
Site Characterization Report and Cleanup Plan

Bethune Middle School

Los Angeles, California

PCB Site ID CATSCA111064

#102-ENV-T42183.01

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PREPARED FOR


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ACRONYMS/ABBREVIATIONS

ASTM	ASTM International
bgs	below ground surface
CDWR	California Department of Water Resources
CFR	Code of Federal Regulations
EPA	United States Environmental Protection Agency
EPB	engineered protective barrier
LAUSD	Los Angeles Unified School District
µg/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
OEHS	Office of Environmental Health & Safety
PCB	polychlorinated biphenyl
PID	photoionization detector
RSLs	Regional Screening Levels
SCAQMD	South Coast Air Quality Management District
TSCA	Toxic Substances Control Act

CERTIFICATION

I hereby certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at Bethune Middle School (PCB Site ID CATSCA111064) are on file and available for inspection by the United States Environmental Protection Agency at the following location:

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Signature: _____

Date: 11/07/23

Name: Anthony Espinoza

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Tetra Tech, Inc.

EXECUTIVE SUMMARY

This Site Characterization Report and Cleanup Plan has been prepared on behalf of the Los Angeles Unified School District for Bethune Middle School (the Site), located at 155 West 69th Street., Los Angeles, California. The eastern portion of the Site was originally developed as Jacob A. Riis High School between 1925 and 1927. The school was expanded to its current size between 1963 and 1965, and the remainder of the permanent buildings were constructed by 1968. Other than the addition or removal of portable classroom buildings, the configuration and use of the Site has been essentially unchanged from 1968 to the present.

Polychlorinated biphenyls (PCBs) were initially identified in soil at concentrations exceeding 50 milligrams per kilogram during soil sampling in a landscaped courtyard area, which was performed to address compliance with South Coast Air Quality Management District Rule 1466 during an Americans with Disabilities Act upgrade project. Subsequent site characterization work has included drilling 103 soil borings, collecting surface soil samples at 33 locations, and analyzing a total of 388 soil samples for PCBs.

Based on the site characterization data, a cleanup plan has been developed for the Site. The cleanup plan includes the following elements:

- Implementing interim engineering controls (fencing and placing a plastic cover over areas of exposed soil) to minimize the potential for exposure to PCB-impacted soil prior to cleanup.
- Excavation and off-site disposal of soils with total PCB concentrations ≥ 50 milligrams per kilogram.
- Excavation of soil underlying the courtyard area to a minimum depth of 2 feet below finished grade, except in three areas where shallower excavation is necessary to protect existing infrastructure.
- Additional excavation of soil to accommodate tree planting holes for the courtyard renovation.
- Verification sampling of the excavation to document PCB concentrations in soil remaining in place.
- Construction of an engineered protective barrier consisting of colored geotextile filter fabric and a minimum of two feet of compacted soil or compacted soil and pavement. The engineered protective barrier will eliminate future contact with PCB-impacted soil remaining in place within the courtyard footprint.
- Implementation of land use controls to ensure that the engineered protective barrier remains intact and to prohibit future residential use of the property.

Los Angeles Unified School District plans to schedule the cleanup for the summer months to minimize potential exposure to students, faculty, and staff. In addition, the courtyard area will need to be renovated immediately after the cleanup has completed. Based on these constraints, the cleanup is currently expected to be performed during the summer of 2024.

1.0 INTRODUCTION

At the request of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), Tetra Tech, Inc. (Tetra Tech) is pleased to provide the following Site Characterization Report and Cleanup Plan for Bethune Middle School (PCB Site ID CATSCA111064), located at 155 West 69th Street., Los Angeles, California (the Site; Figures 1 and 2). This document is the third submittal to EPA.

Field work was performed by Tetra Tech on July 19 through 22, 2021; September 3 through 6, 2021; November 18, 2021; December 16, 2021, December 20, 2021; May 14 and 15, 2022; April 5, 2023; and May 20, 2023.

This Report documents the methodology, results, and conclusions of the assessment, and presents a plan for cleanup of polychlorinated biphenyls (PCBs) at the Site.

1.1 OBJECTIVE

The objectives of work presented in this report are to:

- Present site characterization data for PCBs in soil at the Site.
- Provide a plan for cleanup and disposal of the PCB-impacted soil and other remediation wastes.

1.2 REPORT ORGANIZATION

This report is organized as follows:

- Section 1 – Introduction: summarizes the objectives and organization of this Report.
- Section 2 – Background: provides a brief description of the Site, Site history, and previous investigations.
- Section 3 – Site Characterization: summarizes the field activities, methodology, and results of site characterization activities conducted from July 2021 to May 2023.
- Section 4 – Cleanup Plan Overview: presents an overview of the plan for cleanup of PCB-impacted soil at the Site.
- Section 5 – Implementation Plan: provides a more detailed description of the cleanup plan.
- Section 6 – Land Use Controls: summarizes land use controls to be implanted after the cleanup.
- Section 7 - Contingencies: summarizes contingencies in the event of unforeseen conditions during implementation.
- Section 8 – Schedule: presents a preliminary implementation schedule.
- Section 9 – References: lists references used in preparing this report.

2.0 BACKGROUND

The following subsections provide background information regarding the Site.

2.1 SITE DESCRIPTION

Bethune Middle School is located at 155 West 69th Street, Los Angeles, California 90003. The Site is bounded by West 67th Street to the north, South Broadway to the west, West 69th Street to the south, and South Main Street to the east (Figure 1 and Figure 2). The property consists of one parcel of land (Los Angeles County Assessor's Parcel No. 6012-003-916) with an area of 15.32 acres. It is currently used as a middle school by LAUSD, and is developed with 8 main permanent school buildings, 14 portable classroom buildings, and associated outdoor athletic facilities, landscaped areas, and paved parking areas.

The area of concern for the Site characterization and cleanup plan is the landscaped courtyard area indicated in Figure 2 and shown in more detail in Figure 3. The courtyard area is largely enclosed on three sides by the Shop Building #1 and the Classroom Building. The primary landscape features include two large, raised planters separated by a concrete walkway, four smaller raised planters in the southern portion of the courtyard, and several ground-level planters located around the perimeter of the courtyard. The locations of the planters are shown in Figure 3. Figure 3 also provides topographic information in the form of spot elevations. The two large raised planters are currently planted with grass; the other planters contain trees or shrubbery.

2.2 SITE HISTORY

A Phase I Environmental Site Assessment was performed for the Site in 2019 (EnSafe, 2019). Prior to 1923, the western portion of the Site was developed with residences and small commercial buildings and the eastern portion of the Site was vacant land used for agricultural purposes. The eastern portion of the Site was developed as Jacob A. Riis High School between 1925 and 1927. The residences and commercial buildings on the western portion of the Site, as well as the right-of-way of West 68th Street, were removed between 1963 and 1965 and this area was incorporated into the school for use as athletic facilities. The remainder of the permanent buildings were constructed by 1968. Other than the addition or removal of portable classroom buildings, the configuration and use of the Site has been essentially unchanged from 1968 to the present.

2.3 PREVIOUS SUBSURFACE INVESTIGATION

Soil sampling (Tetra Tech, 2020) was previously conducted at the Site to address compliance with South Coast Air Quality Management District (SCAQMD) Rule 1466 (Control of Particulate Emissions from Soils with Toxic Air Contaminants) during implementation of an Americans with Disabilities Act upgrade project. A complete copy of the report for this investigation is provided in Appendix A. The soil sampling included drilling 15 shallow soil borings to depths of 1 to 3 feet below ground surface (bgs) in areas where soils were to be disturbed during the ADA upgrade project. The soil samples were analyzed for selected metals (arsenic, cadmium, lead, mercury, nickel, and hexavalent chromium), organochlorine pesticides, polycyclic aromatic hydrocarbons, semivolatile organic compounds, polychlorinated biphenyls (PCBs), and asbestos. None of these chemicals were reported at concentrations exceeding their respective screening levels, except for PCBs in the 1-foot samples from borings #10 and #12. Both of these borings are located in a landscaped courtyard

(Figure 2) between Shop Building #1 and the Classroom Building. PCBs were not detected borings #11 and #13, which were also located within the courtyard area.

Fourteen additional soil borings were subsequently drilled to a depth of 1.5 feet in the four cardinal directions around borings #10 and #12 in an effort to assess the lateral and vertical extent of PCBs in soil. The step-out borings did not define the extent of PCBs. The maximum detected total PCB concentrations in the step-out borings were 64,500 microgram per kilogram ($\mu\text{g}/\text{kg}$) and 51,120 $\mu\text{g}/\text{kg}$ in samples collected at depths of 12 and 18 inches, respectively, in boring 10B-E, located approximately 10 feet east of boring #10. These concentrations exceed the 50 milligrams per kilogram (mg/kg) (50,000 $\mu\text{g}/\text{kg}$) threshold specified under the Toxic Substances Control Act (TSCA) for the soil to be considered a bulk PCB remediation waste. The report recommended that further site characterization be conducted in accordance with the TSCA PCB regulations in Title 40 Code of Federal Regulations (40 CFR) §761.

2.4 GEOLOGIC AND HYDROGEOLOGIC SETTING

The following subsections summarize the geologic and hydrogeologic setting of the Site.

2.4.1 Geology

The Site is located within the Downey Plain, a broad area of low relief within the Los Angeles County coastal plain. The Downey Plain is bounded to the north and northeast by the La Brea, Montebello, and Santa Fe Springs Plains and by the Coyote Hills; to the southwest by a series of low hills comprising the Newport-Inglewood structural zone; and extends to the southeast into Orange County. The Downey Plain formed as a result of sediment deposition from the Angeles River, Rio Hondo, and the San Gabriel River. The Quaternary alluvial sediments are underlain by Pleistocene marine and nonmarine deposits of the Lakewood formation (CDWR, 1961)

Soils encountered at the Site include non-native fill (generally a dark grey silty sand locally containing construction debris such as brick or concrete fragments and pieces of metal), and native soils consisting mainly of brown sand or sand with silt.

2.4.2 Hydrogeology

The Site is located within the Central Subbasin of the Coastal Plain of Los Angeles Groundwater Basin (Basin No. 4-11.00; CDWR, 2013). The Central Subbasin is bounded to the north by a surface divide referred to as the La Brea High; to the northeast and east by the Elysian, Repetto, Merced, and Puente Hills, to the southeast by Coyote Creek, a regional drainage boundary; and to the southwest by the Newport Inglewood structural zone. The Central subbasin is subdivided into forebay (recharge) areas along the northern and eastern margins of the basin, and a central pressure area. The Site is located within the pressure area of the basin. Named hydrostratigraphic units underlying the Site include the Bellflower Aquiclude (a regional confining unit), and the Exposition, Gage, Lynwood, Silverado, and Sunnyside Aquifers (CDWR, 1961).

Groundwater was not encountered at the Site in soil borings drilled to a maximum depth of 10 feet bgs. Depth to groundwater at former Mobil Service Station 18KEP, located 875 feet south-southeast of the Site, ranged from 61.88 to 71.08 feet in April 2014 (Cardno ERI, 2014).

3.0 SITE CHARACTERIZATION

Site characterization field work was performed between July 2021 and May 2023, and included the following:

- Drilling and sampling 88 soil borings to a depth of approximately 10 feet bgs.
- Drilling and sampling 15 soil borings to a depth of approximately 5 feet bgs.
- Collecting two shallow soil samples from the interior of the Shop Building.
- Collecting 33 surface soil samples from planters.
- Collecting 2 soil samples from a shallow excavation during repair of a damaged fiber optic internet line.

3.1 FIELD INVESTIGATION OVERVIEW

Initial work in July 2021 consisted of drilling 37 direct-push soil borings to a depth of 10 feet bgs on a 10- by 10-foot grid around previous borings #10 and #12. Soil samples were collected from the borings at depths of 1.0, 3.0, 5.0, 7.5, and 10 feet bgs. The 1.0-, 3.0-, and 5.0-foot samples were submitted to the laboratory for analysis of PCBs; the 7.5- and 10-foot samples were held by the laboratory for potential analysis based on results for 1.0-, 3.0-, and 5.0-foot samples. The locations of the initial soil borings are shown on Figure 4.

After reviewing the results for the initial 37 borings, 34 additional direct-push soil borings were drilled in September 2021 to further characterize the extent of PCB-impacted soils. While these borings were drilled on the same 10- by 10-foot grid used for the initial borings, borings were not drilled at every grid intersection in order to characterize PCB-impacted soil over a larger area. Sampling and analysis protocols were the same as for the initial 37 borings. The locations of the soil borings are shown on Figure 4.

Two additional shallow soil samples (I9 and H9) were collected in the interior of Shop Building 1 in November 2021. These samples were collected from the walls of a shallow trench excavated to conduct a plumbing repair. In addition, two soil samples (F20 and G20) were collected on the eastern and western sidewalls of a shallow excavation made during repair of a damaged fiber optic internet line. The locations of the building interior and fiber optic excavation samples are also shown on Figure 4.

33 surface soil samples were collected in December 2021 to characterize PCB concentrations in soils exposed in landscaping planters. These samples were collected from the planters at depths of 0 to 0.5 feet bgs. The locations of the surface samples are shown in Figure 4.

Based on the above results, 17 additional direct-push soil borings were drilled in May 2022 to further characterize the extent of PCB-impacted soils. Similar to the September 2021 drilling program, these borings were located on the 10- by 10-foot grid used for the initial borings but were not drilled at every grid

intersection in order to characterize PCB-impacted soil over a larger area. Sampling and analysis protocols were the same as for the initial 37 borings. The locations of the soil borings are shown on Figure 4.

Based on discussions with the EPA, 15 additional hand auger soil borings were drilled in April and May 2023. These include 5 borings to define the lateral extent of PCBs along the northwestern edge of the courtyard area, and 10 additional borings placed at selected locations within the courtyard to fill in gaps between previous sampling locations and to characterize soil for disposal purposes. Sampling and analysis protocols were the same as for the initial 37 borings. The locations of the soil borings are shown on Figure 4.

3.2 METHODOLOGY

3.2.1 Utility Clearance

Underground utilities are present throughout the area investigated. Utility clearance consisted of the following:

- Marking the Site for utility clearance by Underground Service Alert of Southern California.
- Performing geophysical surveys of the investigation area using a combination of electromagnetic utility locating instruments and ground penetrating radar. The locations of utilities located by the geophysical survey were marked with paint on the ground surface. The utility surveys were performed by GPRS Inc. of La Crescenta, California under subcontract to Tetra Tech.
- Hand augering all soil borings to a depth of 5 feet bgs.

3.2.2 Sampling Grid Layout

A 10- by 10-foot sampling grid was laid out at the Site by WM Surveys, Inc. of Ventura, California, a California-licensed Professional Land Surveyor. The grid was laid out in a north-south/east-west orientation using survey-grade global positioning system (GPS) instrumentation; individual grid points were marked on the ground using paint on hard surfaces such as concrete or surveyor's brushes on soft surfaces such as grass.

3.2.3 Drilling and Soil Sampling

Soil borings were drilled using a combination of hand auger and direct-push methods (10-foot borings) or using only a hand auger (5-foot borings). Drilling was performed by either Strongarm Environmental Services (Strongarm) of Fullerton, California or Coreprobe International, Inc. (Coreprobe) of San Gabriel, California. Both Strongarm and Coreprobe are California-licensed C-57 drilling contractors. Drilling activities were observed by Tetra Tech geologists or engineers working under the direct supervision of a California-licensed Professional Geologist.

The upper five feet of each borehole was drilled using a hand auger. Soil samples were collected from the hand auger borings at depths of approximately 1.0 and 3.0 feet bgs; a sample was also collected at a depth of 5.0 feet from the 5-foot borings drilled using a hand auger only. The lower five feet of the 10-foot borings was drilled using a direct-push drill rig equipped with a Geoprobe dual-tube sampling system. The dual-tube system consists of a drive shoe attached to a steel drive casing, and polyvinyl chloride sample liners attached

to a string of steel center rods. When assembled, the bottom of the sample liner fits into the drive shoe and is held in place by the center rods. Soil samples are collected by simultaneously advancing the drive casing and sample liner into the subsurface. When the bottom of the sampling interval is reached, the sample liner is retrieved to the surface, leaving the drive casing in place to prevent collapse of the borehole. A new liner is then lowered into the drive casing using the center rods. Additional samples are then collected by repeating the above procedure.

The soil samples were split into aliquots for chemical analysis, field headspace screening, and lithologic logging. Soil samples collected for analysis of PCBs were either placed in laboratory-provided 4-ounce glass jars with Teflon-lined lids or were left in 6-inch sections of the polyvinyl chloride sample liners which were capped with Teflon sheets and plastic caps. The samples were then labeled, placed in plastic ziplock-type bags, and stored in a cooler with ice pending delivery to the laboratory under chain-of-custody procedures.

Field headspace screening was performed by placing a small amount of soil into a labeled plastic bag which was then left in the sun for several minutes. The bag headspace was then screened for the presence of VOCs using a portable photoionization detector (PID). The highest PID reading for each sample was recorded on the boring log.

Soils were described in the field in general accordance with the Unified Soil Classification System (USCS; ASTM International [ASTM] Standard D2487) using the visual-manual procedure (ASTM Standard D2488). Logging was performed by Tetra Tech personnel working under the direct supervision of a California-licensed Professional Geologist.

After soil sampling was completed, the boreholes were abandoned by backfilling with hydrated bentonite and capped at the surface with concrete or soil to match the surrounding surface materials.

3.2.4 Equipment Decontamination

Reusable sampling equipment was decontaminated prior to collecting each sample; drilling equipment was decontaminated prior to drilling each borehole and at the end of each day. Decontamination consisted of scrubbing the equipment with a non-phosphate detergent solution, followed by a potable water rinse, a solvent rinse, and a final rinse with distilled water. The equipment was then allowed to air dry.

3.2.5 Laboratory Analysis

The soil samples were submitted under chain-of-custody protocol to American Environmental Testing Laboratories (AETL), Inc. of Burbank, California, a California State Water Resources Control Board-certified laboratory. The soil samples were extracted using EPA Method SW3540C (Soxhlet extraction) and were analyzed for PCBs using EPA Method SW8082A. All samples were also analyzed for moisture content, and PCB concentrations were reported on a dry-weight basis. Copies of the laboratory reports are provided in Appendix B.

3.2.6 Investigation-Derived Waste

Investigation-derived waste included soil cuttings and water used for equipment decontamination. The wastes were stored in United States Department of Transportation-approved 55-gallon drums. The soil was profiled as non-RCRA hazardous waste with TSCA-regulated PCBs and was disposed at the US Ecology facility in Beatty, Nevada, a licensed hazardous waste landfill. The water was profiled as non-hazardous waste and was disposed at the World Oil Recycling facility in Compton, California. Waste transportation and disposal were managed by Belshire Environmental, Inc. of Foothill Ranch, California. Copies of the waste manifests are provided in Appendix C.

3.2.7 Survey

The coordinates and elevations of all locations sampled prior to 2023 were surveyed by WM Surveys, Inc. under the supervision of a California-licensed Professional Land Surveyor. Horizontal position was provided in California State Plane Coordinates (Zone 5) relative to the North American Datum of 1983; elevations were provided in feet above mean sea level relative to the North American Vertical Datum of 1988. In addition to surveying the soil boring locations, the locations of other physical features such as planters were also surveyed to allow georeferencing of the base drawings. Survey coordinates for the sampling locations are summarized in Table 1; spot elevations are shown on Figure 3. The locations of the 15 5-foot soil borings drilled in 2023 were measured in the field relative to fixed landmarks such as buildings or planters. The coordinates of these borings were determined using geographic information system software and have an estimated accuracy of ± 1 foot.

3.2.8 Field Quality Assurance/Quality Control Sampling

Field quality assurance/quality control sampling included the following:

- Duplicate samples: Duplicate samples were collected at a rate of approximately 10% (one duplicate per 10 normal environmental samples).
- Equipment blanks: One aqueous equipment rinsate blank was collected on each day of field work.

3.3 RESULTS

The following subsections summarize the site characterization results.

3.3.1 Soil Types

Soil types observed during drilling consist of dark grey silty sands (USCS Class SM), which locally contains construction debris such as small brick and concrete fragments, metal fasteners, wire, etc. These soils are interpreted as artificial fill. The fill material is underlain by greyish-brown native soils classified as sand with silt or poorly-graded sand (USCS Classes SP-SM or SP) to a depth of approximately 10 feet bgs, the maximum depth sampled.

3.3.2 Analytical Results

The subsections below summarize the analytical results. For the purpose of comparison, the analytical results are compared with conservative human health-based screening levels appropriate for school sites (i.e., the EPA Regional Screening Levels (RSLs) for residential soil [EPA, 2023]). Due to the presence of multiple Aroclors in the samples, total PCB concentrations (calculated by summing the concentrations of the individual Aroclors) are compared with the RSL for Aroclor 1248, which has the lowest RSL of the Aroclors detected at the Site. This procedure ensures that cumulative risk from all PCBs is less than 10^{-6} . In addition, total PCB concentrations are compared with the threshold of 50 mg/kg for bulk PCB remediation waste, which represents the concentration above which bulk PCB remediation waste must be disposed at a hazardous waste or TSCA-regulated landfill.

3.3.2.1 Subsurface Samples

Analytical results for subsurface soil samples (i.e., samples collected below the ground surface from soil borings or excavations) are summarized in Table 1; copies of the original laboratory reports are provided in Appendix B. Boring locations are shown on Figure 4. The results for individual Aroclors include the following:

- Aroclor 1248 was detected in 145 of the 351 subsurface soil samples (including duplicates). Detected concentrations of Aroclor 1248 range from 0.0201 mg/kg (G1-3) to 93.6 mg/kg (D2-3); 107 samples had concentrations exceeding the residential soil RSL of 0.23 mg/kg.
- Aroclor 1254 was detected in 75 of the 351 subsurface soil samples (including duplicates). Detected concentrations of Aroclor 1254 range from 0.015 J to 6.26 mg/kg; 58 samples had concentrations exceeding the residential soil RSL of 0.24 mg/kg.
- Aroclor 1260 was detected in 11 of the 351 subsurface soil samples (including duplicates). Detected concentrations of Aroclor 1260 range from 0.0216 J to 0.843 mg/kg; 3 samples had concentrations exceeding the residential soil RSL of 0.24 mg/kg.

Total PCB concentrations (Table 1) were calculated by summing the concentrations of the individual Aroclors. General statistics for total PCBs in the subsurface samples are provided in Table 3, and include the following:

- Total PCBs were detected in 148 of the 351 samples analyzed, at concentrations ranging from 0.0201 to 93.6 mg/kg.
- Total PCB concentrations were greater than 0.23 mg/kg, the lowest residential soil RSL for the three detected Aroclors, in 111 of the 351 samples analyzed.
- Total PCB concentrations in three samples (D2-3, E4-1, and F5-1) exceeded 50 mg/kg.

3.3.2.2 Surface Samples

Analytical results for surface soil samples collected from landscape planters and lawn areas are summarized in Table 2; copies of the original laboratory reports are provided in Appendix B. Sample locations are shown on Figure 4. The results include the following:

-
- Aroclor 1016 was detected in one sample at a concentration of 0.734 mg/kg. The detected Aroclor 1016 concentration did not exceed the residential soil RSL of 4.0 mg/kg.
 - Aroclor 1248 was detected in 35 out of 37 surface sample (including duplicates). Detected concentrations of Aroclor 1248 range from 0.0425 mg/kg to 10.2 mg/kg; 24 samples had concentrations exceeding the residential soil RSL of 0.23 mg/kg.
 - Aroclor 1254 was detected in all 37 surface samples (including duplicates). Detected concentrations of Aroclor 1254 range from 0.0252 mg/kg to 3.26 mg/kg; 22 samples had concentrations exceeding the residential soil RSL of 0.23 mg/kg.

Total PCB concentrations (Table 2) were calculated by summing the concentrations of the individual Aroclors. General statistics for total PCBs in the surface samples are provided in Table 3, and include the following:

- Total PCBs were detected in 37 of the 37 samples analyzed, at concentrations ranging from 0.0252 to 13.46 mg/kg.
- 33 of the 37 samples analyzed had total PCB concentrations greater than 0.23 mg/kg, the lowest residential soil RSLs for the three detected Aroclors.
- No samples had total PCB concentrations exceeding 50 mg/kg.

3.4 DISCUSSION OF RESULTS

3.4.1 PCB Source

The general association between the presence of shallow fill soils with the detection of PCBs suggests that PCB-contaminated soil may have inadvertently been used as imported fill at the Site. Because PCBs are present in both exposed soils in raised planters and beneath the existing concrete walkways, it appears likely that the fill was placed during construction of the existing hardscape features.

Historical construction drawings from the LAUSD archives were reviewed to better understand when the PCB-impacted soil may have been imported to the Site. Copies of selected drawings are provided in Appendix D. The drawings from 1927, 1934, and 1966 show that tennis courts were present in the courtyard area from at least 1927 until at least 1966. The 1968 drawing shows the hardscape as currently configured, indicating that the tennis courts were demolished and the existing courtyard features constructed by 1968. It is therefore considered likely that the PCB-impacted fill was imported at the time that the hardscape was constructed in 1968.

3.4.2 Lateral and Vertical Extent of PCBs in Soil

Maximum PCB concentrations at each sampling location are indicated by range (<0.23 mg/kg, ≥0.23 to <50 mg/kg, and ≥50 mg/kg) in Figure 5. Figure 5 shows that the available characterization data define the lateral extent of PCBs in the courtyard area as follows:

- Northern side of courtyard: The extent of PCBs to the north of the courtyard is defined by total PCB concentrations below 0.23 mg/kg in soil borings Y105, A105, C105, E105, and G105.

- Northwestern side of courtyard: The extent of PCBs to the northwest of the courtyard is defined by non-detectable PCB concentrations in soil borings NW1, NW2, NW3, NW4, and NW5.
- Southwestern, southern, and eastern sides of courtyard: The courtyard is bordered to the southwest and south by the Classroom Building, and to the east by Shop Building #1, which are original buildings constructed prior to opening of the school in 1927. These buildings predate the manufacture of PCBs in the United States in 1929 (EPA, 2022), so it is unlikely that the PCBs extend beneath these buildings. This conclusion is verified by the results for Samples H9-1, H9-3, and I9-3 (Table 1), which were collected beneath Shop Building 1 and have non-detectable PCB concentrations. In addition, results for borings W11, W15, W19, W21, X13, and X15, which are located within an arcade constructed at the same time as the Classroom Building, all have non-detectable PCB concentrations. These results are all consistent with PCBs not being present beneath the existing Shop Building #1 and Classroom Building.
- The vertical extent of total PCB concentrations exceeding the RSL and TSCA cleanup criteria is considered to be adequately defined for the purpose of developing a cleanup plan.

3.4.3 Lateral and Vertical Extent of PCBs >50 mg/kg

Figure 5 shows that three soil borings (D2, E4, and F5) form a small, well-defined area with PCB concentrations >50 mg/kg in the east-central area of the courtyard. Figure 5 shows that the area with PCBs >50 mg/kg is defined on all sides by soil borings with PCB concentrations <50 mg/kg. Review of Table 1 shows that the deepest samples in borings D2, E4, and F5 all have non-detectable PCB concentrations, which define the vertical extent of PCBs >50 mg/kg in this area.

4.0 CLEANUP PLAN OVERVIEW

The following sections provide an overview of the proposed plan for management and cleanup of PCBs at the Site.

4.1 INTERIM ENGINEERING CONTROLS

Engineering controls have been implemented at the Site to minimize potential exposure to PCB-impacted surficial soil prior to cleanup. The engineering controls include the following:

- Installing chain link fencing to prevent unauthorized access to the courtyard area.
- Placing a plastic cover over areas where PCB-impacted soil is exposed at the surface to prevent direct contact with contaminated soil and prevent potential particulate emissions.

Starting in April 2023, OEHS has retained an environmental consulting firm to inspect the engineering controls once per month until the cleanup is initiated. A monthly checklist-type inspection report documenting the condition of the interim engineering controls is submitted to LAUSD within one week of each inspection and is signed by a California-licensed Professional Geologist or Civil Engineer. Copies of the inspection reports will be made available to EPA upon request for courtesy review and will be included in the final cleanup report.

These engineering controls are designed to minimize exposure of students, faculty, and staff to the PCB-impacted soil until the soil cleanup is implemented in the summer of 2024.

4.2 CLEANUP APPROACH

The following subsections summarize the approach to be used for the PCB cleanup

4.2.1 Technical Approach

The general approach selected by LAUSD uses excavation and off-site disposal of a majority of the PCB-impacted soil as the primary means of reducing risk to human health. PCBs remaining in place after excavation would then be documented by verification sampling, and an engineered protective barrier (EPB) consisting of a colored geotextile filter fabric, overlain by compacted clean soil or clean soil and concrete pavement, would be constructed to prevent future human contact with residual PCBs-impacted soil remaining at the Site.

The excavation depth targeted by LAUSD was two feet below the finished grade of the renovated courtyard. An analysis was performed to determine which soil samples would remain in place after excavation to this depth. A list of samples which would remain in place based on this analysis is presented in Table 4. The 95% upper confidence limit of the mean (95% UCL) for this dataset was then estimated using ProUCL 5.2, a statistical software package developed by the EPA. The resulting 95% UCL was 0.397 mg/kg (Appendix H), which slightly exceeds the RSL of 0.23 mg/kg but is less than the high-occupancy area cleanup level of 1.0 mg/kg total PCBs cited in 40 CFR §761.61(a)(4)(i)(A). Because the EPB will prevent direct contact and inhalation of PCB-impacted soil, this approach is considered to be protective of human health.

4.2.2 Plan Elements

LAUSD proposes to perform a risk-based PCB cleanup in accordance with 40 CFR §761.61(c). Elements of the proposed cleanup approach include the following:

- Excavation and off-site disposal of soils with total PCB concentrations ≥ 50 mg/kg.
- Excavation of soil underlying the courtyard area to a minimum depth of 2 feet below finished grade. Soil will not be completely excavated in three areas: adjacent to and beneath the HVAC unit adjacent to the Shop Building on the eastern side of the courtyard; adjacent to and beneath the arcade support posts and footings on the western side of the courtyard; and adjacent to and beneath the HVAC scaffolding adjacent to the Classroom building on the western side of the courtyard.
- Excavation of an additional 1.5 to 2.5 feet of soil at tree planting hole locations.
- Verification sampling of the excavation to document PCB concentrations in the soil remaining in place at the Site.
- Construction of an EPB consisting of colored geotextile filter fabric and a minimum of two feet of compacted soil or compacted soil and pavement. The EPB will eliminate future contact with PCB-impacted soil remaining in place within the courtyard footprint.

- Implementation of land use controls to ensure that the EPB remains intact and to prohibit future residential use of the property.

Once the EPB has been constructed, the courtyard area will be renovated and returned to use by the school as an outdoor classroom/gathering area with concrete paving and seatwalls, and landscaping elements including turf, shrubbery, and trees. Plans for the courtyard renovation project are provided in Appendix E.

The benefits of this approach are as follows:

- Excavation and off-site disposal of soils with ≥ 50 mg/kg at the beginning of the cleanup will ensure proper handling and disposal of the soil with the highest PCB concentrations found at the Site.
- Excavating the almost all of the courtyard area to a depth of 2 feet below finished grade will remove the majority of the PCB mass from the Site, reduce the uncertainty inherent in the characterization of potentially inhomogeneous fill soils, and minimize the likelihood of future human exposure to PCBs in shallow soils.
- Performing additional soil excavation in areas where soils at depths greater than 2 feet may be disturbed during landscape construction will further prevent workers from being exposed to PCBs.
- The EPB will prevent students, faculty, staff, and construction workers from coming into direct contact with residual PCB-impacted soil, thus eliminating the primary pathway for PCB exposure and allow normal maintenance activities, including light landscaping work, to be conducted after the cleanup is completed.
- Implementation of land use controls, including a covenant prohibiting future residential use of the Site, will ensure that changes in land use which could result in human exposure will not occur.
- As previously noted, the 95% UCL of the total PCB concentration for samples that would be left in place is 0.397 mg/kg (Appendix H), which slightly exceeds the RSL of 0.23 mg/kg for Aroclor 1248 but is less than the high-occupancy area cleanup level of 1.0 mg/kg total PCBs cited in 40 CFR §761.61(a)(4)(i)(A). Because the EPB will prevent direct contact and inhalation of PCB-impacted soil, this approach is considered to be protective of human health.

5.0 IMPLEMENTATION PLAN

Implementation of the proposed cleanup is described in the following sections.

5.1 PROJECT MANAGEMENT

Two administrative groups within LAUSD will manage the cleanup. The Facilities Services Division (FSD) will be responsible for preparing bid specifications and procuring and managing a General Contractor. The General Contractor (or a designated subcontractor to the General Contractor) will be responsible for implementing the cleanup plan, including permitting, mobilization, construction, decontamination, and disposal activities; and constructing new landscaping in the courtyard area. The OEHS will be responsible for procuring and managing an Oversight Contractor. The Oversight Contractor will be a qualified environmental consulting firm with a master services agreement with LAUSD and will be responsible for oversight of the

cleanup activities performed by the General Contractor, verification sampling, air monitoring during construction, interfacing with the laboratory subcontractor, and reporting.

5.2 PUBLIC PARTICIPATION

In accordance with the standard practice of the Office of the Environmental Health and safety (OEHS) for similar projects, LAUSD will implement public participation activities as described below. Public participation will be facilitated by the District's Community Relations Department, and will include the following:

- Develop mailing lists for faculty and the parents of students at Bethune Middle School, and for other properties within a ¼-mile radius of the Site.
- Establish an information repository for the Site to allow public access to technical reports and other key project information. Final documents, including the cleanup plan, fact sheets, and other materials relevant to the Site will be placed in the information repository and maintained for the duration of the cleanup project.
- Develop a fact sheet for distribution to the mailing lists described above.
- Publish a public notice announcing the availability of the cleanup plan for public review and comment in a major local newspaper(s). The public comment period will last a minimum of 30 days. All comments regarding the cleanup plan will be directed to the LAUSD and/or the EPA.
- Conduct a public meeting to inform the public of the proposed activities and to receive public comments on the Cleanup Plan.

Once the public comment period has ended, LAUSD will consider the comments received and determine whether revisions to the cleanup plan are necessary. If appropriate, LAUSD will revise the cleanup plan on the basis of comments received from the public and submit the revised cleanup plan to EPA for review and approval. If such revision is necessary, LAUSD will also notify the public of any significant changes from the action proposed in the cleanup plan.

5.3 NOTIFICATIONS

EPA is the lead regulatory agency for this cleanup, and at least 30 days prior to the start of cleanup activities, LAUSD will provide written notification of the start of work to the USEPA Region 9 Regional Administrator. The notification will consist of the final version of this document, which includes the following items required by 40 CFR §761.61(a)(3):

- The nature of the contamination, including the types of contaminated materials.
- A summary of the procedures used to sample the contaminated area and a tabular summary of the analytical data.
- The location and extent of the contaminated area, including a drawing showing sample locations.
- A cleanup plan for the Site, including approach, disposal technology, and schedule.
- A written certification indicating where all sampling plans, sample collection procedures, and sample preparation, extraction, and analytical procedures are kept on file.

Once the cleanup has been completed, LAUSD will provide the Director of the California Department of Toxic Substances Control (DTSC) and the Chief of the Los Angeles County Fire Department, Health Hazardous Materials Division with copies of the report documenting completion of the cleanup.

5.4 HEALTH AND SAFETY

Prior to the start of field work, the General Contractor and designated subcontractors, and the Oversight Contractor will prepare Site-specific health and safety plans for the proposed cleanup. The health and safety plans will conform with 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER) standards. At a minimum, all personnel performing intrusive work during the cleanup will be required to have 24- or 40-hour HAZWOPER training, current 8-hour annual refresher training, and to participate in a medical monitoring program.

The health and safety plans will be developed after contractors have been selected by LAUSD and will be provided to EPA for courtesy review at least 30 days prior to the start of cleanup activities.

5.5 STORMWATER MANAGEMENT

Stormwater control measures will be implemented throughout the PCB cleanup and subsequent courtyard renovation. The project will comply with the following regulations and guidance:

- National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Lands Disturbance Activities (Order No. 2009-0009-DWQ; NPDES No. CAS000002, adopted by the State Water Resources Control Board).
- Regulations of the State Water Resources Control Board, the Los Angeles Regional Water Quality Control Board, and local ordinance.
- The California Stormwater Quality Association (CASQA) Stormwater Best Management Practice Handbook for Construction Activity (BMP Handbook), current adopted edition.
- Local stormwater management and erosion control ordinances.

Stormwater controls and best management practices that will be implemented during the projects are described in the project erosion control plan and detail (Sheets C600, C601, and C602 of the civil engineering plans for the courtyard renovation project; Appendix E).

In addition to the standard construction BMPs, all contaminated or potentially contaminated materials generated during this project will be placed directly into roll-off bins, into trucks for immediate transportation to a disposal facility, or will be stockpiled on plastic sheeting and covered with plastic at the end of each day to prevent erosion.

5.6 AIR MONITORING

Air monitoring for particulates will be performed whenever PCB-impacted soils are being disturbed during the cleanup. Air monitoring will be performed in accordance with South Coast Air Quality Management District (SCAQMD) Rule 1466 (Control of Particulate Emissions from Soils with Toxic Air Contaminants) and SCAQMD

Rule 403 (Fugitive Dust). Rule 1466 monitoring will include ambient monitoring of particulate matter less than 10 microns (PM₁₀), dust control measures, notification, signage, and recordkeeping requirements. Air monitoring will include setting up a fixed anemometer at the Site to monitor wind speed and direction for the duration of the project and setting up continuous direct-reading air monitoring instruments with omnidirectional heated inlets and datalogging capability both upwind and downwind of the work area. EPA will be provided with copies of air monitoring records upon request.

A copy of an air monitoring plan will be provided to EPA for review at least 30 days prior to the start of cleanup activities.

5.7 SITE PREPARATION

Site preparation will consist of mobilizing the materials and equipment necessary to perform the cleanup to the Site, conducting preparatory work which does not involve disturbance of the PCB-impacted soil, and setting up exclusion, contamination reduction, and support zones prior to the start of invasive work.

Mobilization will include the following:

- Attaching windscreen material to the chain link perimeter fence in the vicinity of the work area to reduce wind effects in the work area and provide visual screening.
- Attaching signs to the perimeter fence on each side of the school providing contact information regarding the cleanup.
- Moving materials and equipment to the Site.

Preparatory work to be performed prior to disturbance of the PCB-impacted soil will consist of removing the above-ground portion of existing trees and shrubbery within and adjacent to the excavation footprint. Tree and shrubbery removal will consist of cutting off the plants just above the ground surface, followed by processing of the material with a commercial tree chipper. Roots will be left in place for later removal with the impacted soil.

After preparatory work has been completed, an exclusion zone, contamination reduction zone, and support zone will be defined at the Site. The exclusion zone will consist of the courtyard area itself and the area immediately north of the courtyard and will be the area where the cleanup activities are conducted. Removal of gross contamination from construction equipment will be conducted in the exclusion zone. Once the cleanup begins, equipment used in the exclusion zone will require decontamination before final demobilization and use at other locations.

The contamination reduction zone will be the area where decontamination takes place and where personal protective equipment will be donned and doffed. Liners and containment areas will be set up within the contamination reduction zone as necessary to prevent contamination from being spread from the exclusion and contamination reduction zone to the support zone.

The support zone is the uncontaminated area of the Site where hazardous conditions are unlikely to be present. Functions conducted in the support zone will include supervisory, administrative, and recordkeeping activities; interfacing with the community; Site security, eating, sanitary, and first aid facilities; storage of

equipment and supplies; personnel vehicle parking; and sample packaging and shipping. Entry to the controlled areas of the Site will be through the support zone. All Site personnel will be responsible for ensuring that the support zone remains clean throughout the cleanup operations.

The layout of the exclusion zone, contaminant reduction zone, and support zone will be provided to EPA for review at least 30 days prior to the start of cleanup activities.

5.8 SOIL REMOVAL

Soil removal will be performed in three phases: targeted removal of soil with as-found PCB concentrations ≥ 50 mg/kg; removal of soil within the courtyard area to a depth of 2 feet below finished grade; and localized excavation of additional soil to depths of 1.5 or 2.5 feet to accommodate tree planting holes. Residual PCBs remaining after excavation is completed will be left in place.

5.8.1 Removal of Soil with ≥ 50 mg/kg PCBs

Three site characterization soil samples had total PCB concentrations ≥ 50 mg/kg: D2-3 (93.6 mg/kg), E4-1 (50.19 mg/kg), and F5-1 (89.5 mg/kg) (Table 1; Figure 5). These samples were collected in relatively close proximity to one another and will be excavated as shown in Figure 6 (plan view) and Figure 7 (cross-sectional view). The horizontal extent of the excavation shown in Figure 6 extends to the nearest samples with PCB concentrations < 50 mg/kg. The vertical extent of the excavation extends to the first underlying soil sample with PCB concentrations < 50 mg/kg, *i.e.*, to 5.0 feet bgs for sample D2-3, and to 3.0 feet bgs for samples E4-1 and F5-1. Because the excavation extends to existing samples with PCB concentrations < 50 mg/kg, verification sampling will be limited to the small prism of soil underlying the HVAC unit adjacent to Shop Building #1. Verification sampling is described in Section 5.9 below and in the Sampling and Analysis Plan (Appendix F).

Immediately prior to excavation, the concrete or masonry planters and pavement overlying the excavation footprint will be sawcut or broken out and placed directly into roll-off bins fitted with disposable plastic liners and integrated covers. After removal of the overlying concrete, the soil will be excavated using conventional construction equipment such as a backhoe and also placed directly into the roll-off bins. Tree and shrubbery roots within the excavation footprint will be removed with the soil and placed in the roll-off bins. Care will be taken during excavation to avoid dropping contaminated soil onto the exterior of the bins. As each bin is filled to capacity, it will be closed and secured, and then moved to a staging area at the northern end of the exclusion zone pending transportation and off-site disposal. Disposal of the removed materials is described in Section 5.10.

5.8.2 Excavation of Courtyard Area

After soil with PCB concentrations ≥ 50 mg/kg has been removed, the remainder of the courtyard area will be excavated to a minimum depth of 2 feet below finished grade. The limits of the excavation are shown in Figure 8. Excavation will be performed using conventional construction equipment.

Immediately prior to the soil removal, the concrete and masonry pavement and planters overlying the excavation footprint will be broken out and loaded into dump trucks for disposal based on PCB concentration, as described in Section 5.12.2.1. The underlying soil will then be excavated to a depth of two feet (or more) below finished grade and loaded into dump trucks. Tree and shrubbery roots will be removed with the soil at this time and also loaded into the dump trucks. As soon as a truck is filled to capacity, the load will be covered and the soil will be disposed as described in Section 5.12.1.2.

Soil will not be excavated to the full depth of two feet below finished grade in three areas of the courtyard: adjacent to and beneath the HVAC unit adjacent to the Shop Building on the eastern side of the courtyard, adjacent to and beneath the arcade support posts and footings on the western side of the courtyard, and adjacent to and beneath the HVAC scaffolding adjacent to the Classroom building on the western side of the courtyard. All of these structures will be protected in place during the soil excavation. Excavation within two feet of the HVAC unit adjacent to the Shop Building and the arcade support posts will be limited to a depth of one foot. The walls of the existing planter beneath the HVAC scaffolding adjacent to the Classroom building will be left in place, and soil will be removed to the top of the scaffolding footings (approximately 0.5 feet deep). Verification sampling will be performed in these three areas as described in Section 5.9, and the areas surrounding the HVAC unit and arcade support posts will be paved with a minimum of 4.5 inches of concrete, and the area inside the existing planter walls above the scaffolding footings will be backfilled with approximately six inches of concrete during construction of the EPB.

5.8.3 Additional Excavation

Additional excavation will be performed in selected areas of the courtyard to accommodate tree planting holes as part of the courtyard renovation. The locations of these additional excavation areas are shown on Figure 9.

Tree planting holes will have a width equal to 2.5 times the rootball width and a depth equal to the rootball depth plus 6 inches. Two tree sizes are to be planted, with either 36-inch and 48-inch boxes. The planting hole excavations will be approximately 7.5 feet wide by 1.5 feet deep for 36-inch box trees, and 10 feet wide by 2.5 feet deep for 48-inch box trees.

5.9 VERIFICATION SAMPLING

The primary purpose of the verification sampling is to document areas where soil with total PCB concentrations exceeding 0.23 mg/kg was left in place. This information will be used to develop the land use controls, including the land use covenant and OEHS database information, as discussed in Section 6.

Verification sampling will be performed using discrete samples collected from 10- by 10-foot sampling units on the bottom of the excavations or 1- by 10-foot sampling units on the sidewalls of the excavations. One discrete soil sample will be collected from the center of each excavation bottom sampling unit for laboratory analysis, and one discrete soil sample will be collected from the center of each excavation sidewall sampling unit laboratory for analysis. The 10- by 10-foot or 1- by 10-foot sampling units will be laid out using survey-grade GPS equipment and marked in the field using stakes or surveyor's brushes. The layouts to be used for

discrete sample collection and descriptions of the soil sampling and analysis procedures, are provided in the Sampling and Analysis Plan (Appendix F).

5.10 EXCAVATION BACKFILL/EPB CONSTRUCTION

After the courtyard area (with the exceptions noted in Section 5.8.2) has been excavated to a depth of 2 feet below finished grade, the additional tree planting holes have been excavated, and verification sampling has been completed, a high-strength colored geotextile filter fabric will be placed to mark the base of the EPB and prevent mixing between the clean backfill and the underlying soil, which will contain PCBs to some extent. The geotextile will be placed with a minimum 1-foot overlap between adjacent sheets. The geotextile will be selected by the General Contractor; information for geotextiles currently approved by LAUSD for use in school projects is provided in Appendix E.

After the geotextile has been placed, the excavation will be backfilled with imported soil and compacted to 90% of the laboratory maximum dry density, as specified by the geotechnical investigation report for the landscape project (Converse, 2023). Potential sources of imported fill will be tested for PCBs and other hazardous materials at the point of origin in accordance with LAUSD Standard Specification 01 4524, *“Environmental Import/Export Materials Testing”* (Appendix G). This specification provides guidance for sampling and analysis of soils to be imported to LAUSD schools, including sampling frequency and required analyses. For this project, the imported soil will be extracted using EPA Method SW3540C and analyzed for PCBs using EPA Method SW8082A, and results will be reported on a dry weight basis.

Based on the approximate volume of the excavation and assuming 25% swell, it is estimated that roughly 2,700 cubic yards of soil (stockpiled volume) will be imported for backfill. Based on the sampling frequency recommendations in Specification 01 4524, a minimum of 7 to 8 composite samples will be collected to characterize the import source. The standard LAUSD acceptance criterion of nondetectable PCB concentrations will be used for this project; Specification 01 4524 acceptance criteria for other analytes are summarized in Appendix G.

The imported fill will be placed as required by plans for the landscape project, such that the total thickness of the soil or soil/concrete EPB will be at least 2 feet. Where present, the concrete pavement will have a minimum thickness of 4.5 inches, as indicated in the civil engineering plans for the courtyard renovation project (Appendix E).

5.11 DECONTAMINATION

Moveable construction equipment (including roll-off bins and dump truck beds), tools, and reusable sampling equipment will be decontaminated by mechanically removing any adhering soil, followed by swabbing surfaces that may have contacted PCB-impacted soil with one of the performance-based organic decontamination fluids (PODFs) listed in 40 CFR 761.79(c)(3)(iv) (*i.e.*, kerosene, diesel fuel, terpene hydrocarbons, or a mixture of terpene hydrocarbons and terpene alcohols), in accordance with the self-implementing procedure specified in 40 CFR 761.79(c)(2)(i). Confirmatory sampling is not required for these procedures, per 40 CFR §761.79(f)(2). Decontamination will be documented during field work using

photographs or videos; these records will be maintained for a minimum of 3 years after completion of the project.

Decontamination activities will be performed in a manner consistent with 40 CFR §761.79(e); decontamination areas will be lined with plastic sheeting to prevent accidental release of PCBs to the environment, and workers will use personal protective equipment to protect against dermal contact and inhalation of PCBs.

5.12 WASTE DISPOSAL

Off-site disposal is anticipated to be the primary disposal technology to be used for this project. Wastes expected to be generated during Site cleanup include the following:

- Contaminated soils containing PCBs
- Construction debris
- Green waste
- Used personal protective equipment and disposable sampling equipment
- Other solid wastes
- Used PODF

All wastes will be managed and transported in accordance with a Waste Management Plan, which will be submitted to EPA for review at least 30 days prior to the start of the cleanup.

5.12.1 Contaminated Soil

5.12.1.1 Soil Containing ≥ 50 mg/kg PCBs

Soil with as-found total PCB concentrations ≥ 50 mg/kg will be disposed off-Site in accordance with 40 CFR §761.61(a)(5)(i)(B)(2)(iii), *i.e.*, a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or by a State authorized under section 3006 of RCRA; or a or a PCB disposal facility approved under 40 CFR Part 761. If the waste is disposed at a landfill which is not subject to a TSCA PCB Disposal Approval, LAUSD will provide the disposal facility with written notice of the quantity of waste and highest concentration of PCBs found in the waste at least 15 days prior to the first waste shipment, in accordance with 40 CFR §761.61(a)(5)(i)(B)(2)(iv).

5.12.1.2 Soil Containing < 50 mg/kg PCBs

Excavated soil with as-found total PCB concentrations < 50 mg/kg and materials such as roots and turf that are contained in the soil will be disposed off-Site in accordance with 40 CFR §761.61(a)(5)(i)(B)(2)(ii) and §761.61(a)(5)(v)(A), *i.e.*, at a facility permitted, licensed, or registered by a State to manage municipal solid waste subject to 40 CFR Part 258; a facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to 40 CFR §257.5 to 257.30; a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or by a State authorized under section 3006 of RCRA; or a or a PCB disposal facility approved under 40 CFR Part 761.

5.12.2 Construction Debris

5.12.2.1 Construction Debris Associated with Soil Containing ≥ 50 mg/kg PCBs

Construction debris consisting primarily of concrete and masonry pavement generated during excavation of soil with ≥ 50 mg/kg PCBs will be disposed with the soil at a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or by a State authorized under section 3006 of RCRA; or at a PCB disposal facility approved under 40 CFR Part 761. If the waste is disposed at a landfill which is not subject to a TSCA PCB Disposal Approval, LAUSD will provide the disposal facility with written notice of the quantity of waste and highest concentration of PCBs found in the waste at least 15 days prior to the first waste shipment, in accordance with 40 CFR §761.61(a)(5)(i)(B)(2)(iv).

5.12.2.2 Construction Debris Associated with Soil Containing < 50 mg/kg PCBs

Construction debris consisting primarily of concrete and masonry pavement generated during excavation of soil with < 50 mg/kg PCBs will be disposed based on concentration. Any concrete with PCB concentrations ≥ 50 mg/kg PCBs will be disposed with the soil at a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or by a State authorized under section 3006 of RCRA; or at a PCB disposal facility approved under 40 CFR Part 761. Concrete with PCB concentrations < 50 mg/kg will be disposed at a facility permitted, licensed, or registered by a State to manage municipal solid waste subject to 40 CFR Part 258; a facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to 40 CFR §257.5 to 257.30; a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or by a State authorized under section 3006 of RCRA; or a or a PCB disposal facility approved under 40 CFR Part 761.

Prior to the start of field work, concrete samples will be collected in areas overlying soil containing < 50 mg/kg of PCB to determine disposal options. The concrete sampling will be conducted using the EPA *Standard Operating Procedure for Sampling Porous Surface for Polychlorinated Biphenyls*.

5.12.3 Plant Waste

Plant waste is anticipated to include the above-ground portion of trees and shrubbery. This material will be cut into manageable pieces or processed through a chipper and disposed off-Site in accordance with 40 CFR §761.61(a)(5)(i)(B)(2)(ii) and §761.61(a)(5)(v)(A), *i.e.*, at a facility permitted, licensed, or registered by a State to manage municipal solid waste subject to 40 CFR Part 258; a facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to 40 CFR §257.5 to 257.30; a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or by a State authorized under section 3006 of RCRA; or a or a PCB disposal facility approved under 40 CFR Part 761.

Other plant material, including tree roots and turf in intimate contact with PCB-impacted soil, will be disposed of with the surrounding soil as described above in Section 5.12.1. If necessary, large roots may be cut into more manageable pieces during removal.

5.12.4 Used Personal Protective Equipment, Disposable Sampling Equipment, and Non-Liquid Cleaning Materials

Used PPE (gloves, boot covers, Tyvek suits, etc.), disposable sampling equipment (trowels, scoops, etc.), and used cleaning rags will be collected in a dedicated dumpster. These materials will be disposed off-Site in accordance with 40 CFR §761.61(a)(5)(v)(A), *i.e.*, at a facility permitted, licensed, or registered by a State to manage municipal solid waste subject to 40 CFR Part 258; a facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to 40 CFR §257.5 to 257.30; a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or by a State authorized under section 3006 of RCRA; or a or a PCB disposal facility approved under 40 CFR Part 761.

5.12.5 Other Non-Liquid Cleanup Wastes

Other solid cleanup wastes may include items such as plastic liners used for containment in decontamination areas or for stockpiling soil. These materials will be disposed off-Site in accordance with 40 CFR §761.61(a)(5)(v)(A), *i.e.*, at a facility permitted, licensed, or registered by a State to manage municipal solid waste subject to 40 CFR Part 258; a facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to 40 CFR §257.5 to 257.30; a hazardous waste landfill permitted by EPA under Section 3004 of RCRA or by a State authorized under section 3006 of RCRA; or a or a PCB disposal facility approved under 40 CFR Part 761.

5.12.6 Used PODF

PODF used for decontamination of construction and sampling equipment will be collected in a 55-gallon drum pending disposal. One sample of the used PODF will be analyzed using EPA Method SW8082A to determine PCB concentration. The used PODF will be disposed in accordance with 40 CFR §761.79(g)(5), 40 CFR §761.79(g)(3), and 40 CFR §761.60(a) at an incinerator which complies with 40 CFR §761.70.

5.13 REPORTING

When cleanup work is completed, the Oversight Contractor will prepare a report documenting the cleanup, including:

- Narrative describing the cleanup work, sampling and analysis methodology, verification sampling results, and disposal documentation.
- Figures, including drawings showing the final limits of the excavation and verification sample locations.
- Tables summarizing the analytical results.
- Copies of the interim engineering control inspection reports.
- Photographic documentation of field work.
- Copies of laboratory reports.
- Copies of manifests, bills of lading, weight tickets, and other disposal documentation.

A copy of the final report will be kept on file at the OEHS offices for a minimum of five years, as required by 40 CFR §761.125(c)(5).

6.0 LAND USE CONTROLS

Once the cleanup has been completed, land use controls will be implemented for the Site, including a land use covenant which will be filed with the Los Angeles County Recorder's office. The covenant will include the following:

- Notice to future property owners that the Site has been used for disposal of PCBs.
- Information on the presence, type, and extent of the EPB.
- Information on the locations and concentrations of PCBs that were left in place beneath the EPB based on the verification sampling results.
- Prohibitions on breaching the EPB or excavating PCB-impacted soil without consulting with LAUSD and EPA.
- Prohibitions on future residential use of the property.

In addition to the land use covenant, the Site will be entered into an OEHS database developed to document and track residual contamination at LAUSD sites. This database is consulted whenever construction activities involving soil disturbance are performed at LAUSD facilities. Specific requirements for construction work that could result in exposure to PCB-impacted soils beneath the EPB will include notifying EPA, use of HAZWOPER-trained personnel, and direct oversight of construction by OEHS.

Specific language for the land use covenant will be provided to EPA for review and approval prior to recording the covenant.

7.0 CONTINGENCIES

The following subsections address potential contingencies that could be encountered during the cleanup.

7.1.1 Contamination Extending Beneath Existing Buildings

As previously noted, the age of the buildings surrounding the courtyard make it unlikely that PCB-impacted soils extend beneath the Classroom Building and Shop Building #1. If verification samples collected from all three excavation faces around the HVAC unit indicate that contamination could be present beneath the HVAC Unit, the existing concrete pad (which is 7.5 to 8.5 inches thick) will be treated as a EPB to prevent exposure to PCBs.

7.1.2 Underground Utilities within the Excavation Envelope

Numerous underground utility lines underlie the courtyard area, including the main electrical lines feeding the school as well as communication, natural gas, water, irrigation, and storm drain lines. Some of these utilities, such as irrigation piping, are known to be shallow and will be removed and replaced as part of the

cleanup. The other utility lines are thought to be buried at least three feet below finished grade, and it is not anticipated that they would interfere with excavation of the PCB-impacted soil. In the event that electrical or other utilities buried less than 2 feet deep and not scheduled to be relocated or removed are encountered during the cleanup, the soil in the immediate vicinity and beneath the utility line will be hand excavated to a depth of 2 feet. Soil adhering to the pipe will then be mechanically removed, and the pipe surface will be decontaminated using a PODF as described in Section 5.11.

7.1.3 Structural Issues with Adjacent Buildings

The cleanup plan calls for soil to be excavated up to the foundations of the buildings surrounding the courtyard area. However, due to the age of the buildings, it is possible that excavating up to the foundations could undermine the footings and potentially destabilize the structures.

Excavation adjacent to existing buildings will follow the recommendations provided in the geotechnical report for the courtyard renovation project (Converse Consultants, 2023; Appendix I). If potential structural issues are identified during the cleanup, then the geotechnical engineer for the project will be consulted and an alternative construction method, such as “A-B-C” slot cuts or shoring, will be implemented to allow for removal of the soil at the building foundations.

8.0 SCHEDULE

LAUSD plans to schedule the cleanup for the summer months, when school is not in session, to minimize potential exposure to students, faculty, and staff. Construction on school sites in California requires design review and approval by the Division of the State Architect, a relatively time-consuming process. Based on these constraints, the cleanup is currently expected to be performed during the Summer of 2024. The courtyard area will be reconstructed immediately after the cleanup has been completed.

9.0 REFERENCES

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TABLES

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							--	--	--	--	--	--	--	--	--	0.23
10BR	1814592.06	6478301.79	147.86	10BR-1	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	11.0	1.42	<0.020	<0.020	<0.020	12.42
10BR	1814592.06	6478301.79	147.86	10BR-3	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	10.0	<0.020	<0.020	<0.020	<0.020	10.0
10BR	1814592.06	6478301.79	147.86	10BR-5	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A1	1814616.82	6478274.01	148.07	A1-1.0	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	10.4	1.54	<0.020	<0.020	<0.020	11.94
A1	1814616.82	6478274.01	148.07	A1-1.0 Dup	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	16.1	2.52	<0.020	<0.020	<0.020	18.62
A1	1814616.82	6478274.01	148.07	A1-3.0	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	2.37	0.273	<0.020	<0.020	<0.020	2.643
A1	1814616.82	6478274.01	148.07	A1-5.0	5.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A2	1814606.87	6478275.46	148.55	A2-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	6.47	0.81	<0.020	<0.020	<0.020	7.28
A2	1814606.87	6478275.46	148.55	A2-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	20.6	<0.020	<0.020	<0.020	<0.020	20.6
A2	1814606.87	6478275.46	148.55	A2-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.114	<0.020	<0.020	<0.020	<0.020	0.114
A3	1814596.69	6478274.01	147.34	A3-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	12.00	1.52	<0.020	<0.020	<0.020	13.52
A3	1814596.69	6478274.01	147.34	A3-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	1.14	<0.020	<0.020	<0.020	<0.020	1.14
A3	1814596.69	6478274.01	147.34	A3-3.0 Dup	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.442	<0.020	<0.020	<0.020	<0.020	0.442
A3	1814596.69	6478274.01	147.34	A3-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A4	1814589.77	6478274.08	147.3	A4-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	10.1	1.49	<0.020	<0.020	<0.020	11.59
A4	1814589.77	6478274.08	147.3	A4-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A4	1814589.77	6478274.08	147.3	A4-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A5	1814578.48	6478273.38	148.52	A5-1.0	1.0	07/22/21	<0.020	<0.020	<0.020	<0.020	2.87	0.643	<0.020	<0.020	<0.020	3.513
A5	1814578.48	6478273.38	148.52	A5-3.0	3.0	07/22/21	<0.020	<0.020	<0.020	<0.020	5.91	0.853	<0.020	<0.020	<0.020	6.763
A5	1814578.48	6478273.38	148.52	A5-5.0	5.0	07/22/21	<0.020	<0.020	<0.020	<0.020	2.57	0.579	<0.020	<0.020	<0.020	3.149
A5	1814578.48	6478273.38	148.52	A5-5.0 Dup	5.0	07/22/21	<0.020	<0.020	<0.020	<0.020	1.03	0.445	<0.020	<0.020	<0.020	1.475
A5	1814578.48	6478273.38	148.52	A5-7.5	7.5	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A5	1814578.48	6478273.38	148.52	A5-10	10.0	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A7	1814557	6478274	--	A7-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	8.72	<0.020	<0.020	<0.020	<0.020	8.72
A7	1814557	6478274	--	A7-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A7	1814557	6478274	--	A7-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A9	1814537.25	6478274.63	147.66	A9-1.0 Dup	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	1.71	0.781	<0.020	<0.020	<0.020	2.491
A9	1814537.25	6478274.63	147.66	A9-1.0 Dup	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	1.20	0.655	<0.020	<0.020	<0.020	1.855
A9	1814537.25	6478274.63	147.66	A9-3.0	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	0.642	0.120	<0.020	<0.020	<0.020	0.762
A9	1814537.25	6478274.63	147.66	A9-5.0	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A11	1814518.00	6478275.00	--	A11-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	8.69	<0.020	<0.020	<0.020	<0.020	8.69
A11	1814518	6478275	--	A11-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	0.811	<0.020	<0.020	<0.020	<0.020	0.811
A11	1814518	6478275	--	A11-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A11	1814518	6478275	--	A11-05D	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A13	1814518.08	6478275.32	147.61	A13-1.0	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	2.39	1.35	<0.020	<0.020	<0.020	3.74

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
A13	1814518.08	6478275.32	147.61	A13-3.0	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	0.527	0.122	<0.020	<0.020	<0.020	0.649
A13	1814518.08	6478275.32	147.61	A13-5.0	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A17	1814518.08	6478275.47	146.72	A17-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	36.3	<0.020	0.655	<0.020	<0.020	36.955
A17	1814518.08	6478275.47	146.72	A17-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	0.199	<0.020	<0.020	<0.020	<0.020	0.199
A17	1814518.08	6478275.47	146.72	A17-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A100	1814637	6478274	--	A100-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	30.8	<0.020	<0.020	<0.020	<0.020	30.8
A100	1814637	6478274	--	A100-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	0.822	<0.020	<0.020	<0.020	<0.020	0.822
A100	1814637	6478274	--	A100-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	0.042 J	<0.020	<0.020	<0.020	<0.020	0.042
A102	1814659	6478274	--	A102-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	8.00	<0.020	<0.020	<0.020	<0.020	8.00
A102	1814659	6478274	--	A102-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	0.0409 J	<0.020	<0.020	<0.020	<0.020	0.0409
A102	1814659	6478274	--	A102-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.20
A105	1814686.80	6478273.17	147.14	A105-1.0	1.0	05/15/22	<0.020	<0.020	<0.020	<0.020	0.116	<0.020	0.0391 J	<0.020	<0.020	0.1551
A105	1814686.80	6478273.17	147.14	A105-3.0	3.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
A105	1814686.80	6478273.17	147.14	A105-5.0	5.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
B1	1814617.16	6478283.51	148.19	B1-1.0	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	14.4	<0.020	<0.020	<0.020	<0.020	14.4
B1	1814617.16	6478283.51	148.19	B1-3.0	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	0.271	<0.020	<0.020	<0.020	<0.020	0.271
B1	1814617.16	6478283.51	148.19	B1-5.0	5.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
B2	1814606.48	6478283.88	148.34	B2-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	3.25	0.444	<0.020	<0.020	<0.020	3.694
B2	1814606.48	6478283.88	148.34	B2-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.536	0.082	<0.020	<0.020	<0.020	0.618
B2	1814606.48	6478283.88	148.34	B2-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
B3	1814597.02	6478284.06	147.91	B3-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	12.7	1.60	<0.020	<0.020	<0.020	14.3
B3	1814597.02	6478284.06	147.91	B3-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0583	<0.020	<0.020	<0.020	<0.020	0.0583
B3	1814597.02	6478284.06	147.91	B3-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0384	<0.020	<0.020	<0.020	<0.020	0.0384
B4	1814584.94	6478284.53	148.13	B4-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	5.67	1.13	<0.020	<0.020	<0.020	6.8
B4	1814584.94	6478284.53	148.13	B4-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	0.0267	<0.020	<0.020	<0.020	<0.020	0.0267
B4	1814584.94	6478284.53	148.13	B4-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
B5	1814577.03	6478284.26	148.28	B5-1.0	1.0	07/22/21	<0.020	<0.020	<0.020	<0.020	7.96	1.47	<0.020	<0.020	<0.020	9.43
B5	1814577.03	6478284.26	148.28	B5-3.0	3.0	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
B5	1814577.03	6478284.26	148.28	B5-5.0	5.0	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C1	1814617.02	6478293.36	148.39	C1-1.0	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	1.97	0.378	<0.020	<0.020	<0.020	2.348
C1	1814617.02	6478293.36	148.39	C1-3.0	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C1	1814617.02	6478293.36	148.39	C1-5.0	5.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C2	1814607.39	6478293.63	148.35	C2-1.0	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	4.71	0.987	<0.020	<0.020	<0.020	5.697
C2	1814607.39	6478293.63	148.35	C2-3.0	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	6.61	<0.020	<0.020	<0.020	<0.020	6.61

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Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
C2	1814607.39	6478293.63	148.35	C2-5.0	5.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C3	1814596.94	6478294.03	147.97	C3-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	24.0	<0.020	<0.020	<0.020	<0.020	24.0
C3	1814596.94	6478294.03	147.97	C3-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C3	1814596.94	6478294.03	147.97	C3-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0301	<0.020	<0.020	<0.020	<0.020	0.0301
C3	1814596.94	6478294.03	147.97	C3-5 Dup	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0229	<0.020	<0.020	<0.020	<0.020	0.0229
C4	1814585.22	6478295.08	147.99	C4-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	5.46	1.09	<0.020	<0.020	<0.020	6.55
C4	1814585.22	6478295.08	147.99	C4-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	0.131	0.0203	<0.020	<0.020	<0.020	0.1513
C4	1814585.22	6478295.08	147.99	C4-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C5	1814575.23	6478292.47	148.25	C5-1.0	1.0	07/22/21	<0.020	<0.020	<0.020	<0.020	4.93	1.30	<0.020	<0.020	<0.020	6.23
C5	1814575.23	6478292.47	148.25	C5-3.0	3.0	07/22/21	<0.020	<0.020	<0.020	<0.020	4.01	0.693	<0.020	<0.020	<0.020	4.703
C5	1814575.23	6478292.47	148.25	C5-5.0	5.0	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C5	1814575.23	6478292.47	148.25	C5-5.0 Dup	5.0	07/22/21	<0.020	<0.020	<0.020	<0.020	0.278	<0.020	<0.020	<0.020	<0.020	0.278
C5	1814575.23	6478292.47	148.25	C5-7.5	7.5	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C5	1814575.23	6478292.47	148.25	C5-10	10.0	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C7	1814557.06	6478294.53	148.11	C7-1.0	1.0	09/03/21	<0.020	<0.020	<0.020	<0.020	5.37	1.93	<0.020	<0.020	<0.020	7.3
C7	1814557.06	6478294.53	148.11	C7-1.0 Dup	1.0	09/03/21	<0.020	<0.020	<0.020	<0.020	4.30	1.18	<0.020	<0.020	<0.020	5.48
C7	1814557.06	6478294.53	148.11	C7-3.0	3.0	09/03/21	<0.020	<0.020	<0.020	<0.020	0.214	0.049	<0.020	<0.020	<0.020	0.263
C7	1814557.06	6478294.53	148.11	C7-5.0	5.0	09/03/21	<0.020	<0.020	<0.020	<0.020	0.090	0.0183	<0.020	<0.020	<0.020	0.1083
C11	1814517.16	6478295.46	147.79	C11-1.0	1.0	09/03/21	<0.020	<0.020	<0.020	<0.020	5.52	2.03	<0.020	<0.020	<0.020	7.55
C11	1814517.16	6478295.46	147.79	C11-3.0	3.0	09/03/21	<0.020	<0.020	<0.020	<0.020	0.0524	<0.020	<0.020	<0.020	<0.020	0.0524
C11	1814517.16	6478295.46	147.79	C11-5.0	5.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C13	1814497	6478296	--	C13-01	1.0	05/20/23	<0.10	<0.10	<0.10	<0.10	5.57	<0.10	<0.10	<0.10	<0.10	5.57
C13	1814497	6478296	--	C13-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C13	1814497	6478296	--	C13-05	5.0	05/20/23	<0.040	<0.040	<0.040	<0.040	2.46	<0.040	<0.040	<0.040	<0.040	2.46
C15	1814474.27	6478296.78	146.88	C15-1.0	1.0	09/03/21	<0.020	<0.020	<0.020	<0.020	0.107	0.0237	<0.020	<0.020	<0.020	0.1307
C15	1814474.27	6478296.78	146.88	C15-3.0	3.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C15	1814474.27	6478296.78	146.88	C15-3.0 Dup	3.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C15	1814474.27	6478296.78	146.88	C15-5.0	5.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C17	1814456.93	6478295.85	146.55	C17-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	2.40	<0.020	0.104	<0.020	<0.020	2.504
C17	1814456.93	6478295.85	146.55	C17-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	0.760	<0.020	0.0637	<0.020	<0.020	0.8237
C17	1814456.93	6478295.85	146.55	C17-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C17	1814456.93	6478295.85	146.55	C17-5.0 Dup	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C19	1814435.73	6478297.08	146.72	C19-1.0	1.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C19	1814435.73	6478297.08	146.72	C19-3.0	3.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
C19	1814435.73	6478297.08	146.72	C19-5.0	5.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C21	1814415.73	6478297.52	146.55	C21-1.0	1.0	09/03/21	<0.020	<0.020	<0.020	<0.020	0.151	0.061	<0.020	<0.020	<0.020	0.212
C21	1814415.73	6478297.52	146.55	C21-3.0	3.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C21	1814415.73	6478297.52	146.55	C21-5.0	5.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C21	1814415.73	6478297.52	146.55	C21-5.0 Dup	5.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C100	1814636.92	6478292.47	148.36	C100-1.0	1.0	09/03/21	<0.020	<0.020	<0.020	<0.020	5.78	1.76	<0.020	<0.020	<0.020	7.54
C100	1814636.92	6478292.47	148.36	C100-3.0	3.0	09/03/21	<0.020	<0.020	<0.020	<0.020	1.98	0.402	<0.020	<0.020	<0.020	2.382
C100	1814636.92	6478292.47	148.36	C100-5.0	5.0	09/03/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C103	1814667.55	6478293.16	147.19	C103-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	0.818	0.255	<0.020	<0.020	<0.020	1.073
C103	1814667.55	6478293.16	147.19	C103-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C103	1814667.55	6478293.16	147.19	C103-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C105	1814687.14	6478293.15	146.92	C105-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C105	1814687.14	6478293.15	146.92	C105-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
C105	1814687.14	6478293.15	146.92	C105-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
D1	1814616.82	6478303.78	148.39	D1-1.0	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	4.89	0.995	<0.020	<0.020	<0.020	5.885
D1	1814616.82	6478303.78	148.39	D1-3.0	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	13.0	1.69	<0.020	<0.020	<0.020	14.69
D1	1814616.82	6478303.78	148.39	D1-3.0 Dup	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	13.8	<0.020	<0.020	<0.020	<0.020	13.8
D1	1814616.82	6478303.78	148.39	D1-5.0	5.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
D2	1814607.38	6478304.38	148.10	D2-1.0	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	3.63	0.581	<0.020	<0.020	<0.020	4.211
D2	1814607.38	6478304.38	148.10	D2-3.0	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	93.6	<0.020	<0.020	<0.020	<0.020	93.6
D2	1814607.38	6478304.38	148.10	D2-5.0	5.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
D3	1814597.05	6478304.09	147.91	D3-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	8.18	<0.020	<0.020	<0.020	<0.020	8.18
D3	1814597.05	6478304.09	147.91	D3-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.021	<0.020	<0.020	<0.020	<0.020	0.021
D3	1814597.05	6478304.09	147.91	D3-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
D4	1814584.60	6478304.31	147.71	D4-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	22.4	2.56	<0.020	<0.020	<0.020	24.96
D4	1814584.60	6478304.31	147.71	D4-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	0.828	<0.020	<0.020	<0.020	<0.020	0.828
D4	1814584.60	6478304.31	147.71	D4-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
D5	1814576.91	6478304.85	148.03	D5-1.0	1.0	07/22/21	<0.020	<0.020	<0.020	<0.020	5.95	1.24	<0.020	<0.020	<0.020	7.19
D5	1814576.91	6478304.85	148.03	D5-3.0	3.0	07/22/21	<0.020	<0.020	<0.020	<0.020	0.550	<0.020	<0.020	<0.020	<0.020	0.55
D5	1814576.91	6478304.85	148.03	D5-5.0	5.0	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E1	1814617.36	6478313.11	147.96	E1-1.0	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	4.59	1.11	<0.020	<0.020	<0.020	5.7
E1	1814617.36	6478313.11	147.96	E1-1.0 Dup	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	4.31	<0.020	<0.020	<0.020	<0.020	4.31
E1	1814617.36	6478313.11	147.96	E1-3.0	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	0.994	<0.020	<0.020	<0.020	<0.020	0.994
E1	1814617.36	6478313.11	147.96	E1-5.0	5.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
E2	1814609.95	6478313.56	148.58	E2-1.0	1.0	07/19/21	<0.020	<0.020	<0.020	<0.020	4.92	1.06	<0.020	<0.020	<0.020	5.98
E2	1814609.95	6478313.56	148.58	E2-3.0	3.0	07/19/21	<0.020	<0.020	<0.020	<0.020	9.69	1.82	<0.020	<0.020	<0.020	11.51
E2	1814609.95	6478313.56	148.58	E2-5.0	5.0	07/19/21	<0.020	<0.020	<0.020	<0.020	0.271	<0.020	<0.020	<0.020	<0.020	0.271
E2	1814609.95	6478313.56	148.58	E2-7.5	7.5	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E2	1814609.95	6478313.56	148.58	E2-10	10.0	07/19/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E3	1814597.22	6478314.17	147.25	E3-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	12.5	1.73	<0.020	<0.020	<0.020	14.23
E3	1814597.22	6478314.17	147.25	E3-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0289	<0.020	<0.020	<0.020	<0.020	0.0289
E3	1814597.22	6478314.17	147.25	E3-3.0 Dup	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0399	<0.020	<0.020	<0.020	<0.020	0.0399
E3	1814597.22	6478314.17	147.25	E3-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E4	1814590.07	6478313.92	147.18	E4-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	45.3	4.89	<0.020	<0.020	<0.020	50.19
E4	1814590.07	6478313.92	147.18	E4-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E4	1814590.07	6478313.92	147.18	E4-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E5	1814578.91	6478311.26	148.38	E5-1.0	1.0	07/22/21	<0.020	<0.020	<0.020	<0.020	8.74	1.65	<0.020	<0.020	<0.020	10.39
E5	1814578.91	6478311.26	148.38	E5-3.0	3.0	07/22/21	<0.020	<0.020	<0.020	<0.020	5.42	1.02	<0.020	<0.020	<0.020	6.44
E5	1814578.91	6478311.26	148.38	E5-5.0	5.0	07/22/21	<0.020	<0.020	<0.020	<0.020	11.7	1.94	<0.020	<0.020	<0.020	13.64
E5	1814578.91	6478311.26	148.38	E5-5.0 Dup	5.0	07/22/21	<0.020	<0.020	<0.020	<0.020	8.65	1.62	<0.020	<0.020	<0.020	10.27
E5	1814578.91	6478311.26	148.38	E5-7.5	7.5	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E5	1814578.91	6478311.26	148.38	E5-10	10.0	07/22/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E6	1814567	6478311	--	E6-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	4.5	<0.020	<0.020	<0.020	<0.020	4.5
E6	1814567	6478311	--	E6-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E6	1814567	6478311	--	E6-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E9	1814537.02	6478310.04	147.75	E9-1.0	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	12.3	6.26	<0.020	<0.020	<0.020	18.56
E9	1814537.02	6478310.04	147.75	E9-3.0	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	0.247	0.0391	<0.020	<0.020	<0.020	0.2861
E9	1814537.02	6478310.04	147.75	E9-3.0 Dup	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E9	1814537.02	6478310.04	147.75	E9-5.0	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E13	1814497.23	6478310.98	147.74	E13-1.0	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	2.59	1.22	<0.020	<0.020	<0.020	3.81
E13	1814497.23	6478310.98	147.74	E13-3.0	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E13	1814497.23	6478310.98	147.74	E13-5.0	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E17	1814457.40	6478312.83	146.81	E17-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	42.2	<0.020	0.843	<0.020	<0.020	43.043
E17	1814457.40	6478312.83	146.81	E17-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E17	1814457.40	6478312.83	146.81	E17-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E100	1814637	6478312	--	E100-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	3.65	<0.020	<0.020	<0.020	<0.020	3.65
E100	1814637	6478312	--	E100-03	2.0	05/20/23	<0.020	<0.020	<0.020	<0.020	1.19	<0.020	<0.020	<0.020	<0.020	1.19
E100	1814637	6478312	--	E100-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
E102	1814657	6478312	--	E102-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	6.18	<0.020	<0.020	<0.020	<0.020	6.18
E102	1814657	6478312	--	E102-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	0.0468 J	<0.020	<0.020	<0.020	<0.020	0.0468
E102	1814657	6478312	--	E102-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E102	1814657	6478312	--	E102-05D	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E105	1814687.25	6478311.33	146.81	E105-1.0	1.0	05/15/22	<0.020	<0.020	<0.020	<0.020	0.124	<0.020	<0.020	<0.020	<0.020	0.124
E105	1814687.25	6478311.33	146.81	E105-3.0	3.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
E105	1814687.25	6478311.33	146.81	E105-5.5	5.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F1	1814617.16	6478322.88	147.07	F1-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	1.68	0.232	<0.020	<0.020	<0.020	1.912
F1	1814617.16	6478322.88	147.07	F1-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	1.05	<0.020	<0.020	<0.020	<0.020	1.05
F1	1814617.16	6478322.88	147.07	F1-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F2	1814607.22	6478322.56	147.03	F2-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	3.31	0.551	<0.020	<0.020	<0.020	3.861
F2	1814607.22	6478322.56	147.03	F2-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0385	<0.020	<0.020	<0.020	<0.020	0.0385
F2	1814607.22	6478322.56	147.03	F2-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F3	1814597.04	6478322.45	146.92	F3-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	2.01	0.285	<0.020	<0.020	<0.020	2.295
F3	1814597.04	6478322.45	146.92	F3-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F3	1814597.04	6478322.45	146.92	F3-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F4	1814587.28	6478322.61	146.84	F4-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.199	0.0395	<0.020	<0.020	<0.020	0.2385
F4	1814587.28	6478322.61	146.84	F4-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0443	<0.020	<0.020	<0.020	<0.020	0.0443
F4	1814587.28	6478322.61	146.84	F4-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F5	1814577.20	6478322.88	146.73	F5-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	89.5	<0.020	<0.020	<0.020	<0.020	89.5
F5	1814577.20	6478322.88	146.73	F5-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F5	1814577.20	6478322.88	146.73	F5-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F6	1814567	6478324	--	F6-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	2.84	<0.020	<0.020	<0.020	<0.020	2.84
F6	1814567	6478324	--	F6-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F6	1814567	6478324	--	F6-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F7	1814558	6478324	--	F7-01	1.0	05/20/23	<0.020	<0.020	<0.020	<0.020	1.11	<0.020	<0.020	<0.020	<0.020	1.11
F7	1814558	6478324	--	F7-03	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F7	1814558	6478324	--	F7-03D	3.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F7	1814558	6478324	--	F7-05	5.0	05/20/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F9	1814547.90	6478325.90	146.86	F9-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	0.454	<0.020	<0.020	<0.020	<0.020	0.454
F9	1814547.90	6478325.90	146.86	F9-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	0.173	<0.020	<0.020	<0.020	<0.020	0.173
F9	1814547.90	6478325.90	146.86	F9-3.0-Dup	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	0.174	<0.020	<0.020	<0.020	<0.020	0.174
F9	1814547.90	6478325.90	146.86	F9-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F11	1814518.82	6478325.78	146.56	F11-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	1.92	<0.020	0.0767	<0.020	<0.020	1.9967

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
F11	1814518.82	6478325.78	146.56	F11-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	0.760	<0.020	<0.020	<0.020	0.76
F11	1814518.82	6478325.78	146.56	F11-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	0.034	<0.020	<0.020	<0.020	0.034
F13	1814496.17	6478326.13	146.51	F13-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	0.233	<0.020	<0.020	<0.020	<0.020	0.233
F13	1814496.17	6478326.13	146.51	F13-1.0-Dup	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F13	1814496.17	6478326.13	146.51	F13-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F13	1814496.17	6478326.13	146.51	F13-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F16	1814465.52	6478325.45	146.79	F16-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	8.05	<0.020	0.258	<0.020	<0.020	8.308
F16	1814465.52	6478325.45	146.79	F16-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F16	1814465.52	6478325.45	146.79	F16-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F20	--	--	--	F20-2.5(W)	2.5	12/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F101	1814647.42	6478323.21	147.09	F101-1.0	1.0	05/15/22	<0.020	<0.020	<0.020	<0.020	1.62	<0.020	0.096	<0.020	<0.020	1.716
F101	1814647.42	6478323.21	147.09	F101-3.0	3.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F101	1814647.42	6478323.21	147.09	F101-5.0	5.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F103	1814667.31	6478323.15	146.97	F103-1.0	1.0	05/15/22	<0.020	<0.020	<0.020	<0.020	1.70	<0.020	0.0663	<0.020	<0.020	1.7663
F103	1814667.31	6478323.15	146.97	F103-3.0	3.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
F103	1814667.31	6478323.15	146.97	F103-5.0	5.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G1	1814617.42	6478333.90	146.93	G1-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	6.53	1.11	<0.020	<0.020	<0.020	7.64
G1	1814617.42	6478333.90	146.93	G1-1 Dup	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	4.26	0.736	<0.020	<0.020	<0.020	4.996
G1	1814617.42	6478333.90	146.93	G1-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	0.0201	<0.020	<0.020	<0.020	<0.020	0.0201
G1	1814617.42	6478333.90	146.93	G1-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G2	1814607.38	6478333.95	146.91	G2-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	9.24	2.53	<0.020	<0.020	<0.020	11.77
G2	1814607.38	6478333.95	146.91	G2-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	0.091	<0.020	<0.020	<0.020	<0.020	0.091
G2	1814607.38	6478333.95	146.91	G2-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G3	1814597.37	6478333.98	146.88	G3-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	3.68	0.746	<0.020	<0.020	<0.020	4.426
G3	1814597.37	6478333.98	146.88	G3-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	0.0465	<0.020	<0.020	<0.020	<0.020	0.0465
G3	1814597.37	6478333.98	146.88	G3-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	0.0229	<0.020	<0.020	<0.020	<0.020	0.0229
G3	1814597.37	6478333.98	146.88	G3-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	0.0324	<0.020	<0.020	<0.020	<0.020	0.0324
G4	1814593.73	6478333.99	146.88	G4-1.0	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	7.47	1.12	<0.020	<0.020	<0.020	8.59
G4	1814593.73	6478333.99	146.88	G4-3.0	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G4	1814593.73	6478333.99	146.88	G4-5.0	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G5	1814577.45	6478334.27	146.69	G5-1.0	1.0	07/20/21	<0.020	<0.020	<0.020	<0.020	4.65	0.514	<0.020	<0.020	<0.020	5.164
G5	1814577.45	6478334.27	146.69	G5-3.0	3.0	07/20/21	<0.020	<0.020	<0.020	<0.020	0.0258	<0.020	<0.020	<0.020	<0.020	0.0258
G5	1814577.45	6478334.27	146.69	G5-5.0	5.0	07/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G7	1814557.28	6478334.29	147.09	G7-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
G7	1814557.28	6478334.29	147.09	G7-1.0 Dup	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	1.35	0.608	<0.020	<0.020	<0.020	1.958
G7	1814557.28	6478334.29	147.09	G7-3.0	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G7	1814557.28	6478334.29	147.09	G7-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G11	1814517.26	6478334.01	146.67	G11-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G11	1814517.26	6478334.01	146.67	G11-3.0	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G11	1814517.26	6478334.01	146.67	G11-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G15	1814477.56	6478334.77	146.92	G15-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	0.0828	0.0226	<0.020	<0.020	<0.020	0.1054
G15	1814477.56	6478334.77	146.92	G15-3.0	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G15	1814477.56	6478334.77	146.92	G15-3.0 Dup	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G15	1814477.56	6478334.77	146.92	G15-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G18	1814447.43	6478334.81	146.69	G18-1	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G18	1814438.37	6478335.08	146.6	G18-3	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G18	1814438.37	6478335.08	146.6	G18-5	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G18	1814438.37	6478335.08	146.6	G18-5 Dup	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G20	--	--	--	G20-2.5(E)	2.5	12/20/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G21	1814417.34	6478335.08	146.35	G21-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G21	1814417.34	6478335.08	146.35	G21-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G100	1814637.26	6478333.86	147.09	G100-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	0.235	0.106	<0.020	<0.020	<0.020	0.341
G100	1814637.26	6478333.86	147.09	G100-3.0	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	0.0951	0.0297	<0.020	<0.020	<0.020	0.1248
G100	1814637.26	6478333.86	147.09	G100-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G103	1814667.28	6478333.66	146.88	G103-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G103	1814667.28	6478333.66	146.88	G103-3.0	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G103	1814667.28	6478333.66	146.88	G103-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G105	1814687.42	6478333.54	146.63	G105-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G105	1814687.42	6478333.54	146.63	G105-3.0	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
G105	1814687.42	6478333.54	146.63	G105-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
H2/3	1814602.45	6478338.72	146.99	H2/3-1	1.0	07/21/21	<0.020	<0.020	<0.020	<0.020	7.16	0.882	<0.020	<0.020	<0.020	8.042
H2/3	1814602.45	6478338.72	146.99	H2/3-3	3.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
H2/3	1814602.45	6478338.72	146.99	H2/3-5	5.0	07/21/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
H9	--	--	--	H9-1.0	1.0	11/18/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
H9	--	--	--	H9-3.0	3.0	11/18/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
I9	--	--	--	I9-3	3.0	11/18/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
I9	--	--	--	I9-DUP	3.0	11/18/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-1	1814585	6478243	--	NW-1-1	1.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
NW-1	1814585	6478243	--	NW-1-3	3.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-1	1814585	6478243	--	NW-1-5	5.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-1	1814585	6478243	--	NW-1-5D	5.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-2	1814606	6478242	--	NW-2-1	1.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-2	1814606	6478242	--	NW-2-3	3.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-2	1814606	6478242	--	NW-2-3D	3.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-2	1814606	6478242	--	NW-2-5	5.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-3	1814634	6478243	--	NW-3-1	1.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-3	1814634	6478243	--	NW-3-3	3.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-3	1814634	6478243	--	NW-3-5	5.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-4	1814654	6478243	--	NW-4-1	1.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-4	1814654	6478243	--	NW-4-3	3.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-4	1814654	6478243	--	NW-4-5	5.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-5	1814676	6478243	--	NW-5-1	1.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-5	1814676	6478243	--	NW-5-3	3.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
NW-5	1814676	6478243	--	NW-5-5	5.0	04/05/23	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W11	1814516.83	6478236.94	147.18	W11-1	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W11	1814516.83	6478236.94	147.18	W11-3	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W11	1814516.83	6478236.94	147.18	W11-5	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W15	1814476.04	6478234.75	147.18	W15-1	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W15	1814476.04	6478234.75	147.18	W15-3	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W15	1814476.04	6478234.75	147.18	W15-5	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W19	1814436.13	6478234.81	147.11	W19-1	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W19	1814436.13	6478234.81	147.11	W19-3	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W19	1814436.13	6478234.81	147.11	W19-5	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W21	1814416.36	6478235.83	147.1	W21-1	1.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W21	1814416.36	6478235.83	147.1	W21-3	3.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
W21	1814416.36	6478235.83	147.1	W21-5	5.0	09/06/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X13	1814496.51	6478245.19	146.97	X13-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X13	1814496.51	6478245.19	146.97	X13-1.0-Dup	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X13	1814496.51	6478245.19	146.97	X13-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X13	1814496.51	6478245.19	146.97	X13-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X15	1814476.47	6478244.99	147.05	X15-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X15	1814476.47	6478244.99	147.05	X15-3.0	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							-	-	-	-	-	-	-	-	-	0.23
X15	1814476.47	6478244.99	147.05	X15-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X19	1814436.94	6478248.03	146.87	X19-1.0	1.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X19	1814436.94	6478248.03	146.87	X19-3.0	3.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
X19	1814436.94	6478248.03	146.87	X19-5.0	5.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y3	1814595.50	6478252.87	146.53	Y3-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	0.115	<0.020	<0.020	<0.020	<0.020	0.115
Y3	1814595.50	6478252.87	146.53	Y3-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y3	1814595.50	6478252.87	146.53	Y3-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y7	1814556.48	6478253.38	146.26	Y7-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	0.0959	0.0802	<0.020	<0.020	<0.020	0.1761
Y7	1814556.48	6478253.38	146.26	Y7-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y7	1814556.48	6478253.38	146.26	Y7-3.0 Dup	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y7	1814556.48	6478253.38	146.26	Y7-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y11	1814517.30	6478253.36	146.71	Y11-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y11	1814517.30	6478253.36	146.71	Y11-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y11	1814517.30	6478253.36	146.71	Y11-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y15	1814476.63	6478255.29	146.91	Y15-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	18.1	4.35	<0.020	<0.020	<0.020	22.45
Y15	1814476.63	6478255.29	146.91	Y15-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y15	1814476.63	6478255.29	146.91	Y15-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y17	1814456.57	6478255.46	146.8	Y17-1.0	1.0	05/14/22	<0.020	<0.020	<0.020	<0.020	1.73	<0.020	0.164	<0.020	<0.020	1.894
Y17	1814456.57	6478255.46	146.8	Y17-3.0-Dup	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y17	1814456.57	6478255.46	146.8	Y17-3.0-Dup	3.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y17	1814456.57	6478255.46	146.8	Y17-5.0	5.0	05/14/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y18	1814446.57	6478255.40	146.65	Y18-1.0	1.0	05/15/22	<0.020	<0.020	<0.020	<0.020	0.243	<0.020	<0.020	<0.020	<0.020	0.243
Y18	1814446.57	6478255.40	146.65	Y18-3.0	3.0	05/15/22	<0.020	<0.020	<0.020	<0.020	0.0447 J	<0.020	<0.020	<0.020	<0.020	0.0447
Y18	1814446.57	6478255.40	146.65	Y18-5.0	5.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y19	1814436.63	6478255.51	146.61	Y19-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y19	1814436.63	6478255.51	146.61	Y19-1.0 Dup	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y19	1814436.63	6478255.51	146.61	Y19-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y19	1814436.63	6478255.51	146.61	Y19-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y20	1814426.72	6478255.43	146.89	Y20-1.0	1.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	0.291	0.0216 J	<0.020	<0.020	0.3126
Y20	1814426.72	6478255.43	146.89	Y20-3.0	3.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y20	1814426.72	6478255.43	146.89	Y20-5.0	5.0	05/15/22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y21	1814416.64	6478255.79	146.93	Y21-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y21	1814416.64	6478255.79	146.93	Y21-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y21	1814416.64	6478255.79	146.93	Y21-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Table 1
Summary of Analytical Results: PCBs in Subsurface Soil Samples
Bethune Middle School

Boring ID	Northing	Easting	Ground Surface Elevation	Sample ID	Sample Depth (feet)	Date Sampled	Concentration (mg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Human Health Criterion:							--	--	--	--	--	--	--	--	--	0.23
Y100	1814636.25	6478252.78	147.44	Y100-1.0	1.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y100	1814636.25	6478252.78	147.44	Y100-3.0	3.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y100	1814636.25	6478252.78	147.44	Y100-5.0	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y100	1814636.25	6478252.78	147.44	Y100-5.0 Dup	5.0	09/04/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y103	1814668.27	6478252.25	147.52	Y103-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	0.145	0.0466	<0.020	<0.020	<0.020	0.1916
Y103	1814668.27	6478252.25	147.52	Y103-3.0	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y103	1814668.27	6478252.25	147.52	Y103-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y105	1814688.52	6478253.51	147.23	Y105-1.0	1.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y105	1814688.52	6478253.51	147.23	Y105-3.0	3.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Y105	1814688.52	6478253.51	147.23	Y105-5.0	5.0	09/05/21	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Notes:

Bold indicates PCBs detected.

Shading indicates total PCB concentration exceeding 0.23 mg/kg

Reversed text indicates total PCB concentration exceeding 50 mg/kg

Italics indicate estimated coordinates.

J: Estimated concentration. Result is between method detection limit and reporting limit.

Table 2
Summary of Analytical Results: PCBs in Surface Soil Samples
Bethune Middle School

Location ID	Northing	Easting	Ground Surface Elevation	Sample ID	Depth (feet)	Date Sampled	Concentration (µg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
				Human Health Criterion:			-	-	-	-	-	-	-	-	-	0.23
B9	1814536.75	6478294.55	147.84	B9-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.823	0.713	<0.020	<0.020	<0.020	1.536
B14	1814480.95	6478281.20	147.57	B14-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	2.36	1.11	<0.020	<0.020	<0.020	3.47
B19	1814433.96	6478283.20	147.67	B19-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	<0.020	0.0252	<0.020	<0.020	<0.020	0.0252
B103	1814661.78	6478292.62	148.24	B103-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	2.00	0.826	<0.020	<0.020	<0.020	2.826
C21	1814412.60	6478298.76	147.51	C21-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.986	0.432	<0.020	<0.020	<0.020	1.418
D2	1814608.04	6478312.06	148.96	D2-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.237	0.107	<0.020	<0.020	<0.020	0.344
D4	1814579.61	6478312.67	148.56	D4-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	3.01	0.999	<0.020	<0.020	<0.020	4.009
D14	1814480.03	6478301.85	147.39	D14-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	10.2	3.26	<0.020	<0.020	<0.020	13.46
D14	1814480.03	6478301.85	147.39	D14-0.5-Dup	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	9.21	2.87	<0.020	<0.020	<0.020	12.08
D15	1814468.00	6478312.98	148.46	D15-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	1.60	0.642	<0.020	<0.020	<0.020	2.242
D19	1814434.72	6478310.56	148.02	D19-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.0425	0.0289	<0.020	<0.020	<0.020	0.0714
D104	1814671.39	6478312.11	148.55	D104-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.322	0.137	<0.020	<0.020	<0.020	0.459
F19	1814433.80	6478333.47	147.46	F19-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.435	0.611	<0.020	<0.020	<0.020	1.046
G0	1814621.66	6478336.42	147.31	G0-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.112	0.165	<0.020	<0.020	<0.020	0.277
G5	1814570.25	6478336.51	147.36	G5-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.163	0.137	<0.020	<0.020	<0.020	0.300
G8	1814543.02	6478336.61	147.41	G8-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.118	0.115	<0.020	<0.020	<0.020	0.233
G10	1814518.91	6478336.75	147.36	G10-0.5	0.5	12/16/21	0.734	<0.020	<0.020	<0.020	0.127	0.281	<0.020	<0.020	<0.020	1.142
G12	1814502.62	6478339.54	147.33	G12-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	1.33	0.745	<0.020	<0.020	<0.020	2.075
G12	1814502.62	6478339.54	147.33	G12-0.5-Dup	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	1.30	0.562	<0.020	<0.020	<0.020	1.862
G14	1814487.04	6478336.78	147.25	G14-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.0757	0.266	<0.020	<0.020	<0.020	0.3417
G16	1814462.74	6478338.24	147.19	G16-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.826	0.563	<0.020	<0.020	<0.020	1.389
G21	1814410.51	6478339.39	147.43	G21-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.209	0.145	<0.020	<0.020	<0.020	0.354
G101	1814640.27	6478337.57	147.34	G101-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.0646	0.179	<0.020	<0.020	<0.020	0.2436
G104	1814666.95	6478337.50	147.22	G104-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.045	0.116	<0.020	<0.020	<0.020	0.161
X2	1814608.74	6478247.93	147.65	X2-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.37	0.291	<0.020	<0.020	<0.020	0.661
X5	1814568.66	6478247.33	147.3	X5-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	1.50	0.761	<0.020	<0.020	<0.020	2.261
X8	1814538.97	6478250.62	147.38	X8-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	3.40	1.16	<0.020	<0.020	<0.020	4.56
X8	1814538.97	6478250.62	147.38	X8-0.5-Dup	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	3.69	1.24	<0.020	<0.020	<0.020	4.93
X100	1814635.88	6478248.42	147.92	X100-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.264	0.179	<0.020	<0.020	<0.020	0.443
X103	1814670.06	6478247.69	147.73	X103-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.164	0.109	<0.020	<0.020	<0.020	0.273
X103	1814670.06	6478247.69	147.73	X103-0.5-Dup	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.248	0.154	<0.020	<0.020	<0.020	0.402
Y19a	1814433.66	6478262.17	147.87	Y19a-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.481	0.269	<0.020	<0.020	<0.020	0.750
Y21	1814411.83	6478255.61	147.34	Y21-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	1.10	1.50	<0.020	<0.020	<0.020	2.60

Table 2
Summary of Analytical Results: PCBs in Surface Soil Samples
Bethune Middle School

Location ID	Northing	Easting	Ground Surface Elevation	Sample ID	Depth (feet)	Date Sampled	Concentration (µg/kg)									
							Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
				Human Health Criterion:			-	-	-	-	-	-	-	-	-	0.23
Z2	1814607.70	6478274.09	148.77	Z2-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	1.39	0.529	<0.020	<0.020	<0.020	1.919
Z4	1814583.61	6478275.36	148.4	Z4-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	2.28	0.804	<0.020	<0.020	<0.020	3.084
Z15	1814471.81	6478274.03	148.58	Z15-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	<0.020	0.103	<0.020	<0.020	<0.020	0.103
Z104	1814670.35	6478273.64	148.7	Z104-0.5	0.5	12/16/21	<0.020	<0.020	<0.020	<0.020	0.198	0.0823	<0.020	<0.020	<0.020	0.2803

Notes:

Bold indicates PCBs detected.

Shading indicates total PCB concentration exceeding 0.23 mg/kg.

Sample Y19a is designated Y19 in the laboratory report. Sample ID was changed here and in figures to avoid confusion with soil boring Y19.

Table 3
Descriptive Statistics

Parameter	Subsurface Samples	Surface Samples
Number of Samples	351	37
Number of Detections	148	37
Minimum Detected Concentration	0.0201	0.0252
Maximum Detected Concentration	93.6	13.46
Number of Samples ≥ 0.23 mg/kg	111	33
Number of Samples ≥ 50 mg/kg	3	0

Table 4
Summary of Analytical Results: PCBs Left in Place

Boring ID	Sample ID	Date Sampled	Sample Depth (feet bgs)	Sample Elevation (feet msl)	Excavation Bottom Elevation (feet msl)	Total PCBs (mg/kg)
10BR	10BR-5	07/21/21	5	142.86	144.36	<0.020
A1	A1-5.0	07/19/21	5	143.07	144.54	<0.020
A2	A2-5.0	07/20/21	5	143.55	144.51	0.114
A3	A3-3.0	07/20/21	3	144.34	144.47	1.14
A3	A3-3.0 Dup	07/20/21	3	144.34	144.47	0.442
A3	A3-5.0	07/20/21	5	142.34	144.47	<0.020
A4	A4-3.0	07/21/21	3	144.30	144.41	<0.020
A4	A4-5.0	07/21/21	5	142.30	144.41	<0.020
A5	A5-5.0	07/22/21	5	143.52	144.35	3.149
A5	A5-5.0 Dup	07/22/21	5	143.52	144.35	1.475
A5	A5-7.5	07/22/21	7.5	141.02	144.35	<0.020
A5	A5-10	07/22/21	10	138.52	144.35	<0.020
A7	A7-05	05/20/23	5	143.11	143.96	<0.020
A9	A9-5.0	09/06/21	5	142.66	144.23	<0.020
A11	A11-05	05/20/23	5	142.79	144.36	<0.020
A11	A11-05D	05/20/23	5	142.79	144.36	<0.020
A13	A13-5.0	09/06/21	5	142.61	143.92	<0.020
A17	A17-3.0	05/14/22	3	143.72	144.19	0.199
A17	A17-5.0	05/14/22	5	141.72	144.19	<0.020
A100	A100-05	05/20/23	5	143.36	144.62	0.042
A102	A102-05	05/20/23	5	143.36	144.62	<0.020
A105	A105-3.0	05/15/22	3	144.14	144.38	<0.020
A105	A105-5.0	05/15/22	5	142.14	144.38	<0.020
B1	B1-5.0	07/19/21	5	143.19	144.35	<0.020
B2	B2-5.0	07/20/21	5	143.34	144.46	<0.020
B3	B3-5.0	07/20/21	5	142.91	144.45	0.0384
B4	B4-5.0	07/21/21	5	143.13	144.36	<0.020
B5	B5-5.0	07/22/21	5	143.28	144.31	<0.020
C1	C1-5.0	07/19/21	5	143.39	144.21	<0.020
C2	C2-5.0	07/19/21	5	143.35	144.41	<0.020
C3	C3-5.0	07/20/21	5	142.97	144.43	0.0301
C3	C3-5 Dup	07/20/21	5	142.97	144.43	0.0229
C4	C4-5.0	07/21/21	5	142.99	144.27	<0.020
C5	C5-5.0	07/22/21	5	143.25	144.21	<0.020
C5	C5-5.0 Dup	07/22/21	5	143.25	144.21	0.278
C5	C5-7.5	07/22/21	7.5	140.75	144.21	<0.020
C5	C5-10	07/22/21	10	138.25	144.21	<0.020
C7	C7-5.0	09/03/21	5	143.11	143.85	0.1083
C11	C11-5.0	09/03/21	5	142.79	144.25	<0.020
C13	C13-05	05/20/23	5	142.74	143.81	2.46
C15	C15-3.0	09/03/21	3	143.88	144.01	<0.020
C15	C15-3.0 Dup	09/03/21	3	143.88	144.01	<0.020
C15	C15-5.0	09/03/21	5	141.88	144.01	<0.020
C17	C17-3.0	05/14/22	3	143.55	143.88	0.8237
C17	C17-5.0	05/14/22	5	141.55	143.88	<0.020
C17	C17-5.0 Dup	05/14/22	5	141.55	143.88	<0.020
C19	C19-3.0	09/03/21	3	143.72	144.10	<0.020
C19	C19-5.0	09/03/21	5	141.72	144.10	<0.020
C21	C21-3.0	09/03/21	3	143.55	144.20	<0.020
C21	C21-5.0	09/03/21	5	141.55	144.20	<0.020
C21	C21-5.0 Dup	09/03/21	5	141.55	144.20	<0.020
C100	C100-5.0	09/03/21	5	143.36	144.18	<0.020

Table 4
Summary of Analytical Results: PCBs Left in Place

Boring ID	Sample ID	Date Sampled	Sample Depth (feet bgs)	Sample Elevation (feet msl)	Excavation Bottom Elevation (feet msl)	Total PCBs (mg/kg)
C103	C103-3.0	09/04/21	3	144.19	144.38	<0.020
C103	C103-5.0	09/04/21	5	142.19	144.38	<0.020
C105	C105-3.0	09/04/21	3	143.92	144.27	<0.020
C105	C105-5.0	09/04/21	5	141.92	144.27	<0.020
D1	D1-5.0	07/19/21	5	143.39	144.33	<0.020
D2	D2-5.0	07/19/21	5	143.10	144.41	<0.020
D3	D3-5.0	07/20/21	5	142.91	144.42	<0.020
D4	D4-5.0	07/21/21	5	142.71	144.15	<0.020
D5	D5-5.0	07/22/21	5	143.03	144.12	<0.020
E1	E1-5.0	07/19/21	5	142.96	144.36	<0.020
E2	E2-5.0	07/19/21	5	143.58	144.39	0.271
E2	E2-7.5	07/19/21	7.5	141.08	144.39	<0.020
E2	E2-10	07/19/21	10	138.58	144.39	<0.020
E3	E3-3.0	07/20/21	3	144.25	144.37	0.0289
E3	E3-3.0 Dup	07/20/21	3	144.25	144.37	0.0399
E3	E3-5.0	07/20/21	5	142.25	144.37	<0.020
E4	E4-3.0	07/21/21	3	144.18	144.31	<0.020
E4	E4-5.0	07/21/21	5	142.18	144.31	<0.020
E5	E5-5.0	07/22/21	5	143.38	144.14	13.64
E5	E5-5.0 Dup	07/22/21	5	143.38	144.14	10.27
E5	E5-7.5	07/22/21	7.5	140.88	144.14	<0.020
E5	E5-10	07/22/21	10	138.38	144.14	<0.020
E6	E6-05	05/20/23	5	143.03	144.08	<0.020
E9	E9-5.0	09/06/21	5	142.75	144.15	<0.020
E13	E13-5.0	09/06/21	5	142.74	144.02	<0.020
E17	E17-3.0	05/14/22	3	143.81	144.01	<0.020
E17	E17-5.0	05/14/22	5	141.81	144.01	<0.020
E100	E100-05	05/20/23	5	143.36	144.59	<0.020
E102	E102-05	05/20/23	5	143.36	144.38	<0.020
E102	E102-05D	05/20/23	5	143.36	144.38	<0.020
E105	E105-3.0	05/15/22	3	143.81	144.14	<0.020
E105	E105-5.5	05/15/22	5	141.81	144.14	<0.020
F1	F1-5.0	07/21/21	5	142.07	144.28	<0.020
F2	F2-3.0	07/20/21	3	144.03	144.35	0.0385
F2	F2-5.0	07/20/21	5	142.03	144.35	<0.020
F3	F3-3.0	07/20/21	3	143.92	144.32	<0.020
F3	F3-5.0	07/20/21	5	141.92	144.32	<0.020
F4	F4-3.0	07/20/21	3	143.84	144.25	0.0443
F4	F4-5.0	07/20/21	5	141.84	144.25	<0.020
F5	F5-3.0	07/20/21	3	143.73	144.16	<0.020
F5	F5-5.0	07/20/21	5	141.73	144.16	<0.020
F6	F6-03	05/20/23	3	143.73	144.14	<0.020
F6	F6-05	05/20/23	5	141.73	144.14	<0.020
F7	F7-03	05/20/23	3	143.73	144.05	<0.020
F7	F7-03D	05/20/23	3	143.73	144.05	<0.020
F7	F7-05	05/20/23	5	141.73	144.05	<0.020
F9	F9-3.0	05/14/22	3	143.86	144.02	0.173
F9	F9-3.0-Dup	05/14/22	3	143.86	144.02	0.174
F9	F9-5.0	05/14/22	5	141.86	144.02	<0.020
F11	F11-3.0	05/14/22	3	143.56	144.35	0.76
F11	F11-5.0	05/14/22	5	141.56	144.35	0.034
F13	F13-3.0	05/14/22	3	143.51	144.07	<0.020

Table 4
Summary of Analytical Results: PCBs Left in Place

Boring ID	Sample ID	Date Sampled	Sample Depth (feet bgs)	Sample Elevation (feet msl)	Excavation Bottom Elevation (feet msl)	Total PCBs (mg/kg)
F13	F13-5.0	05/14/22	5	141.51	144.07	<0.020
F16	F16-3.0	05/14/22	3	143.79	144.17	<0.020
F16	F16-5.0	05/14/22	5	141.79	144.17	<0.020
F20	F20-2.5(W)	12/20/21	2.5	143.85	143.90	<0.020
F101	F101-3.0	05/15/22	3	144.09	144.37	<0.020
F101	F101-5.0	05/15/22	5	142.09	144.37	<0.020
F103	F103-3.0	05/15/22	3	143.97	144.15	<0.020
F103	F103-5.0	05/15/22	5	141.97	144.15	<0.020
G1	G1-3.0	07/21/21	3	143.93	144.48	0.0201
G1	G1-5.0	07/21/21	5	141.93	144.48	<0.020
G2	G2-3.0	07/21/21	3	143.91	144.51	0.091
G2	G2-5.0	07/21/21	5	141.91	144.51	<0.020
G3	G3-3.0	07/21/21	3	143.88	144.39	0.0465
G3	G3-3.0	07/21/21	3	143.88	144.39	0.0229
G3	G3-5.0	07/21/21	5	141.88	144.39	0.0324
G4	G4-3.0	07/21/21	3	143.88	144.35	<0.020
G4	G4-5.0	07/21/21	5	141.88	144.35	<0.020
G5	G5-3.0	07/20/21	3	143.69	144.41	0.0258
G5	G5-5.0	07/20/21	5	141.69	144.41	<0.020
G7	G7-3.0	09/05/21	3	144.09	144.38	<0.020
G7	G7-5.0	09/05/21	5	142.09	144.38	<0.020
G11	G11-3.0	09/05/21	3	143.67	144.42	<0.020
G11	G11-5.0	09/05/21	5	141.67	144.42	<0.020
G15	G15-3.0	09/05/21	3	143.92	144.33	<0.020
G15	G15-3.0 Dup	09/05/21	3	143.92	144.33	<0.020
G15	G15-5.0	09/05/21	5	141.92	144.33	<0.020
G18	G18-3	09/06/21	3	143.60	144.01	<0.020
G18	G18-5	09/06/21	5	141.60	144.01	<0.020
G18	G18-5 Dup	09/06/21	5	141.60	144.01	<0.020
G20	G20-2.5(E)	12/20/21	2.5	143.85	143.89	<0.020
G21	G21-5.0	09/05/21	5	141.35	143.95	<0.020
G100	G100-3.0	09/05/21	3	144.09	144.55	0.1248
G100	G100-5.0	09/05/21	5	142.09	144.55	<0.020
G103	G103-3.0	09/05/21	3	143.88	144.14	<0.020
G103	G103-5.0	09/05/21	5	141.88	144.14	<0.020
G105	G105-3.0	09/05/21	3	143.63	143.95	<0.020
G105	G105-5.0	09/05/21	5	141.63	143.95	<0.020
H2/3	H2/3-3	07/21/21	3	143.99	144.57	<0.020
H2/3	H2/3-5	07/21/21	5	141.99	144.57	<0.020
X19	X19-3.0	05/15/22	3	143.87	144.36	<0.020
X19	X19-5.0	05/15/22	5	141.87	144.36	<0.020
Y3	Y3-3.0	09/04/21	3	143.53	144.46	<0.020
Y3	Y3-5.0	09/04/21	5	141.53	144.46	<0.020
Y7	Y7-3.0	09/04/21	3	143.26	144.38	<0.020
Y7	Y7-3.0 Dup	09/04/21	3	143.26	144.38	<0.020
Y7	Y7-5.0	09/04/21	5	141.26	144.38	<0.020
Y11	Y11-3.0	09/04/21	3	143.71	144.41	<0.020
Y11	Y11-5.0	09/04/21	5	141.71	144.41	<0.020
Y15	Y15-3.0	09/04/21	3	143.91	144.05	<0.020
Y15	Y15-5.0	09/04/21	5	141.91	144.05	<0.020
Y17	Y17-3.0-Dup	05/14/22	3	143.80	144.40	<0.020
Y17	Y17-3.0-Dup	05/14/22	3	143.80	144.40	<0.020

Table 4
Summary of Analytical Results: PCBs Left in Place

Boring ID	Sample ID	Date Sampled	Sample Depth (feet bgs)	Sample Elevation (feet msl)	Excavation Bottom Elevation (feet msl)	Total PCBs (mg/kg)
Y17	Y17-5.0	05/14/22	5	141.80	144.40	<0.020
Y18	Y18-3.0	05/15/22	3	143.65	144.39	0.0447
Y18	Y18-5.0	05/15/22	5	141.65	144.39	<0.020
Y19	Y19-3.0	09/04/21	3	143.61	144.19	<0.020
Y19	Y19-5.0	09/04/21	5	141.61	144.19	<0.020
Y20	Y20-3.0	05/15/22	3	143.89	144.25	<0.020
Y20	Y20-5.0	05/15/22	5	141.89	144.25	<0.020
Y21	Y21-3.0	09/04/21	3	143.93	144.47	<0.020
Y21	Y21-5.0	09/04/21	5	141.93	144.47	<0.020
Y100	Y100-3.0	09/04/21	3	144.44	144.53	<0.020
Y100	Y100-5.0	09/04/21	5	142.44	144.53	<0.020
Y100	Y100-5.0 Dup	09/04/21	5	142.44	144.53	<0.020
Y103	Y103-3.0	09/05/21	3	144.52	144.82	<0.020
Y103	Y103-5.0	09/05/21	5	142.52	144.82	<0.020
Y105	Y105-3.0	09/05/21	3	144.23	144.59	<0.020
Y105	Y105-5.0	09/05/21	5	142.23	144.59	<0.020

Notes

bgs: below ground surface

msl: mean sea level

mg/kg: milligrams per kilogram

FIGURES



TETRA TECH
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Pasadena, CA 91107

0 0.125 0.25 Miles
1 in = 0.25 miles



FIGURE 1 Site Location Map

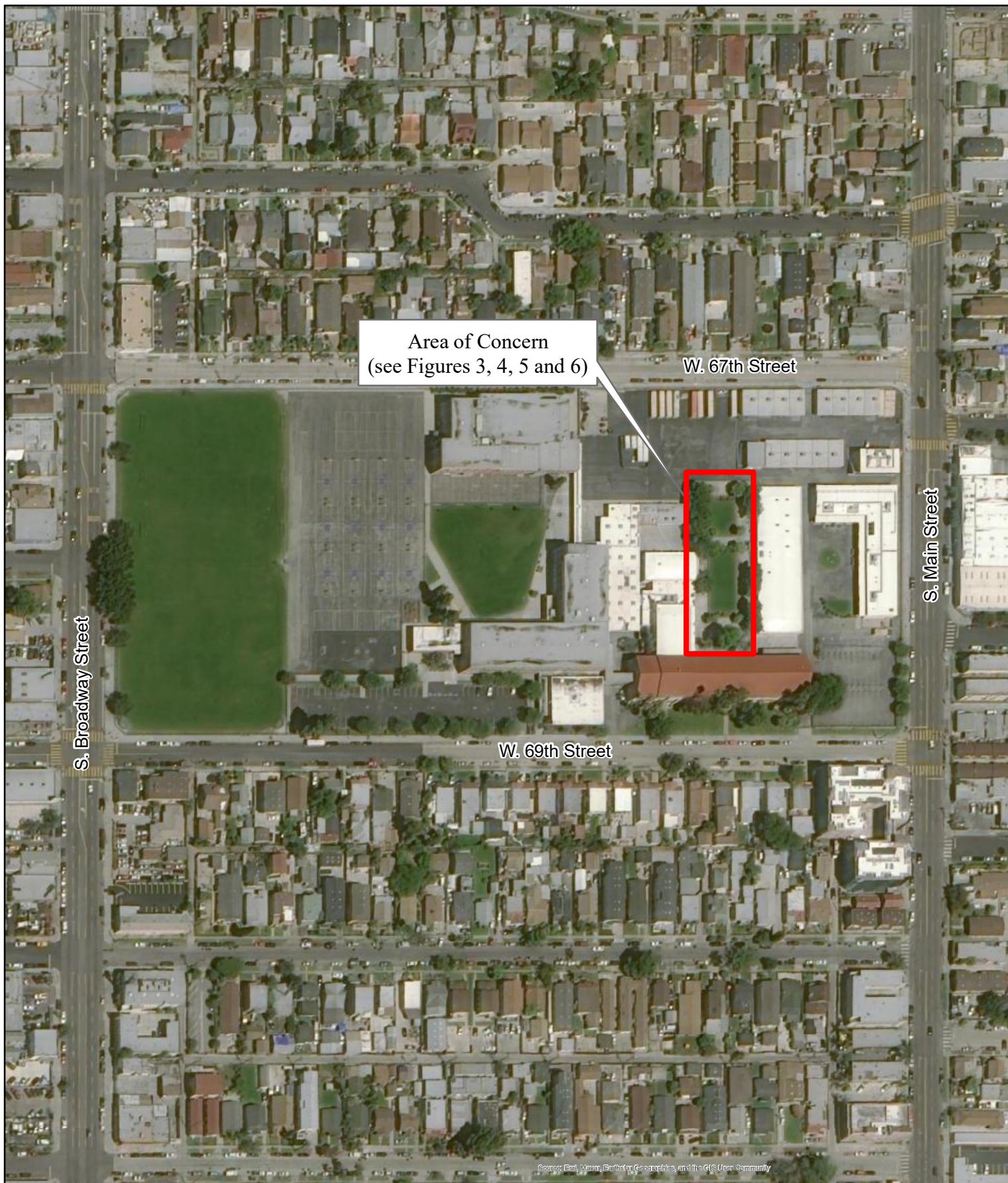
LAUSD ~ Bethune Middle School
155 W 69th St, Los Angeles, CA 90003

Prepared By: B.D.

Reviewed By: M.F.

Project No.
102-ENV-T42183.01

Date: June 2022



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Pasadena, CA 91107

0 100 200 Feet
1 in = 200 feet



FIGURE 2 Area of Concern Location

LAUSD ~ Bethune Middle School
155 W 69th St, Los Angeles, CA 90003

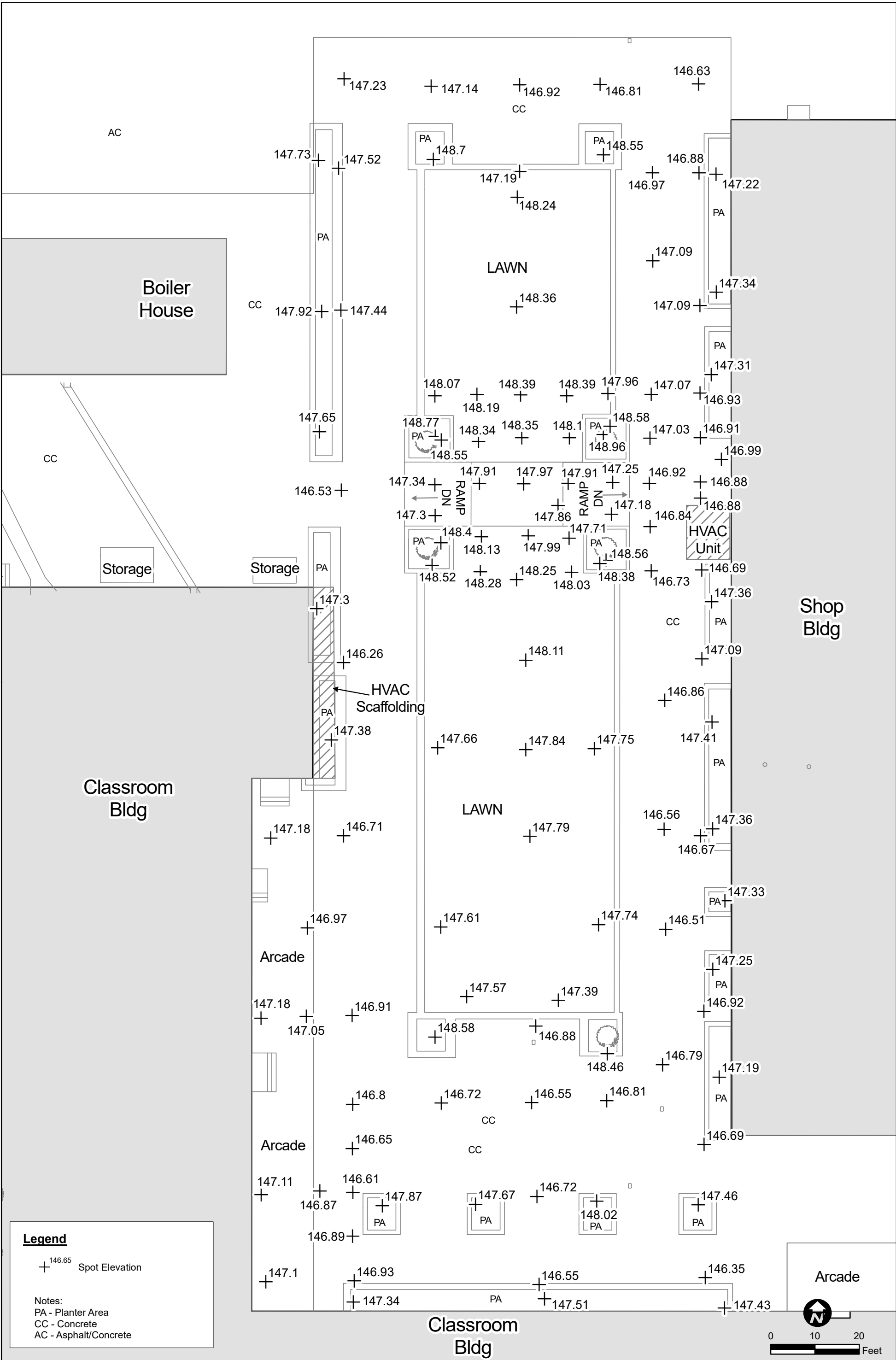
Prepared By: B.D.

Reviewed By: M.F.

Project No.
102-ENV-T42183.01

Date: June 2022

P:\Public\LAUSD\Bethune MS\1466 Sampling\Figures\Figure 3 Surface Elevations.mxd




Program Manager:	M.F.
Prepared by:	B.D.
Reviewed by:	M.F.

Prepared by:



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3475 East Foothill Blvd.
Pasadena, California 91107

Prepared for:

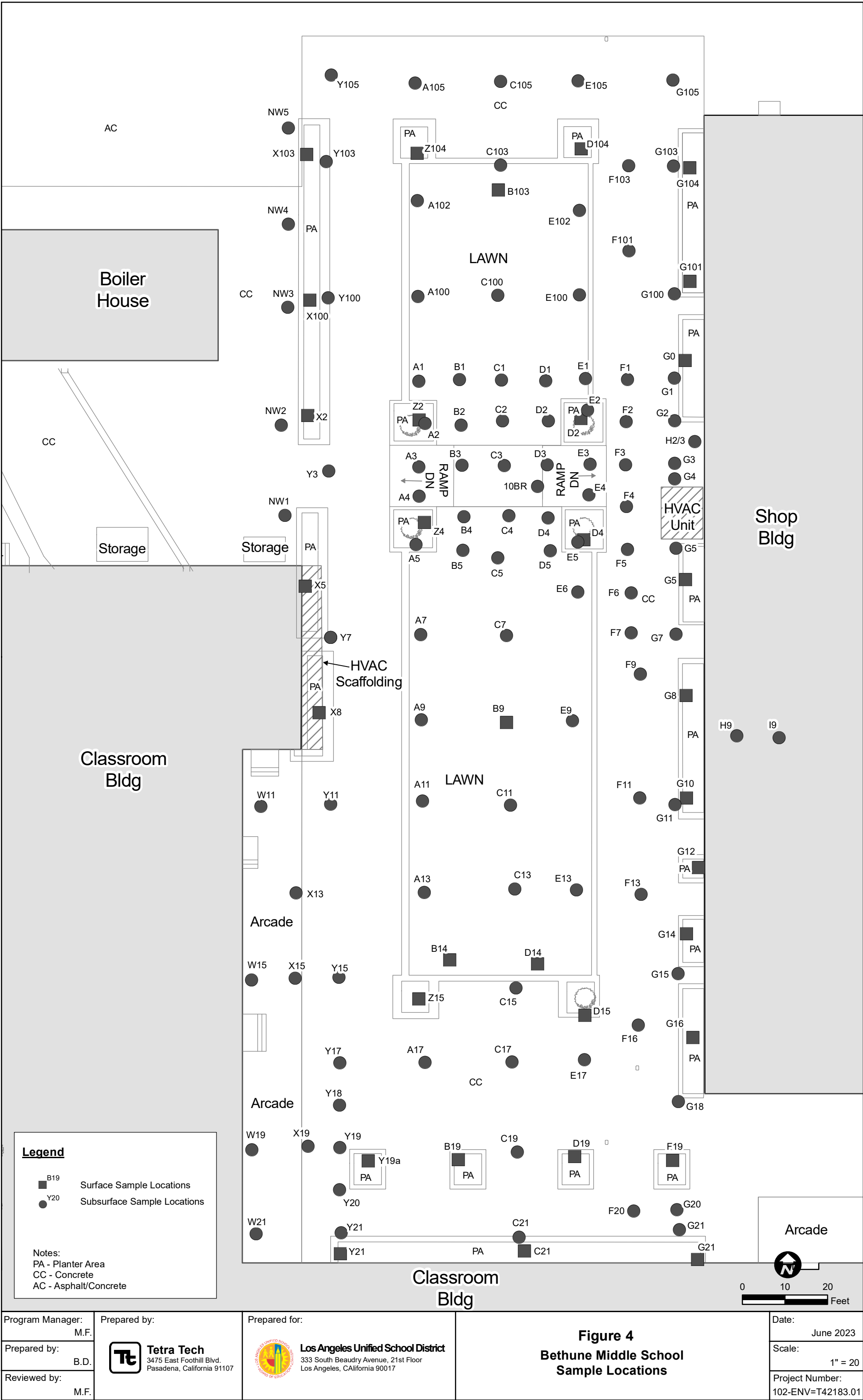


Los Angeles Unified School District
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017

Figure 3
Bethune Middle School
Surface Elevations

Date:	March 2023
Scale:	1" = 20
Project Number:	102-ENV=T42183.01

S:\Bethune MS\1466 Sampling\Figures\Figure 4 Sample Locations.mxd



Program Manager: M.F.

Prepared by: B.D.

Reviewed by: M.F.

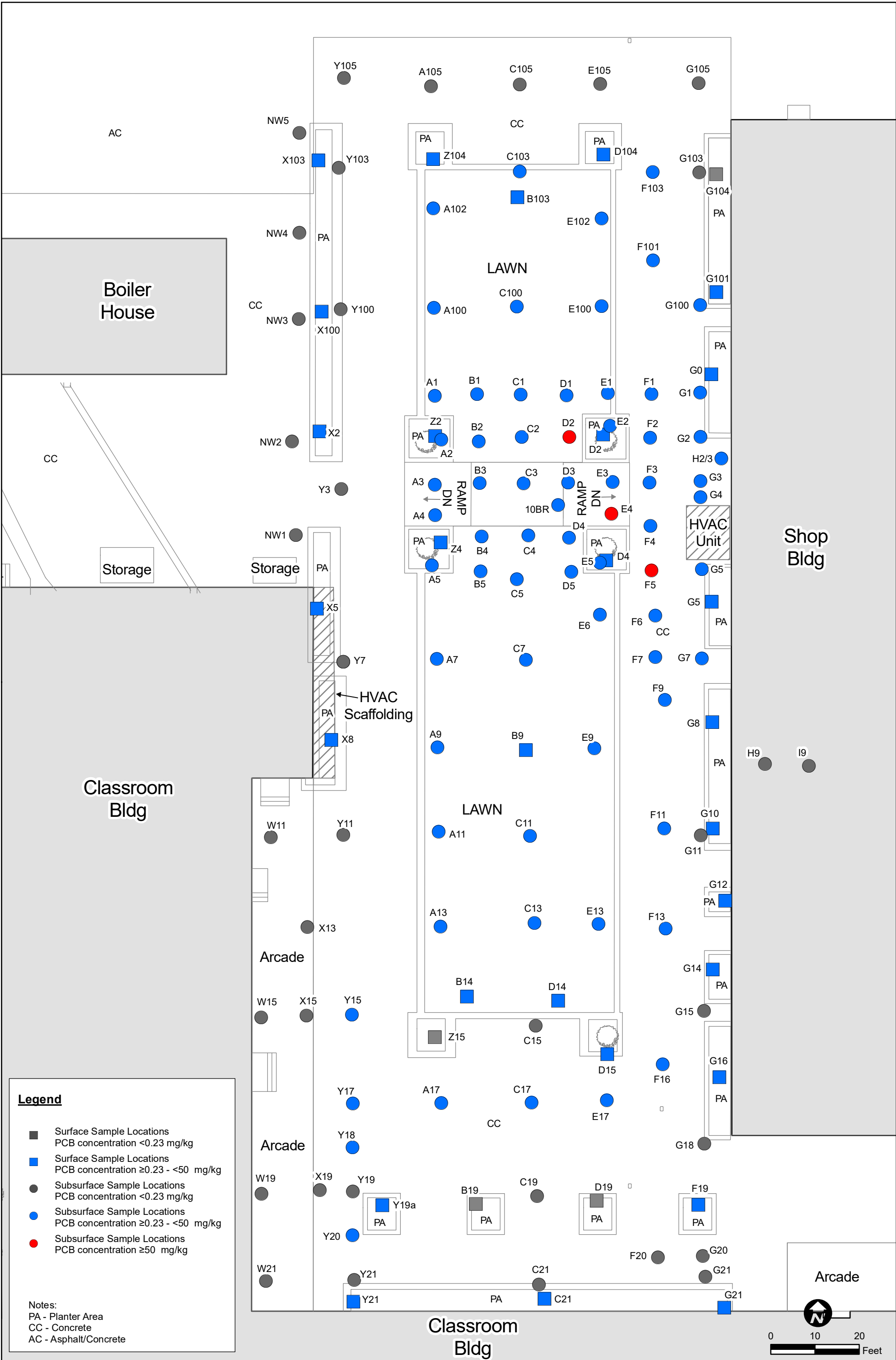
Prepared by:

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3475 East Foothill Blvd.
Pasadena, California 91107

Prepared for:

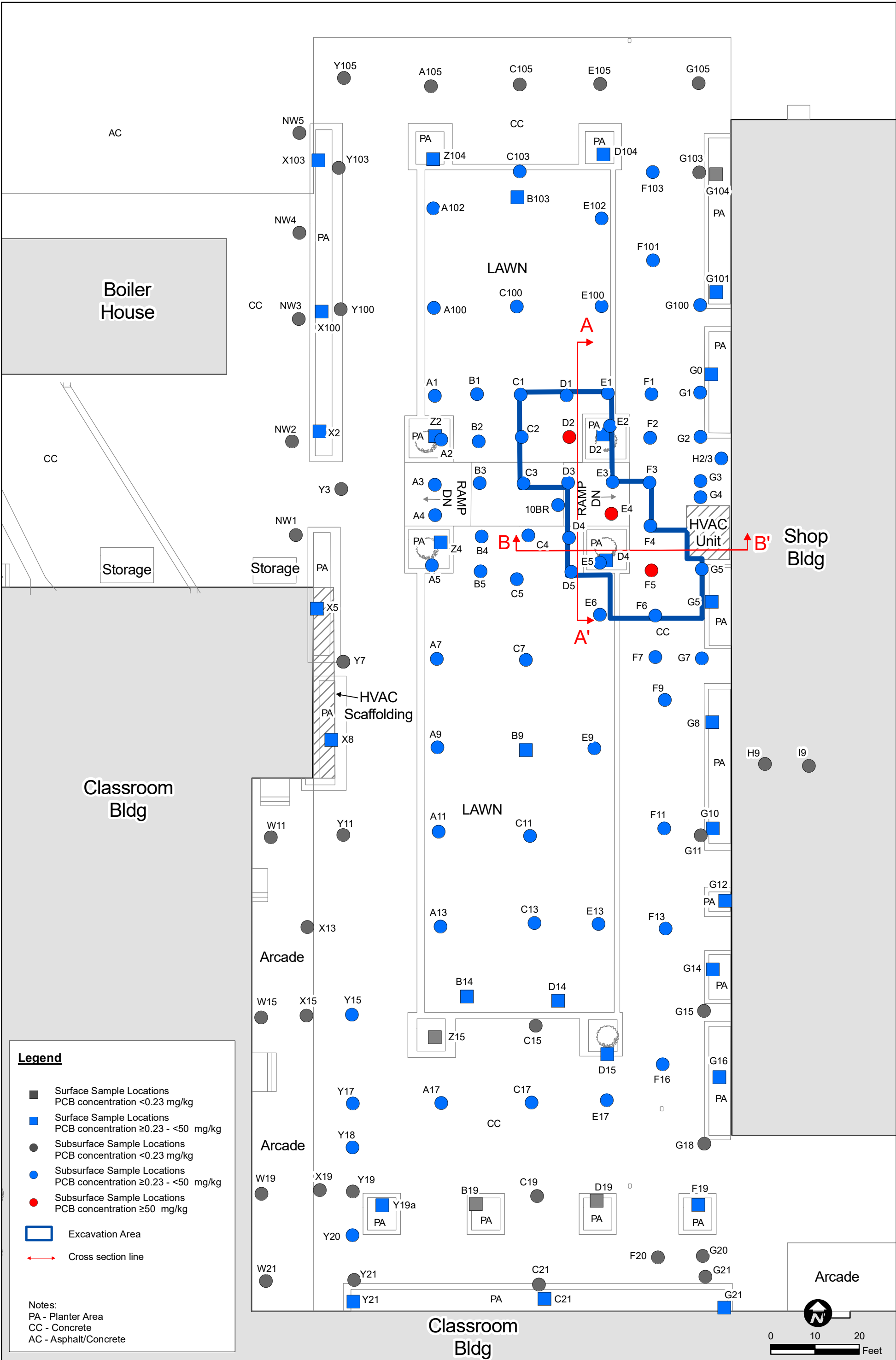
Los Angeles Unified School District
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017

S:\Bethune MS\1466 Sampling\Figures\Figure 5 PCB Concentrations.mxd



Program Manager: M.F.	Prepared by: <div><div>Tt</div><div>Tetra Tech 3475 East Foothill Blvd. Pasadena, California 91107</div></div>	Prepared for: <div><div></div><div>Los Angeles Unified School District 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017</div></div>	Figure 5 Bethune Middle School Maximum PCB Concentrations	Date: June 2023
Prepared by: B.D.				Scale: 1" = 20
Reviewed by: M.F.				Project Number: 102-ENV=T42183.01

S:\Bethune MS\1466 Sampling\Figures\Figure 7 Excavation Area PCBs over 50.mxd



Program Manager:
M.F.

Prepared by:
B.D.

Reviewed by:
M.F.

Prepared by:

Tetra Tech
3475 East Foothill Blvd.
Pasadena, California 91107

Prepared for:

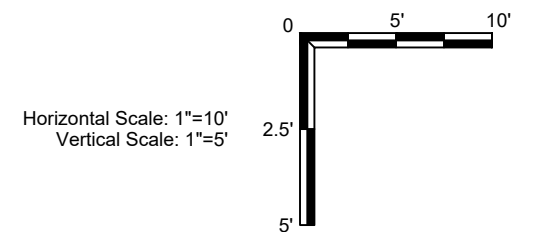
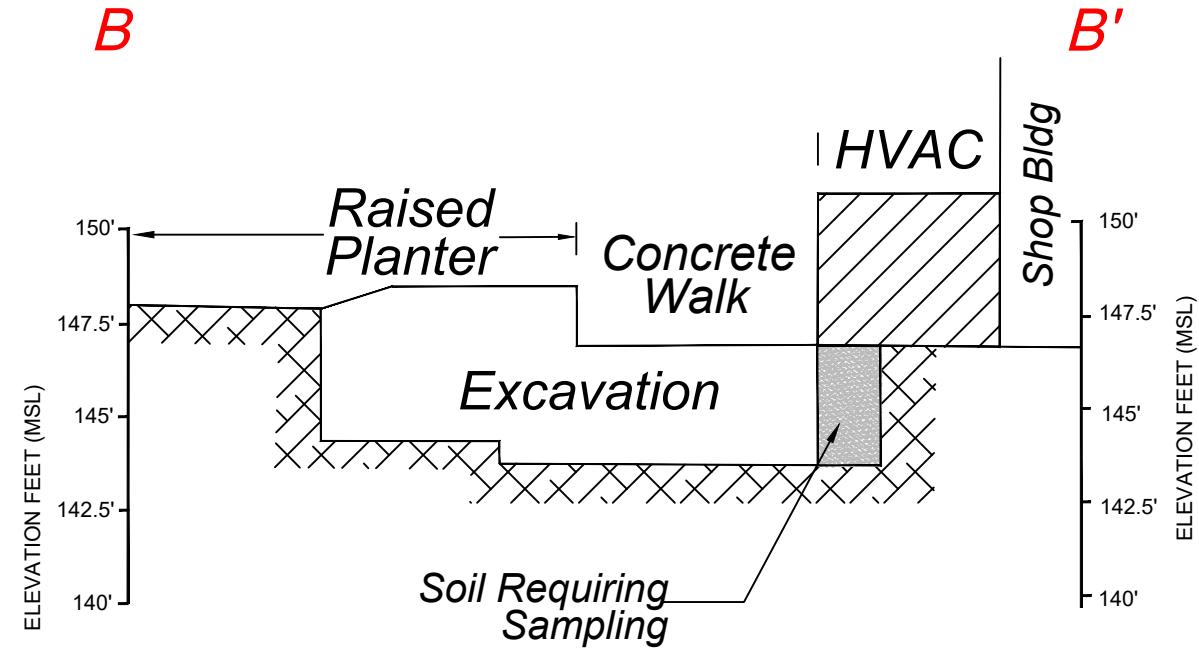
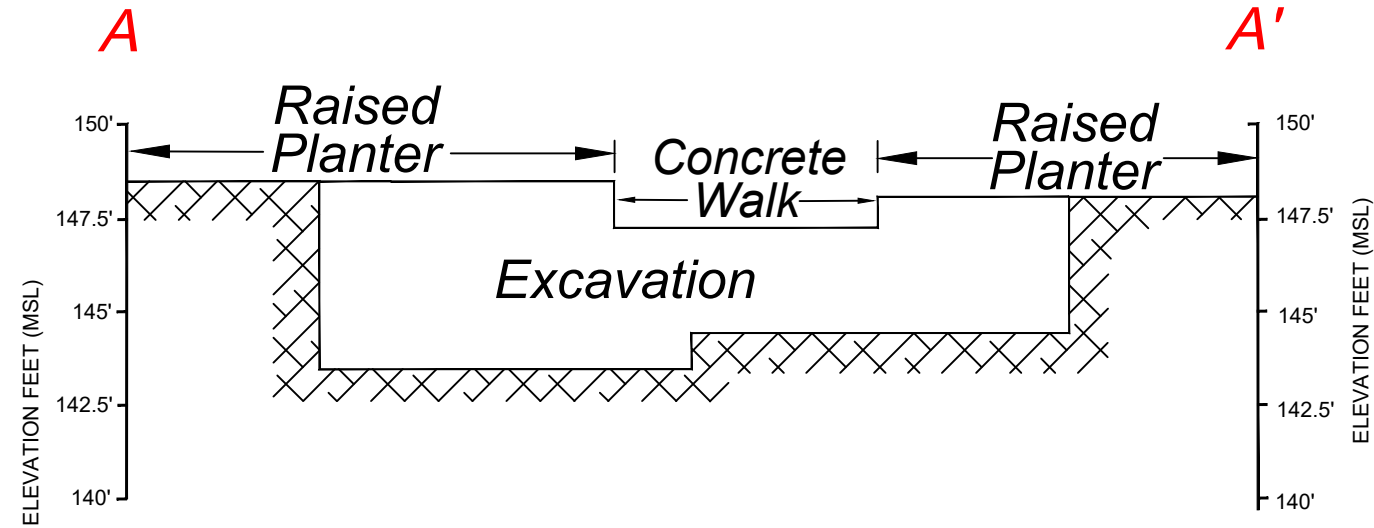
Los Angeles Unified School District
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017

Figure 6
Bethune Middle School
Excavation Plan for PCBs ≥50 mg/kg


Date:
June 2023

Scale:
1" = 20

Project Number:
102-ENV=T42183.01



S:\Bethune MS\1466 Sampling\Figures\CAD\TT CAD\Cross Sections March2023.dwg

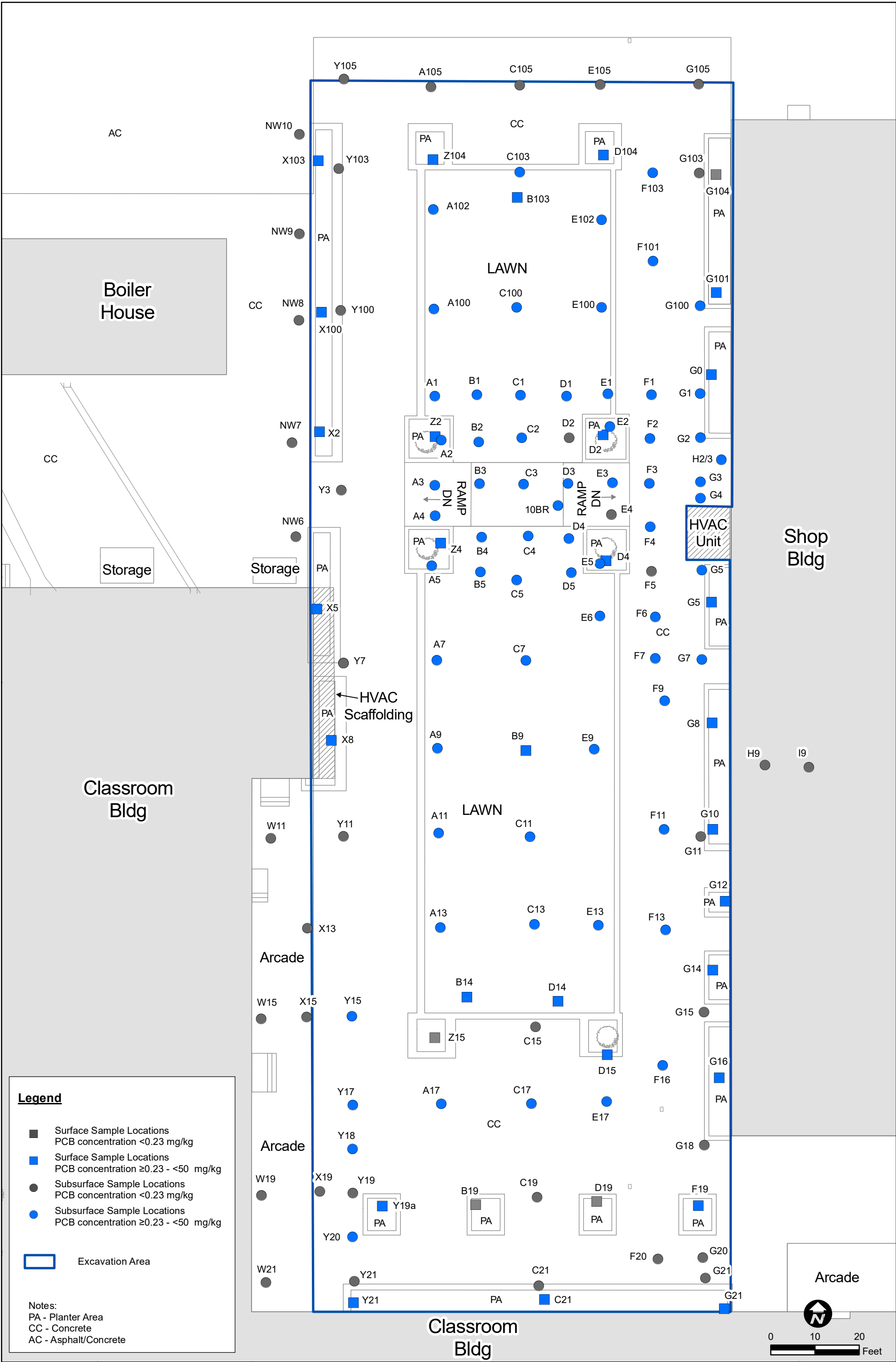
PROGRAM MANAGER:	M.F.	Prepared For:
PREPARED BY:	B.D.	
PROJECT MANAGER:	M.F.	Los Angeles Unified School District 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017

Prepared By:	
	TETRA TECH 3475 E. Foothill Blvd. Pasadena, California 91107

Figure 7
Cross-Sections A-A' and B-B'
Bethune Middle School

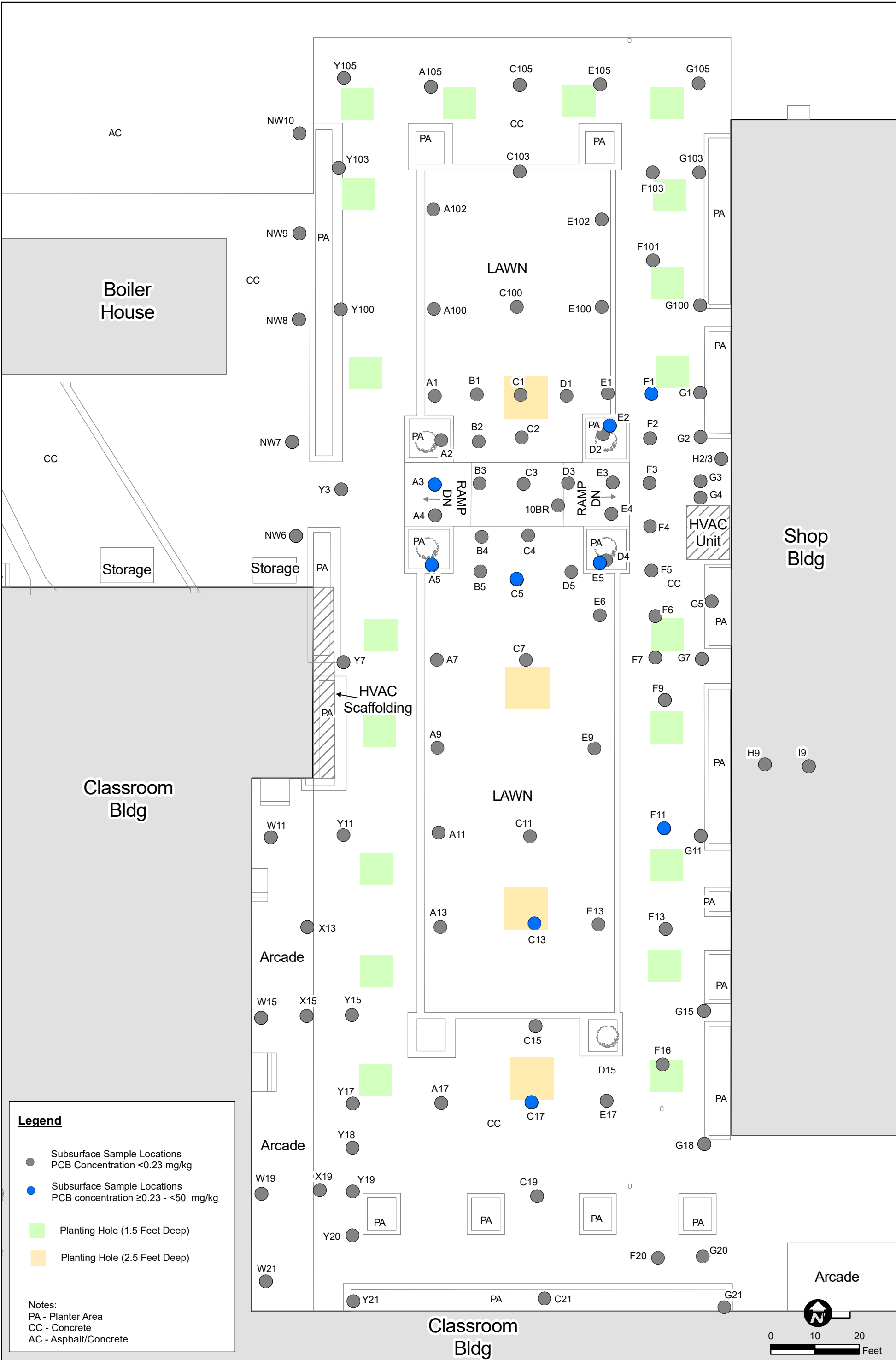
DATE	March 2023
SCALE	Horz. 1" = 10' Vert. 1" = 5'
PROJECT NUMBER	102-ENV-T42180.01

Y:\Public\LAUSD\Bethune MS\1466 Sampling\Figures\Figure 8 Excavation Plan.mxd



Program Manager: M.F.	Prepared by: <div><div>Tt</div><div>Tetra Tech 3475 East Foothill Blvd. Pasadena, California 91107</div></div>	Prepared for: <div><div></div><div>Los Angeles Unified School District 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017</div></div>	Figure 8 Bethune Middle School Excavation Plan for Soil 2 Feet Below Finished Grade	Date: November 2023 Scale: 1" = 20 Project Number: 102-ENV=T42183.01
Prepared by: B.D.				
Reviewed by: M.F.				

Y:\Public\LAUSD\Bethune MS1466 Sampling\Figures\Figure 9 Additional Excavation.mxd



Program Manager:
M.F.

Prepared by:
B.D.

Reviewed by:
M.F.

Prepared by:

Tetra Tech
3475 East Foothill Blvd.
Pasadena, California 91107

Prepared for:

Los Angeles Unified School District
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017

Figure 9
Bethune Middle School
Additional Excavation Greater Than
2 Feet Below Finished Grade

Date:
November 2023

Scale:
1" = 20

Project Number:
102-ENV=T42183.01

APPENDIX A: BETHUNE MIDDLE SCHOOL, SCAQMD RULE 1466 SOIL SAMPLING

To: Dane Robinson, Los Angeles Unified School District, Office of Environmental Health and Safety

Cc:

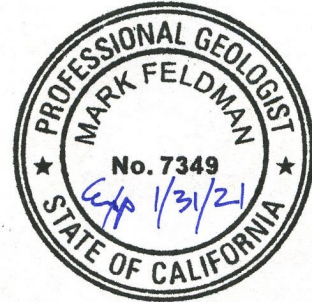
From: Eric Nelson PG, Tetra Tech, Inc.

Mark Feldman, CHG CEG, Tetra Tech, Inc.



Date: August 19, 2020

Subject: Bethune Middle School, SCAQMD Rule 1466 Soil Sampling



1.0 Introduction

Tetra Tech, Inc. (Tetra Tech) is pleased to provide the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS) with the following technical memorandum summarizing the results of South Coast Air Quality Management District (SCAQMD) Rule 1466 soil sampling at Bethune Middle School, located at 155 West 69th St., Los Angeles, California. This work was performed in accordance with Tetra Tech's proposal dated May 19, 2020, which was authorized by LAUSD on May 21, 2020 (Work Authorization No. E-310423-1TTI).

It is Tetra Tech's understanding that a construction project involving resetting the grade of asphalt and concrete ramps for Americans with Disabilities Act (ADA) compliance is currently being planned at Bethune Middle School. This project will involve the movement of more than 50 cubic yards of soil. SCAQMD Rule 1466 (Control of Particulate Emissions from Soils with Toxic Air Contaminants) imposes various requirements for ambient dust (PM₁₀) monitoring, dust control measures, notification, signage, and recordkeeping for projects involving movement of more than 50 cubic yards of "soils with toxic air contaminants." For the purpose of Rule 1466, "soils with toxic air contaminants" are soils containing one of more of the toxic air contaminants listed in Rule 1466; or one or more of the toxic air contaminants listed in SCAQMD Rule 1401 (excluding those volatile organic compounds listed under SCAQMD Rule 1166), at concentrations exceeding screening levels set by the United States Environmental Protection Agency (USEPA), the California Department of Toxic Substances Control (DTSC), the State Water Resources Control Board, a Regional Water Quality Control Board, or a state, county, or local regulatory agency.

The objective of the soil sampling is to identify whether the requirements of SCAQMD Rule 1466 will apply during the proposed construction work.

The scope of work performed by Tetra Tech included the following:

- Clearing the soil boring locations for underground utilities.
- Drilling a total of 15 primary soil borings to a maximum depth of 3 feet.
- Collecting soil samples from the primary borings at depths of 1 foot (all borings) and 3 feet (5 borings).
- Analyzing the soil samples for selected metals, polycyclic aromatic hydrocarbons (PAHs), semi-volatile organic compounds (SVOCs), organochloride pesticides (OCPs), polychlorinated biphenyls (PCBs), and asbestos.
- Drilling 14 step-out soil borings to a depth of 1.5 feet to characterize PCB impacts identified in two of the primary borings.
- Collecting soil samples from the step-out borings at depths of 1 and 1.5 feet.
- Analyzing selected soil samples for PCBs.

Tetra Tech, Inc.

3475 E. Foothill Blvd, Pasadena, CA 91107
Tel 626.351.466 Fax 626.351.5291 tetrattech.com

- Preparing this memorandum summarizing the results of the soil sampling.

2.0 Field Investigation

Field work was performed by Tetra Tech on July 1, 2020 and on July 31 and August 1, 2020. Photographs documenting field work are provided in Attachment 1.

2.1 Utility Clearance

Utility clearance activities included the following:

- Contacting Underground Service Alert for utility clearance at least 48 hours prior to performing intrusive field activities.
- Performing a utility clearance at each boring to locate underground utilities or other subsurface obstructions.

Utility clearance was performed on July 1, 2020 and on July 31, 2020 by Pacific Coast Locators, Inc. of La Crescenta, California, using electromagnetic and ground penetrating radar techniques. No underground utilities were identified at any of the boring locations.

2.2 Drilling and Soil Sampling

Primary Borings

A total of 15 primary hand auger soil borings, designated #1 to #15, were drilled to depths of either 1 foot (10 locations) or 3 feet (5 locations) below the bottom of the compacted base material immediately underlying the surficial pavement. Soil samples were collected from all of the borings at a depth of 1 foot below the bottom of the base material. A second sample was collected from the 3-foot borings at a depth of 3 feet below the bottom of the base material. The primary soil boring locations are shown on Figure 1.

Step Out Borings

A total of 14 step out hand auger soil borings were drilled to characterize PCB impacts identified at primary borings #10 and #12. The step out borings were located 5 and 10 feet to the north, west, south, and east from primary boring #10; and 5 and 10 feet to the north, west, and south from primary boring #12. All of the step out borings were drilled to a depth of 1.5 feet below the bottom of the compacted base material underlying the surficial pavement. Soil samples were collected from at depths of 1.0 and 1.5 feet below the bottom of the compacted base material. The step out boring locations are shown on Figure 2.

Field Procedures

The soil samples were collected directly from the hand auger bucket and were placed in glass jars provided by the laboratory. The jars were then labeled, placed in plastic ziplock-type bags, and stored on ice in an ice chest pending delivery to the laboratory under chain-of-custody protocol.

The hand auger and other equipment used to collect the soil samples was decontaminated between samples by removing visible soil, spraying the equipment with Simple Green, and wiping with paper towels.

After each boring was completed, the borehole was backfilled with clean sand and capped at the surface with concrete to match the surrounding grade.

Soil cuttings were placed in a UN/DOT-approved 55-gallon steel drum. One composite sample was collected from the drum and analyzed for total petroleum hydrocarbons (TPH) using USEPA Method SW 8015, volatile organic compounds (VOCs) using USEPA Method SW 8260B, California Title 22 Metals using USEPA Method 6010/7140, and polychlorinated biphenyls (PCBs) using USEPA Method SW 8082. The drum of soil is currently pending profile approval. Once the profile is approved, the soil waste will be transported to an offsite disposal facility.

2.3 Laboratory Analysis

The soil samples were submitted under chain-of-custody protocol to American Environmental Testing Laboratories (AETL), Inc. of Burbank, California, a California State Water Resources Control Board-certified laboratory. All of the primary soil samples were analyzed as follows:

- Arsenic (USEPA Method SW 6020).
- Cadmium, lead, and nickel (USEPA Method SW 6010B).
- Hexavalent Chromium (USEPA Method SW 7196A).
- Mercury (USEPA Method SW 7140/7141).
- PAHs (USEPA Method SW8270C–SIM).
- OCPs (USEPA Method SW 8081).
- PCBs (USEPA Method SW 8082).
- SVOCs (USEPA Method SW8270C).
- Asbestos (polarized light microscopy).

The step out soil samples were analyzed for PCBs only, using USEPA Method SW 8082.

Copies of the AETL laboratory reports are provided in Attachment 2.

3.0 Results

The following subsections summarize the results of the soil sampling.

3.1 Soil Types

Surface material at the site consisted of approximately 3 to 6 inches of asphalt/concrete pavement. Soils encountered below the surface material were grey to dark grey, fine- to medium-grained silty sands with non-plastic fines (USCS Class SM).

3.2 Field Observations

No evidence of gross contamination, such as visibly stained soils or chemical odors, was observed during field work.

3.3 Analytical Results: Primary Borings

Analytical results for the primary borings are summarized in Table 1; a copy of the original laboratory report is provided in Attachment 2. The analytical results include the following:

- **Metals:** Arsenic, cadmium, lead, mercury, and nickel were all detected in 1 or more of the soil samples. Maximum detected concentrations include arsenic at 7.91 mg/kg, cadmium at 2.70 mg/kg, lead at 13.2 mg/kg, mercury at 0.422 mg/kg, and nickel at 12.3 mg/kg. Hexavalent chromium was not detected in any of the soil samples.
- **PAHs:** PAHs were detected in the 1-foot sample from boring #11. Compounds detected and their maximum concentrations include benzo(a)anthracene (28 J µg/kg), benzo(g,h,i)perylene (38 J µg/kg), benzo(a)pyrene (35.5 J µg/kg), chrysene (40.0 J µg/kg), fluoranthene (42.5 J µg/kg), ideno(1,2,3-c,d)pyrene (25.5 J µg/kg), and pyrene (70.5 µg/kg). PAHs were not detected in any of the other soil samples.
- **OCPs:** OCPs were detected in the 1-foot sample from boring #15. Compounds detected and their maximum concentrations include total chlordane (1.31 J µg/kg), 4,4'-DDE (3.13 µg/kg), 4,4'-DDT (7.42 µg/kg), dieldrin (1.20 J µg/kg), and endrin (1.39 J µg/kg). OCPs were not detected in any of the other soil samples.

- **PCBs:** PCBs were detected in the 1-foot samples from borings #10 and #12. Compounds detected and their maximum concentrations include Aroclor-1242 at 985 µg/kg in boring #10, and Aroclor-1254 at 2,984 µg/kg in boring #12. PCBs were not detected in any of the other soil samples.
- **SVOCs:** SVOCs were not detected in any of the soil samples.
- **Asbestos:** Asbestos was not detected in any of the analyzed soil samples.

3.4 Comparison with Regulatory Agency Screening Levels

The screening levels used for most contaminants in this investigation are the residential soil USEPA Region 9 Regional Screening Levels (USEPA, 2020). In cases where the DTSC risk assessment methodology differs from the USEPA, residential soil values from the DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment Note 3 (DTSC, 2020) are used. For arsenic, a screening level of 12 mg/kg is used, based on an evaluation of background concentrations in the Los Angeles basin (DTSC, undated). The screening levels relevant to this investigation are summarized in Table 1.

Review of Table 1 indicates the following:

- The detections of PCBs in the 1-foot samples from borings #10 and #12 were the only exceedances of relevant screening levels. All other detected compounds had concentrations below screening levels.
- Laboratory reporting limits for compounds that were not detected were all less than the relevant screening levels.

3.5 Analytical Results: Step Out Borings

Analytical results for the step out borings are summarized in Table 2; copies of the original laboratory reports are provided in Attachment 2. The analytical results are summarized below.

Boring #10 Area

Eight step-out borings were drilled around primary boring #10 to further characterize the extent of PCB impacts (Figure 2). Aroclor-1248 was detected in all of the samples analyzed, at concentrations ranging from 171 to 55,900 µg/kg; 15 of the 16 samples analyzed had Aroclor-1248 concentrations exceeding the screening level of 230 µg/kg. Aroclor-1254 was detected 13 of the 16 samples analyzed, at concentrations ranging from 77.1 to 5,600 µg/kg; 12 of the 16 samples had Aroclor-1254 concentrations exceeding the screening level of 240 µg/kg. One sample, 10A-N-18 inch, had Aroclor-1248 and Aroclor-1254 concentrations below their respective screening levels. When combined, however, these concentrations represent a cancer risk of 1.1×10^{-6} , which exceeds the point-of-departure of 10^{-6} . All of the remaining samples have PCB concentrations exceeding screening levels. The lateral extent of PCBs exceeding screening levels remains undefined.

Boring #12 Area

Six step-out borings were drilled around primary boring #12 to further characterize the extent of PCB impacts (Figure 2). Aroclor-1248 was detected in 8 of the 10 samples analyzed, at concentrations ranging from 70.0 to 3,580 µg/kg; 5 of the 10 samples analyzed had Aroclor-1248 concentrations exceeding the screening level of 230 µg/kg. Aroclor-1254 was detected in 8 of the 10 samples analyzed, at concentrations ranging from 21.8 to 564 µg/kg; 2 of the 10 samples had Aroclor-1254 concentrations exceeding the screening level of 240 µg/kg. Five of the 10 samples analyzed have PCB concentrations exceeding screening levels. The lateral extent of PCBs exceeding screening levels is defined to the west, but is not defined to the north and south.

4.0 Conclusions and Recommendations

The following sections summarize the conclusions and recommendations of the investigation.

4.1 Conclusions

The conclusions of this investigation are as follows:

- Soils in the vicinity of primary borings #10 and #12 at Bethune Middle School are “soils with toxic air contaminants” as defined by SCAQMD Rule 1466, due to the presence of PCBs at concentrations exceeding soil cleanup levels. Soils sampled in other areas of the site are not “soils with toxic air contaminants” for the purpose of SCAQMD Rule 1466.
- PCBs may be regulated under the Toxic Substances Control Act (TSCA), depending on the concentration of the source of PCBs, the date of release, the current PCB concentration in the materials, and whether the original source was authorized for use. The highest total PCB concentrations found at the site exceed 50 mg/kg, the minimum threshold for a waste to be considered a TSCA-regulated PCB remediation waste, regardless of the date of the release or other factors.

4.2 Recommendations

- Tetra Tech recommends performing SCAQMD Rule 1466 air monitoring during the excavation of sampling locations #10 and #12.
- TSCA regulations for PCB remediation waste characterization, cleanup, and disposal are highly proscriptive, and may require USEPA notification and oversight. Tetra Tech recommends that LAUSD review the available cleanup options for PCB remediation waste under 40 CFR §761.61 (self-implementing cleanup and disposal, performance-based disposal, and risk-based cleanup and disposal) and perform any required notifications to USEPA. A copy of 40 CFR §761.61 and other PCB cleanup guidance from USEPA is provided in Attachment C. We note that this process is time-consuming, and will likely impact the ADA compliance project schedule.
- USEPA requires the use of the Soxhlet extraction method for PCB analysis performed pursuant to a cleanup. Any further analysis of PCBs at the site should utilize the Soxhlet extraction method rather than the more common methanol extraction method.

5.0 References

DTSC, (Undated). Determination of a Southern California Regional Background Arsenic Concentration in Soil. <http://www.dtsc.ca.gov/upload/Background-Arsenic.pdf>.

DTSC (2020). HERO HHRA Note Number: 3, DTSC-modified Screening Levels (DTSC-SLs). June.

USEPA (2020). Regional Screening Levels (RSLs): <https://www.epa.gov/risk/regional-screening-levels-rsls>. May.

Table 1: Summary of Analytical Results: Primary Borings

Table 2: Summary of Analytical Results: Step-Out Borings

Figure 1: Boring Locations

Figure 2: Location #10 and #12 with Step-Outs

Attachments:

Attachment 1: Field Photos

Attachment 2: Laboratory Report

Attachment 3: 40 CFR §761.61 and USEPA PCB Cleanup Guidance

Table 1
Summary of Analytical Results: Primary Borings
SCAQMD Rule 1466 Soil Investigation

Boring ID:	#1		#2	#3	#4	#5		#6		#7	#8			#9	#10	#11	#12	#13	#14		#15	Screening Level	Screening Level Reference
Sample ID:	#1	#1 Dup	#2	#3	#4	#5 12 inch	#5 36 inch	#6 12 inch	#6 36 inch	#7	#8 12 inch	#8 36 inch	#8 36 inch dup	#9	#10	#11	#12	#13	#14 12 inch	#14 36 inch	#15		
Sample Depth (inches bgs):	12	12	12	12	12	12	36	12	36	12	12	36	36	12	12	12	12	12	12	36	12		
Date Sampled:	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20		
Metals (mg/kg)																							
Arsenic ¹	2.08	2.44	2.02	2.09	2.41	1.75	1.98	2.10	3.14	1.77	1.81	1.88	2.13	1.58	1.66	7.91	3.98	1.55	1.84	1.91	2.23	12	LAUSD
Cadmium ²	2.36 J	2.49 J	2.17 J	2.16 J	2.55	2.02 J	2.33 J	2.22 J	2.43 J	2.25 J	2.24 J	2.56	2.70	2.31 J	2.18 J	2.32 J	2.13 J	2.24 J	2.07 J	2.13 J	2.09 J	71	RSL
Hexavalent Chromium ³	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.3	DTSC
Lead ²	4.19 J	4.40 J	3.90 J	3.97 J	3.32 J	2.83 J	2.86 J	3.54 J	3.13 J	2.87 J	4.31 J	10.2	6.86	4.84 J	10.9	13.2	13.1	4.14 J	4.07 J	<2.5	4.12 J	80	DTSC
Mercury ⁹	<0.1	0.127 J	0.194 J	0.161 J	<0.1	0.178 J	<0.1	<0.1	0.422	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.106 J	<0.1	<0.1	<0.1	<0.1	1	DTSC
Nickel ²	10.5	11.1	9.25	9.67	10.3	7.95	8.81	9.01	9.06	9.36	9.57	9.56	10.1	7.98	8.45	8.58	12.3	8.27	7.41	7.76	7.83	820	DTSC
Polycyclic Aromatic Hydrocarbons ⁴ (µg/kg)																							
Acenaphthene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	3,300,000	DTSC
Acenaphthylene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	--	--
Anthracene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	17,000,000	DTSC
Benzo (a) anthracene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	28.0 J	<25	<25	<25	<25	<25	1,100	RSL
Benzo (b) fluoranthene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	1,100	RSL
Benzo (k) fluoranthene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	11,000	RSL
Benzo (g,h,i) perylene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	38.0 J	<25	<25	<25	<25	<25	--	--
Benzo (a) pyrene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	35.5 J	<25	<25	<25	<25	<25	110	RSL
Chrysene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	40.0 J	<25	<25	<25	<25	<25	110,000	RSL
Dibenz (a,h) anthracene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	28	DTSC
Fluoranthene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	42.5 J	<25	<25	<25	<25	<25	2,400,000	RSL
Fluorene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	2,300,000	DTSC
Indeno (1,2,3-c,d) pyrene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	25.5 J	<25	<25	<25	<25	<25	1,100	RSL
2-Methylnaphthalene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	--	--
Naphthalene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	2,000	DTSC
Phenanthrene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	--	--
Pyrene	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	70.5	<25	<25	<25	<25	<25	1,800,000	RSL
Organochlorine Pesticides ⁵ (µg/kg)																							
Aldrin	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	39	RSL
alpha-BHC	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	86	RSL
beta-BHC	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	300	RSL
delta-BHC	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
gamma-BHC (Lindane)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	570	RSL
Chlordane (total)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.31 J	1,700	RSL
alpha-Chlordane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
gamma-Chlordane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
4,4´-DDD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1,900	RSL
4,4´-DDE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3.13	2,000	RSL
4,4´-DDT	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	7.42	1,900	RSL
Dieldrin	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.20 J	34	RSL
Endosulfan I	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	450,000	DTSC
Endosulfan II	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	450,000	DTSC
Endosulfan sulfate	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	380,000	RSL
Endrin	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.39 J	19,000	RSL

Table 1
Summary of Analytical Results: Primary Borings
SCAQMD Rule 1466 Soil Investigation

Boring ID:	#1		#2	#3	#4	#5		#6		#7	#8			#9	#10	#11	#12	#13	#14		#15	Screening Level	Screening Level Reference
Sample ID:	#1	#1 Dup	#2	#3	#4	#5 12 inch	#5 36 inch	#6 12 inch	#6 36 inch	#7	#8 12 inch	#8 36 inch	#8 36 inch dup	#9	#10	#11	#12	#13	#14 12 inch	#14 36 inch	#15		
Sample Depth (inches bgs):	12	12	12	12	12	12	36	12	36	12	12	36	36	12	12	12	12	12	12	36	12		
Date Sampled:	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20		
Endrin aldehyde	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
Endrin ketone	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
Heptachlor	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	130	RSL
Heptachlor epoxide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	70	RSL
Methoxychlor	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	320,000	RSL
Toxaphene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	450	DTSC
Polychlorinated Biphenyls (µg/kg) ⁶																							
Aroclor-1016	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	4,100	RSL
Aroclor-1221	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	200	RSL
Aroclor-1232	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	170	RSL
Aroclor-1242	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	985	<20	<20	<20	<20	<20	<20	230	RSL
Aroclor-1248	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	230	RSL
Aroclor-1254	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	2,984	<20	<20	<20	<20	240	RSL
Aroclor-1260	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	240	RSL
Aroclor-1262	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	--	RSL
Aroclor-1268	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	--	RSL
Semivolatile Organic Compounds ⁷ (mg/kg)																							
Acenaphthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	3,300	DTSC
Acenaphthylene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	--
Anthracene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	17,000	DTSC
Azobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	5.6	RSL
Benzidine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.00024	DTSC
Benzo (a) anthracene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.1	RSL
Benzo (b) fluoranthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.1	RSL
Benzo (k) fluoranthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	11	RSL
Benzo (g,h,i) perylene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	--
Benzo (a) pyrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.11	RSL
Benzoic acid	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	250000	RSL
Benzyl alcohol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	6300	RSL
Bis(2-chloroethoxy)methane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	190	RSL
Bis(2-chloroethyl) ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.1	DTSC
bis(2chloroisopropyl) ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2000	DTSC
bis(2-ethylhexyl) phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	39	RSL
4-Bromophenyl phenyl ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	--
Butyl benzyl phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	290	RSL
4-Chloroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2.7	RSL
4-Chloro-3-methylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	6300	RSL
2-Chloronaphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	4100	DTSC
2-Chlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	340	--
4-Chlorophenyl phenyl ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	--
Chrysene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	110	RSL
Di-n-butyl phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	6,300	RSL

Table 1
Summary of Analytical Results: Primary Borings
SCAQMD Rule 1466 Soil Investigation

[illegible]

Table 1
Summary of Analytical Results: Primary Borings
SCAQMD Rule 1466 Soil Investigation

Boring ID:	#1		#2	#3	#4	#5		#6		#7	#8			#9	#10	#11	#12	#13	#14		#15	Screening Level	Screening Level Refer- ence
Sample ID:	#1	#1 Dup	#2	#3	#4	#5 12 inch	#5 36 inch	#6 12 inch	#6 36 inch	#7	#8 12 inch	#8 36 inch	#8 36 inch dup	#9	#10	#11	#12	#13	#14 12 inch	#14 36 inch	#15		
Sample Depth (inches bgs):	12	12	12	12	12	12	36	12	36	12	12	36	36	12	12	12	12	12	12	36	12		
Date Sampled:	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20	07/01/20		
1,2,4-Trichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	7.8	DTSC
2,4,5-Trichlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	6,300	RSL
2,4,6-Trichlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	7.8	DTSC
Asbestos ⁸																							
Asbestos	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--

Notes:
< indicates concentration is below the indicated laboratory method detection limit.
bold type indicates analyte detected.
J = estimated value
LAUSD: LAUSD background concentration.
DTSC: residential soil value from HERO HHRA Note 3, DTSC-Modified Screening Levels, dated June 2020.
RSL: residential soil value from USEPA Regional Screening Levels, dated May 2020.
ND: not detected.
1. Analyzed using USEPA Method SW 6020.
2. Analyzed using USEPA Method SW 6010B.
3. Analyzed using USEPA Method SW 7196A.
4. Analyzed using USEPA Method SW 8270C-SIM.
5. Analyzed using USEPA Method SW 8081A.
6. Analyzed using USEPA Method SW 8082.
7. Analyzed using USEPA Method SW 8270C.
8. Analyzed by polarized light microscopy (PLM).
9. Analyzed using USEPA Method SW 7471a

Table 2
Summary of Analytical Results: Step-Out Borings
SCAQMD Rule 1466 Soil Investigation

Primary Boring	Direction ²	Distance (feet)	Depth (inches)	Boring ID	Sample ID	Date Sampled	Polychlorinated Biphenyls (µg/kg) ¹										Total
							Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268		
							Screening Level ³ :										
							4100	200	170	230	230	240	240	--	--		
#10	E	5	12	10A-E	10A-E-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	11,300	2,130	<20.0	<20.0	<20.0	13,430	
			18		10A-E-Dupe1	08/01/20	<20.0	<20.0	<20.0	<20.0	16,500	3,310	<20.0	<20.0	<20.0	19,810	
		10	12	10B-E	10A-E-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	1,550	292	<20.0	<20.0	<20.0	1,842	
			18		10B-E-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	55,900	8,600	<20.0	<20.0	<20.0	64,500	
			18		10B-E-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	44,700	6,420	<20.0	<20.0	<20.0	51,120	
			18														
	N	5	12	10A-N	10A-N-12inch	08/01/20	<40.0	<40.0	<40.0	<40.0	10,700	<40.0	<40.0	<40.0	<40.0	10,700	
			18		10A-N-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	171	77.1	<20.0	<20.0	<20.0	248	
		10	12	10B-N	10B-N-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	2,320	366	<20.0	<20.0	<20.0	2,686	
	S	5	12	10A-S	10A-S-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	17,500	2,960	<20.0	<20.0	<20.0	20,460	
			18		10A-S-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	1,760	346	<20.0	<20.0	<20.0	2,106	
		10	12	10B-S	10B-S-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	3,570	661	<20.0	<20.0	<20.0	4,231	
			18		10B-S-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	4,140	970	<20.0	<20.0	<20.0	5,110	
	W	5	12	10A-W	10A-W-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	12,700	<20.0	<20.0	<20.0	<20.0	12,700	
			18		10A-W-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	2,120	<20.0	<20.0	<20.0	<20.0	2,120	
		10	12	10B-W	10B-W-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	3,060	582	<20.0	<20.0	<20.0	3,642	
			18		10B-W-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	11,500	1,300	<20.0	<20.0	<20.0	12,800	
	#12	N	5	12	12A-N	12A-N-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	792	263	<20.0	<20.0	<20.0	1,055
18				12A-N-18inch		08/01/20	<20.0	<20.0	<20.0	<20.0	94.4	21.8	<20.0	<20.0	<20.0	116	
10			12	12B-N	12A-N-Dupe2	08/01/20	<20.0	<20.0	<20.0	<20.0	70.0	25.4	<20.0	<20.0	<20.0	95.4	
			12		12B-N-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	1,100	199	<20.0	<20.0	<20.0	1,299	
S		5	12	12A-S	12A-S-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	3,580	564	<20.0	<20.0	<20.0	4,144	
			18		12A-S-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	
		10	12	12B-S	12B-S-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	667	119	<20.0	<20.0	<20.0	786	
			18		12B-S-Dupe3	08/01/20	<20.0	<20.0	<20.0	<20.0	964	143	<20.0	<20.0	<20.0	1,107	
W		5	12	12A-W	12A-W-12inch	08/01/20	<20.0	<20.0	<20.0	<20.0	172	31.4	<20.0	<20.0	<20.0	203	
			18		12A-W-18inch	08/01/20	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	

Notes:

< indicates concentration is below the indicated laboratory method detection limit.

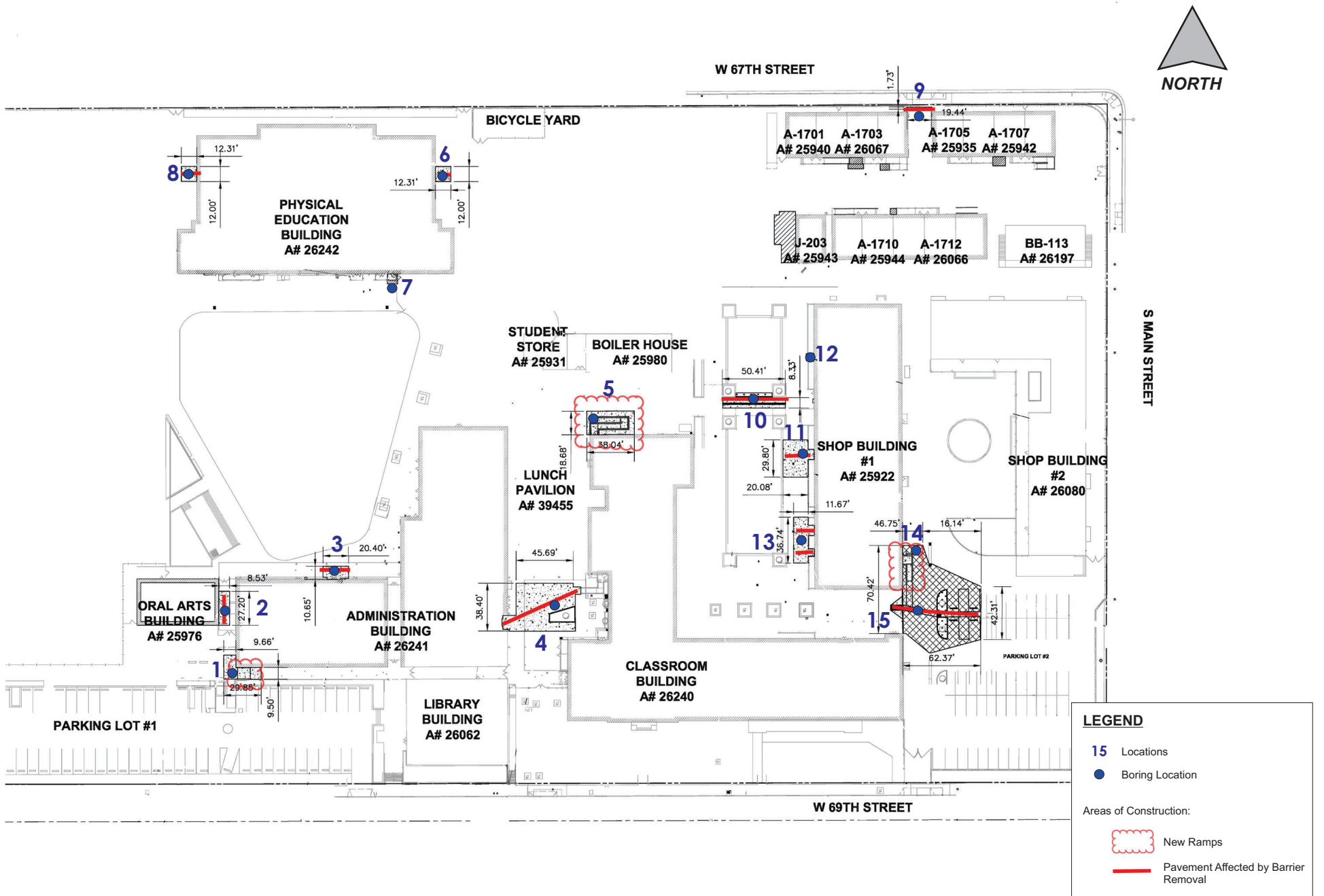
bold type indicates analyte detected.

ND: not detected.

1. Analyzed using USEPA Method SW 8082.

2. N=North; S=South; E=East; W=West

3. Screening level is USEPA Region 9 Regional Screening Level for residential land use.



PROGRAM MANAGER
E.N.

PREPARED BY:
B.D.

PROJECT MANAGER
M.F.

PREPARED FOR:



Los Angeles Unified School District
Office of Environmental Health and Safety
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017

FIGURE 1
BORING LOCATIONS
BETHUNE MIDDLE SCHOOL

PREPARED BY:

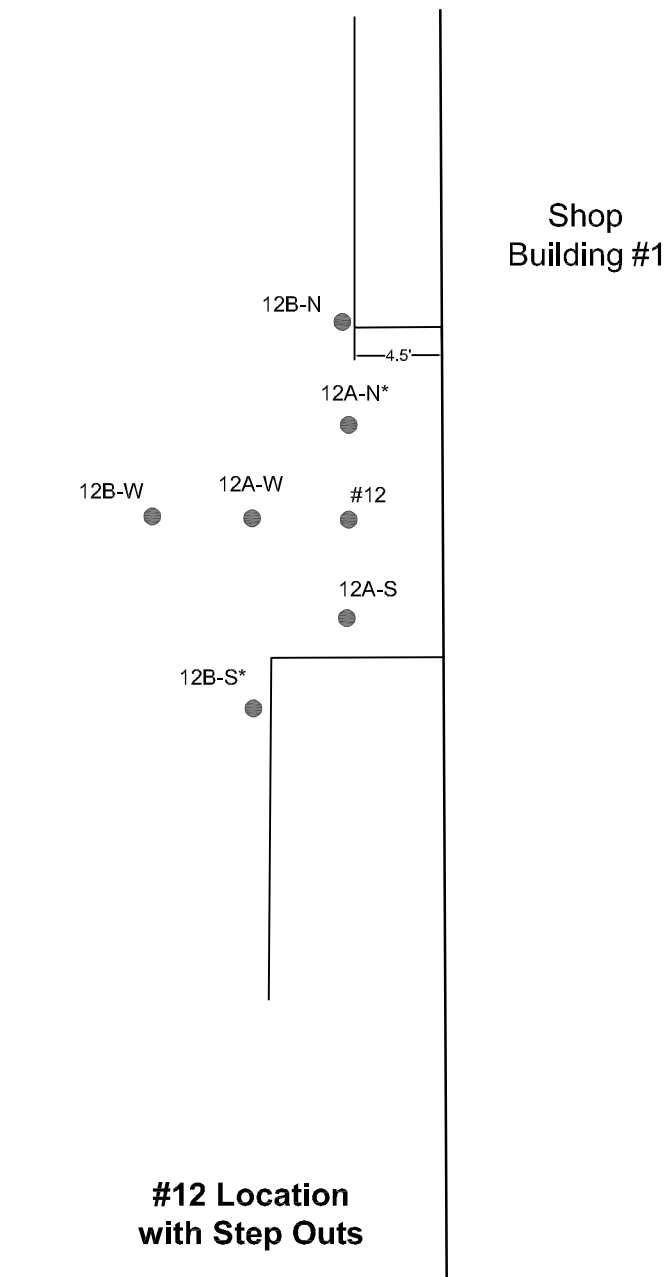
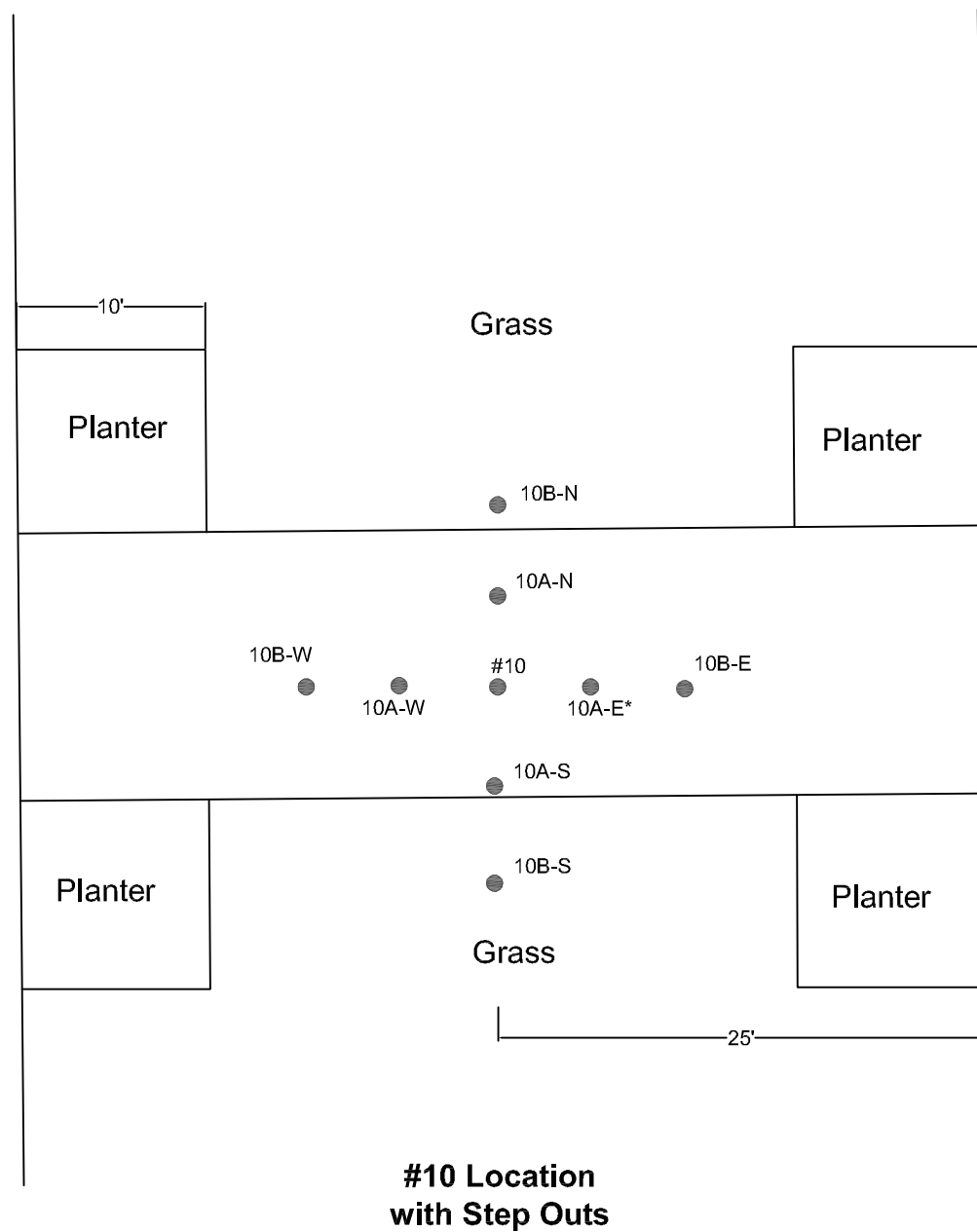


TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107

DATE
July 2020



SCALE
NOT TO SCALE

PROJECT NUMBER



Shop
Building #1

Note: * Location of duplicate sample

PROGRAM MANAGER:	E. N.	Prepared By:	 Tetra Tech 3475 East Foothill Blvd. Pasadena, California 91107	Prepared For:	 Los Angeles Unified School District 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017	FIGURE 2 Location #10 and #12 with Step Outs	DATE	August 2020
PREPARED BY:	B.D.						SCALE	1"=10'
PROJECT MANAGER:	M.F.						PROJECT NUMBER	

Attachment 1

Field Photos

Los Angeles Unified School District
Bethune Middle School



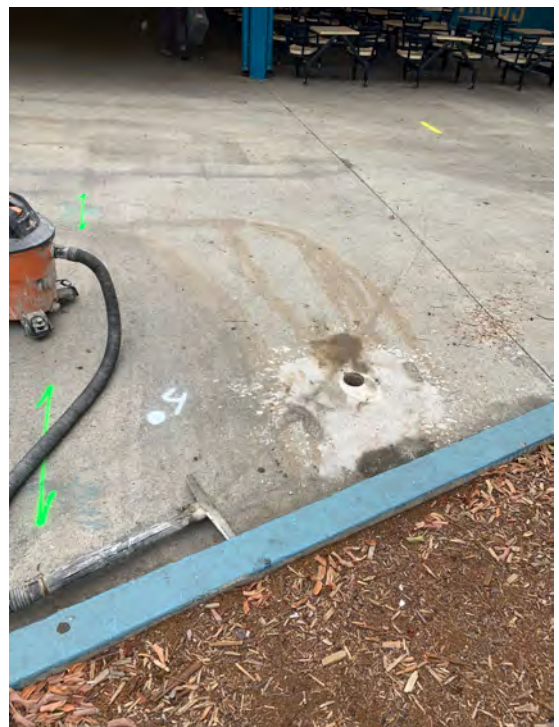
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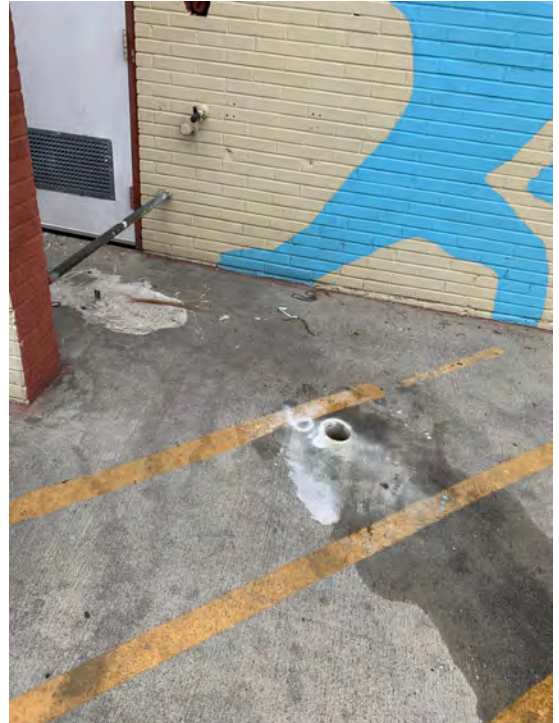


07/01/2020 08:43

**Los Angeles Unified School District
Bethune Middle School**



07/01/2020 09:06



07/01/2020 09:20



07/01/2020 09:42



07/01/2020 10:02

Los Angeles Unified School District
Bethune Middle School



07/01/2020 10:31



07/01/2020 10:57



07/01/2020 11:03



07/01/2020 11:05

**Los Angeles Unified School District
Bethune Middle School**



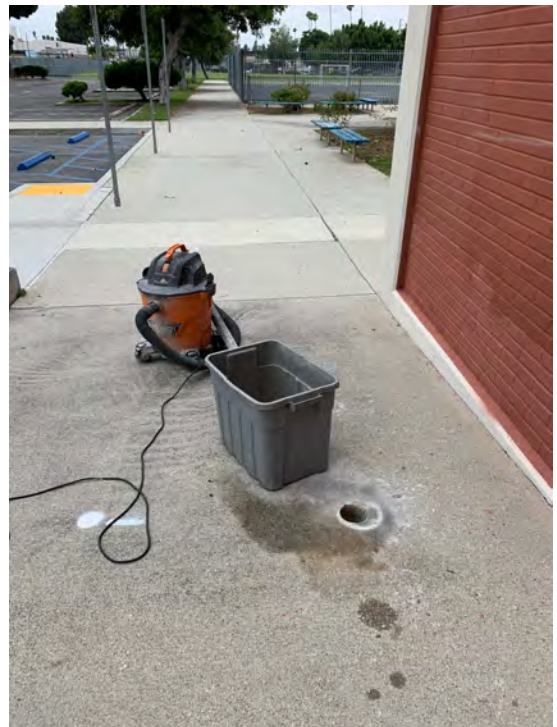
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07/01/2020 11:45



07/01/2020 12:21

**Los Angeles Unified School District
Bethune Middle School**



07/01/2020 12:51



07/01/2020 12:52

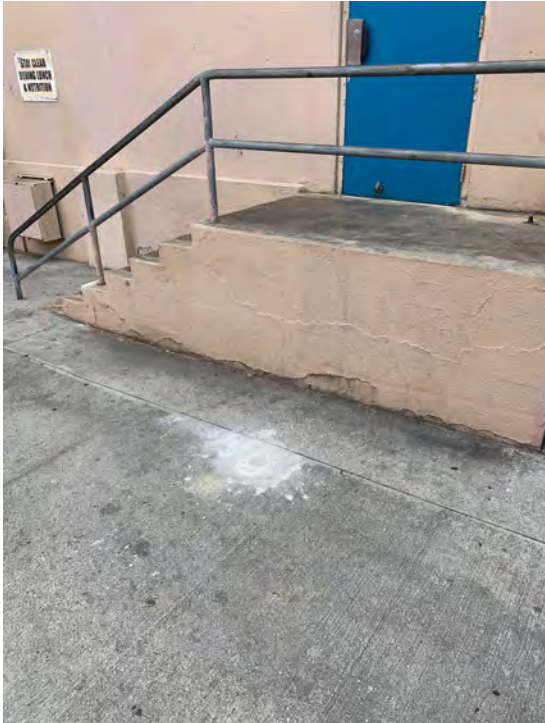


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07/01/2020 12:54

**Los Angeles Unified School District
Bethune Middle School**



07/01/2020 12:54



07/01/2020 12:55



07/01/2020 12:55



07/01/2020 12:55

Los Angeles Unified School District
Bethune Middle School



07/01/2020 12:56



07/01/2020 12:56



07/01/2020 12:56

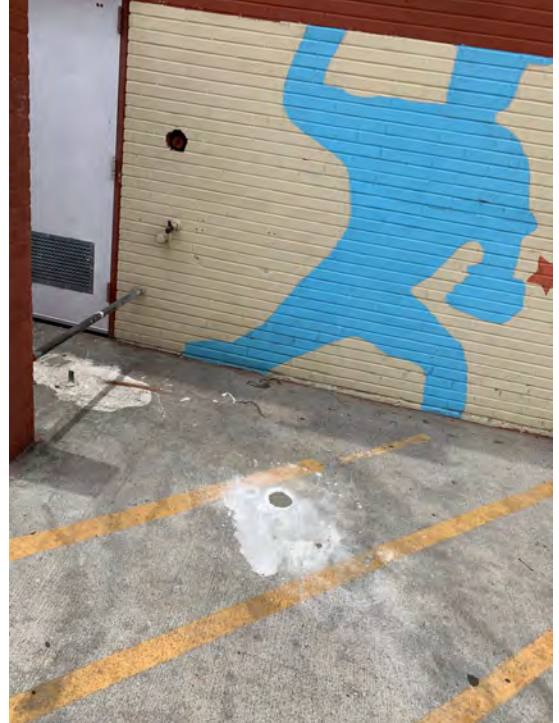


07/01/2020 12:58

**Los Angeles Unified School District
Bethune Middle School**



07/01/2020 12:59



07/01/2020 12:59



07/01/2020 13:00



07/01/2020 13:02

Los Angeles Unified School District
Bethune Middle School



08/01/2020 07:20



08/01/2020 07:20



08/01/2020 07:20



08/01/2020 07:20

**Los Angeles Unified School District
Bethune Middle School**



08/01/2020 07:20



08/01/2020 07:20



08/01/2020 07:57



08/01/2020 07:57

Los Angeles Unified School District
Bethune Middle School



08/01/2020 07:57



08/01/2020 10:15



08/01/2020 10:15



08/01/2020 10:22

**Los Angeles Unified School District
Bethune Middle School**



08/01/2020 10:22

Attachment 2

Laboratory Report



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

August 04, 2020

AETL Job No: BBH0002
Project Number: N/A
Received Date: 08/01/2020

Eric Nelson
Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

Project Name: Bethune MS 1466 LAUSD

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Christine Novshadayan
Project Manager

Approved By:

Jim Lin
Project Manager

Table of Contents

Client Project Name: Bethane Middle School (N/A)
Work Order Number: BBH0002

1 Cover Letter 1

2 Sample Condition on Receipt 3

3 Chain of Custody 4

4 Cooler Receipt Form 7

5 Case Narrative 8

6 Samples Received 9

7 Positive Hits Summary 12

8 Analytical Results 15

9 Quality Control Results 31

10 Qualifiers and Definitions 33



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

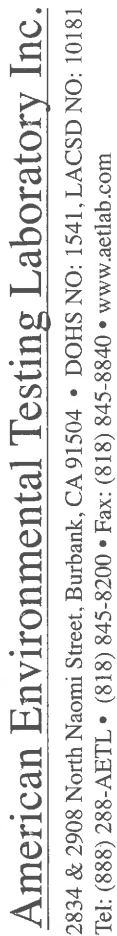
Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 3.2 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



CHAIN OF CUSTODY RECORD

No. 98058

AETL JOB No. BBH0002

Page 1 of 3

COMPANY		PROJECT MANAGER				
Petrotech		Eric Nelson				
COMPANY ADDRESS		PHONE				
3475 Foothill Blvd Pasadena CA		626-470-2341				
PROJECT NAME		PROJECT #				
Bethune MS 1466 LAUSD						
SITE NAME AND ADDRESS		PO #				
155 W 69th St Los Angeles CA						
Bethune MS						
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
10B-W-12-in-1	BBH0002-01	8/1/20	0730	S	1	
10B-W-18-in-1	BBH0002-02	8/1/20	0732	S	1	
10A-W-12-in-1	BBH0002-03	8/1/20	0733	S	1	
10A-W-18-in-1	BBH0002-04	8/1/20	0734	S	1	
10A-S-12-in-1	BBH0002-05	8/1/20	0736	S	1	
10A-S-18-in-1	BBH0002-06	8/1/20	0738	S	1	
10A-N-12-in-1	BBH0002-07	8/1/20	0743	S	1	
10A-N-18-in-1	BBH0002-08	8/1/20	0745	S	1	
10A-E-Dupel	BBH0002-09	8/1/20	-	S	1	
10A-E-12-in-1	BBH0002-10	8/1/20	0750	S	1	
10A-E-18-in-1	BBH0002-11	8/1/20	0752	S	1	
10B-E-12-in-1	BBH0002-12	8/1/20	0756	S	1	
10B-E-18-in-1	BBH0002-13	8/1/20	0758	S	1	
10B-N-12-in-1	BBH0002-14	8/1/20	0806	S	1	
10B-N-18-in-1	BBH0002-15	8/1/20	0808	S	1	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y/N/NA
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	Y/N/NA
RECEIVED IN GOOD COND.	Y/N	SAMPLES ACCEPTED	Y/N
TURN AROUND TIME		DATA DELIVERABLE REQUIRED	
<input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input checked="" type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS	<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)	

RELINQUISHED BY	SAMPLER:	Signature: <i>Eric Nelson</i>
Printed Name: Eric Nelson	Date: 8/1/2020	RECEIVED BY: <i>HA</i>
Signature: <i>Eric Nelson</i>	Printed Name: CHAD	Date: 8/1/2020

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

No 98059

AETL JOB No. BBH0002 Page 2 of 3

COMPANY	<u>Lebanon</u>	PROJECT MANAGER	<u>Eric Nelson</u>
COMPANY ADDRESS	<u>3425 East Foothill Blvd. Pasadena 4</u>	PHONE	<u>626-945-1443</u>
PROJECT NAME	<u>Bethune MS LNUOD</u>	FAX	
SITE NAME AND ADDRESS	<u>155 W 64th St. Los Angeles CA</u>	PROJECT #	
	<u>Bethune MS</u>		

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
10B-S-12-inch	BBH0002-16	8/1/20	0813	S	1	
10B-S-18-inch	BBH0002-17	8/1/20	0815	S	1	
12B-N-12-inch	BBH0002-18	8/1/20	0823	S	1	
12B-N-18-inch	BBH0002-19	8/1/20	0825	S	1	
12A-N-12-inch	BBH0002-20	8/1/20	0831	S	1	
12A-N-18-inch	BBH0002-21	8/1/20	0832	S	1	
12A-N-12-inch	BBH0002-22	8/1/20	—	S	1	
12A-S-12-inch	BBH0002-23	8/1/20	0840	S	1	
12A-S-18-inch	BBH0002-24	8/1/20	0842	S	1	
12A-W-12-inch	BBH0002-25	8/1/20	0850	S	1	
12A-W-18-inch	BBH0002-26	8/1/20	0852	S	1	
12B-W-12-inch	BBH0002-27	8/1/20	0855	S	1	
12B-W-18-inch	BBH0002-28	8/1/20	0857	S	1	
12B-S-12-inch	BBH0002-29	8/1/20	0902	S	1	
12B-S-18-inch	BBH0002-30	8/1/20	0904	S	1	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:	RELINQUISHED BY:
TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA	Signature: <u>Eric Nelson</u>	Signature: _____
CUSTODY SEALS	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA	SAMPLES INTACT	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA	Printed Name: <u>Eric Nelson</u>	Printed Name: _____
RECEIVED IN GOOD COND.	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA	SAMPLES ACCEPTED	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA	Date: <u>8/1/2020</u>	Date: _____
TURN AROUND TIME				RECEIVED BY: <u>AK:TX</u>	RECEIVED BY: _____
<input type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	Signature: <u>AMAN WARD</u>	Signature: _____
				Printed Name: <u>AMAN WARD</u>	Printed Name: _____
				Date: <u>8/1/2020</u>	Date: _____
				Time: <u>11:15</u>	Time: _____



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CHAIN OF CUSTODY RECORD

No 98060

AETL JOB No. **BBH0002** Page **3** of **3**

COMPANY	Letradtech	PROJECT MANAGER	Barry P. P. P.
COMPANY ADDRESS	3425 East Boothill Blvd Pasadena CA	PHONE	626-945-1493
PROJECT NAME	Refuse Mr L. P. 20	FAX	
SITE NAME AND ADDRESS	156 W 6th St Los Angeles	PROJECT #	
	Ref	PO #	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	12B-S0423	BBH0002-31	8/1/20	5	1	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
TOTAL NUMBER OF CONTAINERS	1	PROPERLY COOLER	Y/N/NA	Signature:	Signature:	Signature:
CUSTODY SEALS Y/N/NA	Y	SAMPLES INTACT	Y/N/NA	Printed Name:	Printed Name:	Printed Name:
RECEIVED IN GOOD COND. Y/N	Y	SAMPLES ACCEPTED	Y/N	Date:	Date:	Date:
TURN AROUND TIME				RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
<input type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	Signature:	Signature:	Signature:
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS	Printed Name:	Printed Name:	Printed Name:
		OTHER (PLEASE SPECIFY)		Date:	Date:	Date:

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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COOLER RECEIPT FORM

Client Name: TETRA TECH			
Project Name:			
AETL Job Number: BBH0002			
Date Received: 8/1/20		Received by: Chadney White	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input type="checkbox"/> Cooler (1) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: 32C , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	X		
2. Are the Sample labels legible?	X		
3. Do samples match the COC?	X		
4. Are the required analyses clear?	X		
5. Is there enough samples for required analysis?	X		
6. Are samples sealed with evidence tape?	N/A		
7. Are sample containers in good condition?	X		
8. Are samples preserved?	X		
9. Are samples preserved properly for the intended analysis?	X		
10. Are the VOAs free of headspace?	X		
11. Are the jars free of headspace?	N/A		
	N/A		

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

Explain all "No" answers for above questions:



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

No analytical non-conformances were encountered.
Qualifiers are noted in the report.



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Samples Received

AETL received the following samples on 08/01/2020 with the following specifications

Project Name: Bethune Middle School
Site: 155 W 69th Street
Los Angeles, CA 90003

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-03	10A-W-12inch	07/31/20 7:33	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-04	10A-W-18inch	07/31/20 7:34	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-05	10A-S-12inch	07/31/20 7:36	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-06	10A-S-18inch	07/31/20 7:38	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-07	10A-N-12inch	07/31/20 7:43	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-08	10A-N-18inch	07/31/20 7:45	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Samples Received (Continued)

AETL received the following samples on 08/01/2020 with the following specifications

Project Name: Bethune Middle School
Site: 155 W 69th Street
Los Angeles, CA 90003

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-09	10A-E-Dupe1	07/31/20 7:45	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-10	10A-E-12inch	07/31/20 7:50	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-11	10A-E-18inch	07/31/20 7:52	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-20	12A-N-12inch	07/31/20 8:31	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-21	12A-N-18inch	07/31/20 8:32	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-22	12A-N-Dupe2	07/31/20 8:32	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Samples Received (Continued)

AETL received the following samples on 08/01/2020 with the following specifications

Project Name: Bethune Middle School
Site: 155 W 69th Street
Los Angeles, CA 90003

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-23	12A-S-12inch	07/31/20 8:40	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-24	12A-S-18inch	07/31/20 8:42	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-25	12A-W-12inch	07/31/20 8:50	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-26	12A-W-18inch	07/31/20 8:52	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2

Total Number of Samples received: 16



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Positive Hits Summary

Lab ID	Client ID				
BBH0002-03	10A-W-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	12700		ug/kg	08/03/2020 20:23
BBH0002-04	10A-W-18inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	2120		ug/kg	08/03/2020 20:43
BBH0002-05	10A-S-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	17500		ug/kg	08/03/2020 21:03
EPA 8082	Aroclor-1254 (PCB-1254)	2960		ug/kg	08/03/2020 21:03
BBH0002-06	10A-S-18inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1760		ug/kg	08/03/2020 21:23
EPA 8082	Aroclor-1254 (PCB-1254)	346		ug/kg	08/03/2020 21:23
BBH0002-07	10A-N-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	10700		ug/kg	08/03/2020 22:02
BBH0002-08	10A-N-18inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	171		ug/kg	08/03/2020 22:22
EPA 8082	Aroclor-1254 (PCB-1254)	77.1		ug/kg	08/03/2020 22:22
BBH0002-09	10A-E-Dupe1	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	16500		ug/kg	08/03/2020 22:42
EPA 8082	Aroclor-1254 (PCB-1254)	3310		ug/kg	08/03/2020 22:42



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BBH0002 Project Number: N/A Project Manager: Eric Nelson Project Name: Bethane Middle School	Site: Bethune Middle School 155 W 69th Street Los Angeles, CA 90003 Reported: 08/04/2020 17:36
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Positive Hits Summary (Continued)

Lab ID	Client ID				
BBH0002-10	10A-E-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	11300		ug/kg	08/03/2020 23:01
EPA 8082	Aroclor-1254 (PCB-1254)	2130		ug/kg	08/03/2020 23:01
Lab ID	Client ID				
BBH0002-11	10A-E-18inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1550		ug/kg	08/03/2020 23:21
EPA 8082	Aroclor-1254 (PCB-1254)	292		ug/kg	08/03/2020 23:21
Lab ID	Client ID				
BBH0002-20	12A-N-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	792		ug/kg	08/03/2020 23:41
EPA 8082	Aroclor-1254 (PCB-1254)	263		ug/kg	08/03/2020 23:41
Lab ID	Client ID				
BBH0002-21	12A-N-18inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	94.4		ug/kg	08/04/2020 00:01
EPA 8082	Aroclor-1254 (PCB-1254)	21.8	J	ug/kg	08/04/2020 00:01
Lab ID	Client ID				
BBH0002-22	12A-N-Dupe2	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	70.0		ug/kg	08/04/2020 00:20
EPA 8082	Aroclor-1254 (PCB-1254)	25.4	J	ug/kg	08/04/2020 00:20
Lab ID	Client ID				
BBH0002-23	12A-S-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	3580		ug/kg	08/04/2020 00:40
EPA 8082	Aroclor-1254 (PCB-1254)	564		ug/kg	08/04/2020 00:40



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Positive Hits Summary (Continued)

Lab ID	Client ID	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	172		ug/kg	08/04/2020 01:19
EPA 8082	Aroclor-1254 (PCB-1254)	31.4	J	ug/kg	08/04/2020 01:19



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-W-12inch

Lab ID: BBH0002-03 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	12700		10	200	500	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:23	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 110%
Surrogate: Tetrachloro-m-xylene 108%

Acceptance Criteria

30-150

08/03/20 15:11 08/03/20 20:23 B0H0041 ATS 3550B
08/03/20 15:11 08/03/20 20:23 B0H0041 ATS 3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-W-18inch

Lab ID: BBH0002-04 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	2120		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 20:43	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

101%
114%

Acceptance Criteria

30-150
30-150

08/03/20 15:11
08/03/20 15:11

08/03/20 20:43
08/03/20 20:43

B0H0041
B0H0041

ATS
ATS

3550B
3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-S-12inch

Lab ID: BBH0002-05 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	17500		10	200	500	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	2960		10	200	500	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:03	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 111%
Surrogate: Tetrachloro-m-xylene 112%

Acceptance Criteria

30-150

08/03/20 15:11 08/03/20 21:03 B0H0041 ATS 3550B
08/03/20 15:11 08/03/20 21:03 B0H0041 ATS 3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-S-18inch

Lab ID: BBH0002-06 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	1760		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	346		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 21:23	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 104%
Surrogate: Tetrachloro-m-xylene 120%

Acceptance Criteria

30-150

08/03/20 15:11 08/03/20 21:23 B0H0041 ATS 3550B
08/03/20 15:11 08/03/20 21:23 B0H0041 ATS 3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-N-12inch

Lab ID: BBH0002-07 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		2	40.0	100	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		2	40.0	100	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		2	40.0	100	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		2	40.0	100	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	10700		10	200	500	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	ND		2	40.0	100	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		2	40.0	100	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		2	40.0	100	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		2	40.0	100	ug/kg	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	89.5%
Surrogate: Tetrachloro-m-xylene	111%

Acceptance Criteria

	30-150	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B
	30-150	08/03/20 15:11	08/03/20 22:02	B0H0041	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-N-18inch

Lab ID: BBH0002-08 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	171	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	77.1	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg	08/03/20	15:11	08/03/20	22:22	B0H0041	ATS	3550B
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	Recovery	Acceptance Criteria										
<i>Surrogate: Decachlorobiphenyl</i>	<i>102%</i>					08/03/20	15:11	<i>08/03/20</i>	<i>22:22</i>	B0H0041	<i>ATS</i>	3550B
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>111%</i>					08/03/20	15:11	<i>08/03/20</i>	<i>22:22</i>	B0H0041	<i>ATS</i>	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-E-Dupe1

Lab ID: BBH0002-09 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	16500		10	200	500	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	3310		10	200	500	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	102%
Surrogate: Tetrachloro-m-xylene	108%

Acceptance Criteria

	30-150	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B
	30-150	08/03/20 15:11	08/03/20 22:42	B0H0041	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-E-12inch

Lab ID: BBH0002-10 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	11300		10	200	500	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	2130		10	200	500	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:01	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

97.8%
117%

Acceptance Criteria

30-150
30-150

08/03/20 15:11
08/03/20 15:11

08/03/20 23:01
08/03/20 23:01

B0H0041
B0H0041

ATS
ATS

3550B
3550B



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 10A-E-18inch

Lab ID: BBH0002-11 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	1550		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	292		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:21	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 105%
Surrogate: Tetrachloro-m-xylene 114%

Acceptance Criteria

30-150

08/03/20 15:11 08/03/20 23:21 B0H0041 ATS 3550B
08/03/20 15:11 08/03/20 23:21 B0H0041 ATS 3550B



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 12A-N-12inch

Lab ID: BBH0002-20 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	792		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	263		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	106%
Surrogate: Tetrachloro-m-xylene	115%

Acceptance Criteria

	30-150	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B
	30-150	08/03/20 15:11	08/03/20 23:41	B0H0041	ATS	3550B



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Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 12A-N-18inch

Lab ID: BBH0002-21 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	94.4		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	21.8	J	1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
<hr/>											
	Recovery			Acceptance Criteria							
Surrogate: Decachlorobiphenyl	95.3%			30-150							
Surrogate: Tetrachloro-m-xylene	112%			30-150							
							08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B
							08/03/20 15:11	08/04/20 00:01	B0H0041	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 12A-N-Dupe2

Lab ID: BBH0002-22 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	70.0		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	25.4	J	1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	97.7%
Surrogate: Tetrachloro-m-xylene	114%

Acceptance Criteria

	30-150	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B
	30-150	08/03/20 15:11	08/04/20 00:20	B0H0041	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 12A-S-12inch

Lab ID: BBH0002-23 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	3580		5	100	250	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	564		5	100	250	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 00:40	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

98.4%
120%

Acceptance Criteria

30-150
30-150

08/03/20 15:11
08/03/20 15:11

08/04/20 00:40
08/04/20 00:40

B0H0041
B0H0041

ATS
ATS

3550B
3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 12A-S-18inch

Lab ID: BBH0002-24 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:00	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 99.9%
Surrogate: Tetrachloro-m-xylene 113%

Acceptance Criteria

30-150

08/03/20 15:11 08/04/20 01:00 B0H0041 ATS 3550B
08/03/20 15:11 08/04/20 01:00 B0H0041 ATS 3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Analytical Results

Client ID: 12A-W-12inch

Lab ID: BBH0002-25 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	172		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	31.4	J	1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	115%
Surrogate: Tetrachloro-m-xylene	127%

Acceptance Criteria

30-150	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B
30-150	08/03/20 15:11	08/04/20 01:19	B0H0041	ATS	3550B



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BBH0002 Project Number: N/A Project Manager: Eric Nelson Project Name: Bethane Middle School	Site: Bethune Middle School 155 W 69th Street Los Angeles, CA 90003 Reported: 08/04/2020 17:36
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Analytical Results

Client ID: 12A-W-18inch

Lab ID: BBH0002-26 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	107%						08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B
Surrogate: Tetrachloro-m-xylene	130%						08/03/20 15:11	08/04/20 01:59	B0H0041	ATS	3550B

Acceptance Criteria

							30-150				
							30-150				



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B0H0041 - 3550B					Prepared: 08/03/2020 15:11						
Method Blank (B0H0041-BLK1)					Analyzed: 08/03/2020 20:03						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg							
Surrogate: Decachlorobiphenyl	21.1			ug/kg	25.0000		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	20.9			ug/kg	25.0000		83.4	30-150			



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BBH0002 Project Number: N/A Project Manager: Eric Nelson Project Name: Bethane Middle School	Site: Bethune Middle School 155 W 69th Street Los Angeles, CA 90003 Reported: 08/04/2020 17:36
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Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B0H0041 - 3550B (Continued)					Prepared: 08/03/2020 15:11						
LCS (B0H0041-BS1)					Analyzed: 08/03/2020 18:44						
Aroclor-1016 (PCB-1016)	579	20.0	50.0	ug/kg	500.000		116	50-150			
Aroclor-1260 (PCB-1260)	549	20.0	50.0	ug/kg	500.000		110	50-150			
Surrogate: Decachlorobiphenyl	17.0			ug/kg	25.0000		67.8	30-150			
Surrogate: Tetrachloro-m-xylene	19.2			ug/kg	25.0000		76.9	30-150			
LCSD (B0H0041-BSD1)					Analyzed: 08/03/2020 19:04						
Aroclor-1016 (PCB-1016)	592	20.0	50.0	ug/kg	500.000		118	50-150	2.26	40	
Aroclor-1260 (PCB-1260)	568	20.0	50.0	ug/kg	500.000		114	50-150	3.39	40	
Surrogate: Decachlorobiphenyl	17.9			ug/kg	25.0000		71.5	30-150			
Surrogate: Tetrachloro-m-xylene	23.7			ug/kg	25.0000		94.7	30-150			
Matrix Spike (B0H0041-MS1)					Source: BBH0002-03		Analyzed: 08/03/2020 19:24				
Aroclor-1016 (PCB-1016)	6630	20.0	50.0	ug/kg	500.000	ND	NR	50-150			M
Aroclor-1260 (PCB-1260)	1600	20.0	50.0	ug/kg	500.000	ND	321	50-150			M
Surrogate: Decachlorobiphenyl	23.1			ug/kg	25.0000		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	24.8			ug/kg	25.0000		99.1	30-150			
Matrix Spike Dup (B0H0041-MSD1)					Source: BBH0002-03		Analyzed: 08/03/2020 19:44				
Aroclor-1016 (PCB-1016)	6910	20.0	50.0	ug/kg	500.000	ND	NR	50-150	4.13	40	M
Aroclor-1260 (PCB-1260)	1230	20.0	50.0	ug/kg	500.000	ND	245	50-150	26.8	40	M
Surrogate: Decachlorobiphenyl	17.0			ug/kg	25.0000		68.1	30-150			
Surrogate: Tetrachloro-m-xylene	20.7			ug/kg	25.0000		82.9	30-150			



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Tetra Tech, Inc.	AETL Job Number: BBH0002	Site: Bethune Middle School
3475 East Foothill Boulevard	Project Number: N/A	155 W 69th Street
Pasadena, CA 91107	Project Manager: Eric Nelson	Los Angeles, CA 90003
	Project Name: Bethane Middle School	Reported: 08/04/2020 17:36

Qualifiers and Definitions

Item	Qualifiers
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
M	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference. Laboratory Control Samples(LCS/LCSD) recovery were acceptable.

Item	Definitions
%REC	Percent Recovery
°C	Degrees Celsius
AETL	American Environmental Testing Laboratory, LLC
CARB	California Air Resources Board
COC	Chain of Custody
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
HC	Hydrocarbon
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
OSHA	Occupational Safety and Health Administration
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
TPH	Total Petroleum Hydrocarbons



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/04/2020 17:36

ug/kg Micrograms per Kilogram
ug/L Micrograms per Liter
ug/m3 Micrograms per cubic meter
Y Yes



AMERICAN ENVIRONMENTAL TESTING LABORATORY

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August 10, 2020

AETL Job No: BBH0002
Project Number: N/A
Received Date: 08/01/2020

Eric Nelson
Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

Project Name: Bethune MS 1466 LAUSD

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Christine Novshadayan
Project Manager

Approved By:

Jim Lin
Project Manager

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Client Project Name: Bethane Middle School (N/A)
Work Order Number: BBH0002

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 3.2 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD

No 98058

AETL JOB No. BBH0002

Page 1 of 3

COMPANY		PROJECT MANAGER		PHONE		FAX		PROJECT #							
Petrotech		Eric Nelson		626-470-2341											
COMPANY ADDRESS		3475 Foothill Blvd Pasadena CA													
PROJECT NAME		Bethune MS 1466 LAUSD													
SITE NAME AND ADDRESS		155 W 64th St Los Angeles CA													
PO #		Bethune MS													
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED			TEST INSTRUCTIONS & COMMENTS					
10B-W-12-inch	BBH0002-01	8/1/20	0730	S	1							Eric J. Nelson			
10B-W-18-inch	BBH0002-02	8/1/20	0732	S	1							Hold			
10A-W-12-inch	BBH0002-03	8/1/20	0733	S	1							Hold			
10A-W-18-inch	BBH0002-04	8/1/20	0734	S	1										
10A-S-12-inch	BBH0002-05	8/1/20	0736	S	1										
10A-S-18-inch	BBH0002-06	8/1/20	0738	S	1										
10A-N-12-inch	BBH0002-07	8/1/20	0743	S	1										
10A-N-18-inch	BBH0002-08	8/1/20	0745	S	1										
10A-E-Dupel	BBH0002-09	8/1/20	—	S	1										
10A-E-12-inch	BBH0002-10	8/1/20	0750	S	1										
10A-E-18-inch	BBH0002-11	8/1/20	0752	S	1										
10B-E-12-inch	BBH0002-12	8/1/20	0756	S	1							Hold			
10B-E-18-inch	BBH0002-13	8/1/20	0758	S	1							Hold			
10B-N-12-inch	BBH0002-14	8/1/20	0806	S	1							Hold			
10B-N-18-inch	BBH0002-15	8/1/20	0808	S	1							Hold			
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY															
TOTAL NUMBER OF CONTAINERS		15		PROPERLY COOLED		Y/N/NA		RELINQUISHED BY SAMPLER:		1.		RELINQUISHED BY:		3.	
CUSTODY SEALS		Y(N)/NA		SAMPLES INTACT		Y(N)/NA		Signature: Eric Nelson		Printed Name: Eric Nelson		Signature:		Printed Name:	
RECEIVED IN GOOD COND.		Y(N)		SAMPLES ACCEPTED		Y(N)		Date: 8/1/2020		Time: 11:15		Date:		Time:	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		HARD COPY		PDF		RECEIVED BY:		1.		RECEIVED BY:		3.	
NORMAL		RUSH		SAME DAY		NEXT DAY		Signature: CHAD WHITE		Printed Name: CHAD WHITE		Signature:		Printed Name:	
				2 DAYS		3 DAYS		Date: 8/1/2020		Time: 11:15		Date:		Time:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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CHAIN OF CUSTODY RECORD

No 98059

AETL JOB No. BBH0002 Page 2 of 3

COMPANY	Project Manager
COMPANY ADDRESS	PHONE 626-945-1443
PROJECT NAME	FAX
SITE NAME AND ADDRESS	PROJECT #
155 W 64th St Los Angeles CA	
Bethune MS	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
10B-S-12-inch	BBH0002-16	8/1/20	0813	S	1	
10B-S-18-inch	BBH0002-17	8/1/20	0815	S	1	
12B-N-12-inch	BBH0002-18	8/1/20	0823	S	1	
12B-N-18-inch	BBH0002-19	8/1/20	0825	S	1	
12A-N-12-inch	BBH0002-20	8/1/20	0831	S	1	
12A-N-18-inch	BBH0002-21	8/1/20	0832	S	1	
12A-N-12-inch	BBH0002-22	8/1/20	—	S	1	
12A-S-12-inch	BBH0002-23	8/1/20	0840	S	1	
12A-S-18-inch	BBH0002-24	8/1/20	0842	S	1	
12A-W-12-inch	BBH0002-25	8/1/20	0850	S	1	
12A-W-18-inch	BBH0002-26	8/1/20	0852	S	1	
12B-W-12-inch	BBH0002-27	8/1/20	0855	S	1	
12B-W-18-inch	BBH0002-28	8/1/20	0857	S	1	
12B-S-12-inch	BBH0002-29	8/1/20	0902	S	1	
12B-S-18-inch	BBH0002-30	8/1/20	0904	S	1	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER				RELINQUISHED BY			
TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y/N/NA	Signature	Printed Name	Date	Time	Signature	Printed Name	Date	Time
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	Y/N/NA	Signature	Printed Name	Date	Time	Signature	Printed Name	Date	Time
RECEIVED IN GOOD COND.	Y/N	SAMPLES ACCEPTED	Y/N	Signature	Printed Name	Date	Time	Signature	Printed Name	Date	Time
TURN AROUND TIME				DATA DELIVERABLE REQUIRED				RECEIVED BY LABORATORY			
<input type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> HARD COPY	<input type="checkbox"/> PDF	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	<input type="checkbox"/> OTHER (PLEASE SPECIFY)	Signature	Printed Name	Date	Time
								Signature	Printed Name	Date	Time

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CHAIN OF CUSTODY RECORD

No 98060

AETL JOB No. **BBH0002** Page **3** of **3**

COMPANY		PROJECT MANAGER				
3425 East Boothill Blvd Pasadena CA		B. White				
PROJECT NAME		PROJECT #				
SITE NAME AND ADDRESS		PO #				
156 W 6th St Los Angeles						
Beck						
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
12B-S0423	BBH000231	8/1/20	~	S	1	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY			
TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED	Y/N/NA	RECEIVED BY: 1.
1	<input checked="" type="checkbox"/>	Y	Signature: <i>[Signature]</i>
CUSTODY SEALS	Y/N/NA	Y/N/NA	Printed Name: <i>[Name]</i>
RECEIVED IN GOOD COND.	Y/N	Y/N	Date: 8/1/2020 Time: 11:15
DATA DELIVERABLE REQUIRED			
<input type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> PDF
		<input checked="" type="checkbox"/> 2 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)
		<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)

RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
Signature:	Printed Name:	Signature:	Printed Name:	Signature:	Printed Name:
<i>[Signature]</i>	<i>[Name]</i>	<i>[Signature]</i>	<i>[Name]</i>	<i>[Signature]</i>	<i>[Name]</i>
Date: 8/1/2020	Time: 11:15	Date: 8/1/2020	Time: 11:15	Date: 8/1/2020	Time: 11:15

TEST INSTRUCTIONS & COMMENTS

Hold

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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COOLER RECEIPT FORM

Client Name: <u>TETRA TECH</u>			
Project Name:			
AETL Job Number: <u>BBH0002</u>			
Date Received: <u>8/1/20</u>		Received by: <u>Chadney White</u>	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>32C</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	X		
2. Are the Sample labels legible?	X		
3. Do samples match the COC?	X		
4. Are the required analyses clear?	X		
5. Is there enough samples for required analysis?	X		
6. Are samples sealed with evidence tape?	N/A		
7. Are sample containers in good condition?	X		
8. Are samples preserved?	X		
9. Are samples preserved properly for the intended analysis?	X		
10. Are the VOAs free of headspace?	X		
11. Are the jars free of headspace?	N/A		
	N/A		

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

Explain all "No" answers for above questions:



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CHAIN OF CUSTODY RECORD

No 98058

COMPANY: <u>Petrotech</u>		PROJECT MANAGER: <u>Eric Nelson</u>		AETL JOB No. <u>BBH0002</u>		Page <u>1</u> of <u>3</u>	
COMPANY ADDRESS: <u>3475 Foothill Blvd, Pasadena, CA</u>				PHONE: <u>626-470-2341</u>		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME: <u>Bethune MS 1466 LAUSD</u>				PROJECT #		ANALYSIS REQUESTED	
SITE NAME AND ADDRESS: <u>155 W 64th St, Los Angeles, CA</u>				PO #		TEST INSTRUCTIONS & COMMENTS	
SAMPLE ID	LAB ID	DATE	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TEST INSTRUCTIONS & COMMENTS	
10B-W-12-inch	BBH0002-01	8/1/20	S	1		Eric J. Nelson Tide Tech. Env	
10B-W-18-inch	BBH0002-02	8/1/20	S	1		Hold	
10A-W-12-inch	BBH0002-03	8/1/20	S	1		Hold	
10A-W-18-inch	BBH0002-04	8/1/20	S	1		Hold	
10A-S-12-inch	BBH0002-05	8/1/20	S	1		Hold	
10A-S-18-inch	BBH0002-06	8/1/20	S	1		Hold	
10A-N-12-inch	BBH0002-07	8/1/20	S	1		Hold	
10A-N-18-inch	BBH0002-08	8/1/20	S	1		Hold	
10A-EDupel	BBH0002-09	8/1/20	S	1		Hold	
10A-E-12-inch	BBH0002-10	8/1/20	S	1		Hold	
10A-E-18-inch	BBH0002-11	8/1/20	S	1		Hold	
10B-E-12-inch	BBH0002-12	8/1/20	S	1		Hold	
10B-E-18-inch	BBH0002-13	8/1/20	S	1		Hold	
10B-N-12-inch	BBH0002-14	8/1/20	S	1		Hold	
10B-N-18-inch	BBH0002-15	8/1/20	S	1		Hold	
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY						RELINQUISHED BY: 1. 2. 3.	
TOTAL NUMBER OF CONTAINERS: <u>15</u>		PROPERLY COOLED: <u>Y</u> / N / NA		SIGNATURE: <u>Eric Nelson</u>		Signature: _____	
CUSTODY SEALS: <u>Y</u> / N / NA		SAMPLES INTACT: <u>Y</u> / N / NA		Printed Name: _____		Printed Name: _____	
RECEIVED IN GOOD COND. <u>Y</u> / N		SAMPLES ACCEPTED: <u>Y</u> / N		Date: <u>8/1/2020</u>		Date: _____	
TURN AROUND TIME				RECEIVED BY: 1. 2. 3.			
NORMAL <input type="checkbox"/> RUSH <input checked="" type="checkbox"/>				Signature: _____			
SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2-3 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/>				Printed Name: _____			
DATA DELIVERABLE REQUIRED				Date: <u>8/1/2020</u>			
HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY) _____				Signature: _____			
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator				Printed Name: <u>CHAD WHITE</u>			
				Date: <u>8/1/2020</u>			



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CHAIN OF CUSTODY RECORD

Nº 98059

COMPANY		PROJECT MANAGER		AETL JOB No.		Page	
Company Address		Phone		No.		2 of 3	
3425 East Foothill Blvd. Pasadena 4		626-945-1443		BBH0002			
PROJECT NAME		PROJECT #		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
SITE NAME AND ADDRESS		PO #					
155 W 64th St. Los Angeles CA							
Bethune MS							
LAB ID		DATE		TIME		PRES.	
10B-S-12-mch		8/1/20		0813		1	
10B-S-18-mch		8/1/20		0815		1	
12B-N-12-mch		8/1/20		0823		1	
12B-N-8-mch		8/1/20		0825		1	
12A-N-12-mch		8/1/20		0831		1	
12A-N-8-mch		8/1/20		0832		1	
12A-N-12-mch		8/1/20		—		1	
12A-S-12-mch		8/1/20		0840		1	
12A-S-18-mch		8/1/20		0842		1	
12A-W-12-mch		8/1/20		0850		1	
12A-W-18-mch		8/1/20		0852		1	
12B-W-12-mch		8/1/20		0855		1	
12B-W-18-mch		8/1/20		0857		1	
12B-S-12-mch		8/1/20		0902		1	
12B-S-18-mch		8/1/20		0904		1	
TOTAL NUMBER OF CONTAINERS		15		PROPERLY COOLED		Y/N/NA	
CUSTODY SEALS		Y/N/NA		SAMPLES INTACT		Y/N/NA	
RECEIVED IN GOOD COND.		Y/N		SAMPLES ACCEPTED		Y/N	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		RECEIVED BY:	
NORMAL		SAME DAY		Signature:		Signature:	
RUSH		NEXT DAY		Printed Name:		Printed Name:	
2 DAYS		2 DAYS		Date:		Date:	
3 DAYS		3 DAYS		Time:		Time:	
HARD COPY		HARD COPY		Signature:		Signature:	
PDF		PDF		Printed Name:		Printed Name:	
GEOTRACKER (GLOBAL ID)		GEOTRACKER (GLOBAL ID)		Date:		Date:	
OTHER (PLEASE SPECIFY)		OTHER (PLEASE SPECIFY)		Time:		Time:	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator							



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Page 10 of 30

Jim Lin

From: Nelson, Eric J <EricJ.Nelson@tetrattech.com>
Sent: Wednesday, August 5, 2020 11:01 AM
To: Jim Lin; Joe Sevrean; Christine Novshadayan
Cc: Feldman, Mark
Subject: RE: Results of analysis (In Summary Table & PDF Formats) of samples from "Bethune Middle School, Los Angeles, CA" for sample received 08-01-2020

Jim,

Thank you for the quick TAT. Please run all the remaining samples on hold for PCBs by 8082 **EXCEPT:**

12B-W-12 inch
12B-W-18 inch
12B-N-18 inch
12B-S-18 inch.
10B-N-18 inch

Please note that the samples are still on a 2-day TAT.

Thank you,

Eric Nelson | Project Geologist
Direct: 626.470.2391 | Main: 626.351.4664 | Cell: 626.945.1443
Eric.J.Nelson@tetrattech.com



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From: Jim Lin <jiml@aetlab.com>
Sent: Tuesday, August 4, 2020 5:44 PM
To: Nelson, Eric J <EricJ.Nelson@tetrattech.com>
Cc: Feldman, Mark <mark.feldman@tetrattech.com>
Subject: Results of analysis (In Summary Table & PDF Formats) of samples from "Bethune Middle School, Los Angeles, CA" for sample received 08-01-2020

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Dear Eric,

Herewith please find Results of analysis (In Summary Table & PDF Formats) of samples from "Bethune Middle School, Los Angeles, CA".

AETL Job No: BBH0002

If you have any questions, please call me at 888-288-AETL.



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

No analytical non-conformances were encountered.
Qualifiers are noted in the report.



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Samples Received

AETL received the following samples on 08/01/2020 with the following specifications

Project Name: Bethune Middle School
Site: 155 W 69th Street
Los Angeles, CA 90003

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-01	10B-W-12inch	08/1/20 7:30	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-02	10B-W-18inch	08/1/20 7:32	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-12	10B-E-12inch	08/1/20 7:56	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-13	10B-E-18inch	08/1/20 7:58	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-14	10B-N-12inch	08/1/20 8:06	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-16	10B-S-12inch	08/1/20 8:13	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2



AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Samples Received (Continued)

AETL received the following samples on 08/01/2020 with the following specifications

Project Name: Bethune Middle School
Site: 155 W 69th Street
Los Angeles, CA 90003

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-17	10B-S-18inch	08/1/20 8:15	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-18	12B-N-12inch	08/1/20 8:23	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-29	12B-S-12inch	08/1/20 9:02	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0002-31	12B-S-Dupe3	08/1/20 9:04	Soil	1
Analysis			Units	TAT
EPA 8082			ug/kg	2

Total Number of Samples received: 10



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Positive Hits Summary

Lab ID	Client ID				
BBH0002-01	10B-W-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	3060		ug/kg	08/05/2020 20:28
EPA 8082	Aroclor-1254 (PCB-1254)	582		ug/kg	08/05/2020 20:28
BBH0002-02	10B-W-18inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	11500		ug/kg	08/05/2020 20:48
EPA 8082	Aroclor-1254 (PCB-1254)	1300		ug/kg	08/05/2020 20:48
BBH0002-12	10B-E-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	55900		ug/kg	08/05/2020 21:27
EPA 8082	Aroclor-1254 (PCB-1254)	8600		ug/kg	08/05/2020 21:27
BBH0002-13	10B-E-18inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	44700		ug/kg	08/05/2020 21:47
EPA 8082	Aroclor-1254 (PCB-1254)	6420		ug/kg	08/05/2020 21:47
BBH0002-14	10B-N-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	2320		ug/kg	08/05/2020 22:07
EPA 8082	Aroclor-1254 (PCB-1254)	366		ug/kg	08/05/2020 22:07
BBH0002-16	10B-S-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	3570		ug/kg	08/05/2020 22:26
EPA 8082	Aroclor-1254 (PCB-1254)	661		ug/kg	08/05/2020 22:26



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Positive Hits Summary (Continued)

Lab ID	Client ID				
BBH0002-17	10B-S-18inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4140		ug/kg	08/05/2020 22:46
EPA 8082	Aroclor-1254 (PCB-1254)	970		ug/kg	08/05/2020 22:46
Lab ID	Client ID				
BBH0002-18	12B-N-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1100		ug/kg	08/05/2020 23:06
EPA 8082	Aroclor-1254 (PCB-1254)	199		ug/kg	08/05/2020 23:06
Lab ID	Client ID				
BBH0002-29	12B-S-12inch	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	667		ug/kg	08/05/2020 23:26
EPA 8082	Aroclor-1254 (PCB-1254)	119		ug/kg	08/05/2020 23:26
Lab ID	Client ID				
BBH0002-31	12B-S-Dupe3	Received: 08/01/2020 11:15			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	964		ug/kg	08/05/2020 23:45
EPA 8082	Aroclor-1254 (PCB-1254)	143		ug/kg	08/05/2020 23:45



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 10B-W-12inch

Lab ID: BBH0002-01 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	3060		2	40.0	100	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	582		2	40.0	100	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:28	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 102%
Surrogate: Tetrachloro-m-xylene 138%

Acceptance Criteria

30-150

08/05/20 11:05 08/05/20 20:28 B0H0093 ATS 3550B
08/05/20 11:05 08/05/20 20:28 B0H0093 ATS 3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 10B-W-18inch

Lab ID: BBH0002-02 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	11500		5	100	250	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	1300		5	100	250	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	89.9%
Surrogate: Tetrachloro-m-xylene	132%

Acceptance Criteria

	30-150	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B
	30-150	08/05/20 11:05	08/05/20 20:48	B0H0093	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 10B-E-12inch

Lab ID: BBH0002-12 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	55900		50	1000	2500	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	8600		50	1000	2500	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:27	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 109%
Surrogate: Tetrachloro-m-xylene 147%

Acceptance Criteria

30-150 08/05/20 11:05 08/05/20 21:27 B0H0093 ATS 3550B
30-150 08/05/20 11:05 08/05/20 21:27 B0H0093 ATS 3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 10B-E-18inch

Lab ID: BBH0002-13 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	44700		20	400	1000	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	6420		20	400	1000	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 21:47	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 118%
Surrogate: Tetrachloro-m-xylene 149%

Acceptance Criteria

30-150

08/05/20 11:05 08/05/20 21:47 B0H0093 ATS 3550B
08/05/20 11:05 08/05/20 21:47 B0H0093 ATS 3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 10B-N-12inch

Lab ID: BBH0002-14 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	2320		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	366		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	122%
Surrogate: Tetrachloro-m-xylene	178% S6

Acceptance Criteria

30-150	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B
30-150	08/05/20 11:05	08/05/20 22:07	B0H0093	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 10B-S-12inch

Lab ID: BBH0002-16 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	3570		2	40.0	100	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	661		2	40.0	100	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	146%
Surrogate: Tetrachloro-m-xylene	147%

Acceptance Criteria

	30-150	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B
	30-150	08/05/20 11:05	08/05/20 22:26	B0H0093	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 10B-S-18inch

Lab ID: BBH0002-17 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	4140		5	100	250	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	970		5	100	250	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 22:46	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 116%
Surrogate: Tetrachloro-m-xylene 148%

Acceptance Criteria

30-150

08/05/20 11:05 08/05/20 22:46 B0H0093 ATS 3550B
08/05/20 11:05 08/05/20 22:46 B0H0093 ATS 3550B



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 12B-N-12inch

Lab ID: BBH0002-18 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	1100		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	199		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	112%
Surrogate: Tetrachloro-m-xylene	158% S6

Acceptance Criteria

30-150	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B
30-150	08/05/20 11:05	08/05/20 23:06	B0H0093	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 12B-S-12inch

Lab ID: BBH0002-29 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	667		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	119		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl	114%
Surrogate: Tetrachloro-m-xylene	153% S6

Acceptance Criteria

30-150	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B
30-150	08/05/20 11:05	08/05/20 23:26	B0H0093	ATS	3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Analytical Results

Client ID: 12B-S-Dupe3

Lab ID: BBH0002-31 (Soil)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B
Aroclor-1248 (PCB-1248)	964		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B
Aroclor-1254 (PCB-1254)	143		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg	08/05/20 11:05	08/05/20 23:45	B0H0093	ATS	3550B

Recovery

Surrogate: Decachlorobiphenyl 103%
Surrogate: Tetrachloro-m-xylene 143%

Acceptance Criteria

30-150

08/05/20 11:05 08/05/20 23:45 B0H0093 ATS 3550B
08/05/20 11:05 08/05/20 23:45 B0H0093 ATS 3550B



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B0H0093 - 3550B					Prepared: 08/05/2020 11:05						
Method Blank (B0H0093-BLK1)					Analyzed: 08/05/2020 18:29						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg							
Surrogate: Decachlorobiphenyl	26.8			ug/kg	25.0000		107	30-150			
Surrogate: Tetrachloro-m-xylene	31.6			ug/kg	25.0000		126	30-150			



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Tetra Tech, Inc.	AETL Job Number: BBH0002	Site: Bethune Middle School
3475 East Foothill Boulevard	Project Number: N/A	155 W 69th Street
Pasadena, CA 91107	Project Manager: Eric Nelson	Los Angeles, CA 90003
	Project Name: Bethane Middle School	Reported: 08/10/2020 11:11

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B0H0093 - 3550B (Continued)

Prepared: 08/05/2020 11:05

LCS (B0H0093-BS1)

Analyzed: 08/05/2020 16:50

Aroclor-1016 (PCB-1016)	447	20.0	50.0	ug/kg	500.000		89.4	50-150			
Aroclor-1260 (PCB-1260)	562	20.0	50.0	ug/kg	500.000		112	50-150			
Surrogate: Decachlorobiphenyl	25.6			ug/kg	25.0000		102	30-150			
Surrogate: Tetrachloro-m-xylene	29.7			ug/kg	25.0000		119	30-150			

LCSD (B0H0093-BSD1)

Analyzed: 08/05/2020 17:30

Aroclor-1016 (PCB-1016)	420	20.0	50.0	ug/kg	500.000		84.0	50-150	6.21	40	
Aroclor-1260 (PCB-1260)	540	20.0	50.0	ug/kg	500.000		108	50-150	4.01	40	
Surrogate: Decachlorobiphenyl	30.4			ug/kg	25.0000		122	30-150			
Surrogate: Tetrachloro-m-xylene	27.8			ug/kg	25.0000		111	30-150			

Matrix Spike (B0H0093-MS1)

Source: BBH0028-04

Analyzed: 08/05/2020 17:50

Aroclor-1016 (PCB-1016)	406	20.0	50.0	ug/kg	500.000	ND	81.3	50-150			
Aroclor-1260 (PCB-1260)	579	20.0	50.0	ug/kg	500.000	ND	116	50-150			
Surrogate: Decachlorobiphenyl	25.6			ug/kg	25.0000		102	30-150			
Surrogate: Tetrachloro-m-xylene	29.4			ug/kg	25.0000		117	30-150			

Matrix Spike Dup (B0H0093-MSD1)

Source: BBH0028-04

Analyzed: 08/05/2020 18:09

Aroclor-1016 (PCB-1016)	422	20.0	50.0	ug/kg	500.000	ND	84.4	50-150	3.85	40	
Aroclor-1260 (PCB-1260)	570	20.0	50.0	ug/kg	500.000	ND	114	50-150	1.57	40	
Surrogate: Decachlorobiphenyl	25.1			ug/kg	25.0000		100	30-150			
Surrogate: Tetrachloro-m-xylene	28.3			ug/kg	25.0000		113	30-150			



AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.	AETL Job Number: BBH0002	Site: Bethune Middle School
3475 East Foothill Boulevard	Project Number: N/A	155 W 69th Street
Pasadena, CA 91107	Project Manager: Eric Nelson	Los Angeles, CA 90003
	Project Name: Bethane Middle School	Reported: 08/10/2020 11:11

Qualifiers and Definitions

Item	Qualifiers
S6	Surrogate recovery is outside control limits due to matrix interference.
Item	Definitions
%REC	Percent Recovery
°C	Degrees Celsius
AETL	American Environmental Testing Laboratory, LLC
CARB	California Air Resources Board
COC	Chain of Custody
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
HC	Hydrocarbon
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
OSHA	Occupational Safety and Health Administration
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
TPH	Total Petroleum Hydrocarbons
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BBH0002
Project Number: N/A
Project Manager: Eric Nelson
Project Name: Bethane Middle School

Site: Bethune Middle School
155 W 69th Street
Los Angeles, CA 90003
Reported: 08/10/2020 11:11

ug/m3 Micrograms per cubic meter
Y Yes

Attachment 3

40 CFR §761.61 and USEPA PCB Cleanup Guidance

APPENDIX B: LABORATORY REPORTS



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2840 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

July 30, 2021

AETL Job No: BCG0167
Received Date: 07/20/2021
Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: LAUSD Bethune Middle School
Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Corey Jones
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethane Middle School Project Number: [none]
Work Order Number: BCG0167

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0167
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune Middle School

Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047
Reported: 07/30/2021 09:36

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
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CHAIN OF CUSTODY RECORD

123574

AETL JOB No. **BCG0167** Page **1** of **3**

COMPANY Tetra Tech Inc		PROJECT MANAGER Mark Feldman	
COMPANY ADDRESS 3475 E Foothill Blvd		PHONE Mark.feldman@tetratech.com	
PROJECT NAME LACSD Bethune MS		PROJECT #	
SITE NAME AND ADDRESS 61st 69th St LA, CA		PO #	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
A1-1	BCG0167.01	7-19-21	0830	Soil	1	N/A
A1-1-Dup	BCG0167.02		0830			
A1-3	BCG0167.03		0835			
A1-5	BCG0167.04		0838			
A1-7.5	BCG0167.05		0844			
A1-10	BCG0167.06		0845			
A2-B1-1	BCG0167.07		0900			
A2-B1-3	BCG0167.08		0905			
A2-F B1-5	BCG0167.09		0916			
A2-7.5 B1-7.5	BCG0167.10		0920			
A2-10 B1-10	BCG0167.11		0922			
C1-1	BCG0167.12		0928			
C1-3	BCG0167.13		0930			
C1-5	BCG0167.14		0940			
C1-7.5	BCG0167.15		0945			
TOTAL NUMBER OF CONTAINERS:				45		

RELINQUISHED BY SAMPLER:		RELINQUISHED BY:	
Signature: <i>Jason Cook</i>	Signature:	Signature:	Signature:
Printed Name: <i>Jason Cook</i>	Printed Name:	Printed Name:	Printed Name:
Date: <i>7/20/21</i>	Date:	Date:	Date:
Time: <i>0820</i>	Time:	Time:	Time:
RECEIVED BY:	RECEIVED BY:	RECEIVED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: <i>7/20/21</i>	Date:	Date:	Date:
Time: <i>0820</i>	Time:	Time:	Time:
DATA DELIVERABLE REQUIRED	DATA DELIVERABLE REQUIRED	DATA DELIVERABLE REQUIRED	DATA DELIVERABLE REQUIRED
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH	<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)	<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)	<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
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CHAIN OF CUSTODY RECORD

123575

AETL JOB No. **BCG0167** Page **2** of **3**

COMPANY Tetra Tech Inc		PROJECT MANAGER Mark Feldman	
COMPANY ADDRESS 3475 E Foothill Blvd		PHONE EMAIL	
PROJECT NAME LAUSD Bethune MS		PROJECT #	
SITE NAME AND ADDRESS West 69th St. LA, CA		PO #	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
C1-10	BCG0167.16	7-19-21	0950	Soil	1	NA
D1-1	BCG0167.17		1015			
D1-3	BCG0167.18		1020			
D1-3-DUP	BCG0167.19		1020			
D1-5	BCG0167.20		1025			
D1-7.5	BCG0167.21		1030			
D1-10	BCG0167.22		1035			
E1-1	BCG0167.23		1045			
E1-1-DUP	BCG0167.24		1045			
E1-3	BCG0167.25		1105			
E1-5	BCG0167.26		1110			
E1-7.5	BCG0167.27		1120			
E1-10	BCG0167.28		1125			
E2-1	BCG0167.29		1245			
E2-3	BCG0167.30		1255			

TOTAL NUMBER OF CONTAINERS:		RELINQUISHED BY:	
1.		2.	
SAMPLER: Feldman		RELINQUISHED BY: 3.	
Signature: Feldman		Signature:	
Printed Name: Feldman		Printed Name:	
Date: 7/20/21		Date:	
Time: 0820		Time:	
RECEIVED BY: 1.		RECEIVED BY: 2.	
Signature: [Signature]		Signature:	
Printed Name: [Name]		Printed Name:	
Date: 7/20/21		Date:	
Time: 0820		Time:	
RECEIVED BY: 3.		RECEIVED BY: 3.	
Signature: [Signature]		Signature:	
Printed Name: [Name]		Printed Name:	
Date: 7/20/21		Date:	
Time: 1000		Time:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



A KYZER LABS COMPANY

COMPANY
Tetra Tech Inc

COMPANY ADDRESS
3475 E Foothill Blvd

PROJECT NAME
LAUSD Bethune MS

SITE NAME AND ADDRESS
West 69th St LA, CA

PROJECT MANAGER
Mark Feldman

PHONE

PROJECT #

PO #

ANALYSIS REQUESTED

Moisture

PCBs 8082A

Method for all soil
Samples- PCB 8082A
Soxhlet Extraction,
dry weight Basis
x Hold Marked samples

TEST INSTRUCTIONS & COMMENTS

Method for all soil
Samples- PCB 8082A
Soxhlet Extraction,
dry weight Basis
x Hold Marked samples

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
E2-5	BCG067.31	7-6-21	1300	Soil	1	NA
E2-7.5	BCG067.32		1310			
E2-10	BCG067.33		1315			
D2-1	BCG067.34		1325			
D2-3	BCG067.35		1330			
D2-5	BCG067.36		1335			
D2-7.5	BCG067.37		1340			
D2-7.5-Dup	BCG067.38		1340			
D2-10	BCG067.39		1345			
C2-1	BCG067.40		1355			
C2-3	BCG067.41		1405			
C2-5	BCG067.42		1410			
C2-7.5	BCG067.43		1415			
C2-10	BCG067.44		1420			
EB-071921	BCG067.45		0800	Water	1	NA

TOTAL NUMBER OF CONTAINERS:

RELINQUISHED BY SAMPLER:

RELINQUISHED BY:

RELINQUISHED BY:

BILLING INFORMATION / SPECIAL INSTRUCTIONS

Signature: *John Carl*
Printed Name: John Carl
Date: 7/6/21 Time: 0820

Signature: *John Carl*
Printed Name: John Carl
Date: 7/6/21 Time: 0820

Signature: *John Carl*
Printed Name: John Carl
Date: 7/6/21 Time: 0820

TURN AROUND TIME

DATA DELIVERABLE REQUIRED

☒ NORMAL

☐ SAME DAY RUSH

☐ NEXT DAY RUSH

☐ 2 DAYS RUSH

☐ 3 DAYS RUSH

☐ 4 DAYS RUSH

☐ HARD COPY

☐ E-COPY

☐ GEOTRACKER (GLOBAL ID)

☐ OTHER (PLEASE SPECIFY)

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AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD # 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <u>T.T</u>				
Project Name:				
AETL Job Number: <u>BCG0167</u>				
Date Received: <u>7/20/21</u>		Received by: <u>Sargis Pireh</u>		
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GLS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4.6</u> , No 2: , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input checked="" type="checkbox"/> Others (Specify): <u>Sleeves</u>				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice <input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄ <input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.

This report contains revisions to data previously submitted. The MDL and RL values were corrected. This document is the official version and replaces the earlier report. Please delete, discard, or destroy prior versions.



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0167
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune Middle School

Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047
Reported: 07/30/2021 09:36

Samples Received

AETL received the following samples on 07/20/2021 with the following specifications

Client ID		Sample Date	
A1-1		07/19/2021 8:30	
Lab ID	Matrix	Quantity of Containers	
BCG0167-01	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A1-1Dup		07/19/2021 8:30	
Lab ID	Matrix	Quantity of Containers	
BCG0167-02	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A1-3		07/19/2021 8:35	
Lab ID	Matrix	Quantity of Containers	
BCG0167-03	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Samples Received

(Continued)

AETL received the following samples on 07/20/2021 with the following specifications

Client ID A1-5		Sample Date 07/19/2021 8:38	
Lab ID BCG0167-04	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID A1-7.5		Sample Date 07/19/2021 8:44	
Lab ID BCG0167-05	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID A1-10		Sample Date 07/19/2021 8:45	
Lab ID BCG0167-06	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID B1-1		Sample Date 07/19/2021 9:00	
Lab ID BCG0167-07	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID B1-3		Sample Date 07/19/2021 9:05	
Lab ID BCG0167-08	Matrix Soil	Quantity of Containers 1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID B1-5		Sample Date 07/19/2021 9:10	
Lab ID BCG0167-09	Matrix Soil	Quantity of Containers 1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID B1-7.5		Sample Date 07/19/2021 9:20	
Lab ID BCG0167-10	Matrix Soil	Quantity of Containers 1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	5



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Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

Client ID B1-10		Sample Date 07/19/2021 9:22	
Lab ID BCG0167-11	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID C1-1		Sample Date 07/19/2021 9:28	
Lab ID BCG0167-12	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216 EPA 8082	Analyte Moisture Content Polychlorinated Biphenyls by Soxhlet Extraction	Units % wt ug/kg	TAT 5 5
Client ID C1-3		Sample Date 07/19/2021 9:30	
Lab ID BCG0167-13	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216 EPA 8082	Analyte Moisture Content Polychlorinated Biphenyls by Soxhlet Extraction	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

Client ID C1-5		Sample Date 07/19/2021 9:40	
Lab ID BCG0167-14	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216 EPA 8082	Analyte Moisture Content Polychlorinated Biphenyls by Soxhlet Extraction	Units % wt ug/kg	TAT 5 5
Client ID C1-7.5		Sample Date 07/19/2021 9:45	
Lab ID BCG0167-15	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID C1-10		Sample Date 07/19/2021 9:50	
Lab ID BCG0167-16	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID D1-1		Sample Date 07/19/2021 10:15	
Lab ID BCG0167-17	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID D1-3			Sample Date 07/19/2021 10:20
Lab ID BCG0167-18	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID D1-3Dup			Sample Date 07/19/2021 10:20
Lab ID BCG0167-19	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID D1-5			Sample Date 07/19/2021 10:25
Lab ID BCG0167-20	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

Client ID D1-7.5		Sample Date 07/19/2021 10:30	
Lab ID BCG0167-21	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID D1-10		Sample Date 07/19/2021 10:35	
Lab ID BCG0167-22	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID E1-1		Sample Date 07/19/2021 10:45	
Lab ID BCG0167-23	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216 EPA 8082	Analyte Moisture Content Polychlorinated Biphenyls by Soxhlet Extraction	Units % wt ug/kg	TAT 5 5
Client ID E1-1Dup		Sample Date 07/19/2021 10:45	
Lab ID BCG0167-24	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5



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3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID E1-3			Sample Date 07/19/2021 11:05
Lab ID BCG0167-25	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID E1-5			Sample Date 07/19/2021 11:10
Lab ID BCG0167-26	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID E1-7.5			Sample Date 07/19/2021 11:20
Lab ID BCG0167-27	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	5



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

Client ID E1-10		Sample Date 07/19/2021 11:25	
Lab ID BCG0167-28	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID E2-1		Sample Date 07/19/2021 12:45	
Lab ID BCG0167-29	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216 EPA 8082	Analyte Moisture Content Polychlorinated Biphenyls by Soxhlet Extraction	Units % wt ug/kg	TAT 5 5
Client ID E2-3		Sample Date 07/19/2021 12:55	
Lab ID BCG0167-30	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216 EPA 8082	Analyte Moisture Content Polychlorinated Biphenyls by Soxhlet Extraction	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

Client ID		Sample Date	
E2-5		07/19/2021 13:00	
Lab ID	Matrix	Quantity of Containers	
BCG0167-31	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E2-7.5		07/19/2021 13:10	
Lab ID	Matrix	Quantity of Containers	
BCG0167-32	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	5
Client ID		Sample Date	
E2-10		07/19/2021 13:15	
Lab ID	Matrix	Quantity of Containers	
BCG0167-33	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	5
Client ID		Sample Date	
D2-1		07/19/2021 13:25	
Lab ID	Matrix	Quantity of Containers	
BCG0167-34	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5



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3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID D2-3			Sample Date 07/19/2021 13:30
Lab ID BCG0167-35	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID D2-5			Sample Date 07/19/2021 13:35
Lab ID BCG0167-36	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID D2-7.5			Sample Date 07/19/2021 13:40
Lab ID BCG0167-37	Matrix Soil		Quantity of Containers 1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	5



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3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Samples Received

(Continued)

AETL received the following samples on 07/20/2021 with the following specifications

Client ID D2-7.5-Dup		Sample Date 07/19/2021 13:40	
Lab ID BCG0167-38		Matrix Soil	Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID D2-10		Sample Date 07/19/2021 13:45	
Lab ID BCG0167-39		Matrix Soil	Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID C2-1		Sample Date 07/19/2021 13:55	
Lab ID BCG0167-40		Matrix Soil	Quantity of Containers 1
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID C2-3		Sample Date 07/19/2021 14:05	
Lab ID BCG0167-41		Matrix Soil	Quantity of Containers 1
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Samples Received (Continued)

AETL received the following samples on 07/20/2021 with the following specifications

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID C2-5			Sample Date 07/19/2021 14:10
Lab ID BCG0167-42	Matrix Soil		Quantity of Containers 1
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID C2-7.5			Sample Date 07/19/2021 14:15
Lab ID BCG0167-43	Matrix Soil		Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5
Client ID C2-10			Sample Date 07/19/2021 14:20
Lab ID BCG0167-44	Matrix Soil		Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 5



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Samples Received

(Continued)

AETL received the following samples on 07/20/2021 with the following specifications

Client ID
EB-071921

Sample Date
07/19/2021 8:00

Lab ID
BCG0167-45

Matrix
Aqueous

Quantity of Containers
1

Method
EPA 8082

Analyte
Polychlorinated Biphenyls (PCBs)

Units
ug/L

TAT
5

Total Number of Samples received: 45



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Tetra Tech, Inc.	AETL Job Number:	BCG0167	Site:	LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number:	[none]		West 69th St.
Pasadena, CA 91107-6024	Attention:	Mark Feldman		Los Angeles, CA 90047
	Project Name:	LAUSD Bethune Middle School	Reported:	07/30/2021 09:36

Positive Hits Summary

Lab ID	Client ID				Sampled
BCG0167-01	A1-1				07/19/2021 08:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	10400	DIL	ug/kg dry	07/22/2021 19:29
EPA 8082	Aroclor-1254 (PCB-1254)	1540	DIL	ug/kg dry	07/22/2021 19:29
ASTM D2216	Moisture Content	4.29		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-02	A1-1Dup				07/19/2021 08:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	16100	DIL	ug/kg dry	07/22/2021 20:08
EPA 8082	Aroclor-1254 (PCB-1254)	2520	DIL	ug/kg dry	07/22/2021 20:08
ASTM D2216	Moisture Content	4.19		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-03	A1-3				07/19/2021 08:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	2370	DIL	ug/kg dry	07/22/2021 20:27
EPA 8082	Aroclor-1254 (PCB-1254)	273	DIL	ug/kg dry	07/22/2021 20:27
ASTM D2216	Moisture Content	8.21		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-04	A1-5				07/19/2021 08:38
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.2		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-07	B1-1				07/19/2021 09:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	14400	DIL	ug/kg dry	07/22/2021 21:05
ASTM D2216	Moisture Content	4.10		% wt	07/22/2021 12:00



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0167-08	B1-3				07/19/2021 09:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	271		ug/kg dry	07/22/2021 21:25
ASTM D2216	Moisture Content	8.01		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-09	B1-5				07/19/2021 09:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	16.2		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-12	C1-1				07/19/2021 09:28
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1970	DIL	ug/kg dry	07/22/2021 22:03
EPA 8082	Aroclor-1254 (PCB-1254)	378	DIL	ug/kg dry	07/22/2021 22:03
ASTM D2216	Moisture Content	4.52		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-13	C1-3				07/19/2021 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.92		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-14	C1-5				07/19/2021 09:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	18.7		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-17	D1-1				07/19/2021 10:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4890	DIL	ug/kg dry	07/22/2021 23:00



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0167-17	D1-1				07/19/2021 10:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	995	DIL	ug/kg dry	07/22/2021 23:00
ASTM D2216	Moisture Content	4.99		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-18	D1-3				07/19/2021 10:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	13000	DIL	ug/kg dry	07/22/2021 23:39
EPA 8082	Aroclor-1254 (PCB-1254)	1690	DIL	ug/kg dry	07/22/2021 23:39
ASTM D2216	Moisture Content	7.12		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-19	D1-3Dup				07/19/2021 10:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	13800	DIL	ug/kg dry	07/22/2021 23:58
ASTM D2216	Moisture Content	7.04		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-20	D1-5				07/19/2021 10:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.5		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-23	E1-1				07/19/2021 10:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4590	DIL	ug/kg dry	07/23/2021 00:36
EPA 8082	Aroclor-1254 (PCB-1254)	1110	DIL	ug/kg dry	07/23/2021 00:36
ASTM D2216	Moisture Content	6.96		% wt	07/22/2021 12:00



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Tetra Tech, Inc.	AETL Job Number:	BCG0167	Site:	LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number:	[none]		West 69th St.
Pasadena, CA 91107-6024	Attention:	Mark Feldman		Los Angeles, CA 90047
	Project Name:	LAUSD Bethune Middle School	Reported:	07/30/2021 09:36

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0167-24	E1-1Dup				07/19/2021 10:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4310	DIL	ug/kg dry	07/23/2021 00:55
ASTM D2216	Moisture Content	7.03		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-25	E1-3				07/19/2021 11:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	994		ug/kg dry	07/23/2021 01:15
ASTM D2216	Moisture Content	8.43		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-26	E1-5				07/19/2021 11:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.5		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-29	E2-1				07/19/2021 12:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4920	DIL	ug/kg dry	07/23/2021 02:51
EPA 8082	Aroclor-1254 (PCB-1254)	1060	DIL	ug/kg dry	07/23/2021 02:51
ASTM D2216	Moisture Content	9.24		% wt	07/22/2021 12:00
Lab ID	Client ID				Sampled
BCG0167-30	E2-3				07/19/2021 12:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	9690	DIL	ug/kg dry	07/23/2021 03:29
EPA 8082	Aroclor-1254 (PCB-1254)	1820	DIL	ug/kg dry	07/23/2021 03:29
ASTM D2216	Moisture Content	9.40		% wt	07/22/2021 12:00



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0167-31	E2-5				07/19/2021 13:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	271		ug/kg dry	07/23/2021 03:48
ASTM D2216	Moisture Content	4.84		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-34	D2-1				07/19/2021 13:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	3630	DIL	ug/kg dry	07/23/2021 04:07
EPA 8082	Aroclor-1254 (PCB-1254)	581	DIL	ug/kg dry	07/23/2021 04:07
ASTM D2216	Moisture Content	4.35		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-35	D2-3				07/19/2021 13:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	93600	DIL	ug/kg dry	07/23/2021 04:27
ASTM D2216	Moisture Content	5.77		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-36	D2-5				07/19/2021 13:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	26.8		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-40	C2-1				07/19/2021 13:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4710	DIL	ug/kg dry	07/23/2021 05:05
EPA 8082	Aroclor-1254 (PCB-1254)	897	DIL	ug/kg dry	07/23/2021 05:05
ASTM D2216	Moisture Content	6.27		% wt	07/22/2021 12:00



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0167-41	C2-3				07/19/2021 14:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	6610	DIL	ug/kg dry	07/23/2021 05:24
ASTM D2216	Moisture Content	12.6		% wt	07/22/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-42	C2-5				07/19/2021 14:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	17.7		% wt	07/22/2021 12:00



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Analytical Results

Client ID: A1-1

Lab ID: BCG0167-01 (Soil)

Sampled: 07/19/21 8:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
Aroclor-1248 (PCB-1248)	10400	DIL	10	200	500	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
Aroclor-1254 (PCB-1254)	1540	DIL	10	200	500	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C	
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	Recovery			Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	80.0%			30-150				07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	46.3%			30-150				07/21/21 08:31	07/22/21 19:29	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.29		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Analytical Results

Client ID: A1-1Dup

Lab ID: BCG0167-02 (Soil)

Sampled: 07/19/21 8:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	16100	DIL	20	400	1000	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	2520	DIL	20	400	1000	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	76.1%			30-150			07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	111%			30-150			07/21/21 08:31	07/22/21 20:08	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.19		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Analytical Results

Client ID: A1-3

Lab ID: BCG0167-03 (Soil)

Sampled: 07/19/21 8:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	2370	DIL	2	40.0	100	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	273	DIL	2	40.0	100	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	42.8%			30-150			07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	29.1% S6			30-150			07/21/21 08:31	07/22/21 20:27	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.21		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: A1-5

Lab ID: BCG0167-04 (Soil)

Sampled: 07/19/21 8:38

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl	52.8%				30-150		07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C
Surrogate: Tetrachloro-m-xylene	34.5%				30-150		07/21/21 08:31	07/22/21 20:46	B1G0464	ATS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.2		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Analytical Results

Client ID: B1-1

Lab ID: BCG0167-07 (Soil)

Sampled: 07/19/21 9:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	14400	DIL	10	200	500	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	71.1%						07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	113%						07/21/21 08:31	07/22/21 21:05	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.10		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: B1-3

Lab ID: BCG0167-08 (Soil)

Sampled: 07/19/21 9:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	271	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
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	Recovery	Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	56.2%	30-150				07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	40.6%	30-150				07/21/21 08:31	07/22/21 21:25	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.01		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: B1-5

Lab ID: BCG0167-09 (Soil)

Sampled: 07/19/21 9:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C	
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	Recovery	Acceptance Criteria									
Surrogate: Decachlorobiphenyl	88.2%	30-150					07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C
Surrogate: Tetrachloro-m-xylene	54.8%	30-150					07/21/21 08:31	07/22/21 21:44	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.2		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: C1-1

Lab ID: BCG0167-12 (Soil)

Sampled: 07/19/21 9:28

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	1970	DIL	2	40.0	100	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	378	DIL	2	40.0	100	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:03	B1G0464	ATS	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	79.9%			<i>30-150</i>			07/21/21 08:31	<i>07/22/21 22:03</i>	B1G0464	<i>ATS</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	58.6%			<i>30-150</i>			07/21/21 08:31	<i>07/22/21 22:03</i>	B1G0464	<i>ATS</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.52		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: C1-3

Lab ID: BCG0167-13 (Soil)

Sampled: 07/19/21 9:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl	74.5%				30-150		07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C
Surrogate: Tetrachloro-m-xylene	57.1%				30-150		07/21/21 08:31	07/22/21 22:22	B1G0464	ATS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.92		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: C1-5

Lab ID: BCG0167-14 (Soil)

Sampled: 07/19/21 9:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
<hr/>											
				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	73.6%				30-150		07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C
Surrogate: Tetrachloro-m-xylene	58.1%				30-150		07/21/21 08:31	07/22/21 22:41	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	18.7		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: D1-1

Lab ID: BCG0167-17 (Soil)

Sampled: 07/19/21 10:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	4890	DIL	5	100	250	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	995	DIL	5	100	250	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:00	B1G0464	ATS	3540C
<hr/>											
				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	92.1%				30-150			07/21/21 08:31	07/22/21 23:00	B1G0464	ATS 3540C
Surrogate: Tetrachloro-m-xylene	54.9%				30-150			07/21/21 08:31	07/22/21 23:00	B1G0464	ATS 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.99		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: D1-3

Lab ID: BCG0167-18 (Soil)

Sampled: 07/19/21 10:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	13000	DIL	10	200	500	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	1690	DIL	10	200	500	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	79.0%						07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	86.3%						07/21/21 08:31	07/22/21 23:39	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.12		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: D1-3Dup

Lab ID: BCG0167-19 (Soil)

Sampled: 07/19/21 10:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	13800	DIL	10	200	500	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/22/21 23:58	B1G0464	ATS	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	66.7%			<i>30-150</i>			07/21/21 08:31	<i>07/22/21 23:58</i>	B1G0464	<i>ATS</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	78.1%			<i>30-150</i>			07/21/21 08:31	<i>07/22/21 23:58</i>	B1G0464	<i>ATS</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.04		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: D1-5

Lab ID: BCG0167-20 (Soil)

Sampled: 07/19/21 10:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl	73.1%				30-150		07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C
Surrogate: Tetrachloro-m-xylene	53.9%				30-150		07/21/21 08:31	07/23/21 00:17	B1G0464	ATS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.5		1		0.100	% wt	07/22/21 11:00	07/22/21 12:00	B1G0548	CS	ASTM-D2216
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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Analytical Results

Client ID: E1-1

Lab ID: BCG0167-23 (Soil)

Sampled: 07/19/21 10:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	4590	DIL	5	100	250	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	1110	DIL	5	100	250	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	79.8%						07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	51.3%						07/21/21 08:31	07/23/21 00:36	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.96		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: E1-1Dup

Lab ID: BCG0167-24 (Soil)

Sampled: 07/19/21 10:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	4310	DIL	5	100	250	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
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				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	80.3%				30-150		07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C
Surrogate: Tetrachloro-m-xylene	75.1%				30-150		07/21/21 08:31	07/23/21 00:55	B1G0464	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.03		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: E1-3

Lab ID: BCG0167-25 (Soil)

Sampled: 07/19/21 11:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
Aroclor-1248 (PCB-1248)	994	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:15	B1G0464	ATS	3540C	
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	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	<i>16.1% S6</i>						07/21/21 08:31	<i>07/23/21 01:15</i>	B1G0464	<i>ATS</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>9.96% S6</i>						07/21/21 08:31	<i>07/23/21 01:15</i>	B1G0464	<i>ATS</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.43		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: E1-5

Lab ID: BCG0167-26 (Soil)

Sampled: 07/19/21 11:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl	65.5%				30-150		07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C
Surrogate: Tetrachloro-m-xylene	43.1%				30-150		07/21/21 08:31	07/23/21 01:34	B1G0464	ATS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.5		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: E2-1

Lab ID: BCG0167-29 (Soil)

Sampled: 07/19/21 12:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
Aroclor-1248 (PCB-1248)	4920	DIL	5	100	250	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
Aroclor-1254 (PCB-1254)	1060	DIL	5	100	250	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 02:51	B1G0478	ATS	3540C
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				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	83.9%				30-150			07/22/21 11:04	07/23/21 02:51	B1G0478	ATS 3540C
Surrogate: Tetrachloro-m-xylene	52.2%				30-150			07/22/21 11:04	07/23/21 02:51	B1G0478	ATS 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.24		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Analytical Results

Client ID: E2-3

Lab ID: BCG0167-30 (Soil)

Sampled: 07/19/21 12:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
Aroclor-1248 (PCB-1248)	9690	DIL	10	200	500	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
Aroclor-1254 (PCB-1254)	1820	DIL	10	200	500	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:29	B1G0478	ATS	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	<i>118%</i>						07/22/21 11:04	<i>07/23/21 03:29</i>	B1G0478	<i>ATS</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>105%</i>						07/22/21 11:04	<i>07/23/21 03:29</i>	B1G0478	<i>ATS</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.40		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: E2-5

Lab ID: BCG0167-31 (Soil)

Sampled: 07/19/21 13:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
Aroclor-1248 (PCB-1248)	271	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	177% S6	30-150					07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	46.3%	30-150					07/22/21 11:04	07/23/21 03:48	B1G0478	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.84		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: D2-1

Lab ID: BCG0167-34 (Soil)

Sampled: 07/19/21 13:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Aroclor-1248 (PCB-1248)	3630	DIL	5	100	250	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Aroclor-1254 (PCB-1254)	581	DIL	5	100	250	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
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				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	92.6%				30-150		07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C
Surrogate: Tetrachloro-m-xylene	54.0%				30-150		07/22/21 11:04	07/23/21 04:07	B1G0478	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.35		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: D2-3

Lab ID: BCG0167-35 (Soil)

Sampled: 07/19/21 13:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
Aroclor-1248 (PCB-1248)	93600	DIL	200	4000	10000	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	70.2%						07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	50.8%						07/22/21 11:04	07/23/21 04:27	B1G0478	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	5.77		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: D2-5

Lab ID: BCG0167-36 (Soil)

Sampled: 07/19/21 13:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 04:46	B1G0478	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

45.4%
45.4%

Acceptance Criteria

30-150
30-150

07/22/21 11:04 07/23/21 04:46 B1G0478 ATS 3540C
07/22/21 11:04 07/23/21 04:46 B1G0478 ATS 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	26.8		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: C2-1

Lab ID: BCG0167-40 (Soil)

Sampled: 07/19/21 13:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Aroclor-1248 (PCB-1248)	4710	DIL	5	100	250	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Aroclor-1254 (PCB-1254)	897	DIL	5	100	250	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
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				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	68.7%				30-150		07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C
Surrogate: Tetrachloro-m-xylene	41.5%				30-150		07/22/21 11:04	07/23/21 05:05	B1G0478	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.27		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: C2-3

Lab ID: BCG0167-41 (Soil)

Sampled: 07/19/21 14:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
Aroclor-1248 (PCB-1248)	6610	DIL	5	100	250	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	60.0%						07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	88.7%						07/22/21 11:04	07/23/21 05:24	B1G0478	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.6		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 07/30/2021 09:36
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Analytical Results

Client ID: C2-5

Lab ID: BCG0167-42 (Soil)

Sampled: 07/19/21 14:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl	58.7%				30-150		07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C
Surrogate: Tetrachloro-m-xylene	58.7%				30-150		07/22/21 11:04	07/23/21 05:43	B1G0478	ATS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.7		1		0.100	% wt	07/22/21 12:00	07/22/21 12:00	B1G0551	CS	ASTM-D2216
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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Analytical Results

Client ID: EB-071921

Lab ID: BCG0167-45 (Aqueous)

Sampled: 07/19/21 8:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 19:44	B1G0531	AM	3510C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

111%
93.8%

Acceptance Criteria

30-150
30-150

07/23/21 13:16
07/23/21 13:16

07/26/21 19:44
07/26/21 19:44

B1G0531
B1G0531

AM
AM

3510C
3510C



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0548 - ASTM-D2216					Prepared: 07/22/2021 11:00						
Method Blank (B1G0548-BLK1)					Analyzed: 07/22/2021 12:00						
Moisture Content	100		0.100	% wt							



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3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0548 - ASTM-D2216 (Continued)

Duplicate (B1G0548-DUP1)

Source: BCG0167-01

Prepared: 07/22/2021 11:00

Analyzed: 07/22/2021 12:00

Moisture Content	4.46		0.100	% wt		4.29			4.06	15	
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Batch: B1G0551 - ASTM-D2216

Method Blank (B1G0551-BLK1)

Prepared: 07/22/2021 12:00

Analyzed: 07/22/2021 12:00

Moisture Content	100		0.100	% wt							
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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0551 - ASTM-D2216 (Continued)					Prepared: 07/22/2021 12:00						
Duplicate (B1G0551-DUP1)					Analyzed: 07/22/2021 12:00						
Moisture Content	7.00		0.100	% wt		6.96			<1.00	15	



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0531 - 3510C					Prepared: 07/23/2021 13:16						
Method Blank (B1G0531-BLK1)					Analyzed: 07/26/2021 19:25						
Aroclor-1016 (PCB-1016)	ND	1.00	5.00	ug/L							
Aroclor-1221 (PCB-1221)	ND	2.00	10.0	ug/L							
Aroclor-1232 (PCB-1232)	ND	1.00	5.00	ug/L							
Aroclor-1242 (PCB-1242)	ND	1.00	5.00	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.250	2.50	ug/L							
Aroclor-1254 (PCB-1254)	ND	1.00	5.00	ug/L							
Aroclor-1260 (PCB-1260)	ND	1.00	5.00	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.533			ug/L	0.500		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.479			ug/L	0.500		95.9	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0531 - 3510C (Continued)					Prepared: 07/23/2021 13:16						
LCS (B1G0531-BS1)					Analyzed: 07/26/2021 18:47						
Aroclor-1016 (PCB-1016)	6.10	1.00	5.00	ug/L	5.00		122	40-150			
Aroclor-1260 (PCB-1260)	5.87	1.00	5.00	ug/L	5.00		117	40-150			
Surrogate: Decachlorobiphenyl	0.448			ug/L	0.500		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.452			ug/L	0.500		90.5	30-150			
LCSD (B1G0531-BSD1)					Analyzed: 07/26/2021 19:06						
Aroclor-1016 (PCB-1016)	5.22	1.00	5.00	ug/L	5.00		104	40-150	15.4	20	
Aroclor-1260 (PCB-1260)	5.64	1.00	5.00	ug/L	5.00		113	40-150	3.96	20	
Surrogate: Decachlorobiphenyl	0.526			ug/L	0.500		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.406			ug/L	0.500		81.1	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0464 - 3540C					Prepared: 07/21/2021 08:31						
Method Blank (B1G0464-BLK1)					Analyzed: 07/22/2021 19:10						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	7.20			ug/kg wet	12.5		57.6	30-150			
Surrogate: Tetrachloro-m-xylene	7.41			ug/kg wet	12.5		59.3	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0464 - 3540C (Continued)

Prepared: 07/21/2021 08:31

LCS (B1G0464-BS1)

Analyzed: 07/22/2021 17:53

Aroclor-1016 (PCB-1016)	177	20.0	50.0	ug/kg wet	250		70.7	50-150			
Aroclor-1260 (PCB-1260)	227	20.0	50.0	ug/kg wet	250		90.9	50-150			
Surrogate: Decachlorobiphenyl	9.77			ug/kg wet	12.5		78.1	30-150			
Surrogate: Tetrachloro-m-xylene	6.36			ug/kg wet	12.5		50.9	30-150			

LCSD (B1G0464-BSD1)

Analyzed: 07/22/2021 18:12

Aroclor-1016 (PCB-1016)	197	20.0	50.0	ug/kg wet	250		78.8	50-150	10.9	40	
Aroclor-1260 (PCB-1260)	212	20.0	50.0	ug/kg wet	250		84.9	50-150	6.81	40	
Surrogate: Decachlorobiphenyl	8.94			ug/kg wet	12.5		71.5	30-150			
Surrogate: Tetrachloro-m-xylene	5.52			ug/kg wet	12.5		44.2	30-150			

Matrix Spike (B1G0464-MS1)

Source: BCG0167-04

Analyzed: 07/22/2021 18:32

Aroclor-1016 (PCB-1016)	258	20.0	50.0	ug/kg dry	291	ND	88.5	50-150			
Aroclor-1260 (PCB-1260)	251	20.0	50.0	ug/kg dry	291	ND	86.1	50-150			
Surrogate: Decachlorobiphenyl	10.3			ug/kg dry	14.6		70.5	30-150			
Surrogate: Tetrachloro-m-xylene	9.88			ug/kg dry	14.6		67.8	30-150			

Matrix Spike Dup (B1G0464-MSD1)

Source: BCG0167-04

Analyzed: 07/22/2021 18:51

Aroclor-1016 (PCB-1016)	247	20.0	50.0	ug/kg dry	291	ND	84.7	50-150	4.38	40	
Aroclor-1260 (PCB-1260)	246	20.0	50.0	ug/kg dry	291	ND	84.4	50-150	2.04	40	
Surrogate: Decachlorobiphenyl	9.61			ug/kg dry	14.6		66.0	30-150			
Surrogate: Tetrachloro-m-xylene	10.5			ug/kg dry	14.6		72.1	30-150			

Batch: B1G0478 - 3540C

Prepared: 07/22/2021 11:04

Method Blank (B1G0478-BLK1)

Analyzed: 07/23/2021 02:31

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	19.5			ug/kg wet	25.0		78.0	30-150			
Surrogate: Tetrachloro-m-xylene	19.2			ug/kg wet	25.0		76.7	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0167	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0478 - 3540C (Continued)					Prepared: 07/22/2021 11:04						
LCS (B1G0478-BS1)					Analyzed: 07/23/2021 01:53						
Aroclor-1016 (PCB-1016)	172	20.0	50.0	ug/kg wet	250		68.7	50-150			
Aroclor-1260 (PCB-1260)	171	20.0	50.0	ug/kg wet	250		68.6	50-150			
Surrogate: Decachlorobiphenyl	15.3			ug/kg wet	12.5		122	30-150			
Surrogate: Tetrachloro-m-xylene	10.0			ug/kg wet	12.5		80.3	30-150			
LCSD (B1G0478-BSD1)					Analyzed: 07/23/2021 02:12						
Aroclor-1016 (PCB-1016)	182	20.0	50.0	ug/kg wet	250		72.8	50-150	5.72	40	
Aroclor-1260 (PCB-1260)	148	20.0	50.0	ug/kg wet	250		59.0	50-150	15.0	40	
Surrogate: Decachlorobiphenyl	15.3			ug/kg wet	12.5		123	30-150			
Surrogate: Tetrachloro-m-xylene	9.04			ug/kg wet	12.5		72.3	30-150			



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Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 07/30/2021 09:36

Qualifiers and Definitions

Item	Qualifiers
DIL	Result for the compound reported from diluted analysis.
S6	Surrogate recovery is outside control limits due to matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No



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Tetra Tech, Inc.	AETL Job Number:	BCG0167	Site:	LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number:	[none]		West 69th St.
Pasadena, CA 91107-6024	Attention:	Mark Feldman		Los Angeles, CA 90047
	Project Name:	LAUSD Bethune Middle School	Reported:	07/30/2021 09:36

ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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August 05, 2021

AETL Job No: BCG0167.Rev01
Received Date: 07/20/2021
Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: LAUSD Bethune Middle School
Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Corey Jones
Project Manager

Approved By:

Hossein Shahrokhnia
Project Manager

Table of Contents

Client Project Name: Bethane Middle School Project Number: [none]
Work Order Number: BCG0167.Rev01

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0167.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune Middle School

Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047
Reported: 08/05/2021 14:50

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD

123574

AETL JOB No. **BCG0167** Page **1** of **3**

COMPANY Tetra Tech Inc
COMPANY ADDRESS 3475 E Foothill Blvd
PROJECT NAME LACSD Bethune MS
SITE NAME AND ADDRESS 61st 69th St LA, CA

PROJECT MANAGER Mark Feldman
PHONE EMAIL Mark.Feldman@tetratech.com
PROJECT #
PO #

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
A1-1	BCG0167.01	7-19-21	0830	Soil	1	N/A
A1-1-Dup	BCG0167.02		0830			
A1-3	BCG0167.03		0835			
A1-5	BCG0167.04		0838			
A1-7.5	BCG0167.05		0844			
A1-10	BCG0167.06		0845			
A2-B1-1	BCG0167.07		0900			
A2-B1-3	BCG0167.08		0905			
A2-F B1-5	BCG0167.09		0916			
A2-7.5 B1-7.5	BCG0167.10		0920			
A2-10 B1-10	BCG0167.11		0922			
C1-1	BCG0167.12		0928			
C1-3	BCG0167.13		0930			
C1-5	BCG0167.14		0940			
C1-7.5	BCG0167.15		0945			
TOTAL NUMBER OF CONTAINERS:				45		

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME

☒ NORMAL ☐ SAME DAY RUSH ☐ NEXT DAY RUSH ☐ 3 DAYS RUSH ☐ 4 DAYS RUSH

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☐ E-COPY ☐ GEOTRACKER (GLOBAL ID) ☐ OTHER (PLEASE SPECIFY)

RELINQUISHED BY: 1. **SAMPLER:** Jason Cook
 Signature: [Signature] Printed Name: Jason Cook Date: 7/20/21 Time: 0820

RELINQUISHED BY: 2. **RECEIVED BY:** 1. **LABORATORY:** [Signature]
 Signature: [Signature] Printed Name: [Signature] Date: 7/20/21 Time: 0820

RELINQUISHED BY: 3. **RECEIVED BY:** 2. **LABORATORY:** [Signature]
 Signature: [Signature] Printed Name: [Signature] Date: 7/20/21 Time: 0820

RELINQUISHED BY: 3. **RECEIVED BY:** 3. **LABORATORY:** [Signature]
 Signature: [Signature] Printed Name: [Signature] Date: 7/20/21 Time: 0820

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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CHAIN OF CUSTODY RECORD

123575

AETL JOB No. **BCG0167**

Page **2** of **3**

COMPANY		PROJECT MANAGER	
Tetra Tech Inc		Mark Feldman	
COMPANY ADDRESS		PHONE	
3475 E Foothill Blvd			
PROJECT NAME		EMAIL	
LAUSD Bethune MS			
SITE NAME AND ADDRESS		PROJECT #	
West 69th St. LA, CA			
PO #			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
C1-10	BCG0167.16	7-19-21	0950	Soil	1	NA
D1-1	BCG0167.17		1015			
D1-3	BCG0167.18		1020			
D1-3-DUP	BCG0167.19		1020			
D1-5	BCG0167.20		1025			
D1-7.5	BCG0167.21		1030			
D1-10	BCG0167.22		1035			
E1-1	BCG0167.23		1045			
E1-1-DUP	BCG0167.24		1045			
E1-3	BCG0167.25		1105			
E1-5	BCG0167.26		1110			
E1-7.5	BCG0167.27		1120			
E1-10	BCG0167.28		1125			
E2-1	BCG0167.29		1245			
E2-3	BCG0167.30		1255			

TOTAL NUMBER OF CONTAINERS:		RELINQUISHED BY:	
1		2	
SAMPLER:		RELINQUISHED BY:	
Signature: <i>John Cash</i>		Signature: <i>[Signature]</i>	
Printed Name: <i>John Cash</i>		Printed Name: <i>[Name]</i>	
Date: <i>7/20/21</i>		Date: <i>7/20/21</i>	
Time: <i>0820</i>		Time: <i>1000</i>	
RECEIVED BY:		RECEIVED BY:	
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
Date: <i>7/20/21</i>		Date: <i>7/20/21</i>	
Time: <i>0820</i>		Time: <i>1000</i>	
DATA DELIVERABLE REQUIRED		RECEIVED BY:	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH		Signature: <i>[Signature]</i>	
<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		Printed Name: <i>[Name]</i>	
Date: <i>7/20/21</i>		Date: <i>7/20/21</i>	
Time: <i>0820</i>		Time: <i>1000</i>	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

COMPANY

COMPANY ADDRESS

PROJECT NAME

SITE NAME AND ADDRESS

Tetra Tech Inc

3475 E Foothill Blvd

LAUSD Bethune MS

West 69th St LA, CA

PROJECT MANAGER

PHONE

PROJECT #

PO #

Mark Feldman

AETL JOB No.

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

BCG067

3

of

3

Method for all soil
Samples- PCB 8082A
Soxhlet Extraction,
dry weight Basis
x Hold Marked samples

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
E2-5	BCG067.31	7-6-21	1300	Soil	1	NA
E2-7.5	BCG067.32		1310			
E2-10	BCG067.33		1315			
D2-1	BCG067.34		1325			
D2-3	BCG067.35		1330			
D2-5	BCG067.36		1335			
D2-7.5	BCG067.37		1340			
D2-7.5-Dup	BCG067.38		1340			
D2-10	BCG067.39		1345			
C2-1	BCG067.40		1355			
C2-3	BCG067.41		1405			
C2-5	BCG067.42		1410			
C2-7.5	BCG067.43		1415			
C2-10	BCG067.44		1420			
EB-071921	BCG067.45		0800	Water	1	NA

TOTAL NUMBER OF CONTAINERS:

RELINQUISHED BY SAMPLER:

RELINQUISHED BY:

RELINQUISHED BY:

BILLING INFORMATION / SPECIAL INSTRUCTIONS

Signature: *John Carl*

Printed Name: *John Carl*

Date: *7/6/21* Time: *0820*

RECEIVED BY: *John Carl*

Signature: *John Carl*

Printed Name: *John Carl*

Date: *7/6/21* Time: *0820*

TURN AROUND TIME

DATA DELIVERABLE REQUIRED

☒ NORMAL

☐ SAME DAY RUSH

☐ NEXT DAY RUSH

☐ 2 DAYS RUSH

☐ 3 DAYS RUSH

☐ 4 DAYS RUSH

☐ HARD COPY

☐ E-COPY

☐ GEOTRACKER (GLOBAL ID)

☐ OTHER (PLEASE SPECIFY)

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CHAIN OF CUSTODY RECORD

123576

COMPANY Tetra Tech Inc

PROJECT MANAGER Mark Feldman

PHONE 3475 E Foothill Blvd

EMAIL LAUSD Bethune MS

PROJECT # West 69th St LA, CA

PO #

AETL JOB NO. BCG067

Page 3 of 3

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS
							Moisture	PCBs 8082A	
E2-5	BCG067.31	7-6-21	1320	Soil	1	NA	X		Method for all soil
E2-7.5	BCG067.32		1310				X		Sample- PCB 8082A
E2-10	BCG067.33		1315				X		Soxhlet extraction
D2-1	BCG067.34		1325				X		dry weight basis
D2-3	BCG067.35		1330				X		* Hold Marked samples
D2-5	BCG067.36		1335				X		Hold
D2-7.5	BCG067.37		1340				X		Hold additional
DB-7.5-Dup	BCG067.38		1340				X		Hold analysis
D2-10	BCG067.39		1345				X		on normal FAT
C2-1	BCG067.40		1355						Hold
C2-3	BCG067.41		1405						Hold
C2-5	BCG067.42		1410						Hold
C2-7.5	BCG067.43		1415						Hold
C2-10	BCG067.44		1420						Hold
FB-071921	BCG067.45		0800	Water	1	NA			

RELINQUISHED BY: 1. Signature: *John Carl* Printed Name: *John Carl* Date: *7/6/21* Time: *0820*

RELINQUISHED BY: 2. Signature: *[Signature]* Printed Name: *[Name]* Date: *[Date]* Time: *[Time]*

RELINQUISHED BY: 3. Signature: *[Signature]* Printed Name: *[Name]* Date: *[Date]* Time: *[Time]*

TURN AROUND TIME

☒ NORMAL ☐ SAME DAY RUSH ☐ NEXT DAY RUSH

☐ 2 DAYS RUSH ☐ 3 DAYS RUSH ☐ 4 DAYS RUSH

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☐ E-COPY

☐ GEOTRACKER (GLOBAL ID) ☐ OTHER (PLEASE SPECIFY)

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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COOLER RECEIPT FORM

Client Name: <u>T.T</u>				
Project Name:				
AETL Job Number: <u>BCG0167</u>				
Date Received: <u>7/20/21</u>		Received by: <u>Sargis Pireh</u>		
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GLS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4.6</u> , No 2: , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles,				
<input type="checkbox"/> Metal sleeves, <input checked="" type="checkbox"/> Others (Specify): <u>Sleeves</u>				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ ,				
<input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0167.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune Middle School

Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047
Reported: 08/05/2021 14:50

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0167.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune Middle School

Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047
Reported: 08/05/2021 14:50

Samples Received

AETL received the following samples on 07/20/2021 with the following specifications

Client ID		Sample Date	
E2-7.5		07/19/2021 13:10	
Lab ID	Matrix	Quantity of Containers	
BCG0167-32	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E2-10		07/19/2021 13:15	
Lab ID	Matrix	Quantity of Containers	
BCG0167-33	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5

Total Number of Samples received: 2



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Tetra Tech, Inc.	AETL Job Number:	BCG0167.Rev01	Site:	LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number:	[none]		West 69th St.
Pasadena, CA 91107-6024	Attention:	Mark Feldman		Los Angeles, CA 90047
	Project Name:	LAUSD Bethune Middle School	Reported:	08/05/2021 14:50

Positive Hits Summary

Lab ID	Client ID				Sampled
BCG0167-32	E2-7.5				07/19/2021 13:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.3		% wt	08/02/2021 12:00

Lab ID	Client ID				Sampled
BCG0167-33	E2-10				07/19/2021 13:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.30		% wt	08/02/2021 12:00



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167.Rev01 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 08/05/2021 14:50
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Analytical Results

Client ID: E2-7.5

Lab ID: BCG0167-32 (Soil)

Sampled: 07/19/21 13:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	69.3%				30-150		07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C
Surrogate: Tetrachloro-m-xylene	109%				30-150		07/30/21 10:31	08/04/21 15:50	B1H0051	AM	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.3		1		0.100	% wt	08/02/21 12:00	08/02/21 12:00	B1H0079	BK	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0167.Rev01 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune Middle School	Site: LAUSD Bethune Middle School West 69th St. Los Angeles, CA 90047 Reported: 08/05/2021 14:50
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------

Analytical Results

Client ID: E2-10

Lab ID: BCG0167-33 (Soil)

Sampled: 07/19/21 13:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
<hr/>											
				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	76.9%				30-150		07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C
Surrogate: Tetrachloro-m-xylene	82.1%				30-150		07/30/21 10:31	08/04/21 16:09	B1H0051	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.30		1		0.100	% wt	08/02/21 12:00	08/02/21 12:00	B1H0079	BK	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0167.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune Middle School

Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047
Reported: 08/05/2021 14:50

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1H0079 - ASTM-D2216					Prepared: 08/02/2021 12:00						
Method Blank (B1H0079-BLK1)					Analyzed: 08/02/2021 12:00						
Moisture Content	100		0.100	% wt							



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Tetra Tech, Inc.
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Pasadena, CA 91107-6024

AETL Job Number: BCG0167.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune Middle School

Site: LAUSD Bethune Middle School
West 69th St.
Los Angeles, CA 90047
Reported: 08/05/2021 14:50

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1H0079 - ASTM-D2216 (Continued)					Prepared: 08/02/2021 12:00						
Duplicate (B1H0079-DUP1)					Analyzed: 08/02/2021 12:00						
Moisture Content	13.6		0.100	% wt		14.3			4.72	15	



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Tetra Tech, Inc.	AETL Job Number: BCG0167.Rev01	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 08/05/2021 14:50

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1H0051 - 3540C					Prepared: 07/30/2021 10:31						
Method Blank (B1H0051-BLK1)					Analyzed: 08/04/2021 15:30						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	16.3			ug/kg wet	25.0		65.1	30-150			
Surrogate: Tetrachloro-m-xylene	12.3			ug/kg wet	25.0		49.0	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0167.Rev01	Site: LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 08/05/2021 14:50

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1H0051 - 3540C (Continued)					Prepared: 07/30/2021 10:31						
LCS (B1H0051-BS1)					Analyzed: 08/04/2021 10:57						
Aroclor-1016 (PCB-1016)	243	20.0	50.0	ug/kg wet	250		97.2	50-150			
Aroclor-1260 (PCB-1260)	202	20.0	50.0	ug/kg wet	250		80.8	50-150			
Surrogate: Decachlorobiphenyl	19.2			ug/kg wet	25.0		76.6	30-150			
Surrogate: Tetrachloro-m-xylene	13.3			ug/kg wet	25.0		53.2	30-150			
LCSD (B1H0051-BSD1)					Analyzed: 08/04/2021 13:54						
Aroclor-1016 (PCB-1016)	243	20.0	50.0	ug/kg wet	250		97.3	50-150	<1.00	40	
Aroclor-1260 (PCB-1260)	191	20.0	50.0	ug/kg wet	250		76.5	50-150	5.44	40	
Surrogate: Decachlorobiphenyl	17.4			ug/kg wet	25.0		69.6	30-150			
Surrogate: Tetrachloro-m-xylene	13.7			ug/kg wet	25.0		54.6	30-150			
Matrix Spike (B1H0051-MS1)					Source: BCG0200-28		Analyzed: 08/04/2021 14:52				
Aroclor-1016 (PCB-1016)	203	20.0	50.0	ug/kg dry	280	ND	72.5	50-150			
Aroclor-1260 (PCB-1260)	201	20.0	50.0	ug/kg dry	280	ND	71.9	50-150			
Surrogate: Decachlorobiphenyl	22.4			ug/kg dry	28.0		79.9	30-150			
Surrogate: Tetrachloro-m-xylene	14.9			ug/kg dry	28.0		53.1	30-150			
Matrix Spike Dup (B1H0051-MSD1)					Source: BCG0200-28		Analyzed: 08/04/2021 15:11				
Aroclor-1016 (PCB-1016)	204	20.0	50.0	ug/kg dry	280	ND	73.0	50-150	<1.00	40	
Aroclor-1260 (PCB-1260)	204	20.0	50.0	ug/kg dry	280	ND	73.0	50-150	1.40	40	
Surrogate: Decachlorobiphenyl	20.0			ug/kg dry	28.0		71.6	30-150			
Surrogate: Tetrachloro-m-xylene	14.6			ug/kg dry	28.0		52.2	30-150			



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3475 East Foothill Boulevard	Project Number: [none]	West 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90047
	Project Name: LAUSD Bethune Middle School	Reported: 08/05/2021 14:50

Qualifiers and Definitions

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health



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Tetra Tech, Inc.	AETL Job Number:	BCG0167.Rev01	Site:	LAUSD Bethune Middle School
3475 East Foothill Boulevard	Project Number:	[none]		West 69th St.
Pasadena, CA 91107-6024	Attention:	Mark Feldman		Los Angeles, CA 90047
	Project Name:	LAUSD Bethune Middle School	Reported:	08/05/2021 14:50

nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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July 28, 2021

AETL Job No: BCG0183
Received Date: 07/21/2021
Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: LAUSD Bethune MS
Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Corey Jones
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethane Middle School Project Number: [none]
Work Order Number: BCG0183

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD
123577

COMPANY Tetra Tech Inc 3475 E Foothill Blvd LAUSD Bethune HS W. 69th St LA, CA		PROJECT MANAGER Mark Feldner PHONE EMAIL		PROJECT # PO #		TEST INSTRUCTIONS & COMMENTS Analyst's is PCBs 8082A Soxhlet extraction dry weight basis Hold marked samples pending results.			
COMPANY ADDRESS 3475 E Foothill Blvd LAUSD Bethune HS W. 69th St LA, CA		PROJECT # PO #		ANALYSIS REQUESTED		RELINQUISHED BY:			
SITE NAME AND ADDRESS LAUSD Bethune HS W. 69th St LA, CA		DATE 7-20-21		TIME 0715		RELINQUISHED BY:			
SAMPLE ID B2-1 B2-3 B2-5 B2-7.5 B2-10 A2-1 A2-3 A2-5 A2-7.5 A2-7.5-Dup A2-10 A3-1 A3-3 A3-3-Dup A3-5		LAB ID BCG0183-01 -02 -03 -04 -05 -06 -07 -08 -09 -10 -11 -12 -13 -14 -15		MATRIX Soil Soil Soil Soil Soil Soil Soil Soil Soil Soil Soil Soil Soil Soil		CONTAINER NUMBER/SIZE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		PRES. NA NA NA NA NA NA NA NA NA NA NA NA NA NA	
TOTAL NUMBER OF CONTAINERS: 15		RELINQUISHED BY:		RELINQUISHED BY:		RELINQUISHED BY:			
BILLING INFORMATION / SPECIAL INSTRUCTIONS		RELINQUISHED BY:		RELINQUISHED BY:		RELINQUISHED BY:			
TURN AROUND TIME NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH <input type="checkbox"/>		DATA DELIVERABLE REQUIRED HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY) <input type="checkbox"/>		RELINQUISHED BY:		RELINQUISHED BY:			
Signature: Date: 7/21/21 Time: 0830		Signature: Date: 7/21/21 Time: 0830		Signature: Date: 7/21/21 Time: 0830		Signature: Date: 7/21/21 Time: 0830			
Signature: Date: 7/21/21 Time: 0830		Signature: Date: 7/21/21 Time: 0830		Signature: Date: 7/21/21 Time: 0830		Signature: Date: 7/21/21 Time: 0830			



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CHAIN OF CUSTODY RECORD
123578

Page 2 of 5

AETL JOB No. BCG0183

COMPANY	Tetra Tech		PROJECT MANAGER
COMPANY ADDRESS	PHONE		EMAIL
PROJECT NAME	PROJECT #		PO #
SITE NAME AND ADDRESS			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
A3-7.5	BCG0183-16	7-20-21	0900	Soil	1	μA
A3-10	17		0905			
B3-1	18		0920			
B3-3	19		0925			
B3-5	20		0930			
B3-7.5	21		0935			
B3-10	22		0940			
C3-1	23		0945			
C3-3	24		0950			
C3-5	25		1000			
C3-5-dup	26		1000			
C3-7.5	27		1010			
C3-10	28		1015			
D3-1	29		1025			
D3-3	30		1030			

TOTAL NUMBER OF CONTAINERS: 15

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME	DATA DELIVERABLE REQUIRED
<input type="checkbox"/> NORMAL <input type="checkbox"/> 2 DAYS RUSH <input checked="" type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH	<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

ANALYSIS REQUESTED			TEST INSTRUCTIONS & COMMENTS		
PCBs 0082A					
Moisture					
X					Hold
X					Hold
X					
X					Hold
X					Hold
X					
X					Hold
X					Hold
X					
X					Hold
X					Hold

RELINQUISHED BY: 1. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]

RELINQUISHED BY: 2. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]

RELINQUISHED BY: 3. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]

RELINQUISHED BY: 4. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]

RELINQUISHED BY: 5. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]



AMERICAN ENVIRONMENTAL TESTING LABORATORY
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CHAIN OF CUSTODY RECORD

123579

COMPANY Tetra Tech		PROJECT MANAGER		AETL JOB No. BCG0183		Page 3 of 5	
COMPANY ADDRESS		PHONE EMAIL		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME LACSD Bethune MS		PROJECT # PO #					
SITE NAME AND ADDRESS							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
D3-5	BCG0183-3	17-10-21	1035	5.1	1	NA	
D3-7.5	1.32		1038				
D3-10	1.33		1040				
E3-1	1.34		1105				
E3-3	1.35		1110				
E3-3-Dup	1.36		1110				
E3-5	1.37		1112				
E3-7.5	1.38		1120				
E3-10	1.39		1125				
F3-1	1.40		1130				
F3-3	1.41		1140				
F3-5	1.42		1148				
F3-7.5	1.43		1155				
F3-10	1.44		1158				
F4-1	1.45		1240				
TOTAL NUMBER OF CONTAINERS:		15					
BILLING INFORMATION / SPECIAL INSTRUCTIONS							
TURN AROUND TIME		DATA DELIVERABLE REQUIRED					
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> SAME DAY RUSH	<input type="checkbox"/> NEXT DAY RUSH	<input type="checkbox"/> HARD COPY	<input type="checkbox"/> E-COPY			
<input type="checkbox"/> 2 DAYS RUSH	<input type="checkbox"/> 3 DAYS RUSH	<input type="checkbox"/> 4 DAYS RUSH	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	<input type="checkbox"/> OTHER (PLEASE SPECIFY)			
RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.			
Signature: <i>Jagan Cook</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>			
Printed Name: <i>Jagan Cook</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>			
Date: <i>7/21/21</i>		Date: <i>7/21/21</i>		Date: <i>7/21/21</i>			
Time: <i>0830</i>		Time: <i>0830</i>		Time: <i>0930</i>			
RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.			
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>			
Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>			
Date: <i>7/21/21</i>		Date: <i>7/21/21</i>		Date: <i>7/21/21</i>			
Time: <i>0830</i>		Time: <i>0830</i>		Time: <i>0930</i>			
RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.			
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>			
Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>			
Date: <i>7/21/21</i>		Date: <i>7/21/21</i>		Date: <i>7/21/21</i>			
Time: <i>0830</i>		Time: <i>0830</i>		Time: <i>0930</i>			
RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.			
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>			
Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>			
Date: <i>7/21/21</i>		Date: <i>7/21/21</i>		Date: <i>7/21/21</i>			
Time: <i>0830</i>		Time: <i>0830</i>		Time: <i>0930</i>			

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, ~~YELLOW - Sampler/Originator~~



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CHAIN OF CUSTODY RECORD
123581

W810925

AETL JOB No.

Page 5 of 5

[illegible]



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COOLER RECEIPT FORM

Client Name: <u>Tetra Tech</u>				
Project Name:				
AETL Job Number: <u>BCG0189</u>				
Date Received: <u>7/21/21</u> Received by: <u>Sargi's Pireh</u>				
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GLS <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4°C</u> , No 2: , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input checked="" type="checkbox"/> Others (Specify): <u>Sleeves</u>				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Samples Received

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
B2-1		07/20/2021 7:15	
Lab ID	Matrix	Quantity of Containers	
BCG0183-01	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
B2-3		07/20/2021 7:25	
Lab ID	Matrix	Quantity of Containers	
BCG0183-02	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
B2-5		07/20/2021 7:30	
Lab ID	Matrix	Quantity of Containers	
BCG0183-03	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Samples Received

(Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
A2-1		07/20/2021 7:50	
Lab ID	Matrix	Quantity of Containers	
BCG0183-06	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A2-3		07/20/2021 7:55	
Lab ID	Matrix	Quantity of Containers	
BCG0183-07	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A2-5		07/20/2021 8:05	
Lab ID	Matrix	Quantity of Containers	
BCG0183-08	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
A3-1		07/20/2021 8:30	
Lab ID	Matrix	Quantity of Containers	
BCG0183-12	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A3-3		07/20/2021 8:35	
Lab ID	Matrix	Quantity of Containers	
BCG0183-13	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A3-3Dup		07/20/2021 8:35	
Lab ID	Matrix	Quantity of Containers	
BCG0183-14	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
A3-5		07/20/2021 8:45	
Lab ID	Matrix	Quantity of Containers	
BCG0183-15	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
B3-1		07/20/2021 9:20	
Lab ID	Matrix	Quantity of Containers	
BCG0183-18	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
B3-3		07/20/2021 9:25	
Lab ID	Matrix	Quantity of Containers	
BCG0183-19	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Name: LAUSD Bethune MS

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Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
B3-5		07/20/2021 9:30	
Lab ID	Matrix	Quantity of Containers	
BCG0183-20	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C3-1		07/20/2021 9:45	
Lab ID	Matrix	Quantity of Containers	
BCG0183-23	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C3-3		07/20/2021 9:50	
Lab ID	Matrix	Quantity of Containers	
BCG0183-24	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
C3-5		07/20/2021 10:00	
Lab ID	Matrix	Quantity of Containers	
BCG0183-25	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C3-5Dup		07/20/2021 10:00	
Lab ID	Matrix	Quantity of Containers	
BCG0183-26	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
D3-1		07/20/2021 10:25	
Lab ID	Matrix	Quantity of Containers	
BCG0183-29	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BCG0183
Project Number: [none]
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Project Name: LAUSD Bethune MS

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Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Samples Received

(Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
D3-3		07/20/2021 10:30	
Lab ID	Matrix	Quantity of Containers	
BCG0183-30	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
D3-5		07/20/2021 10:35	
Lab ID	Matrix	Quantity of Containers	
BCG0183-31	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E3-1		07/20/2021 11:05	
Lab ID	Matrix	Quantity of Containers	
BCG0183-34	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
E3-3		07/20/2021 11:10	
Lab ID	Matrix	Quantity of Containers	
BCG0183-35	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E3-3Dup		07/20/2021 11:10	
Lab ID	Matrix	Quantity of Containers	
BCG0183-36	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E3-5		07/20/2021 11:12	
Lab ID	Matrix	Quantity of Containers	
BCG0183-37	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
F3-1		07/20/2021 11:30	
Lab ID	Matrix	Quantity of Containers	
BCG0183-40	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F3-3		07/20/2021 11:40	
Lab ID	Matrix	Quantity of Containers	
BCG0183-41	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F3-5		07/20/2021 11:48	
Lab ID	Matrix	Quantity of Containers	
BCG0183-42	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
F4-1		07/20/2021 12:40	
Lab ID	Matrix	Quantity of Containers	
BCG0183-45	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F4-3		07/20/2021 12:50	
Lab ID	Matrix	Quantity of Containers	
BCG0183-46	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F4-5		07/20/2021 12:55	
Lab ID	Matrix	Quantity of Containers	
BCG0183-47	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
F5-1		07/20/2021 13:15	
Lab ID	Matrix	Quantity of Containers	
BCG0183-51	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F5-3		07/20/2021 13:20	
Lab ID	Matrix	Quantity of Containers	
BCG0183-52	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F5-5		07/20/2021 13:25	
Lab ID	Matrix	Quantity of Containers	
BCG0183-53	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Reported: 07/28/2021 15:35

Samples Received

(Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
G5-1		07/20/2021 13:45	
Lab ID	Matrix	Quantity of Containers	
BCG0183-56	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G5-3		07/20/2021 13:50	
Lab ID	Matrix	Quantity of Containers	
BCG0183-57	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G5-5		07/20/2021 13:55	
Lab ID	Matrix	Quantity of Containers	
BCG0183-58	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

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Reported: 07/28/2021 15:35

Samples Received (Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID		Sample Date	
F2-1		07/20/2021 14:15	
Lab ID	Matrix	Quantity of Containers	
BCG0183-61	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F2-3		07/20/2021 14:20	
Lab ID	Matrix	Quantity of Containers	
BCG0183-62	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F2-5		07/20/2021 14:25	
Lab ID	Matrix	Quantity of Containers	
BCG0183-63	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Samples Received

(Continued)

AETL received the following samples on 07/21/2021 with the following specifications

Client ID
EB-072021

Sample Date
07/20/2021 7:10

Lab ID
BCG0183-67

Matrix
Aqueous

Quantity of Containers
1

Method
EPA 8082

Analyte
Polychlorinated Biphenyls (PCBs)

Units
ug/L

TAT
5

Total Number of Samples received: 40



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AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

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Reported: 07/28/2021 15:35

Positive Hits Summary

Lab ID	Client ID				Sampled
BCG0183-01	B2-1				07/20/2021 07:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	3250	DIL	ug/kg dry	07/23/2021 20:06
EPA 8082	Aroclor-1254 (PCB-1254)	444	DIL	ug/kg dry	07/23/2021 20:06
ASTM D2216	Moisture Content	6.51		% wt	07/23/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-02	B2-3				07/20/2021 07:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	536		ug/kg dry	07/23/2021 20:25
EPA 8082	Aroclor-1254 (PCB-1254)	82.0		ug/kg dry	07/23/2021 20:25
ASTM D2216	Moisture Content	15.3		% wt	07/23/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-03	B2-5				07/20/2021 07:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	16.8		% wt	07/23/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-06	A2-1				07/20/2021 07:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	6470	DIL	ug/kg dry	07/23/2021 21:03
EPA 8082	Aroclor-1254 (PCB-1254)	810	DIL	ug/kg dry	07/23/2021 21:03
ASTM D2216	Moisture Content	7.42		% wt	07/23/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-07	A2-3				07/20/2021 07:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	20600	DIL	ug/kg dry	07/23/2021 21:23
ASTM D2216	Moisture Content	9.86		% wt	07/23/2021 12:00



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0183-08	A2-5				07/20/2021 08:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	114		ug/kg dry	07/23/2021 21:42
ASTM D2216	Moisture Content	15.2		% wt	07/23/2021 12:00
Lab ID	Client ID				Sampled
BCG0183-12	A3-1				07/20/2021 08:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	12000	DIL	ug/kg dry	07/23/2021 22:20
EPA 8082	Aroclor-1254 (PCB-1254)	1520	DIL	ug/kg dry	07/23/2021 22:20
ASTM D2216	Moisture Content	9.25		% wt	07/23/2021 12:00
Lab ID	Client ID				Sampled
BCG0183-13	A3-3				07/20/2021 08:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1140		ug/kg dry	07/23/2021 22:39
ASTM D2216	Moisture Content	14.0		% wt	07/23/2021 12:00
Lab ID	Client ID				Sampled
BCG0183-14	A3-3Dup				07/20/2021 08:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	422		ug/kg dry	07/23/2021 22:59
ASTM D2216	Moisture Content	14.1		% wt	07/23/2021 12:00
Lab ID	Client ID				Sampled
BCG0183-15	A3-5				07/20/2021 08:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.3		% wt	07/23/2021 12:00



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AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
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Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0183-18	B3-1				07/20/2021 09:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	12700	DIL	ug/kg dry	07/23/2021 23:37
EPA 8082	Aroclor-1254 (PCB-1254)	1600	DIL	ug/kg dry	07/23/2021 23:37
ASTM D2216	Moisture Content	10.6		% wt	07/23/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-19	B3-3				07/20/2021 09:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	58.3		ug/kg dry	07/23/2021 23:56
ASTM D2216	Moisture Content	14.2		% wt	07/23/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-20	B3-5				07/20/2021 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	38.4	J	ug/kg dry	07/24/2021 00:15
ASTM D2216	Moisture Content	12.5		% wt	07/23/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-23	C3-1				07/20/2021 09:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	24000	DIL	ug/kg dry	07/24/2021 00:34
ASTM D2216	Moisture Content	10.9		% wt	07/23/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-24	C3-3				07/20/2021 09:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	13.1		% wt	07/26/2021 12:00



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AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
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Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0183-25	C3-5				07/20/2021 10:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	30.1	J	ug/kg dry	07/24/2021 01:13
ASTM D2216	Moisture Content	15.4		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-26	C3-5Dup				07/20/2021 10:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	22.9	J	ug/kg dry	07/24/2021 01:32
ASTM D2216	Moisture Content	15.2		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-29	D3-1				07/20/2021 10:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	8180	DIL	ug/kg dry	07/24/2021 02:10
ASTM D2216	Moisture Content	10.8		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-30	D3-3				07/20/2021 10:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	21.0	J	ug/kg dry	07/24/2021 02:30
ASTM D2216	Moisture Content	20.2		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-31	D3-5				07/20/2021 10:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.2		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-34	E3-1				07/20/2021 11:05
Method	Analyte	Result	Qualifier	Unit	Analyzed



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0183-34	E3-1				07/20/2021 11:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	12500	DIL	ug/kg dry	07/24/2021 04:44
EPA 8082	Aroclor-1254 (PCB-1254)	1730	DIL	ug/kg dry	07/24/2021 04:44
ASTM D2216	Moisture Content	9.14		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-35	E3-3				07/20/2021 11:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	28.9		ug/kg dry	07/24/2021 05:03
ASTM D2216	Moisture Content	16.8		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-36	E3-3Dup				07/20/2021 11:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	39.9		ug/kg dry	07/24/2021 05:22
ASTM D2216	Moisture Content	18.3		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-37	E3-5				07/20/2021 11:12
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	11.2	J	ug/kg dry	07/24/2021 06:01
ASTM D2216	Moisture Content	9.24		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-40	F3-1				07/20/2021 11:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	2010	DIL	ug/kg dry	07/24/2021 06:20
EPA 8082	Aroclor-1254 (PCB-1254)	285	DIL	ug/kg dry	07/24/2021 06:20
ASTM D2216	Moisture Content	8.95		% wt	07/26/2021 12:00



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0183 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune MS	Site: LAUSD Bethune MS W. 69th St. Los Angeles, CA 90044 Reported: 07/28/2021 15:35
-----------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0183-41	F3-3				07/20/2021 11:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	10.3	J	ug/kg dry	07/24/2021 06:39
ASTM D2216	Moisture Content	16.5		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-42	F3-5				07/20/2021 11:48
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.6		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-45	F4-1				07/20/2021 12:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	199		ug/kg dry	07/24/2021 07:17
EPA 8082	Aroclor-1254 (PCB-1254)	39.5		ug/kg dry	07/24/2021 07:17
ASTM D2216	Moisture Content	8.62		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-46	F4-3				07/20/2021 12:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	44.3		ug/kg dry	07/24/2021 07:37
ASTM D2216	Moisture Content	8.78		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-47	F4-5				07/20/2021 12:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	12.5	J	ug/kg dry	07/24/2021 07:56
ASTM D2216	Moisture Content	14.5		% wt	07/26/2021 12:00



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Reported: 07/28/2021 15:35

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0183-51	F5-1				07/20/2021 13:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	89500	DIL	ug/kg dry	07/24/2021 08:15
ASTM D2216	Moisture Content	28.8		% wt	07/26/2021 12:00
Lab ID	Client ID				Sampled
BCG0183-52	F5-3				07/20/2021 13:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.4		% wt	07/26/2021 12:00
Lab ID	Client ID				Sampled
BCG0183-53	F5-5				07/20/2021 13:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	14.1	J	ug/kg dry	07/24/2021 08:53
ASTM D2216	Moisture Content	14.0		% wt	07/26/2021 12:00
Lab ID	Client ID				Sampled
BCG0183-56	G5-1				07/20/2021 13:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4650	DIL	ug/kg dry	07/24/2021 09:12
EPA 8082	Aroclor-1254 (PCB-1254)	514	DIL	ug/kg dry	07/24/2021 09:12
ASTM D2216	Moisture Content	10.5		% wt	07/26/2021 12:00
Lab ID	Client ID				Sampled
BCG0183-57	G5-3				07/20/2021 13:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	25.8		ug/kg dry	07/24/2021 09:51
ASTM D2216	Moisture Content	15.0		% wt	07/26/2021 12:00



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0183-58	G5-5				07/20/2021 13:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	15.4	J	ug/kg dry	07/24/2021 10:10
ASTM D2216	Moisture Content	15.9		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-61	F2-1				07/20/2021 14:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	3310	DIL	ug/kg dry	07/24/2021 10:29
EPA 8082	Aroclor-1254 (PCB-1254)	551	DIL	ug/kg dry	07/24/2021 10:29
ASTM D2216	Moisture Content	8.29		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-62	F2-3				07/20/2021 14:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	38.5		ug/kg dry	07/24/2021 10:48
ASTM D2216	Moisture Content	15.5		% wt	07/26/2021 12:00

Lab ID	Client ID				Sampled
BCG0183-63	F2-5				07/20/2021 14:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	13.1		% wt	07/26/2021 12:00



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: B2-1

Lab ID: BCG0183-01 (Soil)

Sampled: 07/20/21 7:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	3250	DIL	5	100	250	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	444	DIL	5	100	250	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
<hr/>											
				Recovery	Acceptance Criteria						
Surrogate: Decachlorobiphenyl	30.0%				30-150		07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C
Surrogate: Tetrachloro-m-xylene	30.0%				30-150		07/22/21 16:47	07/23/21 20:06	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.51		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: B2-3

Lab ID: BCG0183-02 (Soil)

Sampled: 07/20/21 7:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	536		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	82.0		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
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				Recovery	Acceptance Criteria						
Surrogate: Decachlorobiphenyl	74.4%				30-150		07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C
Surrogate: Tetrachloro-m-xylene	72.8%				30-150		07/22/21 16:47	07/23/21 20:25	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.3		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: B2-5

Lab ID: BCG0183-03 (Soil)

Sampled: 07/20/21 7:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 20:44	B1G0484	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

85.6%
73.3%

Acceptance Criteria

30-150
30-150

07/22/21 16:47
07/22/21 16:47

07/23/21 20:44
07/23/21 20:44

B1G0484
B1G0484

ATS
ATS

3540C
3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.8		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: A2-1

Lab ID: BCG0183-06 (Soil)

Sampled: 07/20/21 7:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	6470	DIL	10	200	500	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	810	DIL	10	200	500	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	68.5%						07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	74.5%						07/22/21 16:47	07/23/21 21:03	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.42		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: A2-3

Lab ID: BCG0183-07 (Soil)

Sampled: 07/20/21 7:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	20600	DIL	20	400	1000	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
<hr/>											
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	69.3%						07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C
Surrogate: Tetrachloro-m-xylene	120%						07/22/21 16:47	07/23/21 21:23	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.86		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: A2-5

Lab ID: BCG0183-08 (Soil)

Sampled: 07/20/21 8:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	114		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	71.9%					30-150	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C
Surrogate: Tetrachloro-m-xylene	73.3%					30-150	07/22/21 16:47	07/23/21 21:42	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.2		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: A3-1

Lab ID: BCG0183-12 (Soil)

Sampled: 07/20/21 8:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	12000	DIL	10	200	500	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	1520	DIL	10	200	500	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:20	B1G0484	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	36.2%			<i>30-150</i> 07/22/21 16:47 07/23/21 22:20 B1G0484 ATS 3540C							
<i>Surrogate: Tetrachloro-m-xylene</i>	35.3%			<i>30-150</i> 07/22/21 16:47 07/23/21 22:20 B1G0484 ATS 3540C							

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.25		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: A3-3

Lab ID: BCG0183-13 (Soil)

Sampled: 07/20/21 8:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
Aroclor-1248 (PCB-1248)	1140	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	84.2%	30-150					07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	69.0%	30-150					07/22/21 16:47	07/23/21 22:39	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.0		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: A3-3Dup

Lab ID: BCG0183-14 (Soil)

Sampled: 07/20/21 8:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	422		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	77.4%				30-150		07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C
Surrogate: Tetrachloro-m-xylene	70.4%				30-150		07/22/21 16:47	07/23/21 22:59	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.1		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: A3-5

Lab ID: BCG0183-15 (Soil)

Sampled: 07/20/21 8:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:18	B1G0484	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

79.8%
71.3%

Acceptance Criteria

30-150
30-150

07/22/21 16:47
07/22/21 16:47

07/23/21 23:18
07/23/21 23:18

B1G0484
B1G0484

ATS
ATS

3540C
3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.3		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: B3-1

Lab ID: BCG0183-18 (Soil)

Sampled: 07/20/21 9:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	12700	DIL	10	200	500	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	1600	DIL	10	200	500	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	77.6%						07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	70.5%						07/22/21 16:47	07/23/21 23:37	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.6		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: B3-3

Lab ID: BCG0183-19 (Soil)

Sampled: 07/20/21 9:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
Aroclor-1248 (PCB-1248)	58.3	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	85.1%	30-150					07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	61.1%	30-150					07/22/21 16:47	07/23/21 23:56	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.2		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: B3-5

Lab ID: BCG0183-20 (Soil)

Sampled: 07/20/21 9:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	38.4	J	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
<hr/>											
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	72.8%						07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C
Surrogate: Tetrachloro-m-xylene	61.4%						07/22/21 16:47	07/24/21 00:15	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.5		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: C3-1

Lab ID: BCG0183-23 (Soil)

Sampled: 07/20/21 9:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	24000	DIL	20	400	1000	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:34	B1G0484	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	<i>81.6%</i>						07/22/21 16:47	<i>07/24/21 00:34</i>	B1G0484	<i>ATS</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>88.6%</i>						07/22/21 16:47	<i>07/24/21 00:34</i>	B1G0484	<i>ATS</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.9		1		0.100	% wt	07/23/21 12:00	07/23/21 12:00	B1G0578	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: C3-3

Lab ID: BCG0183-24 (Soil)

Sampled: 07/20/21 9:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 00:54	B1G0484	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

73.2%
71.9%

Acceptance Criteria

30-150
30-150

07/22/21 16:47
07/22/21 16:47

07/24/21 00:54
07/24/21 00:54

B1G0484
B1G0484

ATS
ATS

3540C
3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.1		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: C3-5

Lab ID: BCG0183-25 (Soil)

Sampled: 07/20/21 10:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	30.1	J	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	65.0%						07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	54.9%						07/22/21 16:47	07/24/21 01:13	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.4		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: C3-5Dup

Lab ID: BCG0183-26 (Soil)

Sampled: 07/20/21 10:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	22.9	J	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 01:32	B1G0484	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	77.4%			<i>30-150</i>			07/22/21 16:47	<i>07/24/21 01:32</i>	B1G0484	<i>ATS</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	66.1%			<i>30-150</i>			07/22/21 16:47	<i>07/24/21 01:32</i>	B1G0484	<i>ATS</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.2		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: D3-1

Lab ID: BCG0183-29 (Soil)

Sampled: 07/20/21 10:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	8180	DIL	10	200	500	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	70.4%						07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	73.4%						07/22/21 16:47	07/24/21 02:10	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.8		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: D3-3

Lab ID: BCG0183-30 (Soil)

Sampled: 07/20/21 10:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	21.0	J	1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	86.3%						07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	83.5%						07/22/21 16:47	07/24/21 02:30	B1G0484	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	20.2		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: D3-5

Lab ID: BCG0183-31 (Soil)

Sampled: 07/20/21 10:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/22/21 16:47	07/24/21 02:49	B1G0484	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

74.7%
72.2%

Acceptance Criteria

30-150
30-150

07/22/21 16:47
07/22/21 16:47

07/24/21 02:49
07/24/21 02:49

B1G0484
B1G0484

ATS
ATS

3540C
3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.2		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: E3-1

Lab ID: BCG0183-34 (Soil)

Sampled: 07/20/21 11:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	12500	DIL	10	100	250	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	1730	DIL	10	100	250	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	64.7%						07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	73.0%						07/22/21 16:49	07/24/21 04:44	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.14		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: E3-3

Lab ID: BCG0183-35 (Soil)

Sampled: 07/20/21 11:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	28.9	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
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	Recovery	Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	71.1%					07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	67.9%					07/22/21 16:49	07/24/21 05:03	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.8		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: E3-3Dup

Lab ID: BCG0183-36 (Soil)

Sampled: 07/20/21 11:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	39.9		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
<hr/>											
				Recovery	Acceptance Criteria						
Surrogate: Decachlorobiphenyl	78.8%				30-150		07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C
Surrogate: Tetrachloro-m-xylene	64.7%				30-150		07/22/21 16:49	07/24/21 05:22	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	18.3		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: E3-5

Lab ID: BCG0183-37 (Soil)

Sampled: 07/20/21 11:12

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	11.2	J	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	77.6%						07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	72.9%						07/22/21 16:49	07/24/21 06:01	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.24		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F3-1

Lab ID: BCG0183-40 (Soil)

Sampled: 07/20/21 11:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	2010	DIL	2	20.0	50.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	285	DIL	2	20.0	50.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
<hr/>											
				Recovery	Acceptance Criteria						
Surrogate: Decachlorobiphenyl	74.8%				30-150		07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C
Surrogate: Tetrachloro-m-xylene	77.5%				30-150		07/22/21 16:49	07/24/21 06:20	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.95		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F3-3

Lab ID: BCG0183-41 (Soil)

Sampled: 07/20/21 11:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	10.3	J	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
<hr/>											
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	72.2%						07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C
Surrogate: Tetrachloro-m-xylene	68.5%						07/22/21 16:49	07/24/21 06:39	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.5		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F3-5

Lab ID: BCG0183-42 (Soil)

Sampled: 07/20/21 11:48

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 06:58	B1G0485	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

68.3%
70.0%

Acceptance Criteria

30-150
30-150

07/22/21 16:49 07/24/21 06:58 B1G0485 ATS 3540C
07/22/21 16:49 07/24/21 06:58 B1G0485 ATS 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.6		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F4-1

Lab ID: BCG0183-45 (Soil)

Sampled: 07/20/21 12:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	199		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	39.5		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
<hr/>											
				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	60.4%				30-150		07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C
Surrogate: Tetrachloro-m-xylene	58.8%				30-150		07/22/21 16:49	07/24/21 07:17	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.62		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0580	cs	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F4-3

Lab ID: BCG0183-46 (Soil)

Sampled: 07/20/21 12:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	44.3		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
<hr/>											
				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	63.3%				30-150		07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C
Surrogate: Tetrachloro-m-xylene	52.6%				30-150		07/22/21 16:49	07/24/21 07:37	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.78		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F4-5

Lab ID: BCG0183-47 (Soil)

Sampled: 07/20/21 12:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	12.5	J	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	81.1%						07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	65.1%						07/22/21 16:49	07/24/21 07:56	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.5		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F5-1

Lab ID: BCG0183-51 (Soil)

Sampled: 07/20/21 13:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	89500	DIL	100	1000	2500	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	80.9%						07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	76.4%						07/22/21 16:49	07/24/21 08:15	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	28.8		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F5-3

Lab ID: BCG0183-52 (Soil)

Sampled: 07/20/21 13:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl	70.0%				30-150		07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C
Surrogate: Tetrachloro-m-xylene	70.0%				30-150		07/22/21 16:49	07/24/21 08:34	B1G0485	ATS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.4		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F5-5

Lab ID: BCG0183-53 (Soil)

Sampled: 07/20/21 13:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	14.1	J	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
<hr/>											
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	82.4%						07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C
Surrogate: Tetrachloro-m-xylene	79.1%						07/22/21 16:49	07/24/21 08:53	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.0		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: G5-1

Lab ID: BCG0183-56 (Soil)

Sampled: 07/20/21 13:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	4650	DIL	5	50.0	125	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	514	DIL	5	50.0	125	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	65.5%						07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	72.7%						07/22/21 16:49	07/24/21 09:12	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.5		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: G5-3

Lab ID: BCG0183-57 (Soil)

Sampled: 07/20/21 13:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	25.8	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
<hr/>										
	Recovery	Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	65.9%					07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	70.4%					07/22/21 16:49	07/24/21 09:51	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.0		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: G5-5

Lab ID: BCG0183-58 (Soil)

Sampled: 07/20/21 13:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	15.4	J	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	80.5%						07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	76.1%						07/22/21 16:49	07/24/21 10:10	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.9		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F2-1

Lab ID: BCG0183-61 (Soil)

Sampled: 07/20/21 14:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	3310	DIL	5	50.0	125	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	551	DIL	5	50.0	125	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	68.4%						07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	100%						07/22/21 16:49	07/24/21 10:29	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.29		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F2-3

Lab ID: BCG0183-62 (Soil)

Sampled: 07/20/21 14:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	38.5	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND	1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
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	Recovery	Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	73.1%					07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	56.8%					07/22/21 16:49	07/24/21 10:48	B1G0485	ATS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.5		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: F2-5

Lab ID: BCG0183-63 (Soil)

Sampled: 07/20/21 14:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	07/22/21 16:49	07/24/21 11:07	B1G0485	ATS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

76.7%
72.1%

Acceptance Criteria

30-150
30-150

07/22/21 16:49 07/24/21 11:07 B1G0485 ATS 3540C
07/22/21 16:49 07/24/21 11:07 B1G0485 ATS 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.1		1		0.100	% wt	07/26/21 12:00	07/26/21 12:00	B1G0583	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Analytical Results

Client ID: EB-072021

Lab ID: BCG0183-67 (Aqueous)

Sampled: 07/20/21 7:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C

Recovery

Surrogate: Decachlorobiphenyl	127%
Surrogate: Tetrachloro-m-xylene	89.0%

Acceptance Criteria

	30-150	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C
	30-150	07/23/21 13:16	07/26/21 20:04	B1G0531	AM	3510C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0578 - ASTM-D2216					Prepared: 07/23/2021 12:00						
Method Blank (B1G0578-BLK1)					Analyzed: 07/23/2021 12:00						
Moisture Content	100		0.100	% wt							



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Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0578 - ASTM-D2216 (Continued)

Duplicate (B1G0578-DUP1)

Source: BCG0183-01

Prepared: 07/23/2021 12:00

Analyzed: 07/23/2021 12:00

Moisture Content	5.51		0.100	% wt		6.51			16.7	15	
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Batch: B1G0580 - ASTM-D2216

Method Blank (B1G0580-BLK1)

Prepared: 07/26/2021 12:00

Analyzed: 07/26/2021 12:00

Moisture Content	100		0.100	% wt							
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0580 - ASTM-D2216 (Continued)

Duplicate (B1G0580-DUP1)

Source: BCG0183-24

Prepared: 07/26/2021 12:00

Analyzed: 07/26/2021 12:00

Moisture Content	12.9		0.100	% wt		13.1			1.54	15	
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Batch: B1G0583 - ASTM-D2216

Method Blank (B1G0583-BLK1)

Prepared: 07/26/2021 12:00

Analyzed: 07/26/2021 12:00

Moisture Content	100		0.100	% wt							
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0583 - ASTM-D2216 (Continued)					Prepared: 07/26/2021 12:00						
Duplicate (B1G0583-DUP1)					Analyzed: 07/26/2021 12:00						
Moisture Content	7.89		0.100	% wt		8.78			10.6	15	



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3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0531 - 3510C					Prepared: 07/23/2021 13:16						
Method Blank (B1G0531-BLK1)					Analyzed: 07/26/2021 19:25						
Aroclor-1016 (PCB-1016)	ND	1.00	5.00	ug/L							
Aroclor-1221 (PCB-1221)	ND	2.00	10.0	ug/L							
Aroclor-1232 (PCB-1232)	ND	1.00	5.00	ug/L							
Aroclor-1242 (PCB-1242)	ND	1.00	5.00	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.250	2.50	ug/L							
Aroclor-1254 (PCB-1254)	ND	1.00	5.00	ug/L							
Aroclor-1260 (PCB-1260)	ND	1.00	5.00	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.533			ug/L	0.500		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.479			ug/L	0.500		95.9	30-150			



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3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0531 - 3510C (Continued)					Prepared: 07/23/2021 13:16						
LCS (B1G0531-BS1)					Analyzed: 07/26/2021 18:47						
Aroclor-1016 (PCB-1016)	6.10	1.00	5.00	ug/L	5.00		122	40-150			
Aroclor-1260 (PCB-1260)	5.87	1.00	5.00	ug/L	5.00		117	40-150			
Surrogate: Decachlorobiphenyl	0.448			ug/L	0.500		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.452			ug/L	0.500		90.5	30-150			
LCSD (B1G0531-BSD1)					Analyzed: 07/26/2021 19:06						
Aroclor-1016 (PCB-1016)	5.22	1.00	5.00	ug/L	5.00		104	40-150	15.4	20	
Aroclor-1260 (PCB-1260)	5.64	1.00	5.00	ug/L	5.00		113	40-150	3.96	20	
Surrogate: Decachlorobiphenyl	0.526			ug/L	0.500		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.406			ug/L	0.500		81.1	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0484 - 3540C					Prepared: 07/22/2021 16:47						
Method Blank (B1G0484-BLK1)					Analyzed: 07/23/2021 19:47						
Aroclor-1016 (PCB-1016)	ND	40.0	100	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	40.0	100	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	40.0	100	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	40.0	100	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	40.0	100	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	40.0	100	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	40.0	100	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	40.0	100	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	40.0	100	ug/kg wet							
Surrogate: Decachlorobiphenyl	19.7			ug/kg wet	50.0		39.3	30-150			
Surrogate: Tetrachloro-m-xylene	18.0			ug/kg wet	50.0		36.0	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0183	Site: LAUSD Bethune MS
3475 East Foothill Boulevard	Project Number: [none]	W. 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90044
	Project Name: LAUSD Bethune MS	Reported: 07/28/2021 15:35

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

Batch: B1G0484 - 3540C (Continued)

Prepared: 07/22/2021 16:47

LCS (B1G0484-BS1)

Analyzed: 07/23/2021 18:30

Aroclor-1016 (PCB-1016)	497	40.0	100	ug/kg wet	500		99.4	50-150			
Aroclor-1260 (PCB-1260)	528	40.0	100	ug/kg wet	500		106	50-150			
Surrogate: Decachlorobiphenyl	22.9			ug/kg wet	50.0		45.8	30-150			
Surrogate: Tetrachloro-m-xylene	20.0			ug/kg wet	50.0		39.9	30-150			

LCSD (B1G0484-BSD1)

Analyzed: 07/23/2021 18:49

Aroclor-1016 (PCB-1016)	436	40.0	100	ug/kg wet	500		87.3	50-150	13.0	40	
Aroclor-1260 (PCB-1260)	415	40.0	100	ug/kg wet	500		83.1	50-150	24.0	40	
Surrogate: Decachlorobiphenyl	20.6			ug/kg wet	50.0		41.2	30-150			
Surrogate: Tetrachloro-m-xylene	18.4			ug/kg wet	50.0		36.9	30-150			

Matrix Spike (B1G0484-MS1)

Source: BCG0183-03

Analyzed: 07/23/2021 19:08

Aroclor-1016 (PCB-1016)	393	40.0	100	ug/kg dry	601	ND	65.4	50-150			
Aroclor-1260 (PCB-1260)	379	40.0	100	ug/kg dry	601	ND	63.0	50-150			
Surrogate: Decachlorobiphenyl	41.8			ug/kg dry	60.1		69.6	30-150			
Surrogate: Tetrachloro-m-xylene	36.3			ug/kg dry	60.1		60.4	30-150			

Matrix Spike Dup (B1G0484-MSD1)

Source: BCG0183-03

Analyzed: 07/23/2021 19:27

Aroclor-1016 (PCB-1016)	490	40.0	100	ug/kg dry	601	ND	81.6	50-150	22.1	40	
Aroclor-1260 (PCB-1260)	486	40.0	100	ug/kg dry	601	ND	80.9	50-150	24.8	40	
Surrogate: Decachlorobiphenyl	50.4			ug/kg dry	60.1		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	46.1			ug/kg dry	60.1		76.7	30-150			

Batch: B1G0485 - 3540C

Prepared: 07/22/2021 16:49

Method Blank (B1G0485-BLK1)

Analyzed: 07/24/2021 04:25

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	34.3			ug/kg wet	25.0		137	30-150			
Surrogate: Tetrachloro-m-xylene	36.5			ug/kg wet	25.0		146	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0183	Site: LAUSD Bethune MS
3475 East Foothill Boulevard	Project Number: [none]	W. 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90044
	Project Name: LAUSD Bethune MS	Reported: 07/28/2021 15:35

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0485 - 3540C (Continued)

Prepared: 07/22/2021 16:49

LCS (B1G0485-BS1)

Analyzed: 07/24/2021 03:08

Aroclor-1016 (PCB-1016)	328	20.0	50.0	ug/kg wet	500		65.6	50-150			
Aroclor-1260 (PCB-1260)	319	20.0	50.0	ug/kg wet	500		63.8	50-150			
Surrogate: Decachlorobiphenyl	15.0			ug/kg wet	25.0		60.0	30-150			
Surrogate: Tetrachloro-m-xylene	11.2			ug/kg wet	25.0		44.8	30-150			

LCSD (B1G0485-BSD1)

Analyzed: 07/24/2021 03:27

Aroclor-1016 (PCB-1016)	298	20.0	50.0	ug/kg wet	500		59.6	50-150	9.63	40	
Aroclor-1260 (PCB-1260)	358	20.0	50.0	ug/kg wet	500		71.7	50-150	11.7	40	
Surrogate: Decachlorobiphenyl	29.9			ug/kg wet	25.0		120	30-150			
Surrogate: Tetrachloro-m-xylene	19.9			ug/kg wet	25.0		79.5	30-150			

Matrix Spike (B1G0485-MS1)

Source: BCG0183-42

Analyzed: 07/24/2021 03:46

Aroclor-1016 (PCB-1016)	424	20.0	50.0	ug/kg dry	585	ND	72.5	50-150			
Aroclor-1260 (PCB-1260)	395	20.0	50.0	ug/kg dry	585	ND	67.5	50-150			
Surrogate: Decachlorobiphenyl	22.3			ug/kg dry	29.3		76.3	30-150			
Surrogate: Tetrachloro-m-xylene	16.8			ug/kg dry	29.3		57.3	30-150			

Matrix Spike Dup (B1G0485-MSD1)

Source: BCG0183-42

Analyzed: 07/24/2021 04:05

Aroclor-1016 (PCB-1016)	464	20.0	50.0	ug/kg dry	585	ND	79.2	50-150	8.89	40	
Aroclor-1260 (PCB-1260)	464	20.0	50.0	ug/kg dry	585	ND	79.3	50-150	16.1	40	
Surrogate: Decachlorobiphenyl	24.1			ug/kg dry	29.3		82.3	30-150			
Surrogate: Tetrachloro-m-xylene	15.5			ug/kg dry	29.3		53.0	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0183	Site: LAUSD Bethune MS
3475 East Foothill Boulevard	Project Number: [none]	W. 69th St.
Pasadena, CA 91107-6024	Attention: Mark Feldman	Los Angeles, CA 90044
	Project Name: LAUSD Bethune MS	Reported: 07/28/2021 15:35

Qualifiers and Definitions

Item	Qualifiers
DIL	Result for the compound reported from diluted analysis.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0183
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: LAUSD Bethune MS
W. 69th St.
Los Angeles, CA 90044
Reported: 07/28/2021 15:35

N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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July 29, 2021

AETL Job No: BCG0203
Received Date: 07/22/2021
Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: LAUSD Bethune MS
Site: W 69th St.
Los Angeles, CA

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hossein Shahrokhnia
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethane Middle School Project Number: [none]
Work Order Number: BCG0203

1 Cover Letter 1

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

Cooler ID: New Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD

123582

COMPANY		PROJECT MANAGER		AETL JOB No.		Page	
Tetia Tech Inc		Mark Feldman		PCG-0203		1 of 5	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED			
3475 Foothill Blvd		Mark Feldman					
PROJECT NAME		PROJECT #					
L-ANSD Bethune MS							
SITE NAME AND ADDRESS		PO #					
West 69 St, LA, CA							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TEST INSTRUCTIONS & COMMENTS
EB-072121	PCG0203-01	7-21-21	0700	Water	1	NA	Analysis's PORS 0082A Soxhlet-extractio dry weight basis Hold = Hold Analysis
FI-1	.02		0705	Soil	1	NA	
FI-3	.03		0710				
FI-5	.04		0712				
FI-7.5	.05		0715				
FI-10	.06		0720				
GI-1	.07		0740				Hold
GI-1-Dup	.08		0740				Hold
GI-3	.09		0745				
GI-5	.10		0750				
GI-7.5	.11		0800				Hold
GI-10	.12		0805				Hold
G2-1	.13		0815				
G2-3	.14		0820				
G2-5	.15		0825				
TOTAL NUMBER OF CONTAINERS:			65				
BILLING INFORMATION / SPECIAL INSTRUCTIONS							
RECEIVED BY: 1. RELINQUISHED BY: 2. RELINQUISHED BY: 3.							
Signature: [Signature] Signature: Signature: Signature:							
Printed Name: Jason Culo Printed Name: Printed Name: Printed Name:							
Date: 7-27-21 Time: 1:30 Date: Date: Date: Date:							
RECEIVED BY: 1. RECEIVED BY: 2. RECEIVED BY: 3.							
Signature: Signature: Signature: Signature:							
Printed Name: Printed Name: Printed Name: Printed Name:							
Date: Date: Date: Date:							
Time: Time: Time: Time:							
TURN AROUND TIME							
DATA DELIVERABLE REQUIRED							
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH <input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)							
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator							



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CHAIN OF CUSTODY RECORD

123583

COMPANY		PROJECT MANAGER		AETL JOB No. BCG-0203		Page 2 of 5	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		EMAIL		PROJECT #			
SITE NAME AND ADDRESS		PO #					
LAUSD	Bethune MS						
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
G2-7.5	BG0203.16	7-21-20	0830	Soil	1	NA	
G2-10	1	17	0835				
H2/3-1	1	18	0848				
H2/3-3	1	19	0850				
H2/3-5	1	20	0855				
H2/3-7.5	1	21	0900				
H2/3-10	1	22	0905				
G3-1	1	23	0940				
G3-3	1	24	0945				
G3-3-DUP	1	25	0945				
G3-5	1	26	0950				
G3-7.5	1	27	1005				
G3-10	1	28	1010				
G4-1	1	29	1020				
G4-3	1	30	1025				
TOTAL NUMBER OF CONTAINERS:				65			
BILLING INFORMATION / SPECIAL INSTRUCTIONS							
RELINQUISHED BY: 1. Signature: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 Signature: <i>Jason Cook</i> Printed Name: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 RECEIVED BY: 1. Signature: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 Signature: <i>Jason Cook</i> Printed Name: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30							
RELINQUISHED BY: 2. Signature: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 Signature: <i>Jason Cook</i> Printed Name: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 RECEIVED BY: 2. Signature: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 Signature: <i>Jason Cook</i> Printed Name: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30							
RELINQUISHED BY: 3. Signature: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 Signature: <i>Jason Cook</i> Printed Name: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 RECEIVED BY: 3. Signature: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30 Signature: <i>Jason Cook</i> Printed Name: <i>Jason Cook</i> Date: 7-22-21 Time: 1:30							
TURN AROUND TIME NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH <input type="checkbox"/> DATA DELIVERABLE REQUIRED HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY) <input type="checkbox"/>							
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator							



CHAIN OF CUSTODY RECORD
123584

Page 3 of 5

AETL JOB No. BCG0203

COMPANY Tetra Tech Inc		PROJECT MANAGER		AETL JOB No. BGG0203		Page 3 of 5	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		EMAIL		PROJECT #		Pcs 8082A Soxhlet extraction dry weight basis	
SITE NAME AND ADDRESS		PO #		DATE		Hold = Hold Analysis	
LAB ID		CONTAINER NUMBER/SIZE		MATRIX		Hold	
SAMPLE ID		TIME		PRES.		Hold	
G4-5		1030		Soil		Hold	
G4-7.5		1035		1		Hold	
G4-10		1040				Hold	
E4-1		1050					
E4-3		1055					
E4-5		1100					
E4-7.5		1105					
E4-10		1110					
10B-E4R-1		1120					
10B-E4R-3		1125					
10B-E4R-5		1130					
10B-E4R-7.5		1140					
10B-E4R-10		1145					
A4-1		1240					
A4-3		1242					
TOTAL NUMBER OF CONTAINERS:		65		RELINQUISHED BY SAMPLER:		1.	
BILLING INFORMATION / SPECIAL INSTRUCTIONS		Signature: <i>Jason Cook</i>		Signature:		2.	
		Printed Name: <i>Jason Cook</i>		Printed Name:		3.	
		Date: <i>7-27-21</i>		Date:		RECEIVED BY LABORATORY:	
		Time: <i>1130</i>		Time:		Signature: <i>Alita</i>	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		1.	
NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/>		HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/>		Signature:		2.	
2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH <input type="checkbox"/>		GEOTRACKER (GLOBAL ID) _____		Printed Name:		3.	
		OTHER (PLEASE SPECIFY) _____		Date:		Time:	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator				Date: <i>7-27-21</i>		Time: <i>1130</i>	

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CHAIN OF CUSTODY RECORD

123585

COMPANY <u>Tetra Tech Inc</u>		PROJECT MANAGER		AETL JOB No. <u>BGG0203</u>		Page <u>4</u> of <u>5</u>	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME <u>LACSD Bethune MS</u>		EMAIL		PROJECT #		PCBs 8082A Soxhlet extraction dry weigh basis	
SITE NAME AND ADDRESS		PO #				Hdd = Hold Analysis	
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
A4-5	BGG0203-46	7-21-21	1245	Soil	1	UA	
A4-7.5	47		1250				
A4-10	48		1255				
D4-1	49		1300				
D4-3	50		1305				
D4-5	51		1310				
D4-7.5	52		1315				
D4-10	53		1320				
D4-10-Dup	54		1320				
C4-1	55		1325				
C4-3	56		1330				
C4-5	57		1335				
C4-7.5	58		1340				
C4-10	59		1345				
B4-1	60		1405				
TOTAL NUMBER OF CONTAINERS: <u>65</u>				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
BILLING INFORMATION / SPECIAL INSTRUCTIONS				Signature: <u>John Lewis</u>		Signature:	
				Printed Name: <u>John Lewis</u>		Printed Name:	
				Date: <u>7-22-21</u>		Date:	
				Time: <u>1130</u>		Time:	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.	
DATA DELIVERABLE REQUIRED				Signature:		Signature:	
				Printed Name:		Printed Name:	
				Date:		Date:	
				Time:		Time:	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator				RECEIVED BY: 3.		RECEIVED BY: 3.	
				Signature: <u>John Lewis</u>		Signature:	
				Printed Name: <u>John Lewis</u>		Printed Name:	
				Date: <u>7-22-21</u>		Date:	
				Time: <u>11:30</u>		Time:	



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 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
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CHAIN OF CUSTODY RECORD

122606

COMPANY Tetra Tech Inc		PROJECT MANAGER Mark Feldman		AETL JOB No. BC60203		Page 5 of 5	
COMPANY ADDRESS		PHONE LAUSD Bethune MS		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		PROJECT #		PCBs by Soxhlet extraction dry weight basis		Hold = Add Analysis	
SITE NAME AND ADDRESS		PO #		PCBs 8082A		PCBs by Soxhlet extraction dry weight basis	
SAMPLE ID		LAB ID		DATE		TIME	
B4-3		BC60203-6		7-21-21		1410	
B4-5		62		1415		1418	
B4-7.5		63		1420		1420	
B4-10		64		1420		1420	
B4-10-Dup		65		1420		1420	
PRES.		CONTAINER NUMBER/SIZE		MATRIX		RELINQUISHED BY	
NA		1		Soil		SAMPLER: Jason Ceb	
1		1		1		1	
2		2		2		2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6		6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10		10		10	
11		11		11		11	
12		12		12		12	
13		13		13		13	
14		14		14		14	
15		15		15		15	
TOTAL NUMBER OF CONTAINERS:		65		RELINQUISHED BY:		RELINQUISHED BY:	
BILLING INFORMATION / SPECIAL INSTRUCTIONS		Signature: Jason Ceb		Signature:		Signature:	
Printed Name: Jason Ceb		Printed Name:		Printed Name:		Printed Name:	
Date: 7-22-21		Date:		Date:		Date:	
Time: 1420		Time:		Time:		Time:	
RECEIVED BY:		RECEIVED BY:		RECEIVED BY:		RECEIVED BY:	
Signature:		Signature:		Signature:		Signature:	
Printed Name:		Printed Name:		Printed Name:		Printed Name:	
Date:		Date:		Date:		Date:	
Time:		Time:		Time:		Time:	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		RECEIVED BY:	
NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/>		HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/>		Signature:		Signature:	
2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH <input type="checkbox"/>		GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY) <input type="checkbox"/>		Printed Name:		Printed Name:	
Date:		Date:		Date:		Date:	
Time:		Time:		Time:		Time:	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator		Signature: Jason Ceb		Signature:		Signature:	
Printed Name: Jason Ceb		Printed Name:		Printed Name:		Printed Name:	
Date: 7/22/21		Date:		Date:		Date:	
Time: 11:30		Time:		Time:		Time:	



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COOLER RECEIPT FORM

Client Name: <u>Tetra Tech Inc.</u>				
Project Name:				
AETL Job Number: <u>BC60203</u>				
Date Received: <u>7/22/21</u> Received by: <u>Greta G.</u>				
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GLS <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>2</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4.00</u> , No 2: <u>4.00</u> , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles,				
<input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ ,				
<input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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Project Number: [none]
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Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received

AETL received the following samples on 07/22/2021 with the following specifications

Client ID EB-072121		Sample Date 07/21/2021 7:00	
Lab ID BCG0203-01	Matrix Aqueous	Quantity of Containers 1	
Method EPA 8082	Analyte Polychlorinated Biphenyls (PCBs)	Units ug/L	TAT 5
Client ID F1-1		Sample Date 07/21/2021 7:05	
Lab ID BCG0203-02	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
Method EPA 8082	Analyte Polychlorinated Biphenyls by Soxhlet Extraction	Units ug/kg	TAT 5
Client ID F1-3		Sample Date 07/21/2021 7:10	
Lab ID BCG0203-03	Matrix Soil	Quantity of Containers 1	
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
Method EPA 8082	Analyte Polychlorinated Biphenyls by Soxhlet Extraction	Units ug/kg	TAT 5



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Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
F1-5		07/21/2021 7:12	
Lab ID	Matrix	Quantity of Containers	
BCG0203-04	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G1-1		07/21/2021 7:40	
Lab ID	Matrix	Quantity of Containers	
BCG0203-07	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G1-1DUP		07/21/2021 7:40	
Lab ID	Matrix	Quantity of Containers	
BCG0203-08	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
G1-3		07/21/2021 7:45	
Lab ID	Matrix	Quantity of Containers	
BCG0203-09	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G1-5		07/21/2021 7:50	
Lab ID	Matrix	Quantity of Containers	
BCG0203-10	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G2-1		07/21/2021 8:15	
Lab ID	Matrix	Quantity of Containers	
BCG0203-13	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
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Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received

(Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
G2-3		07/21/2021 8:20	
Lab ID	Matrix	Quantity of Containers	
BCG0203-14	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G2-5		07/21/2021 8:25	
Lab ID	Matrix	Quantity of Containers	
BCG0203-15	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
H2/3-1		07/21/2021 8:48	
Lab ID	Matrix	Quantity of Containers	
BCG0203-18	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Reported: 07/29/2021 17:11

Samples Received

(Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
H2/3-3		07/21/2021 8:50	
Lab ID	Matrix	Quantity of Containers	
BCG0203-19	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
H2/3-5		07/21/2021 8:55	
Lab ID	Matrix	Quantity of Containers	
BCG0203-20	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G3-1		07/21/2021 9:40	
Lab ID	Matrix	Quantity of Containers	
BCG0203-23	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
G3-3		07/21/2021 9:45	
Lab ID	Matrix	Quantity of Containers	
BCG0203-24	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G3-3DUP		07/21/2021 9:45	
Lab ID	Matrix	Quantity of Containers	
BCG0203-25	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G3-5		07/21/2021 9:50	
Lab ID	Matrix	Quantity of Containers	
BCG0203-26	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

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Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
G4-1		07/21/2021 10:20	
Lab ID		Matrix	Quantity of Containers
BCG0203-29		Soil	1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G4-3		07/21/2021 10:25	
Lab ID		Matrix	Quantity of Containers
BCG0203-30		Soil	1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
G4-5		07/21/2021 10:30	
Lab ID		Matrix	Quantity of Containers
BCG0203-31		Soil	1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
E4-1		07/21/2021 10:50	
Lab ID	Matrix	Quantity of Containers	
BCG0203-34	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E4-3		07/21/2021 10:55	
Lab ID	Matrix	Quantity of Containers	
BCG0203-35	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E4-5		07/21/2021 11:00	
Lab ID	Matrix	Quantity of Containers	
BCG0203-36	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
10B-ER-1		07/21/2021 11:20	
Lab ID		Quantity of Containers	
BCG0203-39		1	
Matrix			
Soil			
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
10B-ER-3		07/21/2021 11:25	
Lab ID		Quantity of Containers	
BCG0203-40		1	
Matrix			
Soil			
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
10B-ER-5		07/21/2021 11:30	
Lab ID		Quantity of Containers	
BCG0203-41		1	
Matrix			
Soil			
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
A4-1		07/21/2021 12:40	
Lab ID		Matrix	Quantity of Containers
BCG0203-44		Soil	1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A4-3		07/21/2021 12:42	
Lab ID		Matrix	Quantity of Containers
BCG0203-45		Soil	1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A4-5		07/21/2021 12:45	
Lab ID		Matrix	Quantity of Containers
BCG0203-46		Soil	1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
D4-1		07/21/2021 13:00	
Lab ID	Matrix	Quantity of Containers	
BCG0203-49	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
D4-3		07/21/2021 13:05	
Lab ID	Matrix	Quantity of Containers	
BCG0203-50	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
D4-5		07/21/2021 13:10	
Lab ID	Matrix	Quantity of Containers	
BCG0203-51	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Samples Received

(Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
C4-1		07/21/2021 13:25	
Lab ID	Matrix	Quantity of Containers	
BCG0203-55	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C4-3		07/21/2021 13:30	
Lab ID	Matrix	Quantity of Containers	
BCG0203-56	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C4-5		07/21/2021 13:35	
Lab ID	Matrix	Quantity of Containers	
BCG0203-57	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Site: W 69th St.
Los Angeles, CA
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Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
B4-1		07/21/2021 14:05	
Lab ID	Matrix	Quantity of Containers	
BCG0203-60	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
B4-3		07/21/2021 14:10	
Lab ID	Matrix	Quantity of Containers	
BCG0203-61	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
B4-5		07/21/2021 14:15	
Lab ID	Matrix	Quantity of Containers	
BCG0203-62	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5

Total Number of Samples received: 39



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Positive Hits Summary

Lab ID	Client ID				Sampled
BCG0203-02	F1-1				07/21/2021 07:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1680	D	ug/kg dry	07/27/2021 19:48
EPA 8082	Aroclor-1254 (PCB-1254)	232	D	ug/kg dry	07/27/2021 19:48
ASTM D2216	Moisture Content	9.94		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-03	F1-3				07/21/2021 07:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1050		ug/kg dry	07/27/2021 20:07
ASTM D2216	Moisture Content	20.1		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-04	F1-5				07/21/2021 07:12
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.3		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-07	G1-1				07/21/2021 07:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	6530	D	ug/kg dry	07/27/2021 21:04
EPA 8082	Aroclor-1254 (PCB-1254)	1110	D	ug/kg dry	07/27/2021 21:04
ASTM D2216	Moisture Content	8.54		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-08	G1-1DUP				07/21/2021 07:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4260	D	ug/kg dry	07/27/2021 21:24
EPA 8082	Aroclor-1254 (PCB-1254)	736	D	ug/kg dry	07/27/2021 21:24
ASTM D2216	Moisture Content	10.5		% wt	07/27/2021 12:00



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0203-09	G1-3				07/21/2021 07:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	20.1	J	ug/kg dry	07/27/2021 21:43
ASTM D2216	Moisture Content	13.6		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-10	G1-5				07/21/2021 07:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.0		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-13	G2-1				07/21/2021 08:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	9240	D	ug/kg dry	07/27/2021 22:21
EPA 8082	Aroclor-1254 (PCB-1254)	2530	D	ug/kg dry	07/27/2021 22:21
ASTM D2216	Moisture Content	14.4		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-14	G2-3				07/21/2021 08:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	91.0		ug/kg dry	07/27/2021 22:40
ASTM D2216	Moisture Content	15.6		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-15	G2-5				07/21/2021 08:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	28.1		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-18	H2/3-1				07/21/2021 08:48
Method	Analyte	Result	Qualifier	Unit	Analyzed



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
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Reported: 07/29/2021 17:11

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0203-18	H2/3-1				07/21/2021 08:48
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	7160	D	ug/kg dry	07/27/2021 23:19
EPA 8082	Aroclor-1254 (PCB-1254)	882	D	ug/kg dry	07/27/2021 23:19
ASTM D2216	Moisture Content	8.75		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-19	H2/3-3				07/21/2021 08:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	13.1		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-20	H2/3-5				07/21/2021 08:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	16.8		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-23	G3-1				07/21/2021 09:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	3680	D	ug/kg dry	07/28/2021 00:16
EPA 8082	Aroclor-1254 (PCB-1254)	746	D	ug/kg dry	07/28/2021 00:16
ASTM D2216	Moisture Content	9.67		% wt	07/27/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-24	G3-3				07/21/2021 09:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	46.5	J	ug/kg dry	07/28/2021 00:55
ASTM D2216	Moisture Content	13.6		% wt	07/27/2021 12:00



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Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0203-25	G3-3DUP				07/21/2021 09:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	22.9	J	ug/kg dry	07/28/2021 01:14
ASTM D2216	Moisture Content	13.6		% wt	07/27/2021 12:00
Lab ID	Client ID				Sampled
BCG0203-26	G3-5				07/21/2021 09:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	32.4	J	ug/kg dry	07/28/2021 01:33
ASTM D2216	Moisture Content	11.7		% wt	07/27/2021 12:00
Lab ID	Client ID				Sampled
BCG0203-29	G4-1				07/21/2021 10:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	7470	D	ug/kg dry	07/28/2021 01:52
EPA 8082	Aroclor-1254 (PCB-1254)	1120	D	ug/kg dry	07/28/2021 01:52
ASTM D2216	Moisture Content	12.5		% wt	07/27/2021 12:00
Lab ID	Client ID				Sampled
BCG0203-30	G4-3				07/21/2021 10:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.9		% wt	07/27/2021 12:00
Lab ID	Client ID				Sampled
BCG0203-31	G4-5				07/21/2021 10:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.5		% wt	07/27/2021 12:00
Lab ID	Client ID				Sampled
BCG0203-34	E4-1				07/21/2021 10:50
Method	Analyte	Result	Qualifier	Unit	Analyzed



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0203-34	E4-1				07/21/2021 10:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	45300	D	ug/kg dry	07/28/2021 04:45
EPA 8082	Aroclor-1254 (PCB-1254)	4890	D	ug/kg dry	07/28/2021 04:45
ASTM D2216	Moisture Content	12.0		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-35	E4-3				07/21/2021 10:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.2		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-36	E4-5				07/21/2021 11:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	10.4		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-39	10B-ER-1				07/21/2021 11:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	11000	D	ug/kg dry	07/28/2021 05:42
EPA 8082	Aroclor-1254 (PCB-1254)	1420	D	ug/kg dry	07/28/2021 05:42
ASTM D2216	Moisture Content	11.2		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-40	10B-ER-3				07/21/2021 11:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	10000	D	ug/kg dry	07/28/2021 06:02
ASTM D2216	Moisture Content	10.5		% wt	07/28/2021 12:00



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

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Los Angeles, CA
Reported: 07/29/2021 17:11

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0203-41	10B-ER-5				07/21/2021 11:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.6		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-44	A4-1				07/21/2021 12:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	10100	D	ug/kg dry	07/28/2021 06:40
EPA 8082	Aroclor-1254 (PCB-1254)	1490	D	ug/kg dry	07/28/2021 06:40
ASTM D2216	Moisture Content	5.29		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-45	A4-3				07/21/2021 12:42
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	13.5		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-46	A4-5				07/21/2021 12:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	17.6		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-49	D4-1				07/21/2021 13:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	22400	D	ug/kg dry	07/28/2021 07:38
EPA 8082	Aroclor-1254 (PCB-1254)	2560	D	ug/kg dry	07/28/2021 07:38
ASTM D2216	Moisture Content	4.71		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-50	D4-3				07/21/2021 13:05
Method	Analyte	Result	Qualifier	Unit	Analyzed



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107-6024	AETL Job Number: BCG0203 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune MS	Site: W 69th St. Los Angeles, CA Reported: 07/29/2021 17:11
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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0203-50	D4-3				07/21/2021 13:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	828		ug/kg dry	07/28/2021 07:57
ASTM D2216	Moisture Content	11.0		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-51	D4-5				07/21/2021 13:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	17.1		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-55	C4-1				07/21/2021 13:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	5460	D	ug/kg dry	07/28/2021 09:14
EPA 8082	Aroclor-1254 (PCB-1254)	1090	D	ug/kg dry	07/28/2021 09:14
ASTM D2216	Moisture Content	16.7		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-56	C4-3				07/21/2021 13:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	131		ug/kg dry	07/28/2021 09:33
EPA 8082	Aroclor-1254 (PCB-1254)	20.3	J	ug/kg dry	07/28/2021 09:33
ASTM D2216	Moisture Content	8.37		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-57	C4-5				07/21/2021 13:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	2.27		% wt	07/28/2021 12:00



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Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCG0203-60	B4-1				07/21/2021 14:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	5670	D	ug/kg dry	07/28/2021 10:12
EPA 8082	Aroclor-1254 (PCB-1254)	1130	D	ug/kg dry	07/28/2021 10:12
ASTM D2216	Moisture Content	6.47		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-61	B4-3				07/21/2021 14:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	26.7	J	ug/kg dry	07/28/2021 10:31
ASTM D2216	Moisture Content	15.7		% wt	07/28/2021 12:00

Lab ID	Client ID				Sampled
BCG0203-62	B4-5				07/21/2021 14:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.92		% wt	07/28/2021 12:00



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3475 East Foothill Boulevard	Project Number: [none]	Los Angeles, CA
Pasadena, CA 91107-6024	Attention: Mark Feldman	
	Project Name: LAUSD Bethune MS	Reported: 07/29/2021 17:11

Analytical Results

Client ID: EB-072121

Lab ID: BCG0203-01 (Aqueous)

Sampled: 07/21/21 7:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C

Recovery

Surrogate: Decachlorobiphenyl	110%						07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C
Surrogate: Tetrachloro-m-xylene	85.1%						07/23/21 13:16	07/26/21 20:42	B1G0531	AM	3510C

Acceptance Criteria

							30-150				
							30-150				



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: F1-1

Lab ID: BCG0203-02 (Soil)

Sampled: 07/21/21 7:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	1680	D	2	40.0	100	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	232	D	2	40.0	100	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	70.0%			30-150			07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	57.1%			30-150			07/27/21 12:09	07/27/21 19:48	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.94		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: F1-3

Lab ID: BCG0203-03 (Soil)

Sampled: 07/21/21 7:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
Aroclor-1248 (PCB-1248)	1050	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	83.0%						07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	71.6%						07/27/21 12:09	07/27/21 20:07	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	20.1		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: F1-5

Lab ID: BCG0203-04 (Soil)

Sampled: 07/21/21 7:12

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	74.4%				30-150		07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C
Surrogate: Tetrachloro-m-xylene	69.4%				30-150		07/27/21 12:09	07/27/21 20:26	B1G0549	AM	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.3		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G1-1

Lab ID: BCG0203-07 (Soil)

Sampled: 07/21/21 7:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	6530	D	10	200	500	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	1110	D	10	200	500	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	71.2%						07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	67.4%						07/27/21 12:09	07/27/21 21:04	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.54		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G1-1DUP

Lab ID: BCG0203-08 (Soil)

Sampled: 07/21/21 7:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	4260	D	5	100	250	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	736	D	5	100	250	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	67.9%						07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	63.2%						07/27/21 12:09	07/27/21 21:24	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.5		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G1-3

Lab ID: BCG0203-09 (Soil)

Sampled: 07/21/21 7:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	20.1	J	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 21:43	B1G0549	AM	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	69.8%			<i>30-150</i>			07/27/21 12:09	<i>07/27/21 21:43</i>	B1G0549	<i>AM</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	65.0%			<i>30-150</i>			07/27/21 12:09	<i>07/27/21 21:43</i>	B1G0549	<i>AM</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.6		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G1-5

Lab ID: BCG0203-10 (Soil)

Sampled: 07/21/21 7:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	66.7%				30-150		07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C
Surrogate: Tetrachloro-m-xylene	70.1%				30-150		07/27/21 12:09	07/27/21 22:02	B1G0549	AM	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.0		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G2-1

Lab ID: BCG0203-13 (Soil)

Sampled: 07/21/21 8:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	9240	D	10	200	500	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	2530	D	10	200	500	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	74.3%						07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	70.0%						07/27/21 12:09	07/27/21 22:21	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.4		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G2-3

Lab ID: BCG0203-14 (Soil)

Sampled: 07/21/21 8:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	91.0		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	64.6%				30-150		07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C
Surrogate: Tetrachloro-m-xylene	63.2%				30-150		07/27/21 12:09	07/27/21 22:40	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.6		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G2-5

Lab ID: BCG0203-15 (Soil)

Sampled: 07/21/21 8:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	78.4%						07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
Surrogate: Tetrachloro-m-xylene	71.2%						07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C

Acceptance Criteria

							07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C
							07/27/21 12:09	07/27/21 22:59	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	28.1		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: H2/3-1

Lab ID: BCG0203-18 (Soil)

Sampled: 07/21/21 8:48

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	7160	D	10	200	500	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	882	D	10	200	500	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	75.1%						07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	56.0%						07/27/21 12:09	07/27/21 23:19	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.75		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: H2/3-3

Lab ID: BCG0203-19 (Soil)

Sampled: 07/21/21 8:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:38	B1G0549	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

73.2%
65.2%

Acceptance Criteria

30-150
30-150

07/27/21 12:09 07/27/21 23:38 B1G0549 AM 3540C
07/27/21 12:09 07/27/21 23:38 B1G0549 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.1		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: H2/3-5

Lab ID: BCG0203-20 (Soil)

Sampled: 07/21/21 8:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/27/21 23:57	B1G0549	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

76.4%
67.4%

Acceptance Criteria

30-150
30-150

07/27/21 12:09 07/27/21 23:57 B1G0549 AM 3540C
07/27/21 12:09 07/27/21 23:57 B1G0549 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.8		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G3-1

Lab ID: BCG0203-23 (Soil)

Sampled: 07/21/21 9:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	3680	D	5	100	250	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	746	D	5	100	250	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	73.9%						07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	53.1%						07/27/21 12:09	07/28/21 00:16	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.67		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G3-3

Lab ID: BCG0203-24 (Soil)

Sampled: 07/21/21 9:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	46.5	J	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	69.0%						07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	61.4%						07/27/21 12:09	07/28/21 00:55	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.6		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0613	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G3-3DUP

Lab ID: BCG0203-25 (Soil)

Sampled: 07/21/21 9:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	22.9	J	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	76.3%						07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	68.6%						07/27/21 12:09	07/28/21 01:14	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.6		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0627	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G3-5

Lab ID: BCG0203-26 (Soil)

Sampled: 07/21/21 9:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	32.4	J	1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	75.8%						07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	70.7%						07/27/21 12:09	07/28/21 01:33	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.7		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0627	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G4-1

Lab ID: BCG0203-29 (Soil)

Sampled: 07/21/21 10:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	7470	D	10	200	500	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	1120	D	10	200	500	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	69.8%						07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	64.5%						07/27/21 12:09	07/28/21 01:52	B1G0549	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.5		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0627	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G4-3

Lab ID: BCG0203-30 (Soil)

Sampled: 07/21/21 10:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:11	B1G0549	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

73.2%
74.7%

Acceptance Criteria

30-150
30-150

07/27/21 12:09 07/28/21 02:11 B1G0549 AM 3540C
07/27/21 12:09 07/28/21 02:11 B1G0549 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.9		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0627	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: G4-5

Lab ID: BCG0203-31 (Soil)

Sampled: 07/21/21 10:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:09	07/28/21 02:30	B1G0549	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

79.2%
72.0%

Acceptance Criteria

30-150
30-150

07/27/21 12:09 07/28/21 02:30 B1G0549 AM 3540C
07/27/21 12:09 07/28/21 02:30 B1G0549 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.5		1		0.100	% wt	07/27/21 12:00	07/27/21 12:00	B1G0627	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: E4-1

Lab ID: BCG0203-34 (Soil)

Sampled: 07/21/21 10:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	45300	D	50	1000	2500	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	4890	D	50	1000	2500	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	77.3%						07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	72.2%						07/27/21 12:11	07/28/21 04:45	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.0		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: E4-3

Lab ID: BCG0203-35 (Soil)

Sampled: 07/21/21 10:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	79.1%				30-150		07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C
Surrogate: Tetrachloro-m-xylene	68.0%				30-150		07/27/21 12:11	07/28/21 05:04	B1G0550	AM	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.2		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: E4-5

Lab ID: BCG0203-36 (Soil)

Sampled: 07/21/21 11:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	68.2%				30-150		07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C
Surrogate: Tetrachloro-m-xylene	65.0%				30-150		07/27/21 12:11	07/28/21 05:23	B1G0550	AM	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.4		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: 10B-ER-1

Lab ID: BCG0203-39 (Soil)

Sampled: 07/21/21 11:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	11000	D	10	200	500	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	1420	D	10	200	500	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	74.8%						07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	65.4%						07/27/21 12:11	07/28/21 05:42	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.2		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: 10B-ER-3

Lab ID: BCG0203-40 (Soil)

Sampled: 07/21/21 11:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	10000	D	10	200	500	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	75.3%						07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	66.1%						07/27/21 12:11	07/28/21 06:02	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.5		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: 10B-ER-5

Lab ID: BCG0203-41 (Soil)

Sampled: 07/21/21 11:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	80.1%						07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
Surrogate: Tetrachloro-m-xylene	68.9%						07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C

Acceptance Criteria

							07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C
							07/27/21 12:11	07/28/21 06:21	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.6		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: A4-1

Lab ID: BCG0203-44 (Soil)

Sampled: 07/21/21 12:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	10100	D	10	200	500	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	1490	D	10	200	500	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
<hr/>											
	Recovery		Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	62.8%		30-150				07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	75.1%		30-150				07/27/21 12:11	07/28/21 06:40	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	5.29		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: A4-3

Lab ID: BCG0203-45 (Soil)

Sampled: 07/21/21 12:42

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	67.7%				30-150		07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C
Surrogate: Tetrachloro-m-xylene	80.8%				30-150		07/27/21 12:11	07/28/21 06:59	B1G0550	AM	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.5		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: A4-5

Lab ID: BCG0203-46 (Soil)

Sampled: 07/21/21 12:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:18	B1G0550	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

74.4%
61.1%

Acceptance Criteria

30-150
30-150

07/27/21 12:11 07/28/21 07:18 B1G0550 AM 3540C
07/27/21 12:11 07/28/21 07:18 B1G0550 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.6		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

2840 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: D4-1

Lab ID: BCG0203-49 (Soil)

Sampled: 07/21/21 13:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	22400	D	20	400	1000	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	2560	D	20	400	1000	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	62.0%						07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	74.3%						07/27/21 12:11	07/28/21 07:38	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.71		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0628	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: D4-3

Lab ID: BCG0203-50 (Soil)

Sampled: 07/21/21 13:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	828		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	67.5%				30-150		07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C
Surrogate: Tetrachloro-m-xylene	63.7%				30-150		07/27/21 12:11	07/28/21 07:57	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.0		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0629	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: D4-5

Lab ID: BCG0203-51 (Soil)

Sampled: 07/21/21 13:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 08:54	B1G0550	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

64.7%
56.8%

Acceptance Criteria

30-150
30-150

07/27/21 12:11 07/28/21 08:54 B1G0550 AM 3540C
07/27/21 12:11 07/28/21 08:54 B1G0550 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.1		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0629	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: C4-1

Lab ID: BCG0203-55 (Soil)

Sampled: 07/21/21 13:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	5460	D	5	100	250	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	1090	D	5	100	250	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	55.9%			30-150			07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	35.7%			30-150			07/27/21 12:11	07/28/21 09:14	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.7		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0629	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: C4-3

Lab ID: BCG0203-56 (Soil)

Sampled: 07/21/21 13:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	131		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	20.3	J	1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
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	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	52.6%				30-150		07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C
Surrogate: Tetrachloro-m-xylene	54.3%				30-150		07/27/21 12:11	07/28/21 09:33	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.37		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0629	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: C4-5

Lab ID: BCG0203-57 (Soil)

Sampled: 07/21/21 13:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 09:53	B1G0550	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

66.3%
60.2%

Acceptance Criteria

30-150
30-150

07/27/21 12:11 07/28/21 09:53 B1G0550 AM 3540C
07/27/21 12:11 07/28/21 09:53 B1G0550 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	2.27		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0629	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: B4-1

Lab ID: BCG0203-60 (Soil)

Sampled: 07/21/21 14:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	5670	D	5	100	250	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	1130	D	5	100	250	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:12	B1G0550	AM	3540C
<hr/>											
				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	67.3%				30-150			07/27/21 12:11	07/28/21 10:12	B1G0550	AM 3540C
Surrogate: Tetrachloro-m-xylene	55.3%				30-150			07/27/21 12:11	07/28/21 10:12	B1G0550	AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.47		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0629	cs	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: B4-3

Lab ID: BCG0203-61 (Soil)

Sampled: 07/21/21 14:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	26.7	J	1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	62.1%						07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	58.3%						07/27/21 12:11	07/28/21 10:31	B1G0550	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.7		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0629	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Analytical Results

Client ID: B4-5

Lab ID: BCG0203-62 (Soil)

Sampled: 07/21/21 14:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/27/21 12:11	07/28/21 10:51	B1G0550	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

56.3%
57.6%

Acceptance Criteria

30-150
30-150

07/27/21 12:11 07/28/21 10:51 B1G0550 AM 3540C
07/27/21 12:11 07/28/21 10:51 B1G0550 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.92		1		0.100	% wt	07/28/21 12:00	07/28/21 12:00	B1G0629	cs	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0613 - ASTM-D2216					Prepared: 07/27/2021 12:00						
Method Blank (B1G0613-BLK1)					Analyzed: 07/27/2021 12:00						
Moisture Content	100		0.100	% wt							



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0613 - ASTM-D2216 (Continued)

Duplicate (B1G0613-DUP1)

Source: BCG0203-02

Prepared: 07/27/2021 12:00

Analyzed: 07/27/2021 12:00

Moisture Content	9.97		0.100	% wt		9.94			<1.00	15	
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Batch: B1G0627 - ASTM-D2216

Method Blank (B1G0627-BLK1)

Prepared: 07/27/2021 12:00

Analyzed: 07/27/2021 12:00

Moisture Content	100		0.100	% wt							
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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0627 - ASTM-D2216 (Continued)

Duplicate (B1G0627-DUP1)

Source: BCG0203-25

Prepared: 07/27/2021 12:00

Analyzed: 07/27/2021 12:00

Moisture Content	18.0		0.100	% wt		13.6			27.4	15	R
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Batch: B1G0628 - ASTM-D2216

Method Blank (B1G0628-BLK1)

Prepared: 07/28/2021 12:00

Analyzed: 07/28/2021 12:00

Moisture Content	100		0.100	% wt							
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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0628 - ASTM-D2216 (Continued)

Duplicate (B1G0628-DUP1)

Source: BCG0203-34

Prepared: 07/28/2021 12:00

Analyzed: 07/28/2021 12:00

Moisture Content	12.1		0.100	% wt		12.0			<1.00	15	
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Batch: B1G0629 - ASTM-D2216

Method Blank (B1G0629-BLK1)

Prepared: 07/28/2021 12:00

Analyzed: 07/28/2021 12:00

Moisture Content	100		0.100	% wt							
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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0629 - ASTM-D2216 (Continued)						Prepared: 07/28/2021 12:00					
Duplicate (B1G0629-DUP1)						Analyzed: 07/28/2021 12:00					
Moisture Content	6.62		0.100	% wt		6.47			2.20	15	



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0531 - 3510C					Prepared: 07/23/2021 13:16						
Method Blank (B1G0531-BLK1)					Analyzed: 07/26/2021 19:25						
Aroclor-1016 (PCB-1016)	ND	1.00	5.00	ug/L							
Aroclor-1221 (PCB-1221)	ND	2.00	10.0	ug/L							
Aroclor-1232 (PCB-1232)	ND	1.00	5.00	ug/L							
Aroclor-1242 (PCB-1242)	ND	1.00	5.00	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.250	2.50	ug/L							
Aroclor-1254 (PCB-1254)	ND	1.00	5.00	ug/L							
Aroclor-1260 (PCB-1260)	ND	1.00	5.00	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.533			ug/L	0.500		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.479			ug/L	0.500		95.9	30-150			



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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0531 - 3510C (Continued)					Prepared: 07/23/2021 13:16						
LCS (B1G0531-BS1)					Analyzed: 07/26/2021 18:47						
Aroclor-1016 (PCB-1016)	6.10	1.00	5.00	ug/L	5.00		122	40-150			
Aroclor-1260 (PCB-1260)	5.87	1.00	5.00	ug/L	5.00		117	40-150			
Surrogate: Decachlorobiphenyl	0.448			ug/L	0.500		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.452			ug/L	0.500		90.5	30-150			
LCSD (B1G0531-BSD1)					Analyzed: 07/26/2021 19:06						
Aroclor-1016 (PCB-1016)	5.22	1.00	5.00	ug/L	5.00		104	40-150	15.4	20	
Aroclor-1260 (PCB-1260)	5.64	1.00	5.00	ug/L	5.00		113	40-150	3.96	20	
Surrogate: Decachlorobiphenyl	0.526			ug/L	0.500		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.406			ug/L	0.500		81.1	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
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AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1G0549 - 3540C					Prepared: 07/27/2021 12:09						
Method Blank (B1G0549-BLK1)					Analyzed: 07/27/2021 19:28						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	9.38			ug/kg wet	12.5		75.0	30-150			
Surrogate: Tetrachloro-m-xylene	6.18			ug/kg wet	12.5		49.4	30-150			



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3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0549 - 3540C (Continued)

Prepared: 07/27/2021 12:09

LCS (B1G0549-BS1)

Analyzed: 07/27/2021 18:12

Aroclor-1016 (PCB-1016)	159	20.0	50.0	ug/kg wet	250		63.7	50-150			
Aroclor-1260 (PCB-1260)	185	20.0	50.0	ug/kg wet	250		74.0	50-150			
Surrogate: Decachlorobiphenyl	9.54			ug/kg wet	12.5		76.3	30-150			
Surrogate: Tetrachloro-m-xylene	6.89			ug/kg wet	12.5		55.1	30-150			

LCSD (B1G0549-BSD1)

Analyzed: 07/27/2021 18:31

Aroclor-1016 (PCB-1016)	195	20.0	50.0	ug/kg wet	250		78.2	50-150	20.4	40	
Aroclor-1260 (PCB-1260)	171	20.0	50.0	ug/kg wet	250		68.4	50-150	7.97	40	
Surrogate: Decachlorobiphenyl	9.98			ug/kg wet	12.5		79.9	30-150			
Surrogate: Tetrachloro-m-xylene	8.29			ug/kg wet	12.5		66.3	30-150			

Matrix Spike (B1G0549-MS1)

Source: BCG0203-10

Analyzed: 07/27/2021 18:50

Aroclor-1016 (PCB-1016)	210	20.0	50.0	ug/kg dry	284	ND	73.8	50-150			
Aroclor-1260 (PCB-1260)	204	20.0	50.0	ug/kg dry	284	ND	71.9	50-150			
Surrogate: Decachlorobiphenyl	11.9			ug/kg dry	14.2		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	10.1			ug/kg dry	14.2		70.8	30-150			

Batch: B1G0550 - 3540C

Prepared: 07/27/2021 12:11

Method Blank (B1G0550-BLK1)

Analyzed: 07/28/2021 04:06

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	10.5			ug/kg wet	12.5		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	9.03			ug/kg wet	12.5		72.2	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0203
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 07/29/2021 17:11

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1G0550 - 3540C (Continued)

LCS (B1G0550-BS1)

Prepared: 07/27/2021 12:11

Analyzed: 07/28/2021 02:50

Aroclor-1016 (PCB-1016)	157	20.0	50.0	ug/kg wet	250		63.0	50-150			
Aroclor-1260 (PCB-1260)	210	20.0	50.0	ug/kg wet	250		84.0	50-150			
Surrogate: Decachlorobiphenyl	9.98			ug/kg wet	12.5		79.8	30-150			
Surrogate: Tetrachloro-m-xylene	6.84			ug/kg wet	12.5		54.7	30-150			

LCSD (B1G0550-BSD1)

Analyzed: 07/28/2021 03:09

Aroclor-1016 (PCB-1016)	208	20.0	50.0	ug/kg wet	250		83.1	50-150	27.6	40	
Aroclor-1260 (PCB-1260)	184	20.0	50.0	ug/kg wet	250		73.6	50-150	13.2	40	
Surrogate: Decachlorobiphenyl	10.7			ug/kg wet	12.5		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	7.79			ug/kg wet	12.5		62.3	30-150			

Matrix Spike (B1G0550-MS1)

Source: BCG0203-51

Analyzed: 07/28/2021 03:28

Aroclor-1016 (PCB-1016)	197	20.0	50.0	ug/kg dry	302	ND	65.4	50-150			
Aroclor-1260 (PCB-1260)	202	20.0	50.0	ug/kg dry	302	ND	67.0	50-150			
Surrogate: Decachlorobiphenyl	12.5			ug/kg dry	15.1		83.2	30-150			
Surrogate: Tetrachloro-m-xylene	10.4			ug/kg dry	15.1		68.8	30-150			

Matrix Spike Dup (B1G0550-MSD1)

Source: BCG0203-51

Analyzed: 07/28/2021 03:47

Aroclor-1016 (PCB-1016)	235	20.0	50.0	ug/kg dry	302	ND	77.9	50-150	17.4	40	
Aroclor-1260 (PCB-1260)	215	20.0	50.0	ug/kg dry	302	ND	71.2	50-150	6.05	40	
Surrogate: Decachlorobiphenyl	11.9			ug/kg dry	15.1		79.2	30-150			
Surrogate: Tetrachloro-m-xylene	10.3			ug/kg dry	15.1		68.2	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCG0203	Site: W 69th St.
3475 East Foothill Boulevard	Project Number: [none]	Los Angeles, CA
Pasadena, CA 91107-6024	Attention: Mark Feldman	
	Project Name: LAUSD Bethune MS	Reported: 07/29/2021 17:11

Qualifiers and Definitions

Item	Qualifiers
D	Sample was analyzed under dilution due to matrix interference.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
R	The RPD was outside of QC acceptance limits due to possible matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.



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Tetra Tech, Inc.	AETL Job Number:	BCG0203	Site:	W 69th St.
3475 East Foothill Boulevard	Project Number:	[none]		Los Angeles, CA
Pasadena, CA 91107-6024	Attention:	Mark Feldman		
	Project Name:	LAUSD Bethune MS	Reported:	07/29/2021 17:11

MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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August 05, 2021

AETL Job No: BCG0200.Rev01
Received Date: 07/22/2021
Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: LAUSD Bethune MS
Site: W 69th St.
Los Angeles, CA

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Corey Jones
Project Manager

Approved By:

Hossein Shahrokhnia
Project Manager

Table of Contents

Client Project Name: Bethane Middle School Project Number: [none]
Work Order Number: BCG0200.Rev01

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

Cooler ID: New Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD

122834

COMPANY Tetra Tech Inc		PROJECT MANAGER Mark Feldman		AETL JOB No. BGG0200		Page 2 of 2	
COMPANY ADDRESS		PHONE EMAIL		PROJECT #		ANALYSIS REQUESTED	
PROJECT NAME LAUSD Bethune MS		PO #				TEST INSTRUCTIONS & COMMENTS	
SITE NAME AND ADDRESS						Analysis - PCBs Soxhlet extraction dry weight + basis	
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
CS-5-Dup	BGG0200.16	7.22.21	0830	Soil	1	NA	
CS-7.5	BGG0200.17		0833				
CS-10	BGG0200.18		0835				
BS-1	BGG0200.19		0846				
BS-3	BGG0200.20		0845				
BS-5	BGG0200.21		0850				
BS-7.5	BGG0200.22		0855				
BS-10	BGG0200.23		0900				
AS-1	BGG0200.24		0905				
AS-3	BGG0200.25		0910				
AS-5	BGG0200.26		0915				
AS-5-Dup	BGG0200.27		0915				
AS-7.5	BGG0200.28		0920				
AS-10	BGG0200.29		0925				
TOTAL NUMBER OF CONTAINERS: 29				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
BILLING INFORMATION / SPECIAL INSTRUCTIONS				Signature: Jason Cal		Signature:	
				Printed Name: Jason Cal		Printed Name:	
				Date: 7.22.21		Date:	
				Time: 1136		Time:	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.	
DATA DELIVERABLE REQUIRED				Signature:		Signature:	
				Printed Name:		Printed Name:	
				Date:		Date:	
				Time:		Time:	
TURN AROUND TIME				RECEIVED BY: 3.		RECEIVED BY: 3.	
DATA DELIVERABLE REQUIRED				Signature: ALK		Signature:	
				Printed Name: ALK		Printed Name:	
				Date: 7/29/21		Date:	
				Time: 11:30		Time:	



Page 2 of 2
2501

COMPANY	Tetra Tech Inc	PROJECT MANAGER	Mark Feldman
COMPANY ADDRESS	3475 E Foothill Blvd	PHONE	
PROJECT NAME		EMAIL	mark.feldman@tetra-tech.com
		PROJECT #	

PO #	
SITE NAME AND ADDRESS	W 69th St LA, CA

PO #

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
EB-07222-1	BCE0200.01	7.22.21	0655	Water	1	NA
DS-1	BCE0200.02		0705	S-M	1	NA
DS-3	BCE0200.03		0710			
DS-5	BCE0200.04		0715			
DS-7.5	BCE0200.05		0720			
DS-10	BCE0200.06		0725			
ES-1	BCE0200.07		0730			
ES-3	BCE0200.08		0800			
ES-5	BCE0200.09		0810			
ES-5-Duo	BCE0200.10		0810			
ES-7.5	BCE0200.11		0812			
ES-10	BCE0200.12		0815			
CS-1	BCE0200.13		0820			
CS-3	BCE0200.14		0825			
CS-5	BCE0200.15		0830			

TOTAL NUMBER OF CONTAINERS:

BILLING INFORMATION / SPECIAL INSTRUCTIONS

**RELINQUISHED BY
SAMPLER:**

Signature: _____

Printed Name:

Date: 11/11/2024

TURN AROUND TIME

ALWAYS SAY

3085

☐ HAND COPY
☐ E-COPY

☐ GEOTRACKER (GLOBAL ID)

☐ OTHER (PLEASE SPECIFY) _____

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

Page 6 of 24



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CHAIN OF CUSTODY RECORD

122834

COMPANY Tetra Tech Inc		PROJECT MANAGER Mark Feldman		AETL JOB No. BGG0200		Page 2 of 2	
COMPANY ADDRESS		PHONE EMAIL		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME LAUSD Bethune MS		PROJECT #				Analysis - PCBs Sample extraction dry weight + basis	
SITE NAME AND ADDRESS		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
CS-5-Dup	BGG0200.16	7.22.21	0830	Soil	1	NA	
CS-7.5	BGG0200.17		0833				
CS-10	BGG0200.18		0835				
BS-1	BGG0200.19		0846				
BS-3	BGG0200.20		0845				
BS-5	BGG0200.21		0850				
BS-7.5	BGG0200.22		0855				
BS-10	BGG0200.23		0900				
AS-1	BGG0200.24		0905				
AS-3	BGG0200.25		0910				
AS-5	BGG0200.26		0915				
AS-5-Dup	BGG0200.27		0915				
AS-7.5	BGG0200.28		0920				
AS-10	BGG0200.29		0925				
TOTAL NUMBER OF CONTAINERS:				29			
BILLING INFORMATION / SPECIAL INSTRUCTIONS							
RELINQUISHED BY SAMPLER:				RELINQUISHED BY:		RELINQUISHED BY:	
Signature: <i>John Cull</i>				Signature:		Signature:	
Printed Name: <i>John Cull</i>				Printed Name:		Printed Name:	
Date: <i>7.22.21</i> Time: <i>1136</i>				Date:		Date:	
RECEIVED BY:				RECEIVED BY:		RECEIVED BY:	
Signature:				Signature:		Signature:	
Printed Name:				Printed Name:		Printed Name:	
Date:				Date:		Date:	
TIME AROUND TIME				DATA DELIVERABLE REQUIRED			
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH				<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)			
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator							



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COOLER RECEIPT FORM

Client Name: <u>Tetra Tech Inc.</u>				
Project Name:				
AETL Job Number: <u>BCG0200</u>				
Date Received: <u>7/22/21</u> Received by: <u>Greta G.</u>				
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GLS <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>2</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4.00</u> , No 2: <u>4.00</u> , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles,				
<input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ ,				
<input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Samples Received

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
E5-7.5		07/22/2021 8:12	
Lab ID	Matrix	Quantity of Containers	
BCG0200-11	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E5-10		07/22/2021 8:15	
Lab ID	Matrix	Quantity of Containers	
BCG0200-12	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C5-7.5		07/22/2021 8:33	
Lab ID	Matrix	Quantity of Containers	
BCG0200-17	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Samples Received (Continued)

AETL received the following samples on 07/22/2021 with the following specifications

Client ID		Sample Date	
C5-10		07/22/2021 8:35	
Lab ID	Matrix	Quantity of Containers	
BCG0200-18	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A5-7.5		07/22/2021 9:20	
Lab ID	Matrix	Quantity of Containers	
BCG0200-28	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A5-10		07/22/2021 9:25	
Lab ID	Matrix	Quantity of Containers	
BCG0200-29	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5

Total Number of Samples received: 6



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS
Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Positive Hits Summary

Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCG0200-11	E5-7.5				07/22/2021 08:12
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	13.8		% wt	08/02/2021 12:00
Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCG0200-12	E5-10				07/22/2021 08:15
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	6.35		% wt	08/02/2021 12:00
Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCG0200-17	C5-7.5				07/22/2021 08:33
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	21.3		% wt	08/02/2021 12:00
Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCG0200-18	C5-10				07/22/2021 08:35
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	6.93		% wt	08/02/2021 12:00
Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCG0200-28	A5-7.5				07/22/2021 09:20
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	10.7		% wt	08/02/2021 12:00
Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCG0200-29	A5-10				07/22/2021 09:25
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	5.92		% wt	08/02/2021 12:00



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Analytical Results

Client ID: E5-7.5

Lab ID: BCG0200-11 (Soil)

Sampled: 07/22/21 8:12

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
---------	--------	-----------	----------	-----	----	-------	--------------------	--------------------	-------	------------------	--------------

PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:28	B1H0051	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

72.2%
97.2%

Acceptance Criteria

30-150
30-150

07/30/21 10:31 08/04/21 16:28 B1H0051 AM 3540C
07/30/21 10:31 08/04/21 16:28 B1H0051 AM 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.8		1		0.100	% wt	08/02/21 12:00	08/02/21 12:00	B1H0079	BK	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Analytical Results

Client ID: E5-10

Lab ID: BCG0200-12 (Soil)

Sampled: 07/22/21 8:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	75.1%						07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
Surrogate: Tetrachloro-m-xylene	56.5%						07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C

Acceptance Criteria

							07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C
							07/30/21 10:31	08/04/21 16:48	B1H0051	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.35		1		0.100	% wt	08/02/21 12:00	08/02/21 12:00	B1H0079	BK	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Analytical Results

Client ID: C5-7.5

Lab ID: BCG0200-17 (Soil)

Sampled: 07/22/21 8:33

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	70.9%						07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
Surrogate: Tetrachloro-m-xylene	51.8%						07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C

Acceptance Criteria

							07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C
							07/30/21 10:31	08/04/21 17:07	B1H0051	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	21.3		1		0.100	% wt	08/02/21 12:00	08/02/21 12:00	B1H0079	BK	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Analytical Results

Client ID: C5-10

Lab ID: BCG0200-18 (Soil)

Sampled: 07/22/21 8:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	71.2%						07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
Surrogate: Tetrachloro-m-xylene	53.7%						07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C

Acceptance Criteria

							07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C
							07/30/21 10:31	08/04/21 17:26	B1H0051	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.93		1		0.100	% wt	08/02/21 12:00	08/02/21 12:00	B1H0079	BK	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Analytical Results

Client ID: A5-7.5

Lab ID: BCG0200-28 (Soil)

Sampled: 07/22/21 9:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	74.2%				30-150		07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C
Surrogate: Tetrachloro-m-xylene	51.2%				30-150		07/30/21 10:31	08/04/21 17:46	B1H0051	AM	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.7		1		0.100	% wt	08/02/21 12:00	08/02/21 12:00	B1H0079	BK	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Analytical Results

Client ID: A5-10

Lab ID: BCG0200-29 (Soil)

Sampled: 07/22/21 9:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C

Recovery

Surrogate: Decachlorobiphenyl	69.6%						07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
Surrogate: Tetrachloro-m-xylene	54.6%						07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C

Acceptance Criteria

							07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C
							07/30/21 10:31	08/04/21 18:05	B1H0051	AM	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	5.92		1		0.100	% wt	08/02/21 12:00	08/02/21 12:00	B1H0079	BK	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1H0079 - ASTM-D2216					Prepared: 08/02/2021 12:00						
Method Blank (B1H0079-BLK1)					Analyzed: 08/02/2021 12:00						
Moisture Content	100		0.100	% wt							



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3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1H0079 - ASTM-D2216 (Continued)						Prepared: 08/02/2021 12:00					
Duplicate (B1H0079-DUP1)						Source: BCG0167-32					
Moisture Content						Analyzed: 08/02/2021 12:00					
	13.6		0.100	% wt		14.3			4.72	15	



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3475 East Foothill Boulevard
Pasadena, CA 91107-6024

AETL Job Number: BCG0200.Rev01
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: W 69th St.
Los Angeles, CA
Reported: 08/05/2021 14:54

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1H0051 - 3540C					Prepared: 07/30/2021 10:31						
Method Blank (B1H0051-BLK1)					Analyzed: 08/04/2021 15:30						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	16.3			ug/kg wet	25.0		65.1	30-150			
Surrogate: Tetrachloro-m-xylene	12.3			ug/kg wet	25.0		49.0	30-150			



AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.	AETL Job Number: BCG0200.Rev01	Site: W 69th St.
3475 East Foothill Boulevard	Project Number: [none]	Los Angeles, CA
Pasadena, CA 91107-6024	Attention: Mark Feldman	
	Project Name: LAUSD Bethune MS	Reported: 08/05/2021 14:54

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1H0051 - 3540C (Continued)

Prepared: 07/30/2021 10:31

LCS (B1H0051-BS1)

Analyzed: 08/04/2021 10:57

Aroclor-1016 (PCB-1016)	243	20.0	50.0	ug/kg wet	250		97.2	50-150			
Aroclor-1260 (PCB-1260)	202	20.0	50.0	ug/kg wet	250		80.8	50-150			
Surrogate: Decachlorobiphenyl	19.2			ug/kg wet	25.0		76.6	30-150			
Surrogate: Tetrachloro-m-xylene	13.3			ug/kg wet	25.0		53.2	30-150			

LCSD (B1H0051-BSD1)

Analyzed: 08/04/2021 13:54

Aroclor-1016 (PCB-1016)	243	20.0	50.0	ug/kg wet	250		97.3	50-150	<1.00	40	
Aroclor-1260 (PCB-1260)	191	20.0	50.0	ug/kg wet	250		76.5	50-150	5.44	40	
Surrogate: Decachlorobiphenyl	17.4			ug/kg wet	25.0		69.6	30-150			
Surrogate: Tetrachloro-m-xylene	13.7			ug/kg wet	25.0		54.6	30-150			

Matrix Spike (B1H0051-MS1)

Source: BCG0200-28

Analyzed: 08/04/2021 14:52

Aroclor-1016 (PCB-1016)	203	20.0	50.0	ug/kg dry	280	ND	72.5	50-150			
Aroclor-1260 (PCB-1260)	201	20.0	50.0	ug/kg dry	280	ND	71.9	50-150			
Surrogate: Decachlorobiphenyl	22.4			ug/kg dry	28.0		79.9	30-150			
Surrogate: Tetrachloro-m-xylene	14.9			ug/kg dry	28.0		53.1	30-150			

Matrix Spike Dup (B1H0051-MSD1)

Source: BCG0200-28

Analyzed: 08/04/2021 15:11

Aroclor-1016 (PCB-1016)	204	20.0	50.0	ug/kg dry	280	ND	73.0	50-150	<1.00	40	
Aroclor-1260 (PCB-1260)	204	20.0	50.0	ug/kg dry	280	ND	73.0	50-150	1.40	40	
Surrogate: Decachlorobiphenyl	20.0			ug/kg dry	28.0		71.6	30-150			
Surrogate: Tetrachloro-m-xylene	14.6			ug/kg dry	28.0		52.2	30-150			



AMERICAN ENVIRONMENTAL TESTING LABORATORY

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TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.	AETL Job Number: BCG0200.Rev01	Site: W 69th St.
3475 East Foothill Boulevard	Project Number: [none]	Los Angeles, CA
Pasadena, CA 91107-6024	Attention: Mark Feldman	
	Project Name: LAUSD Bethune MS	Reported: 08/05/2021 14:54

Qualifiers and Definitions

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health



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3475 East Foothill Boulevard	Project Number:	[none]		Los Angeles, CA
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	Project Name:	LAUSD Bethune MS	Reported:	08/05/2021 14:54

nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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September 17, 2021

AETL Job No: BCI0054 Rev. 01
Received Date: 09/03/2021
Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: LAUSD Bethune MS
Site: Bethune Middle School

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hossein Shahrokhnia
Project Manager

Approved By:

Hossein Shahrokhnia
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: [none]
Work Order Number: BCI0054

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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD

121956

AETL JOB No. BC10054 Page 1 of 3

COMPANY <u>TechTech Inc</u>		PROJECT MANAGER <u>Mark Feldman</u>	
COMPANY ADDRESS <u>3475 E Foothill Blvd Pasadena, CA</u>		PHONE <u></u>	
PROJECT NAME <u>LAUSD Bethune MS</u>		EMAIL <u>Mark.Feldman@TechTech</u>	
SITE NAME AND ADDRESS <u>Bethune MS</u>		PROJECT # <u></u>	
PO # <u></u>			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
C7-1.0	BC10054.01	9-3-21	0925	Soil	1	NA
C7-1.0-Dup	BC10054.02		0925			
C7-3.0	BC10054.03		0930			
C7-5.0	BC10054.04		0935			
C7-7.5	BC10054.05		0940			
C7-10	BC10054.06		0945			
C11-1.0	BC10054.07		1005			
C11-3.0	BC10054.08		1007			
C11-5.0	BC10054.09		1010			
C11-7.5	BC10054.10		1015			
C11-10	BC10054.11		1020			
C15-1.0	BC10054.12		1100			
C15-3.0	BC10054.13		1105			
C15-3.0-Dup	BC10054.14		1105			
C15-5.0	BC10054.15		1110			

TOTAL NUMBER OF CONTAINERS: <u>34</u>		RELINQUISHED BY: <u>1.</u>		RELINQUISHED BY: <u>2.</u>		RELINQUISHED BY: <u>3.</u>	
BILLING INFORMATION / SPECIAL INSTRUCTIONS		Signature: <u>[Signature]</u>		Signature: <u>[Signature]</u>		Signature: <u>[Signature]</u>	
		Printed Name: <u>Susan Cook</u>		Printed Name: <u>[Signature]</u>		Printed Name: <u>[Signature]</u>	
		Date: <u>9-3-21</u>		Date: <u>9/3/21</u>		Date: <u>9/3/21</u>	
		Time: <u>12:51</u>		Time: <u>1545</u>		Time: <u>1545</u>	
TURN AROUND TIME		RECEIVED BY: <u>1.</u>		RECEIVED BY: <u>2.</u>		RECEIVED BY: <u>3.</u>	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH		<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator		Signature: <u>[Signature]</u>		Signature: <u>[Signature]</u>		Signature: <u>[Signature]</u>	
		Printed Name: <u>Susan Cook</u>		Printed Name: <u>[Signature]</u>		Printed Name: <u>[Signature]</u>	
		Date: <u>9-3-21</u>		Date: <u>9/3/21</u>		Date: <u>9/3/21</u>	
		Time: <u>12:51</u>		Time: <u>1545</u>		Time: <u>1545</u>	



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CHAIN OF CUSTODY RECORD

121957

AETL JOB No. BC10054 Page 2 of 3

COMPANY		PROJECT MANAGER	
Tetra Tech Inc			
COMPANY ADDRESS		PHONE	EMAIL
PROJECT NAME		PROJECT #	
LAUSD Bethune MS.			
SITE NAME AND ADDRESS		PO #	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
C15-7.5	BC10054.06	9-3-21	1115	Soil	1	NA
C15-10	BC10054.17		1120			
C19-1.0	BC10054.18		1145			
C19-3.0	BC10054.19		1150			
C19-5.0	BC10054.20		1155			
C19-7.5	BC10054.21		1200			
C19-10	BC10054.22		1205			
C21-1.0	BC10054.23		1305			
C21-3.0	BC10054.24		1310			
C21-5.0	BC10054.25		1315			
C21-5.0-DUP	BC10054.26		1315			
C21-7.5	BC10054.27		1325			
C21-10	BC10054.28		1330			
C100-1.0	BC10054.29		1345			
C100-3.0	BC10054.30		1350			

TOTAL NUMBER OF CONTAINERS: 15

BILLING INFORMATION / SPECIAL INSTRUCTIONS

RELINQUISHED BY: 1. APRIL COHEN Signature: APRIL COHEN Printed Name: APRIL COHEN Date: 9-3-21 Time: 1545

RELINQUISHED BY: 2. SARAH COHEN Signature: SARAH COHEN Printed Name: SARAH COHEN Date: 9-3-21 Time: 1545

RELINQUISHED BY: 3. SARAH COHEN Signature: SARAH COHEN Printed Name: SARAH COHEN Date: 9-3-21 Time: 1545

RELINQUISHED BY: 3. SARAH COHEN Signature: SARAH COHEN Printed Name: SARAH COHEN Date: 9-3-21 Time: 1545

RELINQUISHED BY: 3. SARAH COHEN Signature: SARAH COHEN Printed Name: SARAH COHEN Date: 9-3-21 Time: 1545

RELINQUISHED BY: 3. SARAH COHEN Signature: SARAH COHEN Printed Name: SARAH COHEN Date: 9-3-21 Time: 1545

RELINQUISHED BY: 3. SARAH COHEN Signature: SARAH COHEN Printed Name: SARAH COHEN Date: 9-3-21 Time: 1545

TRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



CHAIN OF CUSTODY RECORD
121958

AE TL JOB No. BC10059

Page 3 of 3

[illegible]

TRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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COOLER RECEIPT FORM

Client Name: <u>Tetra Tech Inc</u>				
Project Name:				
AETL Job Number: <u>BC10054</u>				
Date Received: <u>9/3/21</u>		Received by: <u>Sargis Pirch</u>		
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GLS <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4°C</u> , No 2: , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input checked="" type="checkbox"/> Others (Specify): <u>Sleeves</u>				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Samples Received

AETL received the following samples on 09/03/2021 with the following specifications

Client ID	Sample Date
C7-1.0	09/3/2021 9:25
Lab ID	Quantity of Containers
BCI0054-01	1
Analysis	Units
EPA 8082	ug/kg
	TAT
	5

Client ID	Sample Date
C7-1.0-Dup	09/3/2021 9:25
Lab ID	Quantity of Containers
BCI0054-02	1
Analysis	Units
EPA 8082	ug/kg
	TAT
	5

Client ID	Sample Date
C7-3.0	09/3/2021 9:30
Lab ID	Quantity of Containers
BCI0054-03	1
Analysis	Units
EPA 8082	ug/kg
	TAT
	5

Client ID	Sample Date
C7-5.0	09/3/2021 9:35
Lab ID	Quantity of Containers
BCI0054-04	1
Analysis	Units
EPA 8082	ug/kg
	TAT
	5



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Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Samples Received (Continued)

AETL received the following samples on 09/03/2021 with the following specifications

Client ID C11-1.0		Sample Date 09/3/2021 10:05
Lab ID BCI0054-07	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5

Client ID C11-3.0		Sample Date 09/3/2021 10:07
Lab ID BCI0054-08	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5

Client ID C11-5.0		Sample Date 09/3/2021 10:10
Lab ID BCI0054-09	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5

Client ID C15-1.0		Sample Date 09/3/2021 11:00
Lab ID BCI0054-12	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5



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Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Samples Received (Continued)

AETL received the following samples on 09/03/2021 with the following specifications

Client ID C15-3.0		Sample Date 09/3/2021 11:05
Lab ID BCI0054-13	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5

Client ID C15-3.0-Dup		Sample Date 09/3/2021 11:05
Lab ID BCI0054-14	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5

Client ID C15-5.0		Sample Date 09/3/2021 11:10
Lab ID BCI0054-15	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5

Client ID C19-1.0		Sample Date 09/3/2021 11:45
Lab ID BCI0054-18	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5



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Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Samples Received (Continued)

AETL received the following samples on 09/03/2021 with the following specifications

Client ID C19-3.0		Sample Date 09/3/2021 11:50
Lab ID BCI0054-19	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5
Client ID C19-5.0		Sample Date 09/3/2021 11:55
Lab ID BCI0054-20	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5
Client ID C21-1.0		Sample Date 09/3/2021 13:05
Lab ID BCI0054-23	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5
Client ID C21-3.0		Sample Date 09/3/2021 13:10
Lab ID BCI0054-24	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5



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Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Samples Received (Continued)

AETL received the following samples on 09/03/2021 with the following specifications

Client ID C21-5.0		Sample Date 09/3/2021 13:15
Lab ID BCI0054-25	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5
Client ID C21-5.0-Dup		Sample Date 09/3/2021 13:15
Lab ID BCI0054-26	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5
Client ID C100-1.0		Sample Date 09/3/2021 13:45
Lab ID BCI0054-29	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5
Client ID C100-3.0		Sample Date 09/3/2021 13:50
Lab ID BCI0054-30	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5



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AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Samples Received (Continued)

AETL received the following samples on 09/03/2021 with the following specifications

Client ID C100-5.0		Sample Date 09/3/2021 13:55
Lab ID BCI0054-31	Matrix Soil	Quantity of Containers 1
Analysis EPA 8082	Units ug/kg	TAT 5

Client ID EB-090321		Sample Date 09/3/2021 9:20
Lab ID BCI0054-34	Matrix Aqueous	Quantity of Containers 1
Analysis EPA 8082	Units ug/L	TAT 5

Total Number of Samples received: 22



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AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Positive Hits Summary

Lab ID	Client ID					Sampled
BCI0054-01	C7-1.0					09/03/2021 09:25
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	5370	DIL	ug/kg dry	09/08/2021 16:55	
EPA 8082	Aroclor-1254 (PCB-1254)	1930	DIL	ug/kg dry	09/08/2021 16:55	
Lab ID	Client ID					Sampled
BCI0054-02	C7-1.0-Dup					09/03/2021 09:25
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	4300	DIL	ug/kg dry	09/08/2021 17:14	
EPA 8082	Aroclor-1254 (PCB-1254)	1180	DIL	ug/kg dry	09/08/2021 17:14	
Lab ID	Client ID					Sampled
BCI0054-03	C7-3.0					09/03/2021 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	214		ug/kg dry	09/08/2021 17:33	
EPA 8082	Aroclor-1254 (PCB-1254)	49.0	J	ug/kg dry	09/08/2021 17:33	
Lab ID	Client ID					Sampled
BCI0054-04	C7-5.0					09/03/2021 09:35
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	90.0		ug/kg dry	09/08/2021 17:53	
Lab ID	Client ID					Sampled
BCI0054-07	C11-1.0					09/03/2021 10:05
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	5520	DIL	ug/kg dry	09/08/2021 18:12	
EPA 8082	Aroclor-1254 (PCB-1254)	2030	DIL	ug/kg dry	09/08/2021 18:12	
Lab ID	Client ID					Sampled
BCI0054-08	C11-3.0					09/03/2021 10:07
Method	Analyte	Result	Qualifier	Unit	Analyzed	



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0054-08	C11-3.0				09/03/2021 10:07
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	52.4		ug/kg dry	09/08/2021 18:31

Lab ID	Client ID				Sampled
BCI0054-12	C15-1.0				09/03/2021 11:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	107		ug/kg dry	09/08/2021 19:29
EPA 8082	Aroclor-1254 (PCB-1254)	23.7	J	ug/kg dry	09/08/2021 19:29

Lab ID	Client ID				Sampled
BCI0054-23	C21-1.0				09/03/2021 13:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	151		ug/kg dry	09/08/2021 21:43
EPA 8082	Aroclor-1254 (PCB-1254)	61.0		ug/kg dry	09/08/2021 21:43

Lab ID	Client ID				Sampled
BCI0054-29	C100-1.0				09/03/2021 13:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	5780	DIL	ug/kg dry	09/08/2021 23:19
EPA 8082	Aroclor-1254 (PCB-1254)	1760	DIL	ug/kg dry	09/08/2021 23:19

Lab ID	Client ID				Sampled
BCI0054-30	C100-3.0				09/03/2021 13:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1980	DIL	ug/kg dry	09/08/2021 23:38
EPA 8082	Aroclor-1254 (PCB-1254)	402	DIL	ug/kg dry	09/08/2021 23:38



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C7-1.0

Lab ID: BCI0054-01 (Soil)

Sampled: 09/03/21 9:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
Aroclor-1248 (PCB-1248)	5370	DIL	10	200	500	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
Aroclor-1254 (PCB-1254)	1930	DIL	10	200	500	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C	
<hr/>												
	Recovery			Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	85.1%			30-150				09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	90.7%			30-150				09/07/21 14:20	09/08/21 16:55	B1I0086	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C7-1.0-Dup

Lab ID: BCI0054-02 (Soil)

Sampled: 09/03/21 9:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	4300	DIL	5	100	250	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	1180	DIL	5	100	250	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:14	B1I0086	BC	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	<i>116%</i>						09/07/21 14:20	<i>09/08/21 17:14</i>	B1I0086	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>87.8%</i>						09/07/21 14:20	<i>09/08/21 17:14</i>	B1I0086	<i>BC</i>	3540C



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C7-3.0

Lab ID: BCI0054-03 (Soil)

Sampled: 09/03/21 9:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	214		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	49.0	J	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	97.0%						09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	72.9%						09/07/21 14:20	09/08/21 17:33	B1I0086	BC	3540C



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C7-5.0

Lab ID: BCI0054-04 (Soil)

Sampled: 09/03/21 9:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	90.0	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
<hr/>										
	Recovery	Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	107%					09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	66.9%					09/07/21 14:20	09/08/21 17:53	B1I0086	BC	3540C



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3475 East Foothill Boulevard
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AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C11-1.0

Lab ID: BCI0054-07 (Soil)

Sampled: 09/03/21 10:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	5520	DIL	10	200	500	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	2030	DIL	10	200	500	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:12	B1I0086	BC	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	102%			<i>30-150</i> 09/07/21 14:20 09/08/21 18:12 B1I0086 BC 3540C							
<i>Surrogate: Tetrachloro-m-xylene</i>	77.2%			<i>30-150</i> 09/07/21 14:20 09/08/21 18:12 B1I0086 BC 3540C							



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C11-3.0

Lab ID: BCI0054-08 (Soil)

Sampled: 09/03/21 10:07

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
Aroclor-1248 (PCB-1248)	52.4	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	90.6%	30-150					09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	70.3%	30-150					09/07/21 14:20	09/08/21 18:31	B1I0086	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C11-5.0

Lab ID: BCI0054-09 (Soil)

Sampled: 09/03/21 10:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	89.6%
Surrogate: Tetrachloro-m-xylene	70.4%

Acceptance Criteria

	30-150	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C
	30-150	09/07/21 14:20	09/08/21 18:50	B1I0086	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C15-1.0

Lab ID: BCI0054-12 (Soil)

Sampled: 09/03/21 11:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	107		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	23.7	J	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:29	B1I0086	BC	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	<i>111%</i>						09/07/21 14:20	<i>09/08/21 19:29</i>	B1I0086	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>67.2%</i>						09/07/21 14:20	<i>09/08/21 19:29</i>	B1I0086	<i>BC</i>	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C15-3.0

Lab ID: BCI0054-13 (Soil)

Sampled: 09/03/21 11:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	104%
Surrogate: Tetrachloro-m-xylene	94.2%

Acceptance Criteria

	30-150	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C
	30-150	09/07/21 14:20	09/08/21 19:48	B1I0086	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C15-3.0-Dup

Lab ID: BCI0054-14 (Soil)

Sampled: 09/03/21 11:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	124%
Surrogate: Tetrachloro-m-xylene	64.9%

Acceptance Criteria

	30-150	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C
	30-150	09/07/21 14:20	09/08/21 20:07	B1I0086	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C15-5.0

Lab ID: BCI0054-15 (Soil)

Sampled: 09/03/21 11:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	98.6%						09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C
Surrogate: Tetrachloro-m-xylene	69.7%						09/07/21 14:20	09/08/21 20:26	B1I0086	BC	3540C

Acceptance Criteria

							30-150				
							30-150				



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C19-1.0

Lab ID: BCI0054-18 (Soil)

Sampled: 09/03/21 11:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	113%						09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C
Surrogate: Tetrachloro-m-xylene	75.9%						09/07/21 14:20	09/08/21 20:45	B1I0086	BC	3540C

Acceptance Criteria

							30-150				
							30-150				



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C19-3.0

Lab ID: BCI0054-19 (Soil)

Sampled: 09/03/21 11:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	112%
Surrogate: Tetrachloro-m-xylene	69.5%

Acceptance Criteria

	30-150	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C
	30-150	09/07/21 14:20	09/08/21 21:05	B1I0086	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C19-5.0

Lab ID: BCI0054-20 (Soil)

Sampled: 09/03/21 11:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	86.8%				30-150		09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C
Surrogate: Tetrachloro-m-xylene	61.1%				30-150		09/07/21 14:20	09/08/21 21:24	B1I0086	BC	3540C



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C21-1.0

Lab ID: BCI0054-23 (Soil)

Sampled: 09/03/21 13:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
Aroclor-1248 (PCB-1248)	151	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
Aroclor-1254 (PCB-1254)	61.0	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	88.1%						09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	86.4%						09/07/21 14:20	09/08/21 21:43	B1I0086	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C21-3.0

Lab ID: BCI0054-24 (Soil)

Sampled: 09/03/21 13:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	93.8%						09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C
Surrogate: Tetrachloro-m-xylene	70.5%						09/07/21 14:20	09/08/21 22:02	B1I0086	BC	3540C

Acceptance Criteria

							30-150				
							30-150				



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C21-5.0

Lab ID: BCI0054-25 (Soil)

Sampled: 09/03/21 13:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	103%
Surrogate: Tetrachloro-m-xylene	71.8%

Acceptance Criteria

	30-150	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C
	30-150	09/07/21 14:20	09/08/21 22:21	B1I0086	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C21-5.0-Dup

Lab ID: BCI0054-26 (Soil)

Sampled: 09/03/21 13:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	88.8%						09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C
Surrogate: Tetrachloro-m-xylene	65.0%						09/07/21 14:20	09/08/21 22:41	B1I0086	BC	3540C

Acceptance Criteria

							30-150				
							30-150				



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C100-1.0

Lab ID: BCI0054-29 (Soil)

Sampled: 09/03/21 13:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	5780	DIL	10	200	500	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	1760	DIL	10	200	500	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:19	B1I0086	BC	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	<i>136%</i>						09/07/21 14:20	<i>09/08/21 23:19</i>	B1I0086	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>82.5%</i>						09/07/21 14:20	<i>09/08/21 23:19</i>	B1I0086	<i>BC</i>	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C100-3.0

Lab ID: BCI0054-30 (Soil)

Sampled: 09/03/21 13:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
Aroclor-1248 (PCB-1248)	1980	DIL	5	100	250	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
Aroclor-1254 (PCB-1254)	402	DIL	5	100	250	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/07/21 14:20	09/08/21 23:38	B1I0086	BC	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	<i>135%</i>						09/07/21 14:20	<i>09/08/21 23:38</i>	B1I0086	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>64.9%</i>						09/07/21 14:20	<i>09/08/21 23:38</i>	B1I0086	<i>BC</i>	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: C100-5.0

Lab ID: BCI0054-31 (Soil)

Sampled: 09/03/21 13:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	89.7%
Surrogate: Tetrachloro-m-xylene	67.0%

Acceptance Criteria

	30-150	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C
	30-150	09/08/21 13:32	09/09/21 01:33	B1I0109	BC	3540C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Analytical Results

Client ID: EB-090321

Lab ID: BCI0054-34 (Aqueous)

Sampled: 09/03/21 9:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 17:49	B1I0150	AS	3510C

Recovery

Surrogate: Decachlorobiphenyl 93.1%
Surrogate: Tetrachloro-m-xylene 88.0%

Acceptance Criteria

30-150
30-150

09/09/21 13:42 09/09/21 17:49 B1I0150 AS 3510C
09/09/21 13:42 09/09/21 17:49 B1I0150 AS 3510C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0150 - 3510C					Prepared: 09/09/2021 13:42						
Method Blank (B1I0150-BLK1)					Analyzed: 09/09/2021 17:30						
Aroclor-1016 (PCB-1016)	ND	1.00	5.00	ug/L							
Aroclor-1221 (PCB-1221)	ND	2.00	10.0	ug/L							
Aroclor-1232 (PCB-1232)	ND	1.00	5.00	ug/L							
Aroclor-1242 (PCB-1242)	ND	1.00	5.00	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.250	2.50	ug/L							
Aroclor-1254 (PCB-1254)	ND	1.00	5.00	ug/L							
Aroclor-1260 (PCB-1260)	ND	1.00	5.00	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.382			ug/L	0.500		76.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.422			ug/L	0.500		84.5	30-150			



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Revised and Reissued
Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0150 - 3510C (Continued)					Prepared: 09/09/2021 13:42						
LCS (B1I0150-BS1)					Analyzed: 09/09/2021 16:51						
Aroclor-1016 (PCB-1016)	4.60	1.00	5.00	ug/L	5.00		91.9	40-150			
Aroclor-1260 (PCB-1260)	4.66	1.00	5.00	ug/L	5.00		93.2	40-150			
Surrogate: Decachlorobiphenyl	0.498			ug/L	0.500		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.332			ug/L	0.500		66.4	30-150			
LCSD (B1I0150-BSD1)					Analyzed: 09/09/2021 17:10						
Aroclor-1016 (PCB-1016)	4.74	1.00	5.00	ug/L	5.00		94.8	40-150	3.05	20	
Aroclor-1260 (PCB-1260)	4.53	1.00	5.00	ug/L	5.00		90.7	40-150	2.68	20	
Surrogate: Decachlorobiphenyl	0.473			ug/L	0.500		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.350			ug/L	0.500		70.1	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0054
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
Reported: 09/17/2021 10:28

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0086 - 3540C					Prepared: 09/07/2021 14:20						
Method Blank (B1I0086-BLK1)					Analyzed: 09/08/2021 16:36						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	50.8			ug/kg wet	50.0		102	30-150			
Surrogate: Tetrachloro-m-xylene	39.0			ug/kg wet	50.0		78.1	30-150			



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Tetra Tech, Inc.	AETL Job Number: BCI0054	Site: Bethune Middle School
3475 East Foothill Boulevard	Project Number: [none]	
Pasadena, CA 91107	Attention: Mark Feldman	
	Project Name: LAUSD Bethune MS	Reported: 09/17/2021 10:28

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0086 - 3540C (Continued)

Prepared: 09/07/2021 14:20

LCS (B1I0086-BS1)

Analyzed: 09/08/2021 15:19

Aroclor-1016 (PCB-1016)	505	20.0	50.0	ug/kg wet	500		101	50-150			
Aroclor-1260 (PCB-1260)	597	20.0	50.0	ug/kg wet	500		119	50-150			
Surrogate: Decachlorobiphenyl	59.8			ug/kg wet	50.0		120	30-150			
Surrogate: Tetrachloro-m-xylene	52.1			ug/kg wet	50.0		104	30-150			

LCSD (B1I0086-BS1)

Analyzed: 09/08/2021 15:38

Aroclor-1016 (PCB-1016)	515	20.0	50.0	ug/kg wet	500		103	50-150	2.05	40	
Aroclor-1260 (PCB-1260)	583	20.0	50.0	ug/kg wet	500		117	50-150	2.36	40	
Surrogate: Decachlorobiphenyl	52.6			ug/kg wet	50.0		105	30-150			
Surrogate: Tetrachloro-m-xylene	34.3			ug/kg wet	50.0		68.7	30-150			

Matrix Spike (B1I0086-MS1)

Source: BCI0054-19

Analyzed: 09/08/2021 15:57

Aroclor-1016 (PCB-1016)	253	20.0	50.0	ug/kg dry	261	ND	96.8	50-150			
Aroclor-1260 (PCB-1260)	259	20.0	50.0	ug/kg dry	261	ND	99.3	50-150			
Surrogate: Decachlorobiphenyl	22.5			ug/kg dry	26.1		86.3	30-150			
Surrogate: Tetrachloro-m-xylene	27.2			ug/kg dry	26.1		104	30-150			

Matrix Spike Dup (B1I0086-MSD1)

Source: BCI0054-19

Analyzed: 09/08/2021 16:16

Aroclor-1016 (PCB-1016)	237	20.0	50.0	ug/kg dry	261	ND	90.6	50-150	6.57	40	
Aroclor-1260 (PCB-1260)	225	20.0	50.0	ug/kg dry	261	ND	86.0	50-150	14.3	40	
Surrogate: Decachlorobiphenyl	28.9			ug/kg dry	26.1		111	30-150			
Surrogate: Tetrachloro-m-xylene	20.4			ug/kg dry	26.1		78.0	30-150			

Batch: B1I0109 - 3540C

Prepared: 09/08/2021 13:32

Method Blank (B1I0109-BLK1)

Analyzed: 09/09/2021 01:14

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	62.3			ug/kg wet	50.0		125	30-150			
Surrogate: Tetrachloro-m-xylene	36.0			ug/kg wet	50.0		71.9	30-150			



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCI0054 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune MS	Site: Bethune Middle School Reported: 09/17/2021 10:28
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Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0109 - 3540C (Continued)					Prepared: 09/08/2021 13:32						
LCS (B1I0109-BS1)					Analyzed: 09/08/2021 23:57						
Aroclor-1016 (PCB-1016)	652	20.0	50.0	ug/kg wet	500		130	50-150			
Aroclor-1260 (PCB-1260)	527	20.0	50.0	ug/kg wet	500		105	50-150			
Surrogate: Decachlorobiphenyl	55.9			ug/kg wet	50.0		112	30-150			
Surrogate: Tetrachloro-m-xylene	39.5			ug/kg wet	50.0		79.1	30-150			
LCSD (B1I0109-BSD1)					Analyzed: 09/09/2021 00:16						
Aroclor-1016 (PCB-1016)	645	20.0	50.0	ug/kg wet	500		129	50-150	1.04	40	
Aroclor-1260 (PCB-1260)	529	20.0	50.0	ug/kg wet	500		106	50-150	<1.00	40	
Surrogate: Decachlorobiphenyl	71.6			ug/kg wet	50.0		143	30-150			
Surrogate: Tetrachloro-m-xylene	35.0			ug/kg wet	50.0		70.0	30-150			



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Qualifiers and Definitions

Item	Qualifiers
DIL	Result for the compound reported from diluted analysis.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCI0054 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune MS	Site: Bethune Middle School Reported: 09/17/2021 10:28
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N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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September 17, 2021

AETL Job No: BCI0060 Rev. 01
Received Date: 09/07/2021
Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: LAUSD Bethune MS
Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hossein Shahrokhnia
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: [none]
Work Order Number: BCI0060

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD

121961

COMPANY TETRA TECH		PROJECT MANAGER FEUDMAN		AETL JOB No. BC10060		Page 1 of 4	
COMPANY ADDRESS PASADENA		PHONE 909 289 3343		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME LACSD - BETHUNE M.S.		EMAIL MARL.FEUDMAN@TETRA.COM		PROJECT #		ALL RESULTS ARE TO BE REPORTED ON A DRY WEIGHT BASIS	
SITE NAME AND ADDRESS BETHUNE M.S.		PO #		PROJECT #		BC1006001	
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
C103-1.0		9/4/21	7:44	SOIL	1	NONE	
C103-3.0							
C103-5.0							
C103-7.5							
C103-7.5-DUP							
C103-10.0			8:12				
C105-1.0	8 th	9/4/21	8:30				
C105-3.0							
C105-5.0							
C105-7.5							
C105-10.0			8:55				
Y15-1.0		9/4/21	9:30				
Y15-3.0							
Y15-5.0							
Y15-7.5			9:50				
TOTAL NUMBER OF CONTAINERS: 15				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
BILLING INFORMATION / SPECIAL INSTRUCTIONS				RELINQUISHED BY: 3.		RELINQUISHED BY: 3.	
Signature: <i>[Signature]</i>				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Printed Name: M FEUDMAN				Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
Date: 9/5/21 Time: 8:50				Date: 9/7/2021 Time: 08:00		Date: 9/7/2021 Time: 08:50	
RECEIVED BY: 1.				RECEIVED BY: 2.		RECEIVED BY: 3.	
Signature: <i>[Signature]</i>				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Printed Name: <i>[Signature]</i>				Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
Date: 9/5/21 Time: 08:50				Date: 9/7/2021 Time: 08:50		Date: 9/7/2021 Time: 08:50	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH		<input checked="" type="checkbox"/> HARD COPY <input checked="" type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH <input type="checkbox"/>				Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
Date: 9/5/21 Time: 08:50				Date: 9/5/21 Time: 08:50		Date: 9/7/2021 Time: 08:50	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
				Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
				Date: 9/5/21 Time: 08:50		Date: 9/7/2021 Time: 08:50	



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CHAIN OF CUSTODY RECORD

121959

COMPANY TETRA TECH		PROJECT MANAGER M. FELDMAN		AETL JOB No. BC10060		Page 2 of 4	
COMPANY ADDRESS PASADENA		PHONE 909 289 3343		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME BETHUNE MS		PROJECT #					
SITE NAME AND ADDRESS BETHUNE MS		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
Y15-10.0		9/4/24	9:52	SOIL	1	NONE	
Y15-10.0-DUP		9/4/24	10:15				
Y11-10							
Y11-30							
Y11-50							
Y11-7.5							
Y11-10.0							
Y19-1.0		9/4/24	10:42				
Y19-10.0-DUP							
Y19-3.0							
Y19-5.0							
Y19-7.5							
Y19-10.0		9/4/24	11:06				
Y21-1.0		9/4/24	11:14				
Y21-3.0		9/4/24	11:20				
TOTAL NUMBER OF CONTAINERS: 15				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
BILLING INFORMATION / SPECIAL INSTRUCTIONS				RELINQUISHED BY: 3.		RELINQUISHED BY: 3.	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.	
DATA DELIVERABLE REQUIRED				RECEIVED BY: 3.		RECEIVED BY: 3.	
NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/>				HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY) <input type="checkbox"/>		Signature: _____ Printed Name: _____ Date: _____ Time: _____	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator				Signature: _____ Printed Name: _____ Date: _____ Time: _____		Signature: _____ Printed Name: _____ Date: _____ Time: _____	



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CHAIN OF CUSTODY RECORD

121960

COMPANY TETRA TECH		PROJECT MANAGER FASADENA		AETL JOB No. BC10060		Page 3 of 4	
COMPANY ADDRESS PASADENA		PHONE 909 289 3343		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME LAUSD - BETHUNE M.S.		PROJECT #					
SITE NAME AND ADDRESS BETHUNE M.S.		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
421-5.0		9/4/21	11:26	SOIL	1	LOWE	BC10060.31
421-7.5							
421-10.0							
47-1.0		9/4/21	11:37				
47-3.0							
47-3.0-DUP							
47-5.0							
47-7.5							
47-10.0							
43-1.0		9/4/21	12:54				
43-3.0							
43-5.0							
43-7.5							
43-10.0		9/4/21	13:12				
4100-1.0		9/4/21	13:18				
TOTAL NUMBER OF CONTAINERS: 15				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
BILLING INFORMATION / SPECIAL INSTRUCTIONS				Signature:		Signature:	
				Printed Name: KEVIN		Printed Name: FAHADENA	
				Date: 9/5/21		Date: 9/7/21	
				Time: 8:50		Time: 09:50	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.	
DATA DELIVERABLE REQUIRED				Signature:		Signature:	
				Printed Name: FAHADENA		Printed Name: FAHADENA	
				Date: 9/7/21		Date: 9/7/21	
				Time: 8:50		Time: 09:50	
TURN AROUND TIME				RECEIVED BY: 3.		RECEIVED BY: 3.	
DATA DELIVERABLE REQUIRED				Signature:		Signature:	
				Printed Name: FAHADENA		Printed Name: FAHADENA	
				Date: 9/7/21		Date: 9/7/21	
				Time: 8:50		Time: 09:50	



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CHAIN OF CUSTODY RECORD

110132

COMPANY		PROJECT MANAGER		AETL JOB No.		Page	
TETRA TECH		PARDON		BC10060		4 of 4	
COMPANY ADDRESS		PHONE		FAX		PROJECT #	
PASADENA		909 289 3343					
PROJECT NAME		PO #		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
LAWD-BETHUNE MS				HGH			
SITE NAME AND ADDRESS							
BETHUNE MS							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
4100-3.0		9/4/24	13:23	SOL	1	NONE	BC10060-46
4100-5.0							47
4100-5.0-DUP							48
4100-7.5							49
4100-10.0							50
<div>RECEIVED IN GOOD COND. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N</div> <div>TURN AROUND TIME <input checked="" type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS</div> <div><input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH</div> <div><input checked="" type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)</div>							
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY							
TOTAL NUMBER OF CONTAINERS		5		PROPERLY COOLED		Y/N/NA	
CUSTODY SEALS		X/N/NA		SAMPLES INTACT		Y/N/NA	
RECEIVED IN GOOD COND.		Y/N		SAMPLES ACCEPTED		Y/N	
TURN AROUND TIME				DATA DELIVERABLE REQUIRED			
RECEIVED BY: 1.		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]	
Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]	
Date: 9/5/24		Time: 8:50		Date: 9/7/2023		Time: 09:50	
RECEIVED BY: 1.		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]	
Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]	
Date: 9/5/2021		Time: 08:00		Date: 9/7/2023		Time: 09:50	
RECEIVED BY: 2.		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]	
Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]	
Date: 9/5/2021		Time: 08:00		Date: 9/7/2023		Time: 09:50	
RECEIVED BY: 3.		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]	
Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]	
Date: 9/5/2021		Time: 08:00		Date: 9/7/2023		Time: 09:50	
RECEIVED BY: 3.		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]	
Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]	
Date: 9/5/2021		Time: 08:00		Date: 9/7/2023		Time: 09:50	



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COOLER RECEIPT FORM

Client Name: <u>Tetra Tech</u>				
Project Name:				
AETL Job Number: <u>BC10060</u>				
Date Received: <u>9/7/21</u>		Received by: <u>Sargis Pireh</u>		
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GLS <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4°C</u> , No 2: , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received

AETL received the following samples on 09/07/2021 with the following specifications

Client ID C103-1.0		Sample Date 09/4/2021 7:44
Lab ID BCI0060-01	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID C103-3.0		Sample Date 09/4/2021 7:44
Lab ID BCI0060-02	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID C103-5.0		Sample Date 09/4/2021 7:44
Lab ID BCI0060-03	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID C105-1.0		Sample Date 09/4/2021 8:30
Lab ID BCI0060-07	Matrix Soil	Quantity of Containers 1
Analysis	Units	TAT



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Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID C105-3.0		Sample Date 09/4/2021 8:30
Lab ID BCI0060-08	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID C105-5.0		Sample Date 09/4/2021 8:30
Lab ID BCI0060-09	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y15-1.0		Sample Date 09/4/2021 9:30
Lab ID BCI0060-12	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID	Sample Date
Y15-3.0	09/4/2021 9:30
Lab ID	Quantity of Containers
BCI0060-13	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
Y15-5.0	09/4/2021 9:30
Lab ID	Quantity of Containers
BCI0060-14	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
Y11-1.0	09/4/2021 10:15
Lab ID	Quantity of Containers
BCI0060-18	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
Y11-3.0	09/4/2021 10:15
Lab ID	Quantity of Containers
BCI0060-19	1

Analysis	Units	TAT
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AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID Y11-5.0		Sample Date 09/4/2021 10:15
Lab ID BCI0060-20	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y19-1.0		Sample Date 09/4/2021 10:50
Lab ID BCI0060-23	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y19-1.0Dup		Sample Date 09/4/2021 10:50
Lab ID BCI0060-24	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID	Sample Date
Y19-3.0	09/4/2021 10:50
Lab ID	Quantity of Containers
BCI0060-25	1
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
	TAT
	5
	5
Client ID	Sample Date
Y19-5.0	09/4/2021 10:50
Lab ID	Quantity of Containers
BCI0060-26	1
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
	TAT
	5
	5
Client ID	Sample Date
Y21-1.0	09/4/2021 11:14
Lab ID	Quantity of Containers
BCI0060-29	1
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
	TAT
	5
	5
Client ID	Sample Date
Y21-3.0	09/4/2021 11:20
Lab ID	Quantity of Containers
BCI0060-30	1
Analysis	Units
	TAT



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AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID Y21-5.0		Sample Date 09/4/2021 11:26
Lab ID BCI0060-31	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y7-1.0		Sample Date 09/4/2021 11:49
Lab ID BCI0060-34	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y7-3.0		Sample Date 09/4/2021 11:49
Lab ID BCI0060-35	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID Y7-3.0Dup		Sample Date 09/4/2021 11:49
Lab ID BCI0060-36	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID Y7-5.0		Sample Date 09/4/2021 11:49
Lab ID BCI0060-37	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID Y3-1.0		Sample Date 09/4/2021 12:54
Lab ID BCI0060-40	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID Y3-3.0		Sample Date 09/4/2021 12:54
Lab ID BCI0060-41	Matrix Soil	Quantity of Containers 1
Analysis	Units	TAT



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Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID Y3-5.0		Sample Date 09/4/2021 12:54
Lab ID BCI0060-42	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y100-1.0		Sample Date 09/4/2021 13:18
Lab ID BCI0060-45	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y100-3.0		Sample Date 09/4/2021 13:23
Lab ID BCI0060-46	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Tetra Tech, Inc.
3475 East Foothill Boulevard
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AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID	Sample Date
Y100-5.0	09/4/2021 13:23
Lab ID	Matrix
BCI0060-47	Soil
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg

Quantity of Containers
1

TAT

5
5

Client ID	Sample Date
Y100-5.0Dup	09/4/2021 13:23
Lab ID	Matrix
BCI0060-48	Soil
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg

Quantity of Containers
1

TAT

5
5

Total Number of Samples received: 30



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AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Positive Hits Summary

Lab ID	Client ID					Sampled
BCI0060-01	C103-1.0					09/04/2021 07:44
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	818		ug/kg dry	09/09/2021 01:52	
EPA 8082	Aroclor-1254 (PCB-1254)	255		ug/kg dry	09/09/2021 01:52	
ASTM D2216	Moisture Content	20.7		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	79.3		% wt	09/08/2021 12:00	

Lab ID	Client ID					Sampled
BCI0060-02	C103-3.0					09/04/2021 07:44
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	21.2		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	78.8		% wt	09/08/2021 12:00	

Lab ID	Client ID					Sampled
BCI0060-03	C103-5.0					09/04/2021 07:44
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	17.3		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	82.7		% wt	09/08/2021 12:00	

Lab ID	Client ID					Sampled
BCI0060-07	C105-1.0					09/04/2021 08:30
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	9.99		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	90.0		% wt	09/08/2021 12:00	

Lab ID	Client ID					Sampled
BCI0060-08	C105-3.0					09/04/2021 08:30
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	10.3		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	89.7		% wt	09/08/2021 12:00	



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Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0060-09	C105-5.0				09/04/2021 08:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.30		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.7		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0060-12	Y15-1.0				09/04/2021 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	18100	DIL	ug/kg dry	09/09/2021 04:07
EPA 8082	Aroclor-1254 (PCB-1254)	4350	DIL	ug/kg dry	09/09/2021 04:07
ASTM D2216	Moisture Content	8.84		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	91.2		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0060-13	Y15-3.0				09/04/2021 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.92		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.1		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0060-14	Y15-5.0				09/04/2021 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.83		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	92.2		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0060-18	Y11-1.0				09/04/2021 10:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	10.3		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	89.7		% wt	09/08/2021 12:00



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0060-19	Y11-3.0				09/04/2021 10:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.73		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.3		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-20	Y11-5.0				09/04/2021 10:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.0		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	86.0		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-23	Y19-1.0				09/04/2021 10:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.13		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.9		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-24	Y19-1.0Dup				09/04/2021 10:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.03		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	91.0		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-25	Y19-3.0				09/04/2021 10:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.90		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	92.1		% wt	09/08/2021 12:00



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0060-26	Y19-5.0				09/04/2021 10:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.01		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	93.0		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-29	Y21-1.0				09/04/2021 11:14
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	2.61		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	97.4		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-30	Y21-3.0				09/04/2021 11:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.59		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	92.4		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-31	Y21-5.0				09/04/2021 11:26
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.40		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	93.6		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-34	Y7-1.0				09/04/2021 11:49
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	95.9		ug/kg dry	09/09/2021 21:01
EPA 8082	Aroclor-1254 (PCB-1254)	80.2		ug/kg dry	09/09/2021 21:01
ASTM D2216	Moisture Content	9.40		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.6		% wt	09/08/2021 12:00



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0060-35	Y7-3.0				09/04/2021 11:49
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	10.1		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	89.9		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0060-36	Y7-3.0Dup				09/04/2021 11:49
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	10.2		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	89.8		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0060-37	Y7-5.0				09/04/2021 11:49
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.4		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	84.6		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0060-40	Y3-1.0				09/04/2021 12:54
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	115		ug/kg dry	09/09/2021 22:18
ASTM D2216	Moisture Content	3.92		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	96.1		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0060-41	Y3-3.0				09/04/2021 12:54
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.9		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	87.1		% wt	09/08/2021 12:00



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3475 East Foothill Boulevard
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AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0060-42	Y3-5.0				09/04/2021 12:54
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.91		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	92.1		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-45	Y100-1.0				09/04/2021 13:18
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.12		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	91.9		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-46	Y100-3.0				09/04/2021 13:23
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.83		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.2		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-47	Y100-5.0				09/04/2021 13:23
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.87		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.1		% wt	09/08/2021 12:00
Lab ID	Client ID				Sampled
BCI0060-48	Y100-5.0Dup				09/04/2021 13:23
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.31		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.7		% wt	09/08/2021 12:00



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: C103-1.0

Lab ID: BCI0060-01 (Soil)

Sampled: 09/04/21 7:44

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
Aroclor-1248 (PCB-1248)	818	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
Aroclor-1254 (PCB-1254)	255	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 01:52	B1I0109	BC	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	<i>106%</i>	<i>30-150</i>					09/08/21 13:32	<i>09/09/21 01:52</i>	B1I0109	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.4%</i>	<i>30-150</i>					09/08/21 13:32	<i>09/09/21 01:52</i>	B1I0109	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	20.7		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216
Percent Solids	79.3		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: C103-3.0

Lab ID: BCI0060-02 (Soil)

Sampled: 09/04/21 7:44

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	95.7%				30-150		09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	67.3%				30-150		09/08/21 13:32	09/09/21 02:12	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	21.2		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216
Percent Solids	78.8		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: C103-5.0

Lab ID: BCI0060-03 (Soil)

Sampled: 09/04/21 7:44

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	119%				30-150		09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	69.6%				30-150		09/08/21 13:32	09/09/21 02:31	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.3		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216
Percent Solids	82.7		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: C105-1.0

Lab ID: BCI0060-07 (Soil)

Sampled: 09/04/21 8:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	113%				30-150		09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	81.5%				30-150		09/08/21 13:32	09/09/21 02:50	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.99		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216
Percent Solids	90.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: C105-3.0

Lab ID: BCI0060-08 (Soil)

Sampled: 09/04/21 8:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	103%				30-150		09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	74.3%				30-150		09/08/21 13:32	09/09/21 03:28	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.3		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216
Percent Solids	89.7		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: C105-5.0

Lab ID: BCI0060-09 (Soil)

Sampled: 09/04/21 8:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	90.3%				30-150		09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	67.3%				30-150		09/08/21 13:32	09/09/21 03:47	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.30		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216
Percent Solids	90.7		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y15-1.0

Lab ID: BCI0060-12 (Soil)

Sampled: 09/04/21 9:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	18100	DIL	20	400	1000	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	4350	DIL	20	400	1000	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:07	B1I0109	BC	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	<i>111%</i>						09/08/21 13:32	<i>09/09/21 04:07</i>	B1I0109	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>72.3%</i>						09/08/21 13:32	<i>09/09/21 04:07</i>	B1I0109	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.84		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216
Percent Solids	91.2		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0171	cs	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y15-3.0

Lab ID: BCI0060-13 (Soil)

Sampled: 09/04/21 9:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
<hr/>										
	Recovery	Acceptance Criteria								
Surrogate: Decachlorobiphenyl	104%	30-150				09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	84.4%	30-150				09/08/21 13:32	09/09/21 04:26	B1I0109	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.92		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	cs	ASTM-D2216
Percent Solids	90.1		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	cs	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y15-5.0

Lab ID: BCI0060-14 (Soil)

Sampled: 09/04/21 9:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	93.2%					30-150	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	60.1%					30-150	09/08/21 13:32	09/09/21 04:45	B1I0109	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.83		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	cs	ASTM-D2216
Percent Solids	92.2		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	cs	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y11-1.0

Lab ID: BCI0060-18 (Soil)

Sampled: 09/04/21 10:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	95.4%				30-150		09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	69.2%				30-150		09/08/21 13:32	09/09/21 05:04	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.3		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	89.7		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y11-3.0

Lab ID: BCI0060-19 (Soil)

Sampled: 09/04/21 10:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:23	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

85.1%
67.0%

Acceptance Criteria

30-150
30-150

09/08/21 13:32
09/08/21 13:32

09/09/21 05:23
09/09/21 05:23

B1I0109
B1I0109

BC
BC

3540C
3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.73		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	90.3		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y11-5.0

Lab ID: BCI0060-20 (Soil)

Sampled: 09/04/21 10:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	90.9%						09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	89.4%						09/08/21 13:32	09/09/21 05:42	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	86.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y19-1.0

Lab ID: BCI0060-23 (Soil)

Sampled: 09/04/21 10:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	119%				30-150		09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	75.5%				30-150		09/08/21 13:32	09/09/21 06:02	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.13		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	90.9		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y19-1.0Dup

Lab ID: BCI0060-24 (Soil)

Sampled: 09/04/21 10:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	93.7%						09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	65.6%						09/08/21 13:32	09/09/21 06:21	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.03		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	91.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y19-3.0

Lab ID: BCI0060-25 (Soil)

Sampled: 09/04/21 10:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	96.9%				30-150		09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	57.1%				30-150		09/08/21 13:32	09/09/21 06:40	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.90		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	92.1		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y19-5.0

Lab ID: BCI0060-26 (Soil)

Sampled: 09/04/21 10:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	103%				30-150		09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	69.8%				30-150		09/08/21 13:32	09/09/21 06:59	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.01		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	93.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y21-1.0

Lab ID: BCI0060-29 (Soil)

Sampled: 09/04/21 11:14

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	111%						09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	78.1%						09/08/21 13:32	09/09/21 07:38	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	2.61		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	97.4		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y21-3.0

Lab ID: BCI0060-30 (Soil)

Sampled: 09/04/21 11:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	93.9%					30-150	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	89.7%					30-150	09/08/21 13:32	09/09/21 07:57	B1I0109	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.59		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	cs	ASTM-D2216
Percent Solids	92.4		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	cs	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y21-5.0

Lab ID: BCI0060-31 (Soil)

Sampled: 09/04/21 11:26

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	109%						09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C
Surrogate: Tetrachloro-m-xylene	73.1%						09/08/21 13:32	09/09/21 08:16	B1I0109	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.40		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	93.6		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y7-1.0

Lab ID: BCI0060-34 (Soil)

Sampled: 09/04/21 11:49

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	95.9		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	80.2		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	99.8%				30-150		09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	73.1%				30-150		09/09/21 16:29	09/09/21 21:01	B1I0157	AS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.40		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	90.6		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y7-3.0

Lab ID: BCI0060-35 (Soil)

Sampled: 09/04/21 11:49

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	108%				30-150		09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	62.7%				30-150		09/09/21 16:29	09/09/21 21:20	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.1		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216
Percent Solids	89.9		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0185	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y7-3.0Dup

Lab ID: BCI0060-36 (Soil)

Sampled: 09/04/21 11:49

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:39	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

108%
64.0%

Acceptance Criteria

30-150
30-150

09/09/21 16:29 09/09/21 21:39 B1I0157 AS 3540C
09/09/21 16:29 09/09/21 21:39 B1I0157 AS 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.2		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	89.8		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y7-5.0

Lab ID: BCI0060-37 (Soil)

Sampled: 09/04/21 11:49

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 21:58	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

97.1%
70.2%

Acceptance Criteria

30-150
30-150

09/09/21 16:29 09/09/21 21:58 B1I0157 AS 3540C
09/09/21 16:29 09/09/21 21:58 B1I0157 AS 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.4		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	84.6		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y3-1.0

Lab ID: BCI0060-40 (Soil)

Sampled: 09/04/21 12:54

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
Aroclor-1248 (PCB-1248)	115	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	115%	30-150					09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	66.4%	30-150					09/09/21 16:29	09/09/21 22:18	B1I0157	AS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.92		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	96.1		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y3-3.0

Lab ID: BCI0060-41 (Soil)

Sampled: 09/04/21 12:54

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	98.7%				30-150		09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	68.0%				30-150		09/09/21 16:29	09/09/21 22:37	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.9		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	87.1		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y3-5.0

Lab ID: BCI0060-42 (Soil)

Sampled: 09/04/21 12:54

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	98.2%				30-150		09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	66.8%				30-150		09/09/21 16:29	09/09/21 22:56	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.91		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	92.1		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y100-1.0

Lab ID: BCI0060-45 (Soil)

Sampled: 09/04/21 13:18

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	98.1%				30-150		09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	66.5%				30-150		09/09/21 16:29	09/09/21 23:15	B1I0157	AS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.12		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	91.9		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y100-3.0

Lab ID: BCI0060-46 (Soil)

Sampled: 09/04/21 13:23

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	111%				30-150		09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	85.9%				30-150		09/09/21 16:29	09/09/21 23:34	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.83		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	90.2		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y100-5.0

Lab ID: BCI0060-47 (Soil)

Sampled: 09/04/21 13:23

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	98.4%				30-150		09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	65.5%				30-150		09/09/21 16:29	09/09/21 23:53	B1I0157	AS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.87		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	90.1		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Analytical Results

Client ID: Y100-5.0Dup

Lab ID: BCI0060-48 (Soil)

Sampled: 09/04/21 13:23

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	130%				30-150		09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	65.6%				30-150		09/09/21 16:29	09/10/21 00:13	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.31		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	90.7		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0109 - 3540C					Prepared: 09/08/2021 13:32						
Method Blank (B1I0109-BLK1)					Analyzed: 09/09/2021 01:14						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	62.3			ug/kg wet	50.0		125	30-150			
Surrogate: Tetrachloro-m-xylene	36.0			ug/kg wet	50.0		71.9	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0109 - 3540C (Continued)

Prepared: 09/08/2021 13:32

LCS (B1I0109-BS1)

Analyzed: 09/08/2021 23:57

Aroclor-1016 (PCB-1016)	652	20.0	50.0	ug/kg wet	500		130	50-150			
Aroclor-1260 (PCB-1260)	527	20.0	50.0	ug/kg wet	500		105	50-150			
Surrogate: Decachlorobiphenyl	55.9			ug/kg wet	50.0		112	30-150			
Surrogate: Tetrachloro-m-xylene	39.5			ug/kg wet	50.0		79.1	30-150			

LCSD (B1I0109-BSD1)

Analyzed: 09/09/2021 00:16

Aroclor-1016 (PCB-1016)	645	20.0	50.0	ug/kg wet	500		129	50-150	1.04	40	
Aroclor-1260 (PCB-1260)	529	20.0	50.0	ug/kg wet	500		106	50-150	<1.00	40	
Surrogate: Decachlorobiphenyl	71.6			ug/kg wet	50.0		143	30-150			
Surrogate: Tetrachloro-m-xylene	35.0			ug/kg wet	50.0		70.0	30-150			

Batch: B1I0157 - 3540C

Prepared: 09/09/2021 16:29

Method Blank (B1I0157-BLK1)

Analyzed: 09/09/2021 20:23

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	58.6			ug/kg wet	50.0		117	30-150			
Surrogate: Tetrachloro-m-xylene	42.7			ug/kg wet	50.0		85.4	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0157 - 3540C (Continued)					Prepared: 09/09/2021 16:29						
LCS (B1I0157-BS1)					Analyzed: 09/09/2021 19:06						
Aroclor-1016 (PCB-1016)	571	20.0	50.0	ug/kg wet	500		114	50-150			
Aroclor-1260 (PCB-1260)	526	20.0	50.0	ug/kg wet	500		105	50-150			
Surrogate: Decachlorobiphenyl	68.3			ug/kg wet	50.0		137	30-150			
Surrogate: Tetrachloro-m-xylene	37.1			ug/kg wet	50.0		74.1	30-150			
LCSD (B1I0157-BSD1)					Analyzed: 09/09/2021 19:25						
Aroclor-1016 (PCB-1016)	521	20.0	50.0	ug/kg wet	500		104	50-150	9.15	40	
Aroclor-1260 (PCB-1260)	566	20.0	50.0	ug/kg wet	500		113	50-150	7.18	40	
Surrogate: Decachlorobiphenyl	68.7			ug/kg wet	50.0		137	30-150			
Surrogate: Tetrachloro-m-xylene	29.4			ug/kg wet	50.0		58.8	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0171 - ASTM-D2216					Prepared: 09/08/2021 12:00						
Method Blank (B1I0171-BLK1)					Analyzed: 09/08/2021 12:00						
Moisture Content	100		0.100	% wt							



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

Batch: B1I0171 - ASTM-D2216 (Continued)

Duplicate (B1I0171-DUP1)

Source: BCI0054-20

Prepared: 09/08/2021 12:00

Analyzed: 09/08/2021 12:00

Moisture Content	9.13		0.100	% wt		9.17			<1.00	15	
------------------	------	--	-------	------	--	------	--	--	-------	----	--

Batch: B1I0185 - ASTM-D2216

Method Blank (B1I0185-BLK1)

Prepared: 09/08/2021 12:00

Analyzed: 09/08/2021 12:00

Moisture Content	100		0.100	% wt
Percent Solids	ND		0.100	% wt



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

Batch: B1I0185 - ASTM-D2216 (Continued)

Duplicate (B1I0185-DUP1)

Source: BCI0060-13

Prepared: 09/08/2021 12:00

Analyzed: 09/08/2021 12:00

Moisture Content	9.92		0.100	% wt		9.92			<1.00	15	
Percent Solids	90.1		0.100	% wt		90.1			<1.00	200	

Batch: B1I0186 - ASTM-D2216

Method Blank (B1I0186-BLK1)

Prepared: 09/08/2021 12:00

Analyzed: 09/08/2021 12:00

Moisture Content	100		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0186 - ASTM-D2216 (Continued)					Prepared: 09/08/2021 12:00						
Duplicate (B1I0186-DUP1)					Analyzed: 09/08/2021 12:00						
Moisture Content	10.3		0.100	% wt		10.2			<1.00	15	
Percent Solids	89.7		0.100	% wt		89.8			<1.00	200	



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCI0060 Project Number: [none] Attention: Mark Feldman Project Name: LAUSD Bethune MS	Site: Bethune Middle School 155 W. 69th St. Los Angeles, CA 90003 Reported: 09/17/2021 10:34
------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

Qualifiers and Definitions

Item	Qualifiers
DIL	Result for the compound reported from diluted analysis.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0060
Project Number: [none]
Attention: Mark Feldman
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:34

ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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September 17, 2021

AETL Job No: BCI0061 Rev. 01
Received Date: 09/07/2021
Project Number: 102-ENV.T372.54.11

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (626) 470-2391

Attention: Eric Nelson

Project Name: Bethune Middle School
Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hossein Shahrokhnia
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: 102-ENV.T372.54.11
Work Order Number: BCI0061

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Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD
40138

[illegible]



CHAIN OF CUSTODY RECORD

No. 90454

Page 2 of 2

COMPANY

Tetra Tech

PROJECT MANAGER

Eric Nelson

COMPANY ADDRESS

3475 E Foothill

PHONE

626-470-2591

FAX

PROJECT NAME

Bellhorne MS

PROJECT #

102-ENV-T37254.11

SITE NAME AND ADDRESS

155 W 69th St.
Los Angeles, CA

PO #

ANALYSIS REQUESTED

PCBs Soxhlet
Moisture
PCBs (8082)

TEST INSTRUCTIONS & COMMENTS

SAMPLE ID

LAB ID

DATE

TIME

MATRIX

CONTAINER NUMBER/SIZE

PRES.

1

W19-7.5-DUP

1008-16

9/6/2021

0920

S

1-402

N

2

W19-10

17

0925

3

W15-1

18

0930

4

W15-3

19

0935

5

W15-5

20

0940

6

W15-7.5

12

0950

7

W15-10

22

0955

8

W11-1

23

1000

9

W11-3

24

1005

10

W11-5

25

1010

11

W11-7.5

26

1020

12

W11-10

27

1025

13

W11-10-DUP

28

1025

14

E13-1

29

1055

15

E13-3

30

1115

RELINQUISHED BY SAMPLER:

Signature: [Signature]

Printed Name: [Name]

Date: [Date]

Time: [Time]

RELINQUISHED BY:

Signature: [Signature]

Printed Name: [Name]

Date: [Date]

Time: [Time]

RELINQUISHED BY:

Signature: [Signature]

Printed Name: [Name]

Date: [Date]

Time: [Time]

TURN AROUND TIME

NORMAL ☐ RUSH ☐

SAME DAY

NEXT DAY

2 DAYS

3 DAYS

DATA DELIVERABLE REQUIRED

HARD COPY

PDF

GEOTRACKER (GLOBAL ID)

OTHER (PLEASE SPECIFY)

RECEIVED IN GOOD CONDITION

Signature: [Signature]

Printed Name: [Name]

Date: [Date]

Time: [Time]

RECEIVED BY LABORATORY:

Signature: [Signature]

Printed Name: [Name]

Date: [Date]

Time: [Time]

RECEIVED BY:

Signature: [Signature]

Printed Name: [Name]

Date: [Date]

Time: [Time]

RECEIVED BY:

Signature: [Signature]

Printed Name: [Name]

Date: [Date]

Time: [Time]

RECEIVED BY:

Signature: [Signature]

Printed Name: [Name]

Date: [Date]

Time: [Time]

TRIBUTION:

WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

AETL JOB No.

PC19061

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of

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A KYZER LABS COMPANY

CHAIN OF CUSTODY RECORD

119809

AETL JOB No. BCL0061

Page 3 of 4

COMPANY	Tetra Tech		PROJECT MANAGER	Eric Nelson
COMPANY ADDRESS	3475 E Foothill		PHONE	626-470-2391
PROJECT NAME	Bethane MS		PROJECT #	102-ENV-T37254.11
SITE NAME AND ADDRESS	105 W 69th St		PO #	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
E13-5	BCL0061.51	9/6/2021	1120	S	1-402	✓
E13-7.5	32		1125			
E13-10	33		1130			
A13-1	34		1135			
A13-3	35		1140			
A13-5	36		1145			
A13-7.5	37		1150			
A13-10	38		1155			
A9-1	39		1245			
A9-1-DUP	40		1245			
A9-3	41		1250			
A9-5	42		1255			
A9-7.5	43		1305			
A9-10	44		1310			
E9-1	45		1315			

TOTAL NUMBER OF CONTAINERS:	15
BILLING INFORMATION / SPECIAL INSTRUCTIONS	
RELINQUISHED BY: 1. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
RELINQUISHED BY: 2. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
RELINQUISHED BY: 3. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
RECEIVED BY: 1. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
RECEIVED BY: 2. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
RECEIVED BY: 3. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
DATA DELIVERABLE REQUIRED	
TURN AROUND TIME	
NORMAL	<input type="checkbox"/> SAME DAY RUSH
2 DAYS RUSH	<input type="checkbox"/> 3 DAYS RUSH
4 DAYS RUSH	<input type="checkbox"/> NEXT DAY RUSH
HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/>	
GEO TRACKER (GLOBAL ID) <input type="checkbox"/>	
OTHER (PLEASE SPECIFY) <input type="checkbox"/>	

TRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

CHAIN OF CUSTODY RECORD

[illegible]

A KYZER LABS COMPANY

COMPANY

Tetra Tech

PROJECT MANAGER

Eric Nakan

COMPANY ADDRESS

3475 E Foothill

PHONE

626-470-2391

PROJECT NAME

Bethune MS

PROJECT #

102-ENV-T37254.11

SITE NAME AND ADDRESS

155 W 69th St,

PO #

ANALYSIS REQUESTED

PCSS solder

ANALYSIS REQUESTED

PCSS (8082)

TEST INSTRUCTIONS & COMMENTS

SAMPLE ID

EA-3

LAB ID

BC10061-46

DATE

9/16/2021

TIME

1320

MATRIX

S

CONTAINER NUMBER/SIZE

1-4oz

PRES.

2

SAMPLE ID

EA-3-DUP

LAB ID

1-47

DATE

TIME

1320

MATRIX

CONTAINER NUMBER/SIZE

PRES.

SAMPLE ID

EA-5

LAB ID

1-48

DATE

TIME

1325

MATRIX

CONTAINER NUMBER/SIZE

PRES.

SAMPLE ID

EA-75

LAB ID

1-49

DATE

TIME

1335

MATRIX

CONTAINER NUMBER/SIZE

PRES.

SAMPLE ID

EA-10

LAB ID

1-50

DATE

TIME

1340

MATRIX

CONTAINER NUMBER/SIZE

PRES.

SAMPLE ID

8-20200906

LAB ID

1-51

DATE

TIME

1400

MATRIX

W

CONTAINER NUMBER/SIZE

1-1L

PRES.

RELINQUISHED BY: 1.

RELINQUISHED BY: 2.

RELINQUISHED BY: 3.

RELINQUISHED BY: 1.

RELINQUISHED BY: 2.

RELINQUISHED BY: 3.

RELINQUISHED BY: 1.

RELINQUISHED BY: 2.

RELINQUISHED BY: 3.

TOTAL NUMBER OF CONTAINERS:

6

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME

NORMAL

SAME DAY RUSH

3 DAYS RUSH

4 DAYS RUSH

DATA DELIVERABLE REQUIRED

HARD COPY

E-COPY

GEOTRACKER (GLOBAL ID)

OTHER (PLEASE SPECIFY)

TURN AROUND TIME

NORMAL

SAME DAY RUSH

3 DAYS RUSH

4 DAYS RUSH

DATA DELIVERABLE REQUIRED

HARD COPY

E-COPY

GEOTRACKER (GLOBAL ID)

OTHER (PLEASE SPECIFY)

Page 4 of 4

Page 7 of 69



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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

COOLER RECEIPT FORM

Client Name: <u>Tetra Tech</u>				
Project Name:				
AETL Job Number: <u>BC10061</u>				
Date Received: <u>9/7/21</u>		Received by: <u>Sangis Pireh</u>		
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GLS <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4°C</u> , No 2: , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice <input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄ <input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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3475 East Foothill Boulevard
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AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Samples Received

AETL received the following samples on 09/07/2021 with the following specifications

Client ID	Sample Date
G18-1	09/6/2021 7:45
Lab ID	Quantity of Containers
BCI0061-01	1
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
TAT	5
5	
Client ID	Sample Date
G18-3	09/6/2021 7:50
Lab ID	Quantity of Containers
BCI0061-02	1
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
TAT	5
5	
Client ID	Sample Date
G18-5	09/6/2021 7:55
Lab ID	Quantity of Containers
BCI0061-03	1
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
TAT	5
5	
Client ID	Sample Date
G18-5Dup	09/6/2021 7:55
Lab ID	Quantity of Containers
BCI0061-04	1
Analysis	Units
	TAT



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Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID W21-1	Sample Date 09/6/2021 8:20
Lab ID BCI0061-07	Matrix Soil
	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg
	TAT 5 5

Client ID W21-3	Sample Date 09/6/2021 8:25
Lab ID BCI0061-08	Matrix Soil
	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg
	TAT 5 5

Client ID W21-5	Sample Date 09/6/2021 8:30
Lab ID BCI0061-09	Matrix Soil
	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg
	TAT 5 5



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Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID	Sample Date
W19-1	09/6/2021 9:00
Lab ID	Matrix
BCI0061-12	Soil
Quantity of Containers	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
W19-3	09/6/2021 9:05
Lab ID	Matrix
BCI0061-13	Soil
Quantity of Containers	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
W19-5	09/6/2021 9:10
Lab ID	Matrix
BCI0061-14	Soil
Quantity of Containers	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
W15-1	09/6/2021 9:30
Lab ID	Matrix
BCI0061-18	Soil
Quantity of Containers	1

Analysis	Units	TAT
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID W15-3		Sample Date 09/6/2021 9:35
Lab ID BCI0061-19	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID W15-5		Sample Date 09/6/2021 9:40
Lab ID BCI0061-20	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID W11-1		Sample Date 09/6/2021 10:00
Lab ID BCI0061-23	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID	Sample Date
W11-3	09/6/2021 10:05
Lab ID	Quantity of Containers
BCI0061-24	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
W11-5	09/6/2021 10:10
Lab ID	Quantity of Containers
BCI0061-25	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
E13-1	09/6/2021 10:55
Lab ID	Quantity of Containers
BCI0061-29	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
E13-3	09/6/2021 11:15
Lab ID	Quantity of Containers
BCI0061-30	1

Analysis	Units	TAT
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Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID E13-5		Sample Date 09/6/2021 11:20
Lab ID BCI0061-31	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID A13-1		Sample Date 09/6/2021 11:35
Lab ID BCI0061-34	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID A13-3		Sample Date 09/6/2021 11:40
Lab ID BCI0061-35	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Reported: 09/17/2021 10:46

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID A13-5		Sample Date 09/6/2021 11:45
Lab ID BCI0061-36	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID A9-1		Sample Date 09/6/2021 12:45
Lab ID BCI0061-39	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID A9-1Dup		Sample Date 09/6/2021 12:45
Lab ID BCI0061-40	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID A9-3		Sample Date 09/6/2021 12:50
Lab ID BCI0061-41	Matrix Soil	Quantity of Containers 1
Analysis	Units	TAT



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Site: Bethune Middle School
155 W. 69th St.
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Reported: 09/17/2021 10:46

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID A9-5		Sample Date 09/6/2021 12:55
Lab ID BCI0061-42	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID E9-1		Sample Date 09/6/2021 13:15
Lab ID BCI0061-45	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID E9-3		Sample Date 09/6/2021 13:20
Lab ID BCI0061-46	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Site: Bethune Middle School
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Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID	Sample Date
E9-3Dup	09/6/2021 13:20
Lab ID	Quantity of Containers
BCI0061-47	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
E9-5	09/6/2021 13:25
Lab ID	Quantity of Containers
BCI0061-48	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
EB-20200906	09/6/2021 14:00
Lab ID	Quantity of Containers
BCI0061-51	1

Analysis	Units	TAT
EPA 8082	ug/L	5

Total Number of Samples received: 31



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Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Positive Hits Summary

Lab ID	Client ID					Sampled
BCI0061-01	G18-1					09/06/2021 07:45
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	4.62		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	95.4		% wt	09/08/2021 12:00	
Lab ID	Client ID					Sampled
BCI0061-02	G18-3					09/06/2021 07:50
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	9.79		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	90.2		% wt	09/08/2021 12:00	
Lab ID	Client ID					Sampled
BCI0061-03	G18-5					09/06/2021 07:55
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	6.56		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	93.4		% wt	09/08/2021 12:00	
Lab ID	Client ID					Sampled
BCI0061-04	G18-5Dup					09/06/2021 07:55
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	8.07		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	91.9		% wt	09/08/2021 12:00	
Lab ID	Client ID					Sampled
BCI0061-07	W21-1					09/06/2021 08:20
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	7.12		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	92.9		% wt	09/08/2021 12:00	



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Reported: 09/17/2021 10:46

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0061-08	W21-3				09/06/2021 08:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.84		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	91.2		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0061-09	W21-5				09/06/2021 08:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.03		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	93.0		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0061-12	W19-1				09/06/2021 09:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.59		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	93.4		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0061-13	W19-3				09/06/2021 09:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.60		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	93.4		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0061-14	W19-5				09/06/2021 09:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.58		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	93.4		% wt	09/09/2021 12:00



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Reported: 09/17/2021 10:46

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0061-18	W15-1				09/06/2021 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.86		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	93.1		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0061-19	W15-3				09/06/2021 09:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.24		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	91.8		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0061-20	W15-5				09/06/2021 09:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.61		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	92.4		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0061-23	W11-1				09/06/2021 10:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.16		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	93.8		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0061-24	W11-3				09/06/2021 10:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.47		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	93.5		% wt	09/09/2021 12:00



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Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCI0061-25	W11-5					09/06/2021 10:10
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	8.17		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	91.8		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-29	E13-1					09/06/2021 10:55
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	2590	DIL	ug/kg dry	09/13/2021 20:51	
EPA 8082	Aroclor-1254 (PCB-1254)	1220	DIL	ug/kg dry	09/13/2021 20:51	
ASTM D2216	Moisture Content	3.51		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	96.5		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-30	E13-3					09/06/2021 11:15
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	6.48		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	93.5		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-31	E13-5					09/06/2021 11:20
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	7.68		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	92.3		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-34	A13-1					09/06/2021 11:35
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	2390	DIL	ug/kg dry	09/13/2021 21:48	
EPA 8082	Aroclor-1254 (PCB-1254)	1350	DIL	ug/kg dry	09/13/2021 21:48	
ASTM D2216	Moisture Content	4.36		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	95.6		% wt	09/09/2021 12:00	



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Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCI0061-35	A13-3					09/06/2021 11:40
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	527		ug/kg dry	09/13/2021 22:08	
EPA 8082	Aroclor-1254 (PCB-1254)	122		ug/kg dry	09/13/2021 22:08	
ASTM D2216	Moisture Content	3.79		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	96.2		% wt	09/09/2021 12:00	
Lab ID	Client ID					Sampled
BCI0061-36	A13-5					09/06/2021 11:45
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	4.31		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	95.7		% wt	09/09/2021 12:00	
Lab ID	Client ID					Sampled
BCI0061-39	A9-1					09/06/2021 12:45
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	1710	DIL	ug/kg dry	09/13/2021 22:46	
EPA 8082	Aroclor-1254 (PCB-1254)	781	DIL	ug/kg dry	09/13/2021 22:46	
ASTM D2216	Moisture Content	4.55		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	95.5		% wt	09/09/2021 12:00	
Lab ID	Client ID					Sampled
BCI0061-40	A9-1Dup					09/06/2021 12:45
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	1200	DIL	ug/kg dry	09/13/2021 23:05	
EPA 8082	Aroclor-1254 (PCB-1254)	655	DIL	ug/kg dry	09/13/2021 23:05	
ASTM D2216	Moisture Content	5.19		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	94.8		% wt	09/09/2021 12:00	
Lab ID	Client ID					Sampled
BCI0061-41	A9-3					09/06/2021 12:50
Method	Analyte	Result	Qualifier	Unit	Analyzed	



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Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCI0061-41	A9-3					09/06/2021 12:50
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	642		ug/kg dry	09/13/2021 23:24	
EPA 8082	Aroclor-1254 (PCB-1254)	120		ug/kg dry	09/13/2021 23:24	
ASTM D2216	Moisture Content	8.74		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	91.3		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-42	A9-5					09/06/2021 12:55
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	10.5		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	89.5		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-45	E9-1					09/06/2021 13:15
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	12300	DIL	ug/kg dry	09/14/2021 00:22	
EPA 8082	Aroclor-1254 (PCB-1254)	6260	DIL	ug/kg dry	09/14/2021 00:22	
ASTM D2216	Moisture Content	4.68		% wt	09/13/2021 12:00	
ASTM D2216	Percent Solids	95.3		% wt	09/13/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-46	E9-3					09/06/2021 13:20
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	247		ug/kg dry	09/14/2021 00:41	
EPA 8082	Aroclor-1254 (PCB-1254)	39.1	J	ug/kg dry	09/14/2021 00:41	
ASTM D2216	Moisture Content	6.12		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	93.9		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-47	E9-3Dup					09/06/2021 13:20
Method	Analyte	Result	Qualifier	Unit	Analyzed	



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCI0061-47	E9-3Dup					09/06/2021 13:20
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	5.11		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	94.9		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0061-48	E9-5					09/06/2021 13:25
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	11.9		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	88.1		% wt	09/09/2021 12:00	



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: G18-1

Lab ID: BCI0061-01 (Soil)

Sampled: 09/06/21 7:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 00:32	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

87.2%
74.3%

Acceptance Criteria

30-150
30-150

09/09/21 16:29 09/10/21 00:32 B1I0157 AS 3540C
09/09/21 16:29 09/10/21 00:32 B1I0157 AS 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.62		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	95.4		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: G18-3

Lab ID: BCI0061-02 (Soil)

Sampled: 09/06/21 7:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	94.3%				30-150		09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	77.5%				30-150		09/09/21 16:29	09/10/21 01:10	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.79		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	90.2		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: G18-5

Lab ID: BCI0061-03 (Soil)

Sampled: 09/06/21 7:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	90.1%						09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	77.8%						09/09/21 16:29	09/10/21 01:29	B1I0157	AS	3540C

Acceptance Criteria

							30-150				
							30-150				

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.56		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	93.4		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: G18-5Dup

Lab ID: BCI0061-04 (Soil)

Sampled: 09/06/21 7:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	97.8%				30-150		09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	69.0%				30-150		09/09/21 16:29	09/10/21 01:48	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.07		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	91.9		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W21-1

Lab ID: BCI0061-07 (Soil)

Sampled: 09/06/21 8:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	83.6%				30-150		09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	38.3%				30-150		09/09/21 16:29	09/10/21 02:08	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.12		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216
Percent Solids	92.9		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0186	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W21-3

Lab ID: BCI0061-08 (Soil)

Sampled: 09/06/21 8:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	90.0%				30-150		09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	75.2%				30-150		09/09/21 16:29	09/10/21 02:27	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.84		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	91.2		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W21-5

Lab ID: BCI0061-09 (Soil)

Sampled: 09/06/21 8:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	132%				30-150		09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	92.5%				30-150		09/09/21 16:29	09/10/21 02:46	B1I0157	AS	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.03		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	93.0		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Revised and Reissued
Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W19-1

Lab ID: BCI0061-12 (Soil)

Sampled: 09/06/21 9:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C

Recovery

Surrogate: Decachlorobiphenyl	72.8%						09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	63.6%						09/09/21 16:29	09/10/21 03:05	B1I0157	AS	3540C

Acceptance Criteria

							30-150				
							30-150				

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.59		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	93.4		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W19-3

Lab ID: BCI0061-13 (Soil)

Sampled: 09/06/21 9:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
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	Recovery	Acceptance Criteria								
Surrogate: Decachlorobiphenyl	97.9%	30-150				09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C
Surrogate: Tetrachloro-m-xylene	61.8%	30-150				09/09/21 16:29	09/10/21 03:24	B1I0157	AS	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.60		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	93.4		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W19-5

Lab ID: BCI0061-14 (Soil)

Sampled: 09/06/21 9:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	210% S6
Surrogate: Tetrachloro-m-xylene	98.8%

Acceptance Criteria

	30-150	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C
	30-150	09/13/21 11:00	09/13/21 18:18	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.58	1	0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	93.4	1	0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W15-1

Lab ID: BCI0061-18 (Soil)

Sampled: 09/06/21 9:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	95.2%					30-150	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	66.5%					30-150	09/13/21 11:00	09/13/21 18:37	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.86		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	93.1		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W15-3

Lab ID: BCI0061-19 (Soil)

Sampled: 09/06/21 9:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	85.4%				30-150		09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	72.9%				30-150		09/13/21 11:00	09/13/21 18:56	B1I0194	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.24		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	91.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W15-5

Lab ID: BCI0061-20 (Soil)

Sampled: 09/06/21 9:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	107%				30-150		09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	68.4%				30-150		09/13/21 11:00	09/13/21 19:15	B1I0194	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.61		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	92.4		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W11-1

Lab ID: BCI0061-23 (Soil)

Sampled: 09/06/21 10:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 19:53	B1I0194	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

108%
66.4%

Acceptance Criteria

30-150
30-150

09/13/21 11:00 09/13/21 19:53 B1I0194 BC 3540C
09/13/21 11:00 09/13/21 19:53 B1I0194 BC 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.16		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	93.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W11-3

Lab ID: BCI0061-24 (Soil)

Sampled: 09/06/21 10:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:13	B1I0194	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

83.8%
82.2%

Acceptance Criteria

30-150
30-150

09/13/21 11:00 09/13/21 20:13 B1I0194 BC 3540C
09/13/21 11:00 09/13/21 20:13 B1I0194 BC 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.47		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	93.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: W11-5

Lab ID: BCI0061-25 (Soil)

Sampled: 09/06/21 10:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C	
<hr/>													
	Recovery	Acceptance Criteria											
Surrogate: Decachlorobiphenyl	105%					30-150	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	78.4%					30-150	09/13/21	11:00	09/13/21	20:32	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.17		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	91.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: E13-1

Lab ID: BCI0061-29 (Soil)

Sampled: 09/06/21 10:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	2590	DIL	5	100	250	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	1220	DIL	5	100	250	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	76.1%						09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	86.9%						09/13/21 11:00	09/13/21 20:51	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.51		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	96.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: E13-3

Lab ID: BCI0061-30 (Soil)

Sampled: 09/06/21 11:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C	
<hr/>													
	Recovery	Acceptance Criteria											
Surrogate: Decachlorobiphenyl	107%	30-150					09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	66.8%	30-150					09/13/21	11:00	09/13/21	21:10	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.48		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	93.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: E13-5

Lab ID: BCI0061-31 (Soil)

Sampled: 09/06/21 11:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
<hr/>										
	Recovery	Acceptance Criteria								
Surrogate: Decachlorobiphenyl	86.2%					09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	69.0%					09/13/21 11:00	09/13/21 21:29	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.68		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216
Percent Solids	92.3		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0188	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: A13-1

Lab ID: BCI0061-34 (Soil)

Sampled: 09/06/21 11:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	2390	DIL	5	100	250	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	1350	DIL	5	100	250	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 21:48	B1I0194	BC	3540C
<hr/>											
	Recovery		Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	<i>118%</i>						09/13/21 11:00	<i>09/13/21 21:48</i>	B1I0194	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.7%</i>						09/13/21 11:00	<i>09/13/21 21:48</i>	B1I0194	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.36		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	95.6		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: A13-3

Lab ID: BCI0061-35 (Soil)

Sampled: 09/06/21 11:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	527	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	122	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:08	B1I0194	BC	3540C
<hr/>										
	Recovery	Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	<i>121%</i>					09/13/21 11:00	<i>09/13/21 22:08</i>	B1I0194	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>73.7%</i>					09/13/21 11:00	<i>09/13/21 22:08</i>	B1I0194	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.79		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	96.2		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: A13-5

Lab ID: BCI0061-36 (Soil)

Sampled: 09/06/21 11:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
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	Recovery	Acceptance Criteria								
Surrogate: Decachlorobiphenyl	128%	30-150				09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	66.6%	30-150				09/13/21 11:00	09/13/21 22:27	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.31		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	95.7		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: A9-1

Lab ID: BCI0061-39 (Soil)

Sampled: 09/06/21 12:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	1710	DIL	5	100	250	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	781	DIL	5	100	250	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/13/21 22:46	B1I0194	BC	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	<i>117%</i>						09/13/21 11:00	<i>09/13/21 22:46</i>	B1I0194	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>67.9%</i>						09/13/21 11:00	<i>09/13/21 22:46</i>	B1I0194	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.55		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	95.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: A9-1Dup

Lab ID: BCI0061-40 (Soil)

Sampled: 09/06/21 12:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
Aroclor-1248 (PCB-1248)	1200	DIL	2	40.0	100	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
Aroclor-1254 (PCB-1254)	655	DIL	2	40.0	100	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:05	B1I0194	BC	3540C	
<hr/>														
	Recovery			Acceptance Criteria										
<i>Surrogate: Decachlorobiphenyl</i>	93.7%			<i>30-150</i>				09/13/21	11:00	<i>09/13/21</i>	<i>23:05</i>	B1I0194	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	76.2%			<i>30-150</i>				09/13/21	11:00	<i>09/13/21</i>	<i>23:05</i>	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	5.19		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	94.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: A9-3

Lab ID: BCI0061-41 (Soil)

Sampled: 09/06/21 12:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	642	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	120	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/13/21	23:24	B1I0194	BC	3540C
<hr/>												
	Recovery	Acceptance Criteria										
<i>Surrogate: Decachlorobiphenyl</i>	<i>115%</i>					09/13/21	11:00	<i>09/13/21</i>	<i>23:24</i>	B1I0194	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.0%</i>					09/13/21	11:00	<i>09/13/21</i>	<i>23:24</i>	B1I0194	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.74		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	91.3		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: A9-5

Lab ID: BCI0061-42 (Soil)

Sampled: 09/06/21 12:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	91.2%				30-150		09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	68.4%				30-150		09/13/21 11:00	09/14/21 00:03	B1I0194	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	89.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: E9-1

Lab ID: BCI0061-45 (Soil)

Sampled: 09/06/21 13:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	12300	DIL	20	400	1000	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	6260	DIL	20	400	1000	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:22	B1I0194	BC	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	125%			<i>30-150</i> 09/13/21 11:00 09/14/21 00:22 B1I0194 BC 3540C							
<i>Surrogate: Tetrachloro-m-xylene</i>	75.8%			<i>30-150</i> 09/13/21 11:00 09/14/21 00:22 B1I0194 BC 3540C							

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.68		1		0.100	% wt	09/13/21 12:00	09/13/21 12:00	B1I0217	cs	ASTM-D2216
Percent Solids	95.3		1		0.100	% wt	09/13/21 12:00	09/13/21 12:00	B1I0217	cs	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: E9-3

Lab ID: BCI0061-46 (Soil)

Sampled: 09/06/21 13:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	247		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	39.1	J	1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/13/21 11:00	09/14/21 00:41	B1I0194	BC	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	<i>109%</i>						09/13/21 11:00	<i>09/14/21 00:41</i>	B1I0194	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>74.3%</i>						09/13/21 11:00	<i>09/14/21 00:41</i>	B1I0194	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.12		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	93.9		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: E9-3Dup

Lab ID: BCI0061-47 (Soil)

Sampled: 09/06/21 13:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
<hr/>												
	Recovery	Acceptance Criteria										
Surrogate: Decachlorobiphenyl	73.3%	30-150				09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C
Surrogate: Tetrachloro-m-xylene	66.9%	30-150				09/13/21	11:00	09/14/21	01:00	B1I0194	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	5.11		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	94.9		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: E9-5

Lab ID: BCI0061-48 (Soil)

Sampled: 09/06/21 13:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	144%
Surrogate: Tetrachloro-m-xylene	122%

Acceptance Criteria

30-150	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C
30-150	09/14/21 10:32	09/15/21 01:37	B1I0216	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.9	1	0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	88.1	1	0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Analytical Results

Client ID: EB-20200906

Lab ID: BCI0061-51 (Aqueous)

Sampled: 09/06/21 14:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C

Recovery

Surrogate: Decachlorobiphenyl	85.8%						09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C
Surrogate: Tetrachloro-m-xylene	67.1%						09/09/21 13:42	09/09/21 18:08	B1I0150	AS	3510C

Acceptance Criteria

							30-150				
							30-150				



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0150 - 3510C					Prepared: 09/09/2021 13:42						
Method Blank (B1I0150-BLK1)					Analyzed: 09/09/2021 17:30						
Aroclor-1016 (PCB-1016)	ND	1.00	5.00	ug/L							
Aroclor-1221 (PCB-1221)	ND	2.00	10.0	ug/L							
Aroclor-1232 (PCB-1232)	ND	1.00	5.00	ug/L							
Aroclor-1242 (PCB-1242)	ND	1.00	5.00	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.250	2.50	ug/L							
Aroclor-1254 (PCB-1254)	ND	1.00	5.00	ug/L							
Aroclor-1260 (PCB-1260)	ND	1.00	5.00	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.382			ug/L	0.500		76.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.422			ug/L	0.500		84.5	30-150			



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3475 East Foothill Boulevard
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AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0150 - 3510C (Continued)					Prepared: 09/09/2021 13:42						
LCS (B1I0150-BS1)					Analyzed: 09/09/2021 16:51						
Aroclor-1016 (PCB-1016)	4.60	1.00	5.00	ug/L	5.00		91.9	40-150			
Aroclor-1260 (PCB-1260)	4.66	1.00	5.00	ug/L	5.00		93.2	40-150			
Surrogate: Decachlorobiphenyl	0.498			ug/L	0.500		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.332			ug/L	0.500		66.4	30-150			
LCSD (B1I0150-BSD1)					Analyzed: 09/09/2021 17:10						
Aroclor-1016 (PCB-1016)	4.74	1.00	5.00	ug/L	5.00		94.8	40-150	3.05	20	
Aroclor-1260 (PCB-1260)	4.53	1.00	5.00	ug/L	5.00		90.7	40-150	2.68	20	
Surrogate: Decachlorobiphenyl	0.473			ug/L	0.500		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.350			ug/L	0.500		70.1	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0157 - 3540C					Prepared: 09/09/2021 16:29						
Method Blank (B1I0157-BLK1)					Analyzed: 09/09/2021 20:23						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	58.6			ug/kg wet	50.0		117	30-150			
Surrogate: Tetrachloro-m-xylene	42.7			ug/kg wet	50.0		85.4	30-150			



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Rev. 01

Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCI0061 Project Number: 102-ENV.T372.54.11 Attention: Eric Nelson Project Name: Bethune Middle School	Site: Bethune Middle School 155 W. 69th St. Los Angeles, CA 90003 Reported: 09/17/2021 10:46
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Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0157 - 3540C (Continued)

Prepared: 09/09/2021 16:29

LCS (B1I0157-BS1)

Analyzed: 09/09/2021 19:06

Aroclor-1016 (PCB-1016)	571	20.0	50.0	ug/kg wet	500		114	50-150			
Aroclor-1260 (PCB-1260)	526	20.0	50.0	ug/kg wet	500		105	50-150			
Surrogate: Decachlorobiphenyl	68.3			ug/kg wet	50.0		137	30-150			
Surrogate: Tetrachloro-m-xylene	37.1			ug/kg wet	50.0		74.1	30-150			

LCSD (B1I0157-BS1)

Analyzed: 09/09/2021 19:25

Aroclor-1016 (PCB-1016)	521	20.0	50.0	ug/kg wet	500		104	50-150	9.15	40	
Aroclor-1260 (PCB-1260)	566	20.0	50.0	ug/kg wet	500		113	50-150	7.18	40	
Surrogate: Decachlorobiphenyl	68.7			ug/kg wet	50.0		137	30-150			
Surrogate: Tetrachloro-m-xylene	29.4			ug/kg wet	50.0		58.8	30-150			

Batch: B1I0194 - 3540C

Prepared: 09/13/2021 11:00

Method Blank (B1I0194-BLK1)

Analyzed: 09/13/2021 17:58

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	67.5			ug/kg wet	50.0		135	30-150			
Surrogate: Tetrachloro-m-xylene	40.0			ug/kg wet	50.0		80.0	30-150			



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCI0061 Project Number: 102-ENV.T372.54.11 Attention: Eric Nelson Project Name: Bethune Middle School	Site: Bethune Middle School 155 W. 69th St. Los Angeles, CA 90003 Reported: 09/17/2021 10:46
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Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0194 - 3540C (Continued)

Prepared: 09/13/2021 11:00

LCS (B1I0194-BS1)

Analyzed: 09/13/2021 16:42

Aroclor-1016 (PCB-1016)	473	20.0	50.0	ug/kg wet	500		94.6	50-150			
Aroclor-1260 (PCB-1260)	580	20.0	50.0	ug/kg wet	500		116	50-150			
Surrogate: Decachlorobiphenyl	58.5			ug/kg wet	50.0		117	30-150			
Surrogate: Tetrachloro-m-xylene	30.3			ug/kg wet	50.0		60.7	30-150			

LCSD (B1I0194-BS1)

Analyzed: 09/13/2021 17:01

Aroclor-1016 (PCB-1016)	443	20.0	50.0	ug/kg wet	500		88.6	50-150	6.57	40	
Aroclor-1260 (PCB-1260)	558	20.0	50.0	ug/kg wet	500		112	50-150	3.87	40	
Surrogate: Decachlorobiphenyl	46.1			ug/kg wet	50.0		92.3	30-150			
Surrogate: Tetrachloro-m-xylene	40.7			ug/kg wet	50.0		81.4	30-150			

Matrix Spike (B1I0194-MS1)

Source: BCI0061-42

Analyzed: 09/13/2021 17:20

Aroclor-1016 (PCB-1016)	337	20.0	50.0	ug/kg dry	279	ND	120	50-150			
Aroclor-1260 (PCB-1260)	318	20.0	50.0	ug/kg dry	279	ND	114	50-150			
Surrogate: Decachlorobiphenyl	22.9			ug/kg dry	27.9		81.9	30-150			
Surrogate: Tetrachloro-m-xylene	20.7			ug/kg dry	27.9		74.0	30-150			

Matrix Spike Dup (B1I0194-MSD1)

Source: BCI0061-42

Analyzed: 09/13/2021 17:39

Aroclor-1016 (PCB-1016)	323	20.0	50.0	ug/kg dry	279	ND	116	50-150	3.99	40	
Aroclor-1260 (PCB-1260)	297	20.0	50.0	ug/kg dry	279	ND	106	50-150	6.95	40	
Surrogate: Decachlorobiphenyl	1.45			ug/kg dry	27.9		5.19	30-150			
Surrogate: Tetrachloro-m-xylene	16.3			ug/kg dry	27.9		58.2	30-150			

Batch: B1I0216 - 3540C

Prepared: 09/14/2021 10:32

Method Blank (B1I0216-BLK1)

Analyzed: 09/15/2021 01:18

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	45.9			ug/kg wet	50.0		91.8	30-150			
Surrogate: Tetrachloro-m-xylene	56.6			ug/kg wet	50.0		113	30-150			



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0216 - 3540C (Continued)					Prepared: 09/14/2021 10:32						
LCS (B1I0216-BS1)					Analyzed: 09/15/2021 00:39						
Aroclor-1016 (PCB-1016)	401	20.0	50.0	ug/kg wet	500		80.2	50-150			
Aroclor-1260 (PCB-1260)	369	20.0	50.0	ug/kg wet	500		73.9	50-150			
Surrogate: Decachlorobiphenyl	46.9			ug/kg wet	50.0		93.7	30-150			
Surrogate: Tetrachloro-m-xylene	38.9			ug/kg wet	50.0		77.8	30-150			
LCSD (B1I0216-BSD1)					Analyzed: 09/15/2021 00:59						
Aroclor-1016 (PCB-1016)	384	20.0	50.0	ug/kg wet	500		76.8	50-150	4.32	40	
Aroclor-1260 (PCB-1260)	475	20.0	50.0	ug/kg wet	500		95.0	50-150	25.1	40	
Surrogate: Decachlorobiphenyl	53.5			ug/kg wet	50.0		107	30-150			
Surrogate: Tetrachloro-m-xylene	40.7			ug/kg wet	50.0		81.5	30-150			



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AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0186 - ASTM-D2216					Prepared: 09/08/2021 12:00						
Method Blank (B1I0186-BLK1)					Analyzed: 09/08/2021 12:00						
Moisture Content	100		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0186 - ASTM-D2216 (Continued)

Duplicate (B1I0186-DUP1)

Source: BCI0060-36

Prepared: 09/08/2021 12:00

Analyzed: 09/08/2021 12:00

Moisture Content	10.3		0.100	% wt		10.2			<1.00	15	
Percent Solids	89.7		0.100	% wt		89.8			<1.00	200	

Batch: B1I0188 - ASTM-D2216

Method Blank (B1I0188-BLK1)

Prepared: 09/09/2021 12:00

Analyzed: 09/09/2021 12:00

Moisture Content	100		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0188 - ASTM-D2216 (Continued)

Duplicate (B1I0188-DUP1)

Source: BCI0061-08

Prepared: 09/09/2021 12:00

Analyzed: 09/09/2021 12:00

Moisture Content	8.84		0.100	% wt		8.84			<1.00	15	
Percent Solids	91.2		0.100	% wt		91.2			<1.00	200	

Batch: B1I0189 - ASTM-D2216

Method Blank (B1I0189-BLK1)

Prepared: 09/09/2021 12:00

Analyzed: 09/09/2021 12:00

Moisture Content	100		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0189 - ASTM-D2216 (Continued)

Duplicate (B1I0189-DUP1)

Source: BCI0061-34

Prepared: 09/09/2021 12:00

Analyzed: 09/09/2021 12:00

Moisture Content	4.26		0.100	% wt		4.36			2.30	15	
Percent Solids	95.7		0.100	% wt		95.6			<1.00	200	

Batch: B1I0217 - ASTM-D2216

Method Blank (B1I0217-BLK1)

Prepared: 09/13/2021 12:00

Analyzed: 09/13/2021 12:00

Moisture Content	100		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0061
Project Number: 102-ENV.T372.54.11
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: Bethune Middle School
155 W. 69th St.
Los Angeles, CA 90003
Reported: 09/17/2021 10:46

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B110217 - ASTM-D2216 (Continued)					Prepared: 09/13/2021 12:00						
Duplicate (B110217-DUP1)					Analyzed: 09/13/2021 12:00						
Moisture Content	4.69		0.100	% wt		4.68			<1.00	15	
Percent Solids	95.3		0.100	% wt		95.3			<1.00	200	



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCI0061 Project Number: 102-ENV.T372.54.11 Attention: Eric Nelson Project Name: Bethune Middle School	Site: Bethune Middle School 155 W. 69th St. Los Angeles, CA 90003 Reported: 09/17/2021 10:46
------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

Qualifiers and Definitions

Item	Qualifiers
DIL	Result for the compound reported from diluted analysis.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
S6	Surrogate recovery is outside control limits due to matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.



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Tetra Tech, Inc.	AETL Job Number: BCI0061	Site: Bethune Middle School
3475 East Foothill Boulevard	Project Number: 102-ENV.T372.54.11	155 W. 69th St.
Pasadena, CA 91107	Attention: Eric Nelson	Los Angeles, CA 90003
	Project Name: Bethune Middle School	Reported: 09/17/2021 10:46

MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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September 17, 2021

AETL Job No: BCI0062 Rev. 01
Received Date: 09/07/2021
Project Number: 107-ENV-737234.11

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (626) 470-2391

Attention: Eric Nelson

Project Name: LAUSD Bethune MS
Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hossein Shahrokhnia
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: 107-ENV-737234.11
Work Order Number: BCI0062

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD 110133

COMPANY: <u>Tetra Tech</u>		PROJECT MANAGER: <u>Eric Olson</u>		AETL JOB No. <u>BC10062</u>		Page <u>1</u> of <u>4</u>	
COMPANY ADDRESS <u>3475 East Foothill Blvd Pasadena CA</u>		PHONE <u>626-4702341</u>		FAX		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME <u>Bedburn MS</u>		PROJECT # <u>107-ENV-73224.11</u>		ANALYSIS REQUESTED			
SITE NAME AND ADDRESS <u>155 W 6941 St Los Angeles CA</u>		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
ER0904201	BC10062-01	9/5/2021	0730	W	1		
V103-1.0	02		0745	S			
V103-3.0	03		0840	S			
V103-5.0	04		0845				
V105-1.0	05		0810				
V105-3.0	06		0814				
V105-5.0	07		0818				
V103-7.5	08		0850				
V103-10.0	09		0855				
V105-7.5	10		0905				
V105-10.0	11		0910				
V105-7.5 Dup	12						
G105-1.0	13		0918				
G105-3.0	14		0922				
G105-5.0	15		0925				
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY:			
TOTAL NUMBER OF CONTAINERS <u>15</u>				1. RELINQUISHED BY: <u>[Signature]</u>			
CUSTODY SEALS <u>Y/N/NA</u>				2. RELINQUISHED BY: <u>[Signature]</u>			
RECEIVED IN GOOD COND. <u>Y/N</u>				3. RELINQUISHED BY: <u>[Signature]</u>			
TURN AROUND TIME				RECEIVED BY: <u>[Signature]</u>			
NORMAL <input checked="" type="checkbox"/> RUSH <input type="checkbox"/>				RECEIVED BY: <u>[Signature]</u>			
SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/>				RECEIVED BY: <u>[Signature]</u>			
HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY) <input type="checkbox"/>				RECEIVED BY: <u>[Signature]</u>			
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator				RECEIVED BY: <u>[Signature]</u>			



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CHAIN OF CUSTODY RECORD 110139

COMPANY: Tetra Tech		PROJECT MANAGER: E. Anderson		AETL JOB No. BC10062		Page 2 of 4			
COMPANY ADDRESS: 3475 East Foothill Blvd, Burbank		PHONE: 626-470-2391		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS			
PROJECT NAME: Bethane MS		PROJECT #		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
SITE NAME AND ADDRESS: 155 W 69th St, Los Angeles, CA		PO #		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.			
G105-7.5	BC10062-16	4/5/2021	0930	S	1				
G105-10.0	-17		0935						
G103-1.0	-18		0938						
G103-3.0	-19		0945						
G103-5.0	-20		0950						
G100-1.0	-21		0953						
G100-3.0	-22		0957						
G100-5.0	-23		1010						
G103-7.5	-24		1015						
G103-10.0	-25		1020						
G103-10.0	-26								
G100-7.5	-27		1030						
G100-10.0	-28		1035						
G7-1.0	-29		1044						
G7-3.0	-30		1050						
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY							RELINQUISHED BY: 1.		
TOTAL NUMBER OF CONTAINERS: 15							RELINQUISHED BY: 2.		
CUSTODY SEALS: Y/N							RELINQUISHED BY: 3.		
RECEIVED IN GOOD COND. Y/N									
TURN AROUND TIME							RECEIVED BY: 1.		
DATA DELIVERABLE REQUIRED							RECEIVED BY: 2.		
NORMAL <input type="checkbox"/> RUSH <input type="checkbox"/>							RECEIVED BY: 3.		
SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/>									
2 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/>									
HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/>									
GEOTRACKER (GLOBAL ID) <input type="checkbox"/>									
OTHER (PLEASE SPECIFY) <input type="checkbox"/>									
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator									



CHAIN OF CUSTODY RECORD
4036

Page 3 of 4

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AETL JOB No. BC10062

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COOLER RECEIPT FORM

Client Name: <u>Tetra Tech</u>				
Project Name:				
AETL Job Number: <u>BC10062</u>				
Date Received: <u>9/7/21</u>		Received by: <u>Sang's Pirch</u>		
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GLS <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>4°C</u> , No 2: , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice <input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄ <input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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Site: Bethune Middle School
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Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Samples Received

AETL received the following samples on 09/07/2021 with the following specifications

Client ID EB-09042021		Sample Date 09/5/2021 7:30
Lab ID BCI0062-01	Matrix Aqueous	Quantity of Containers 1
Analysis EPA 8082	Units ug/L	TAT 5
Client ID Y103-1.0		Sample Date 09/5/2021 7:45
Lab ID BCI0062-02	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID Y103-3.0		Sample Date 09/5/2021 8:40
Lab ID BCI0062-03	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID Y103-5.0		Sample Date 09/5/2021 8:45
Lab ID BCI0062-04	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216	Units % wt	TAT 5



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Reported: 09/17/2021 10:48

Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

EPA 8082	ug/kg	5
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Client ID Y105-1.0		Sample Date 09/5/2021 8:10
Lab ID BCI0062-05	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y105-3.0		Sample Date 09/5/2021 8:14
Lab ID BCI0062-06	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y105-5.0		Sample Date 09/5/2021 8:18
Lab ID BCI0062-07	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID	Sample Date
G105-1.0	09/5/2021 9:18
Lab ID	Matrix
BCI0062-13	Soil
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
Quantity of Containers	TAT
1	5
5	5
Client ID	Sample Date
G105-3.0	09/5/2021 9:22
Lab ID	Matrix
BCI0062-14	Soil
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
Quantity of Containers	TAT
1	5
5	5
Client ID	Sample Date
G105-5.0	09/5/2021 9:25
Lab ID	Matrix
BCI0062-15	Soil
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
Quantity of Containers	TAT
1	5
5	5
Client ID	Sample Date
G103-1.0	09/5/2021 9:38
Lab ID	Matrix
BCI0062-18	Soil
Analysis	Units
Quantity of Containers	TAT
1	



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Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID G103-3.0		Sample Date 09/5/2021 9:45
Lab ID BCI0062-19	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID G103-5.0		Sample Date 09/5/2021 9:50
Lab ID BCI0062-20	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID G100-1.0		Sample Date 09/5/2021 9:53
Lab ID BCI0062-21	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID G100-3.0		Sample Date 09/5/2021 9:57
Lab ID BCI0062-22	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID G100-5.0		Sample Date 09/5/2021 10:10
Lab ID BCI0062-23	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID G7-1.0		Sample Date 09/5/2021 10:44
Lab ID BCI0062-29	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID G7-3.0		Sample Date 09/5/2021 10:50
Lab ID BCI0062-30	Matrix Soil	Quantity of Containers 1
Analysis	Units	TAT



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Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID G7-5.0		Sample Date 09/5/2021 10:55
Lab ID BCI0062-31	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID G11-1.0		Sample Date 09/5/2021 11:00
Lab ID BCI0062-32	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID G11-3.0		Sample Date 09/5/2021 11:05
Lab ID BCI0062-33	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID G11-5.0		Sample Date 09/5/2021 11:10
Lab ID BCI0062-34	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID G15-1.0		Sample Date 09/5/2021 11:15
Lab ID BCI0062-35	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID G15-3.0		Sample Date 09/5/2021 11:22
Lab ID BCI0062-36	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID G15-5.0		Sample Date 09/5/2021 11:25
Lab ID BCI0062-37	Matrix Soil	Quantity of Containers 1
Analysis	Units	TAT



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Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID G15-3.0Dup		Sample Date 09/5/2021 0:00
Lab ID BCI0062-38	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID G21-1.0		Sample Date 09/5/2021 12:30
Lab ID BCI0062-45	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID G21-5.0		Sample Date 09/5/2021 12:30
Lab ID BCI0062-46	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 09/07/2021 with the following specifications

Client ID
EB-09052021
Lab ID
BCI0062-49

Sample Date
09/5/2021 14:30
Quantity of Containers
1

Matrix
Aqueous

Analysis
EPA 8082

Units
ug/L

TAT
5

Client ID
G7-1.0Dup
Lab ID
BCI0062-50

Sample Date
09/5/2021 0:00
Quantity of Containers
1

Matrix
Soil

Analysis
ASTM D2216
EPA 8082

Units
% wt
ug/kg

TAT
5
5

Total Number of Samples received: 30



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Positive Hits Summary

Lab ID	Client ID					Sampled
BCI0062-02	Y103-1.0					09/05/2021 07:45
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	145		ug/kg dry	09/15/2021 01:56	
EPA 8082	Aroclor-1254 (PCB-1254)	46.6	J	ug/kg dry	09/15/2021 01:56	
ASTM D2216	Moisture Content	27.0		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	73.0		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0062-03	Y103-3.0					09/05/2021 08:40
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	6.15		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	93.8		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0062-04	Y103-5.0					09/05/2021 08:45
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	21.3		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	78.7		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0062-05	Y105-1.0					09/05/2021 08:10
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	29.8		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	70.2		% wt	09/09/2021 12:00	

Lab ID	Client ID					Sampled
BCI0062-06	Y105-3.0					09/05/2021 08:14
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	27.7		% wt	09/09/2021 12:00	
ASTM D2216	Percent Solids	72.3		% wt	09/09/2021 12:00	



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0062-07	Y105-5.0				09/05/2021 08:18
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.6		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	88.4		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0062-13	G105-1.0				09/05/2021 09:18
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	26.5		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	73.5		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0062-14	G105-3.0				09/05/2021 09:22
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	10.9		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	89.1		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0062-15	G105-5.0				09/05/2021 09:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	22.1		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	77.9		% wt	09/09/2021 12:00
Lab ID	Client ID				Sampled
BCI0062-18	G103-1.0				09/05/2021 09:38
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.3		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	88.7		% wt	09/09/2021 12:00



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0062-19	G103-3.0				09/05/2021 09:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	22.4		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	77.6		% wt	09/09/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-20	G103-5.0				09/05/2021 09:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.34		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	91.7		% wt	09/09/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-21	G100-1.0				09/05/2021 09:53
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	235		ug/kg dry	09/15/2021 06:05
EPA 8082	Aroclor-1254 (PCB-1254)	106		ug/kg dry	09/15/2021 06:05
ASTM D2216	Moisture Content	28.2		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	71.8		% wt	09/09/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-22	G100-3.0				09/05/2021 09:57
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	95.1		ug/kg dry	09/15/2021 06:24
EPA 8082	Aroclor-1254 (PCB-1254)	29.7	J	ug/kg dry	09/15/2021 06:24
ASTM D2216	Moisture Content	25.3		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	74.7		% wt	09/09/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-23	G100-5.0				09/05/2021 10:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	16.8		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	83.2		% wt	09/09/2021 12:00



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0062-29	G7-1.0				09/05/2021 10:44
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	3.75		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	96.2		% wt	09/09/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-30	G7-3.0				09/05/2021 10:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.5		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	88.5		% wt	09/09/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-31	G7-5.0				09/05/2021 10:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.8		% wt	09/09/2021 12:00
ASTM D2216	Percent Solids	84.2		% wt	09/09/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-32	G11-1.0				09/05/2021 11:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.0		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-33	G11-3.0				09/05/2021 11:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.93		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	93.1		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-34	G11-5.0				09/05/2021 11:10
Method	Analyte	Result	Qualifier	Unit	Analyzed



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Reported: 09/17/2021 10:48

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCI0062-34	G11-5.0				09/05/2021 11:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	27.0		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	73.0		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-35	G15-1.0				09/05/2021 11:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	82.8		ug/kg dry	09/15/2021 10:15
EPA 8082	Aroclor-1254 (PCB-1254)	22.6	J	ug/kg dry	09/15/2021 10:15
ASTM D2216	Moisture Content	9.43		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	90.6		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-36	G15-3.0				09/05/2021 11:22
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.01		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	94.0		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-37	G15-5.0				09/05/2021 11:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.67		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	93.3		% wt	09/08/2021 12:00

Lab ID	Client ID				Sampled
BCI0062-38	G15-3.0Dup				09/05/2021 00:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	5.59		% wt	09/08/2021 12:00
ASTM D2216	Percent Solids	94.4		% wt	09/08/2021 12:00



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCI0062-45	G21-1.0					09/05/2021 12:30
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	9.37		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	90.6		% wt	09/08/2021 12:00	
Lab ID	Client ID					Sampled
BCI0062-46	G21-5.0					09/05/2021 12:30
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	7.18		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	92.8		% wt	09/08/2021 12:00	
Lab ID	Client ID					Sampled
BCI0062-50	G7-1.0Dup					09/05/2021 00:00
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	1350		ug/kg dry	09/15/2021 12:09	
EPA 8082	Aroclor-1254 (PCB-1254)	608		ug/kg dry	09/15/2021 12:09	
ASTM D2216	Moisture Content	8.68		% wt	09/08/2021 12:00	
ASTM D2216	Percent Solids	91.3		% wt	09/08/2021 12:00	



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: EB-09042021

Lab ID: BCI0062-01 (Aqueous)

Sampled: 09/05/21 7:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:27	B1I0150	AS	3510C

Recovery

Surrogate: Decachlorobiphenyl 92.3%
Surrogate: Tetrachloro-m-xylene 79.1%

Acceptance Criteria

30-150 09/09/21 13:42 09/09/21 18:27 B1I0150 AS 3510C
30-150 09/09/21 13:42 09/09/21 18:27 B1I0150 AS 3510C



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: Y103-1.0

Lab ID: BCI0062-02 (Soil)

Sampled: 09/05/21 7:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	145		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	46.6	J	1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 01:56	B1I0216	BC	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	<i>112%</i>						09/14/21 10:32	<i>09/15/21 01:56</i>	B1I0216	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>128%</i>						09/14/21 10:32	<i>09/15/21 01:56</i>	B1I0216	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	27.0		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	73.0		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: Y103-3.0

Lab ID: BCI0062-03 (Soil)

Sampled: 09/05/21 8:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	97.5%				30-150		09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	94.4%				30-150		09/14/21 10:32	09/15/21 02:15	B1I0216	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.15		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	93.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: Y103-5.0

Lab ID: BCI0062-04 (Soil)

Sampled: 09/05/21 8:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	119%				30-150		09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	96.0%				30-150		09/14/21 10:32	09/15/21 02:34	B1I0216	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	21.3		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	78.7		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: Y105-1.0

Lab ID: BCI0062-05 (Soil)

Sampled: 09/05/21 8:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	113%				30-150		09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	72.0%				30-150		09/14/21 10:32	09/15/21 02:54	B1I0216	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	29.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216
Percent Solids	70.2		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0189	CS	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: Y105-3.0

Lab ID: BCI0062-06 (Soil)

Sampled: 09/05/21 8:14

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:13	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

108%
84.9%

Acceptance Criteria

30-150
30-150

09/14/21 10:32 09/15/21 03:13 B1I0216 BC 3540C
09/14/21 10:32 09/15/21 03:13 B1I0216 BC 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	27.7		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	72.3		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: Y105-5.0

Lab ID: BCI0062-07 (Soil)

Sampled: 09/05/21 8:18

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C	
<hr/>													
	Recovery	Acceptance Criteria											
Surrogate: Decachlorobiphenyl	102%						09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	76.3%						09/14/21	10:32	09/15/21	03:32	B1I0216	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.6		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	88.4		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G105-1.0

Lab ID: BCI0062-13 (Soil)

Sampled: 09/05/21 9:18

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	109%				30-150		09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	86.5%				30-150		09/14/21 10:32	09/15/21 03:51	B1I0216	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	26.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	73.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G105-3.0

Lab ID: BCI0062-14 (Soil)

Sampled: 09/05/21 9:22

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	97.0%						09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	74.1%						09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C

Acceptance Criteria

							09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C
							09/14/21 10:32	09/15/21 04:29	B1I0216	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.9		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	89.1		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G105-5.0

Lab ID: BCI0062-15 (Soil)

Sampled: 09/05/21 9:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 04:49	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

101%
79.0%

Acceptance Criteria

30-150
30-150

09/14/21 10:32 09/15/21 04:49 B1I0216 BC 3540C
09/14/21 10:32 09/15/21 04:49 B1I0216 BC 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	22.1		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	77.9		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G103-1.0

Lab ID: BCI0062-18 (Soil)

Sampled: 09/05/21 9:38

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	82.8%				30-150		09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	82.5%				30-150		09/14/21 10:32	09/15/21 05:08	B1I0216	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.3		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	88.7		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G103-3.0

Lab ID: BCI0062-19 (Soil)

Sampled: 09/05/21 9:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C	
<hr/>													
	Recovery	Acceptance Criteria											
Surrogate: Decachlorobiphenyl	65.3%						09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	74.4%						09/14/21	10:32	09/15/21	05:27	B1I0216	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	22.4		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	77.6		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G103-5.0

Lab ID: BCI0062-20 (Soil)

Sampled: 09/05/21 9:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 05:46	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

75.1%
70.9%

Acceptance Criteria

30-150
30-150

09/14/21 10:32 09/15/21 05:46 B1I0216 BC 3540C
09/14/21 10:32 09/15/21 05:46 B1I0216 BC 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.34		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	91.7		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G100-1.0

Lab ID: BCI0062-21 (Soil)

Sampled: 09/05/21 9:53

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
Aroclor-1248 (PCB-1248)	235	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
Aroclor-1254 (PCB-1254)	106	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C	
<hr/>													
	Recovery	Acceptance Criteria											
<i>Surrogate: Decachlorobiphenyl</i>	72.0%						09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	63.2%						09/14/21	10:32	09/15/21	06:05	B1I0216	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	28.2		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	71.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Revised and Reissued
Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G100-3.0

Lab ID: BCI0062-22 (Soil)

Sampled: 09/05/21 9:57

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	95.1		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	29.7	J	1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
<hr/>											
	Recovery		Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	76.2%		30-150				09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	87.2%		30-150				09/14/21 10:32	09/15/21 06:24	B1I0216	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	25.3		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	74.7		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G100-5.0

Lab ID: BCI0062-23 (Soil)

Sampled: 09/05/21 10:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	70.2%				30-150		09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	77.6%				30-150		09/14/21 10:32	09/15/21 06:44	B1I0216	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	83.2		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G7-1.0

Lab ID: BCI0062-29 (Soil)

Sampled: 09/05/21 10:44

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	58.1%				30-150		09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	76.0%				30-150		09/14/21 10:32	09/15/21 07:03	B1I0216	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.75		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	96.2		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G7-3.0

Lab ID: BCI0062-30 (Soil)

Sampled: 09/05/21 10:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	58.0%				30-150		09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	81.4%				30-150		09/14/21 10:32	09/15/21 07:22	B1I0216	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	88.5		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G7-5.0

Lab ID: BCI0062-31 (Soil)

Sampled: 09/05/21 10:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	82.2%				30-150		09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	90.1%				30-150		09/14/21 10:32	09/15/21 07:41	B1I0216	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.8		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216
Percent Solids	84.2		1		0.100	% wt	09/09/21 12:00	09/09/21 12:00	B1I0190	CS	ASTM-D2216



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G11-1.0

Lab ID: BCI0062-32 (Soil)

Sampled: 09/05/21 11:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	82.2%						09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C
Surrogate: Tetrachloro-m-xylene	107%						09/14/21 10:32	09/15/21 08:19	B1I0216	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G11-3.0

Lab ID: BCI0062-33 (Soil)

Sampled: 09/05/21 11:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	81.0%				30-150		09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C
Surrogate: Tetrachloro-m-xylene	78.6%				30-150		09/14/21 16:41	09/15/21 09:37	B1I0229	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.93		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	93.1		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G11-5.0

Lab ID: BCI0062-34 (Soil)

Sampled: 09/05/21 11:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	82.1%						09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C
Surrogate: Tetrachloro-m-xylene	73.1%						09/14/21 16:41	09/15/21 09:56	B1I0229	BC	3540C

Acceptance Criteria

							30-150				
							30-150				

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	27.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	73.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G15-1.0

Lab ID: BCI0062-35 (Soil)

Sampled: 09/05/21 11:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
Aroclor-1248 (PCB-1248)	82.8		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
Aroclor-1254 (PCB-1254)	22.6	J	1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:15	B1I0229	BC	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	<i>80.2%</i>						09/14/21 16:41	<i>09/15/21 10:15</i>	B1I0229	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>84.3%</i>						09/14/21 16:41	<i>09/15/21 10:15</i>	B1I0229	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.43		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	90.6		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G15-3.0

Lab ID: BCI0062-36 (Soil)

Sampled: 09/05/21 11:22

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	92.9%				30-150		09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C
Surrogate: Tetrachloro-m-xylene	79.8%				30-150		09/14/21 16:41	09/15/21 10:34	B1I0229	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.01		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	94.0		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G15-5.0

Lab ID: BCI0062-37 (Soil)

Sampled: 09/05/21 11:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	75.0%				30-150		09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C
Surrogate: Tetrachloro-m-xylene	78.2%				30-150		09/14/21 16:41	09/15/21 10:52	B1I0229	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.67		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	93.3		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G15-3.0Dup

Lab ID: BCI0062-38 (Soil)

Sampled: 09/05/21 0:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	101%						09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
Surrogate: Tetrachloro-m-xylene	87.8%						09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C

Acceptance Criteria

							09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C
							09/14/21 16:41	09/15/21 11:12	B1I0229	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	5.59		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	94.4		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G21-1.0

Lab ID: BCI0062-45 (Soil)

Sampled: 09/05/21 12:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	86.5%				30-150		09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C
Surrogate: Tetrachloro-m-xylene	88.9%				30-150		09/14/21 16:41	09/15/21 11:31	B1I0229	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.37		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	90.6		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G21-5.0

Lab ID: BCI0062-46 (Soil)

Sampled: 09/05/21 12:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	83.2%						09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
Surrogate: Tetrachloro-m-xylene	83.2%						09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C

Acceptance Criteria

							09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C
							09/14/21 16:41	09/15/21 11:50	B1I0229	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.18		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	92.8		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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Revised and Reissued
Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: EB-09052021

Lab ID: BCI0062-49 (Aqueous)

Sampled: 09/05/21 14:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	09/09/21 13:42	09/09/21 18:47	B1I0150	AS	3510C

Recovery

Surrogate: Decachlorobiphenyl 104%
Surrogate: Tetrachloro-m-xylene 70.5%

Acceptance Criteria

30-150 09/09/21 13:42 09/09/21 18:47 B1I0150 AS 3510C
30-150 09/09/21 13:42 09/09/21 18:47 B1I0150 AS 3510C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Analytical Results

Client ID: G7-1.0Dup

Lab ID: BCI0062-50 (Soil)

Sampled: 09/05/21 0:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
Aroclor-1248 (PCB-1248)	1350	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
Aroclor-1254 (PCB-1254)	608	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C	
<hr/>													
	Recovery	Acceptance Criteria											
<i>Surrogate: Decachlorobiphenyl</i>	85.1%						09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	55.7%						09/14/21	16:41	09/15/21	12:09	B1I0229	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.68		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216
Percent Solids	91.3		1		0.100	% wt	09/08/21 12:00	09/08/21 12:00	B1I0131	CS	ASTM-D2216



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3475 East Foothill Boulevard
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AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0150 - 3510C					Prepared: 09/09/2021 13:42						
Method Blank (B1I0150-BLK1)					Analyzed: 09/09/2021 17:30						
Aroclor-1016 (PCB-1016)	ND	1.00	5.00	ug/L							
Aroclor-1221 (PCB-1221)	ND	2.00	10.0	ug/L							
Aroclor-1232 (PCB-1232)	ND	1.00	5.00	ug/L							
Aroclor-1242 (PCB-1242)	ND	1.00	5.00	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.250	2.50	ug/L							
Aroclor-1254 (PCB-1254)	ND	1.00	5.00	ug/L							
Aroclor-1260 (PCB-1260)	ND	1.00	5.00	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.382			ug/L	0.500		76.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.422			ug/L	0.500		84.5	30-150			



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Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0150 - 3510C (Continued)					Prepared: 09/09/2021 13:42						
LCS (B1I0150-BS1)					Analyzed: 09/09/2021 16:51						
Aroclor-1016 (PCB-1016)	4.60	1.00	5.00	ug/L	5.00		91.9	40-150			
Aroclor-1260 (PCB-1260)	4.66	1.00	5.00	ug/L	5.00		93.2	40-150			
Surrogate: Decachlorobiphenyl	0.498			ug/L	0.500		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.332			ug/L	0.500		66.4	30-150			
LCSD (B1I0150-BSD1)					Analyzed: 09/09/2021 17:10						
Aroclor-1016 (PCB-1016)	4.74	1.00	5.00	ug/L	5.00		94.8	40-150	3.05	20	
Aroclor-1260 (PCB-1260)	4.53	1.00	5.00	ug/L	5.00		90.7	40-150	2.68	20	
Surrogate: Decachlorobiphenyl	0.473			ug/L	0.500		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.350			ug/L	0.500		70.1	30-150			



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Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B110216 - 3540C					Prepared: 09/14/2021 10:32						
Method Blank (B110216-BLK1)					Analyzed: 09/15/2021 01:18						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	45.9			ug/kg wet	50.0		91.8	30-150			
Surrogate: Tetrachloro-m-xylene	56.6			ug/kg wet	50.0		113	30-150			



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AETL Job Number: BCI0062
Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0216 - 3540C (Continued)					Prepared: 09/14/2021 10:32						
LCS (B1I0216-BS1)					Analyzed: 09/15/2021 00:39						
Aroclor-1016 (PCB-1016)	401	20.0	50.0	ug/kg wet	500		80.2	50-150			
Aroclor-1260 (PCB-1260)	369	20.0	50.0	ug/kg wet	500		73.9	50-150			
Surrogate: Decachlorobiphenyl	46.9			ug/kg wet	50.0		93.7	30-150			
Surrogate: Tetrachloro-m-xylene	38.9			ug/kg wet	50.0		77.8	30-150			
LCSD (B1I0216-BSD1)					Analyzed: 09/15/2021 00:59						
Aroclor-1016 (PCB-1016)	384	20.0	50.0	ug/kg wet	500		76.8	50-150	4.32	40	
Aroclor-1260 (PCB-1260)	475	20.0	50.0	ug/kg wet	500		95.0	50-150	25.1	40	
Surrogate: Decachlorobiphenyl	53.5			ug/kg wet	50.0		107	30-150			
Surrogate: Tetrachloro-m-xylene	40.7			ug/kg wet	50.0		81.5	30-150			



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Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0131 - ASTM-D2216					Prepared: 09/08/2021 12:00						
Method Blank (B1I0131-BLK1)					Analyzed: 09/08/2021 12:00						
Moisture Content	100		0.100	% wt							



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Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0131 - ASTM-D2216 (Continued)

Duplicate (B1I0131-DUP1)

Source: BCI0062-32

Prepared: 09/08/2021 12:00

Analyzed: 09/08/2021 12:00

Moisture Content	10.5		0.100	% wt		12.0			14.0	15	
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Batch: B1I0189 - ASTM-D2216

Method Blank (B1I0189-BLK1)

Prepared: 09/09/2021 12:00

Analyzed: 09/09/2021 12:00

Moisture Content	100		0.100	% wt
Percent Solids	ND		0.100	% wt



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Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1I0189 - ASTM-D2216 (Continued)

Duplicate (B1I0189-DUP1)

Source: BCI0061-34

Prepared: 09/09/2021 12:00

Analyzed: 09/09/2021 12:00

Moisture Content	4.26		0.100	% wt		4.36			2.30	15	
Percent Solids	95.7		0.100	% wt		95.6			<1.00	200	

Batch: B1I0190 - ASTM-D2216

Method Blank (B1I0190-BLK1)

Prepared: 09/09/2021 12:00

Analyzed: 09/09/2021 12:00

Moisture Content	100		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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Project Number: 107-ENV-737234.11
Attention: Eric Nelson
Project Name: LAUSD Bethune MS

Site: Bethune Middle School
155 W 69th St.
Los Angeles, CA, 90003
Reported: 09/17/2021 10:48

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1I0190 - ASTM-D2216 (Continued)					Prepared: 09/09/2021 12:00						
Duplicate (B1I0190-DUP1)					Analyzed: 09/09/2021 12:00						
Moisture Content	27.7		0.100	% wt		27.7			<1.00	15	
Percent Solids	72.3		0.100	% wt		72.3			<1.00	200	



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCI0062 Project Number: 107-ENV-737234.11 Attention: Eric Nelson Project Name: LAUSD Bethune MS	Site: Bethune Middle School 155 W 69th St. Los Angeles, CA, 90003 Reported: 09/17/2021 10:48
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Qualifiers and Definitions

Item	Qualifiers
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No



AMERICAN ENVIRONMENTAL TESTING LABORATORY

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TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Revised and Reissued
Rev. 01

Tetra Tech, Inc.	AETL Job Number: BCI0062	Site: Bethune Middle School
3475 East Foothill Boulevard	Project Number: 107-ENV-737234.11	155 W 69th St.
Pasadena, CA 91107	Attention: Eric Nelson	Los Angeles, CA, 90003
	Project Name: LAUSD Bethune MS	Reported: 09/17/2021 10:48

ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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November 24, 2021

AETL Job No: BCK0223
Received Date: 11/18/2021
Project Number: 102-T37254.11

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (626) 470-2391

Attention: Eric Nelson

Project Name: Bethune Middle School LAUSD
Site: 155 W 69th Street
Los Angeles, CA 90003

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hossein Shahrokhnia
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: 102-T37254.11
Work Order Number: BCK0223

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 3.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

[illegible]



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A KYZER LABS COMPANY

COOLER RECEIPT FORM

Client Name: Tetra Tech

Project Name:

AETL Job Number: BCK0223

Date Received: 11/18/21

Received by: Sargis P.

Carrier: ☐ AETL Courier ☒ Client ☐ GLS ☐ FedEx ☐ UPS

☐ Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):

Inside temperature of shipping container No 1: 3.0, No 2: , No 3:

Type of sample containers: ☐ VOA, ☒ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles,
☐ Metal sleeves, ☐ Others (Specify):

How are samples preserved: ☐ None, ☒ Ice, ☐ Blue Ice, ☐ Dry Ice

☒ None, ☐ HNO₃, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ Na₂S₂O₃,

☐ MeOH

☐ Other (Specify):

	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

No analytical non-conformances were encountered.



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AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Samples Received

AETL received the following samples on 11/18/2021 with the following specifications

Client ID		Sample Date	
H9-1		11/18/2021 7:50	
Lab ID	Matrix	Quantity of Containers	
BCK0223-01	Soil	2	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
H9-3		11/18/2021 8:00	
Lab ID	Matrix	Quantity of Containers	
BCK0223-02	Soil	2	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
I9-3		11/18/2021 8:15	
Lab ID	Matrix	Quantity of Containers	
BCK0223-04	Soil	2	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Samples Received

(Continued)

AETL received the following samples on 11/18/2021 with the following specifications

Client ID		Sample Date	
I9-DUP		11/18/2021 0:00	
Lab ID	Matrix	Quantity of Containers	
BCK0223-05	Soil	2	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
EB-11182021		11/18/2021 9:00	
Lab ID	Matrix	Quantity of Containers	
BCK0223-07	Aqueous	1	
Method	Analyte	Units	TAT
EPA 8082	Polychlorinated Biphenyls (PCBs)	ug/L	5
Total Number of Samples received:			5



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AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Positive Hits Summary

Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCK0223-01	H9-1				11/18/2021 07:50
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	4.27		% wt	11/18/2021 15:00

Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCK0223-02	H9-3				11/18/2021 08:00
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	3.56		% wt	11/18/2021 15:00

Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCK0223-04	I9-3				11/18/2021 08:15
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	8.47		% wt	11/18/2021 15:00

Lab ID	Client ID	Result	Qualifier	Unit	Sampled
BCK0223-05	I9-DUP				11/18/2021 00:00
Method	Analyte				Analyzed
ASTM D2216	Moisture Content	3.40		% wt	11/18/2021 15:00



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AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Analytical Results

Client ID: H9-1

Lab ID: BCK0223-01 (Soil)

Sampled: 11/18/21 7:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	74.9%				30-150		11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C
Surrogate: Tetrachloro-m-xylene	60.9%				30-150		11/23/21 12:00	11/23/21 15:41	B1K0540	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	4.27		1		0.100	% wt	11/18/21 15:00	11/18/21 15:00	B1K0462	CS	ASTM-D2216
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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCK0223 Project Number: 102-T37254.11 Attention: Eric Nelson Project Name: Bethune Middle School LAUSD	Site: 155 W 69th Street Los Angeles, CA 90003 Reported: 11/24/2021 11:50
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Analytical Results

Client ID: H9-3

Lab ID: BCK0223-02 (Soil)

Sampled: 11/18/21 8:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	64.7%				30-150		11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C
Surrogate: Tetrachloro-m-xylene	57.3%				30-150		11/23/21 12:00	11/23/21 16:00	B1K0540	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.56		1		0.100	% wt	11/18/21 15:00	11/18/21 15:00	B1K0462	CS	ASTM-D2216
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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Analytical Results

Client ID: I9-3

Lab ID: BCK0223-04 (Soil)

Sampled: 11/18/21 8:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	69.0%				30-150		11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C
Surrogate: Tetrachloro-m-xylene	67.9%				30-150		11/23/21 12:00	11/23/21 16:19	B1K0540	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.47		1		0.100	% wt	11/18/21 15:00	11/18/21 15:00	B1K0462	CS	ASTM-D2216
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AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Analytical Results

Client ID: I9-DUP

Lab ID: BCK0223-05 (Soil)

Sampled: 11/18/21 0:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl	73.7%				30-150		11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C
Surrogate: Tetrachloro-m-xylene	66.0%				30-150		11/23/21 12:00	11/23/21 16:39	B1K0540	BC	3540C

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.40		1		0.100	% wt	11/18/21 15:00	11/18/21 15:00	B1K0462	CS	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Analytical Results

Client ID: EB-11182021

Lab ID: BCK0223-07 (Aqueous)

Sampled: 11/18/21 9:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
---------	--------	-----------	----------	-----	----	-------	--------------------	--------------------	-------	------------------	--------------

PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	11/23/21 10:11	11/23/21 14:04	B1K0544	BC	3510C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

76.2%
75.7%

Acceptance Criteria

30-150
30-150

11/23/21 10:11 11/23/21 14:04 B1K0544 BC 3510C
11/23/21 10:11 11/23/21 14:04 B1K0544 BC 3510C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1K0462 - ASTM-D2216					Prepared: 11/18/2021 15:00						
Method Blank (B1K0462-BLK1)					Analyzed: 11/18/2021 15:00						
Moisture Content	100		0.100	% wt							



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Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1K0462 - ASTM-D2216 (Continued)					Prepared: 11/18/2021 15:00						
Duplicate (B1K0462-DUP1)					Source: BCK0212-01						
Moisture Content					Analyzed: 11/18/2021 15:00						
	15.1		0.100	% wt		15.4			1.75	15	



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Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1K0544 - 3510C					Prepared: 11/23/2021 10:11						
Method Blank (B1K0544-BLK1)					Analyzed: 11/23/2021 13:25						
Aroclor-1016 (PCB-1016)	ND	1.00	5.00	ug/L							
Aroclor-1221 (PCB-1221)	ND	2.00	10.0	ug/L							
Aroclor-1232 (PCB-1232)	ND	1.00	5.00	ug/L							
Aroclor-1242 (PCB-1242)	ND	1.00	5.00	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.250	2.50	ug/L							
Aroclor-1254 (PCB-1254)	ND	1.00	5.00	ug/L							
Aroclor-1260 (PCB-1260)	ND	1.00	5.00	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.390			ug/L	0.500		78.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.433			ug/L	0.500		86.6	30-150			



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AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1K0544 - 3510C (Continued)					Prepared: 11/23/2021 10:11						
LCS (B1K0544-BS1)					Analyzed: 11/23/2021 12:47						
Aroclor-1016 (PCB-1016)	4.73	1.00	5.00	ug/L	5.00		94.6	40-150			
Aroclor-1260 (PCB-1260)	4.80	1.00	5.00	ug/L	5.00		96.0	40-150			
Surrogate: Decachlorobiphenyl					0.428	0.500	85.6	30-150			
Surrogate: Tetrachloro-m-xylene					0.498	0.500	99.6	30-150			
LCSD (B1K0544-BSD1)					Analyzed: 11/23/2021 13:06						
Aroclor-1016 (PCB-1016)	4.48	1.00	5.00	ug/L	5.00		89.6	40-150	5.33	20	
Aroclor-1260 (PCB-1260)	4.97	1.00	5.00	ug/L	5.00		99.4	40-150	3.42	20	
Surrogate: Decachlorobiphenyl					0.401	0.500	80.3	30-150			
Surrogate: Tetrachloro-m-xylene					0.453	0.500	90.5	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCK0223
Project Number: 102-T37254.11
Attention: Eric Nelson
Project Name: Bethune Middle School
LAUSD

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 11/24/2021 11:50

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1K0540 - 3540C					Prepared: 11/23/2021 12:00						
Method Blank (B1K0540-BLK1)					Analyzed: 11/23/2021 15:21						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	20.0			ug/kg wet	25.0		80.0	30-150			
Surrogate: Tetrachloro-m-xylene	18.6			ug/kg wet	25.0		74.5	30-150			



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCK0223 Project Number: 102-T37254.11 Attention: Eric Nelson Project Name: Bethune Middle School LAUSD	Site: 155 W 69th Street Los Angeles, CA 90003 Reported: 11/24/2021 11:50
------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1K0540 - 3540C (Continued)					Prepared: 11/23/2021 12:00						
LCS (B1K0540-BS1)					Analyzed: 11/23/2021 14:43						
Aroclor-1016 (PCB-1016)	221	20.0	50.0	ug/kg wet	250		88.2	50-150			
Aroclor-1260 (PCB-1260)	216	20.0	50.0	ug/kg wet	250		86.2	50-150			
Surrogate: Decachlorobiphenyl	19.7			ug/kg wet	25.0		78.9	30-150			
Surrogate: Tetrachloro-m-xylene	20.7			ug/kg wet	25.0		83.0	30-150			
LCSD (B1K0540-BSD1)					Analyzed: 11/23/2021 15:02						
Aroclor-1016 (PCB-1016)	219	20.0	50.0	ug/kg wet	250		87.7	50-150	<1.00	40	
Aroclor-1260 (PCB-1260)	263	20.0	50.0	ug/kg wet	250		105	50-150	19.7	40	
Surrogate: Decachlorobiphenyl	16.6			ug/kg wet	25.0		66.3	30-150			
Surrogate: Tetrachloro-m-xylene	14.8			ug/kg wet	25.0		59.4	30-150			



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCK0223 Project Number: 102-T37254.11 Attention: Eric Nelson Project Name: Bethune Middle School LAUSD	Site: 155 W 69th Street Los Angeles, CA 90003 Reported: 11/24/2021 11:50
------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------

Qualifiers and Definitions

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health



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Tetra Tech, Inc.	AETL Job Number:	BCK0223	Site:	155 W 69th Street
3475 East Foothill Boulevard	Project Number:	102-T37254.11		Los Angeles, CA 90003
Pasadena, CA 91107	Attention:	Eric Nelson		
	Project Name:	Bethune Middle School	Reported:	11/24/2021 11:50
		LAUSD		

nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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January 07, 2022

AETL Job No: BCL0214 Rev. 03
Received Date: 12/16/2021
Project Number: 102-ENV-37254.11-03

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (626) 470-2391

Attention: Eric Nelson

Project Name: Bethune Middle School
Site: 155 W 69th St.
Los Angeles, CA

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hailley Coleman
Project Manager

Approved By:

Hossein Shahrokhnia
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: 102-ENV-37254.11-03
Work Order Number: BCL0214

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Revised and Reissued
Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 3.1 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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A KYZER LABS COMPANY

CHAIN OF CUSTODY RECORD
NO 123912

COMPANY

Tetra Tech

COMPANY ADDRESS

3475 E Foothill, Pasadena, CA 91504

PROJECT NAME

Bethune MS

SITE NAME AND ADDRESS

155 W 69th St
Los Angeles

PROJECT MANAGER

Eric Nelson

PHONE

626-357-1446

EMAIL

eric.nelson@tetratech.com

PROJECT #

102-ENV-37254.11-03

PO #

AETL JOB No.

360214

Page

1 of 3

ANALYSIS REQUESTED

PCBs (8082)

TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
EB-12162021	BCLO214-01	12/16/2021	0800	W	1-L	none
G21-0.5	-02		0845	S	1 jar	
C21-0.5	-03		0850			
Y21-0.5	-04		0900			
F19-0.5	-05		0910			
D19-0.5	-06		0920			
B19-0.5	-07		0928			
Y19-0.5	-08		0938			
G16-0.5	-09		0944			
G14-0.5	-10		0953			
G12-0.5	-11		1000			
G12-0.5-DUP	-12		1000			
G10-0.5	-13		1004			
G8-0.5	-14		1009			
G5-0.5	-15		1013			

TOTAL NUMBER OF CONTAINERS:

15

RELINQUISHED BY SAMPLER:

Signature: [Signature]
Printed Name: David Betolucci
Date: 12-16-21 Time: 1455

RELINQUISHED BY:

1. Signature: [Signature]
Printed Name: David Betolucci
Date: 12-16-21 Time: 1455

2. Signature: [Signature]
Printed Name: [Signature]
Date: 12-16-21 Time: 1611

3. Signature: [Signature]
Printed Name: [Signature]
Date: 12-16-21 Time: 1611

TURN AROUND TIME

☒ NORMAL
☐ 2 DAYS RUSH
☐ 3 DAYS RUSH
☐ 4 DAYS RUSH

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ E-COPY
☐ GEOTRACKER (GLOBAL ID)
☐ OTHER (PLEASE SPECIFY)

BILLING INFORMATION / SPECIAL INSTRUCTIONS

DISTRIBUTION:

WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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A KETZER LABS COMPANY

CHAIN OF CUSTODY RECORD
N^o 123913

AETL JOB No. **BC60214** Page **2** of **3**

COMPANY Tetra Tech
COMPANY ADDRESS 3475 E Foothill, Pasadena
PROJECT NAME Bellmore MS
SITE NAME AND ADDRESS 155 W 69th St
Los Angeles

PROJECT MANAGER Eric Nelson
PHONE 626-351-1446
EMAIL eric.nelson@tetra-tech.com
PROJECT # 102-ENV-T37254.11-03
PO #

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
B0-0.5	BC60214-16	12/16/2021	1018	S	1-jar	None
G101-0.5	-17		1022			
G104-0.5	-18		1025			
Z104-0.5	-19		1036			
D104-0.5	-20		1041			
B103-0.5	-21		1047			
X103-0.5	-22		1052			
X103-0.5-DUP	-23		1052			
X100-0.5	-24		1057			
X2-0.5	-25		1103			
Z2-0.5	-26		1110			
D2-0.5	-27		1115			
Z4-0.5	-28		1123			
D4-0.5	-29		1129			
B9-0.5	-30		1135			

TOTAL NUMBER OF CONTAINERS: 15

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME

☒ NORMAL ☐ SAME DAY RUSH ☐ NEXT DAY RUSH

☐ 2 DAYS RUSH ☐ 3 DAYS RUSH ☐ 4 DAYS RUSH

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☐ E-COPY ☐ GEOTRACKER (GLOBAL ID) ☐ OTHER (PLEASE SPECIFY)

RELINQUISHED BY SAMPLER: Signature: [Signature] Printed Name: Dawid Bertolacci Date: 12-16-21 Time: 1455

RECEIVED BY: Signature: [Signature] Printed Name: [Signature] Date: 12-16-21 Time: 1455

RELINQUISHED BY: 1. Signature: [Signature] Printed Name: [Signature] Date: 12-16-21 Time: 1455

RECEIVED BY: 1. Signature: [Signature] Printed Name: [Signature] Date: 12-16-21 Time: 1455

RELINQUISHED BY: 2. Signature: [Signature] Printed Name: [Signature] Date: 12-16-21 Time: 1455

RECEIVED BY: 2. Signature: [Signature] Printed Name: [Signature] Date: 12-16-21 Time: 1455

RELINQUISHED BY: 3. Signature: [Signature] Printed Name: [Signature] Date: 12-16-21 Time: 1455

RECEIVED BY: 3. Signature: [Signature] Printed Name: [Signature] Date: 12-16-21 Time: 1455

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



CHAIN OF CUSTODY RECORD

[illegible]

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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COOLER RECEIPT FORM

Client Name: <u>Tetra Tech</u>				
Project Name:				
AETL Job Number: <u>B060214</u>				
Date Received: <u>12/16/21</u> Received by: <u>Sergio Pirez</u>				
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSL <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>3.4</u> ; No 2: , No 3:				
Type of sample containers: <input type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Revised and Reissued
Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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Samples Received

AETL received the following samples on 12/16/2021 with the following specifications

Client ID EB-121621		Sample Date 12/16/2021 8:00
Lab ID BCL0214-01	Matrix Aqueous	Quantity of Containers 1
Analysis EPA 8082	Units ug/L	TAT 5

Client ID G21-0.5		Sample Date 12/16/2021 8:45
Lab ID BCL0214-02	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID C21-0.5		Sample Date 12/16/2021 8:50
Lab ID BCL0214-03	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Y21-0.5		Sample Date 12/16/2021 9:00
Lab ID BCL0214-04	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216	Units % wt	TAT 5



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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

EPA 8082	ug/kg	5
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Client ID F19-0.5		Sample Date 12/16/2021 9:10
Lab ID BCL0214-05	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID D19-0.5		Sample Date 12/16/2021 9:20
Lab ID BCL0214-06	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID B19-0.5		Sample Date 12/16/2021 9:28
Lab ID BCL0214-07	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

Client ID	Sample Date
Y19-0.5	12/16/2021 9:38
Lab ID	Matrix
BCL0214-08	Soil
Quantity of Containers	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
G16-0.5	12/16/2021 9:44
Lab ID	Matrix
BCL0214-09	Soil
Quantity of Containers	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
G14-0.5	12/16/2021 9:53
Lab ID	Matrix
BCL0214-10	Soil
Quantity of Containers	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
G12-0.5	12/16/2021 10:00
Lab ID	Matrix
BCL0214-11	Soil
Quantity of Containers	1

Analysis	Units	TAT
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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID G12-0.5-Dup		Sample Date 12/16/2021 10:00
Lab ID BCL0214-12	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID G10-0.5		Sample Date 12/16/2021 10:04
Lab ID BCL0214-13	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID G8-0.5		Sample Date 12/16/2021 10:09
Lab ID BCL0214-14	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

Client ID	Sample Date
G5-0.5	12/16/2021 10:13
Lab ID	Quantity of Containers
BCL0214-15	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
G0-0.5	12/16/2021 10:18
Lab ID	Quantity of Containers
BCL0214-16	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
G101-0.5	12/16/2021 10:22
Lab ID	Quantity of Containers
BCL0214-17	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
G104-0.5	12/16/2021 10:25
Lab ID	Quantity of Containers
BCL0214-18	1

Analysis	Units	TAT
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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID Z104-0.5		Sample Date 12/16/2021 10:36
Lab ID BCL0214-19	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID D104-0.5		Sample Date 12/16/2021 10:41
Lab ID BCL0214-20	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID B103-0.5		Sample Date 12/16/2021 10:47
Lab ID BCL0214-21	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

Client ID X103-0.5		Sample Date 12/16/2021 10:52
Lab ID BCL0214-22	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID X103-0.5-Dup		Sample Date 12/16/2021 10:52
Lab ID BCL0214-23	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID X100-0.5		Sample Date 12/16/2021 10:57
Lab ID BCL0214-24	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5
Client ID X2-0.5		Sample Date 12/16/2021 11:03
Lab ID BCL0214-25	Matrix Soil	Quantity of Containers 1
Analysis	Units	TAT



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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID Z2-0.5		Sample Date 12/16/2021 11:10
Lab ID BCL0214-26	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID D2-0.5		Sample Date 12/16/2021 11:15
Lab ID BCL0214-27	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID Z4-0.5		Sample Date 12/16/2021 11:23
Lab ID BCL0214-28	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

Client ID	Sample Date
D4-0.5	12/16/2021 11:29
Lab ID	Quantity of Containers
BCL0214-29	1
Matrix	
Soil	
Analysis	Units
ASTM D2216	TAT
EPA 8082	% wt
	5
	ug/kg
	5
Client ID	Sample Date
B9-0.5	12/16/2021 11:35
Lab ID	Quantity of Containers
BCL0214-30	1
Matrix	
Soil	
Analysis	Units
ASTM D2216	TAT
EPA 8082	% wt
	5
	ug/kg
	5
Client ID	Sample Date
Z15-0.5	12/16/2021 11:49
Lab ID	Quantity of Containers
BCL0214-31	1
Matrix	
Soil	
Analysis	Units
ASTM D2216	TAT
EPA 8082	% wt
	5
	ug/kg
	5
Client ID	Sample Date
B14-0.5	12/16/2021 11:57
Lab ID	Quantity of Containers
BCL0214-32	1
Matrix	
Soil	
Analysis	Units
	TAT



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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID D14-0.5		Sample Date 12/16/2021 12:02
Lab ID BCL0214-33	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID D14-0.5-Dup		Sample Date 12/16/2021 12:02
Lab ID BCL0214-34	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5

Client ID D15-0.5		Sample Date 12/16/2021 12:10
Lab ID BCL0214-35	Matrix Soil	Quantity of Containers 1
Analysis ASTM D2216 EPA 8082	Units % wt ug/kg	TAT 5 5



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Samples Received (Continued)

AETL received the following samples on 12/16/2021 with the following specifications

Client ID	Sample Date
X5-0.5	12/16/2021 12:17
Lab ID	Matrix
BCL0214-36	Soil
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
Quantity of Containers	TAT
1	5
5	
Client ID	Sample Date
X8-0.5	12/16/2021 12:25
Lab ID	Matrix
BCL0214-37	Soil
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
Quantity of Containers	TAT
1	5
5	
Client ID	Sample Date
X8-0.5-Dup	12/16/2021 12:25
Lab ID	Matrix
BCL0214-38	Soil
Analysis	Units
ASTM D2216	% wt
EPA 8082	ug/kg
Quantity of Containers	TAT
1	5
5	

Total Number of Samples received: 38



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Positive Hits Summary

Lab ID	Client ID					Sampled
BCL0214-02	G21-0.5					12/16/2021 08:45
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	209		ug/kg dry	12/20/2021 14:17	
EPA 8082	Aroclor-1254 (PCB-1254)	145		ug/kg dry	12/20/2021 14:17	
ASTM D2216	Moisture Content	11.1		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-03	C21-0.5					12/16/2021 08:50
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	986		ug/kg dry	12/20/2021 14:36	
EPA 8082	Aroclor-1254 (PCB-1254)	432		ug/kg dry	12/20/2021 14:36	
ASTM D2216	Moisture Content	7.79		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-04	Y21-0.5					12/16/2021 09:00
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	1100		ug/kg dry	12/20/2021 15:14	
EPA 8082	Aroclor-1254 (PCB-1254)	1500		ug/kg dry	12/20/2021 15:14	
ASTM D2216	Moisture Content	11.9		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-05	F19-0.5					12/16/2021 09:10
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	435		ug/kg dry	12/20/2021 15:34	
EPA 8082	Aroclor-1254 (PCB-1254)	611		ug/kg dry	12/20/2021 15:34	
ASTM D2216	Moisture Content	3.70		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-06	D19-0.5					12/16/2021 09:20
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	42.5	J	ug/kg dry	12/20/2021 15:53	
EPA 8082	Aroclor-1254 (PCB-1254)	28.9	J	ug/kg dry	12/20/2021 15:53	



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCL0214-06	D19-0.5				12/16/2021 09:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.81		% wt	12/20/2021 12:00

Lab ID	Client ID				Sampled
BCL0214-07	B19-0.5				12/16/2021 09:28
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	25.2	J	ug/kg dry	12/20/2021 16:12
ASTM D2216	Moisture Content	7.97		% wt	12/20/2021 12:00

Lab ID	Client ID				Sampled
BCL0214-08	Y19-0.5				12/16/2021 09:38
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	481		ug/kg dry	12/20/2021 16:32
EPA 8082	Aroclor-1254 (PCB-1254)	269		ug/kg dry	12/20/2021 16:32
ASTM D2216	Moisture Content	11.6		% wt	12/20/2021 12:00

Lab ID	Client ID				Sampled
BCL0214-09	G16-0.5				12/16/2021 09:44
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	826	DIL	ug/kg dry	12/20/2021 16:51
EPA 8082	Aroclor-1254 (PCB-1254)	563	DIL	ug/kg dry	12/20/2021 16:51
ASTM D2216	Moisture Content	14.7		% wt	12/20/2021 12:00

Lab ID	Client ID				Sampled
BCL0214-10	G14-0.5				12/16/2021 09:53
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	266	DIL	ug/kg dry	12/20/2021 17:10
ASTM D2216	Moisture Content	9.47		% wt	12/20/2021 12:00



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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCL0214-11	G12-0.5					12/16/2021 10:00
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	1330		ug/kg dry	12/20/2021 17:30	
EPA 8082	Aroclor-1254 (PCB-1254)	745		ug/kg dry	12/20/2021 17:30	
ASTM D2216	Moisture Content	9.38		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-12	G12-0.5-Dup					12/16/2021 10:00
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	1300	DIL	ug/kg dry	12/20/2021 17:49	
EPA 8082	Aroclor-1254 (PCB-1254)	562	DIL	ug/kg dry	12/20/2021 17:49	
ASTM D2216	Moisture Content	8.34		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-13	G10-0.5					12/16/2021 10:04
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1016 (PCB-1016)	734	DIL	ug/kg dry	12/20/2021 18:08	
EPA 8082	Aroclor-1248 (PCB-1248)	127	DIL	ug/kg dry	12/20/2021 18:08	
EPA 8082	Aroclor-1254 (PCB-1254)	281	DIL	ug/kg dry	12/20/2021 18:08	
ASTM D2216	Moisture Content	16.0		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-14	G8-0.5					12/16/2021 10:09
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	118		ug/kg dry	12/20/2021 18:27	
EPA 8082	Aroclor-1254 (PCB-1254)	115		ug/kg dry	12/20/2021 18:27	
ASTM D2216	Moisture Content	17.5		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-15	G5-0.5					12/16/2021 10:13
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	163	DIL	ug/kg dry	12/20/2021 19:06	



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Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCL0214-15	G5-0.5					12/16/2021 10:13
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1254 (PCB-1254)	137	DIL	ug/kg dry	12/20/2021 19:06	
ASTM D2216	Moisture Content	11.0		% wt	12/20/2021 12:00	

Lab ID	Client ID					Sampled
BCL0214-16	G0-0.5					12/16/2021 10:18
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	112		ug/kg dry	12/20/2021 19:25	
EPA 8082	Aroclor-1254 (PCB-1254)	165		ug/kg dry	12/20/2021 19:25	
ASTM D2216	Moisture Content	16.3		% wt	12/20/2021 11:30	

Lab ID	Client ID					Sampled
BCL0214-17	G101-0.5					12/16/2021 10:22
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	64.6	DIL	ug/kg dry	12/20/2021 19:44	
EPA 8082	Aroclor-1254 (PCB-1254)	179	DIL	ug/kg dry	12/20/2021 19:44	
ASTM D2216	Moisture Content	14.2		% wt	12/20/2021 11:30	

Lab ID	Client ID					Sampled
BCL0214-18	G104-0.5					12/16/2021 10:25
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	45.0	DIL, J	ug/kg dry	12/20/2021 20:04	
EPA 8082	Aroclor-1254 (PCB-1254)	116	DIL	ug/kg dry	12/20/2021 20:04	
ASTM D2216	Moisture Content	9.22		% wt	12/20/2021 11:30	

Lab ID	Client ID					Sampled
BCL0214-19	Z104-0.5					12/16/2021 10:36
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	198		ug/kg dry	12/20/2021 20:23	
EPA 8082	Aroclor-1254 (PCB-1254)	82.3		ug/kg dry	12/20/2021 20:23	
ASTM D2216	Moisture Content	16.2		% wt	12/20/2021 11:30	



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AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCL0214-20	D104-0.5					12/16/2021 10:41
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	322	DIL	ug/kg dry	12/20/2021 20:42	
EPA 8082	Aroclor-1254 (PCB-1254)	137	DIL	ug/kg dry	12/20/2021 20:42	
ASTM D2216	Moisture Content	25.5		% wt	12/20/2021 11:30	

Lab ID	Client ID					Sampled
BCL0214-21	B103-0.5					12/16/2021 10:47
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	2000	DIL	ug/kg dry	12/21/2021 19:30	
EPA 8082	Aroclor-1254 (PCB-1254)	826		ug/kg dry	12/21/2021 19:30	
ASTM D2216	Moisture Content	15.0		% wt	12/20/2021 11:30	

Lab ID	Client ID					Sampled
BCL0214-22	X103-0.5					12/16/2021 10:52
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	164		ug/kg dry	12/21/2021 19:49	
EPA 8082	Aroclor-1254 (PCB-1254)	109		ug/kg dry	12/21/2021 19:49	
ASTM D2216	Moisture Content	14.9		% wt	12/20/2021 11:30	

Lab ID	Client ID					Sampled
BCL0214-23	X103-0.5-Dup					12/16/2021 10:52
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	248		ug/kg dry	12/21/2021 20:08	
EPA 8082	Aroclor-1254 (PCB-1254)	154		ug/kg dry	12/21/2021 20:08	
ASTM D2216	Moisture Content	17.1		% wt	12/20/2021 11:30	

Lab ID	Client ID					Sampled
BCL0214-24	X100-0.5					12/16/2021 10:57
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	264		ug/kg dry	12/21/2021 20:27	
EPA 8082	Aroclor-1254 (PCB-1254)	179		ug/kg dry	12/21/2021 20:27	



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BCL0214-24	X100-0.5				12/16/2021 10:57
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.14		% wt	12/20/2021 11:30

Lab ID	Client ID				Sampled
BCL0214-25	X2-0.5				12/16/2021 11:03
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	370		ug/kg dry	12/21/2021 20:46
EPA 8082	Aroclor-1254 (PCB-1254)	291		ug/kg dry	12/21/2021 20:46
ASTM D2216	Moisture Content	16.5		% wt	12/20/2021 11:30

Lab ID	Client ID				Sampled
BCL0214-26	Z2-0.5				12/16/2021 11:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1390		ug/kg dry	12/21/2021 21:25
EPA 8082	Aroclor-1254 (PCB-1254)	529		ug/kg dry	12/21/2021 21:25
ASTM D2216	Moisture Content	16.5		% wt	12/20/2021 11:30

Lab ID	Client ID				Sampled
BCL0214-27	D2-0.5				12/16/2021 11:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	237		ug/kg dry	12/21/2021 21:44
EPA 8082	Aroclor-1254 (PCB-1254)	107		ug/kg dry	12/21/2021 21:44
ASTM D2216	Moisture Content	20.6		% wt	12/20/2021 11:30

Lab ID	Client ID				Sampled
BCL0214-28	Z4-0.5				12/16/2021 11:23
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	2280	DIL	ug/kg dry	12/21/2021 22:03
EPA 8082	Aroclor-1254 (PCB-1254)	804		ug/kg dry	12/21/2021 22:03
ASTM D2216	Moisture Content	15.9		% wt	12/20/2021 11:30



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Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCL0214-29	D4-0.5					12/16/2021 11:29
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	3010	DIL	ug/kg dry	12/21/2021	22:23
EPA 8082	Aroclor-1254 (PCB-1254)	999		ug/kg dry	12/21/2021	22:23
ASTM D2216	Moisture Content	11.4		% wt	12/20/2021	11:30
Lab ID	Client ID					Sampled
BCL0214-30	B9-0.5					12/16/2021 11:35
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	823		ug/kg dry	12/21/2021	22:42
EPA 8082	Aroclor-1254 (PCB-1254)	713		ug/kg dry	12/21/2021	22:42
ASTM D2216	Moisture Content	25.2		% wt	12/20/2021	11:30
Lab ID	Client ID					Sampled
BCL0214-31	Z15-0.5					12/16/2021 11:49
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1254 (PCB-1254)	103		ug/kg dry	12/21/2021	23:01
ASTM D2216	Moisture Content	7.20		% wt	12/20/2021	11:30
Lab ID	Client ID					Sampled
BCL0214-32	B14-0.5					12/16/2021 11:57
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	2360	DIL	ug/kg dry	12/21/2021	23:20
EPA 8082	Aroclor-1254 (PCB-1254)	1110		ug/kg dry	12/21/2021	23:20
ASTM D2216	Moisture Content	13.3		% wt	12/20/2021	11:30
Lab ID	Client ID					Sampled
BCL0214-33	D14-0.5					12/16/2021 12:02
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	10200	DIL	ug/kg dry	12/21/2021	23:39
EPA 8082	Aroclor-1254 (PCB-1254)	3260	DIL	ug/kg dry	12/21/2021	23:39
ASTM D2216	Moisture Content	12.2		% wt	12/20/2021	11:30



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Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Positive Hits Summary (Continued)

Lab ID	Client ID					Sampled
BCL0214-34	D14-0.5-Dup					12/16/2021 12:02
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	9210	DIL	ug/kg dry	12/21/2021 23:59	
EPA 8082	Aroclor-1254 (PCB-1254)	2870	DIL	ug/kg dry	12/21/2021 23:59	
ASTM D2216	Moisture Content	12.8		% wt	12/20/2021 11:30	
Lab ID	Client ID					Sampled
BCL0214-35	D15-0.5					12/16/2021 12:10
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	1600	DIL	ug/kg dry	12/22/2021 00:18	
EPA 8082	Aroclor-1254 (PCB-1254)	642		ug/kg dry	12/22/2021 00:18	
ASTM D2216	Moisture Content	3.71		% wt	12/20/2021 11:30	
Lab ID	Client ID					Sampled
BCL0214-36	X5-0.5					12/16/2021 12:17
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	1500		ug/kg dry	12/22/2021 00:37	
EPA 8082	Aroclor-1254 (PCB-1254)	761		ug/kg dry	12/22/2021 00:37	
ASTM D2216	Moisture Content	21.4		% wt	12/20/2021 11:30	
Lab ID	Client ID					Sampled
BCL0214-37	X8-0.5					12/16/2021 12:25
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	3400	DIL	ug/kg dry	12/22/2021 01:15	
EPA 8082	Aroclor-1254 (PCB-1254)	1160		ug/kg dry	12/22/2021 01:15	
ASTM D2216	Moisture Content	6.75		% wt	12/20/2021 11:30	
Lab ID	Client ID					Sampled
BCL0214-38	X8-0.5-Dup					12/16/2021 12:25
Method	Analyte	Result	Qualifier	Unit	Analyzed	
EPA 8082	Aroclor-1248 (PCB-1248)	3690	DIL	ug/kg dry	12/22/2021 01:35	
EPA 8082	Aroclor-1254 (PCB-1254)	1240		ug/kg dry	12/22/2021 01:35	



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Positive Hits Summary (Continued)

Lab ID	Client ID	Sampled			
BCL0214-38	X8-0.5-Dup	12/16/2021 12:25			
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	5.49		% wt	12/20/2021 11:30



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Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: EB-121621

Lab ID: BCL0214-01 (Aqueous)

Sampled: 12/16/21 8:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	1.00	5.00	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C
Aroclor-1221 (PCB-1221)	ND		1	2.00	10.0	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C
Aroclor-1232 (PCB-1232)	ND		1	1.00	5.00	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C
Aroclor-1242 (PCB-1242)	ND		1	1.00	5.00	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.250	2.50	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C
Aroclor-1254 (PCB-1254)	ND		1	1.00	5.00	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C
Aroclor-1260 (PCB-1260)	ND		1	1.00	5.00	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	12/21/21 13:21	12/22/21 02:51	B1L0558	BC	3510C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

54.5%
62.9%

Acceptance Criteria

30-150
30-150

12/21/21 13:21
12/21/21 13:21

12/22/21 02:51
12/22/21 02:51

B1L0558
B1L0558

BC
BC

3510C
3510C



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Project Name: Bethune Middle School

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Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G21-0.5

Lab ID: BCL0214-02 (Soil)

Sampled: 12/16/21 8:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
Aroclor-1248 (PCB-1248)	209	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
Aroclor-1254 (PCB-1254)	145	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C	
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	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	87.1%						12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	48.7%						12/20/21 08:24	12/20/21 14:17	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.1		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: C21-0.5

Lab ID: BCL0214-03 (Soil)

Sampled: 12/16/21 8:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	986		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	432		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	66.1%				30-150		12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C
Surrogate: Tetrachloro-m-xylene	57.3%				30-150		12/20/21 08:24	12/20/21 14:36	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.79		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: Y21-0.5

Lab ID: BCL0214-04 (Soil)

Sampled: 12/16/21 9:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
Aroclor-1248 (PCB-1248)	1100	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
Aroclor-1254 (PCB-1254)	1500	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:14	B1L0477	BC	3540C	
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	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	<i>156% S6</i>						12/20/21 08:24	<i>12/20/21 15:14</i>	B1L0477	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>113%</i>						12/20/21 08:24	<i>12/20/21 15:14</i>	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.9		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: F19-0.5

Lab ID: BCL0214-05 (Soil)

Sampled: 12/16/21 9:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	435		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	611		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	92.4%				30-150		12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C
Surrogate: Tetrachloro-m-xylene	95.3%				30-150		12/20/21 08:24	12/20/21 15:34	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.70		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: D19-0.5

Lab ID: BCL0214-06 (Soil)

Sampled: 12/16/21 9:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	42.5	J	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	28.9	J	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 15:53	B1L0477	BC	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	66.7%			<i>30-150</i>			12/20/21 08:24	<i>12/20/21 15:53</i>	B1L0477	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	59.1%			<i>30-150</i>			12/20/21 08:24	<i>12/20/21 15:53</i>	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.81		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: B19-0.5

Lab ID: BCL0214-07 (Soil)

Sampled: 12/16/21 9:28

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	25.2	J	1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	73.1%						12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	47.6%						12/20/21 08:24	12/20/21 16:12	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.97		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: Y19-0.5

Lab ID: BCL0214-08 (Soil)

Sampled: 12/16/21 9:38

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	481		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	269		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	92.7%				30-150		12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C
Surrogate: Tetrachloro-m-xylene	89.5%				30-150		12/20/21 08:24	12/20/21 16:32	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.6		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G16-0.5

Lab ID: BCL0214-09 (Soil)

Sampled: 12/16/21 9:44

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND	D	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND	D	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND	D	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	826	DIL	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	563	DIL	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND	D	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND	D	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND	D	2.5	50.0	125	ug/kg dry	12/20/21 08:24	12/20/21 16:51	B1L0477	BC	3540C
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	Recovery		Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	74.3%			30-150		12/20/21 08:24		12/20/21 16:51	B1L0477	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	67.9%			30-150		12/20/21 08:24		12/20/21 16:51	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.7		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G14-0.5

Lab ID: BCL0214-10 (Soil)

Sampled: 12/16/21 9:53

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
Aroclor-1248 (PCB-1248)	ND	DIL	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
Aroclor-1254 (PCB-1254)	266	DIL	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C	
<hr/>												
	Recovery			Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	91.9%			30-150				12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	125%			30-150				12/20/21 08:24	12/20/21 17:10	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.47		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G12-0.5

Lab ID: BCL0214-11 (Soil)

Sampled: 12/16/21 10:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	1330		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	745		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	85.9%				30-150		12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C
Surrogate: Tetrachloro-m-xylene	76.1%				30-150		12/20/21 08:24	12/20/21 17:30	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.38		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G12-0.5-Dup

Lab ID: BCL0214-12 (Soil)

Sampled: 12/16/21 10:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	1300	DIL	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	562	DIL	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND	D	5	100	250	ug/kg dry	12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Recovery						Acceptance Criteria					
Surrogate: Decachlorobiphenyl	97.2%						12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C
Surrogate: Tetrachloro-m-xylene	92.8%						12/20/21 08:24	12/20/21 17:49	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.34		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G10-0.5

Lab ID: BCL0214-13 (Soil)

Sampled: 12/16/21 10:04

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	734	DIL	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND	D	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND	D	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND	D	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	127	DIL	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	281	DIL	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND	D	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND	D	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND	D	2	40.0	100	ug/kg dry	12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
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	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	139%						12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	% 56						12/20/21 08:24	12/20/21 18:08	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.0		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G8-0.5

Lab ID: BCL0214-14 (Soil)

Sampled: 12/16/21 10:09

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	118		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	115		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	56.6%				30-150		12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C
Surrogate: Tetrachloro-m-xylene	53.2%				30-150		12/20/21 08:24	12/20/21 18:27	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.5		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G5-0.5

Lab ID: BCL0214-15 (Soil)

Sampled: 12/16/21 10:13

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	163	DIL	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	137	DIL	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C
<hr/>												
	Recovery			Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	60.7%			30-150			12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C	
<i>Surrogate: Tetrachloro-m-xylene</i>	55.0%			30-150			12/20/21 08:24	12/20/21 19:06	B1L0477	BC	3540C	

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.0		1		0.100	% wt	12/20/21 11:00	12/20/21 12:00	B1L0569	LM	ASTM-D2216
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AMERICAN ENVIRONMENTAL TESTING LABORATORY

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G0-0.5

Lab ID: BCL0214-16 (Soil)

Sampled: 12/16/21 10:18

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	112		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	165		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	68.9%				30-150		12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C
Surrogate: Tetrachloro-m-xylene	50.7%				30-150		12/20/21 08:24	12/20/21 19:25	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.3		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G101-0.5

Lab ID: BCL0214-17 (Soil)

Sampled: 12/16/21 10:22

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	64.6	DIL	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	179	DIL	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 19:44	B1L0477	BC	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	52.0%										
<i>Surrogate: Tetrachloro-m-xylene</i>	69.9%										

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.2		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: G104-0.5

Lab ID: BCL0214-18 (Soil)

Sampled: 12/16/21 10:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	45.0	DIL, J	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	116	DIL	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	31.6%						12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	64.9%						12/20/21 08:24	12/20/21 20:04	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	9.22		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: Z104-0.5

Lab ID: BCL0214-19 (Soil)

Sampled: 12/16/21 10:36

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	198		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	82.3		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	83.1%				30-150		12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C
Surrogate: Tetrachloro-m-xylene	52.4%				30-150		12/20/21 08:24	12/20/21 20:23	B1L0477	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.2		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: D104-0.5

Lab ID: BCL0214-20 (Soil)

Sampled: 12/16/21 10:41

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
Aroclor-1221 (PCB-1221)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
Aroclor-1232 (PCB-1232)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
Aroclor-1242 (PCB-1242)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
Aroclor-1248 (PCB-1248)	322	DIL	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
Aroclor-1254 (PCB-1254)	137	DIL	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
Aroclor-1260 (PCB-1260)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
Aroclor-1262 (PCB-1262)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
Aroclor-1268 (PCB-1268)	ND	D	2	20.0	50.0	ug/kg dry	12/20/21 08:24	12/20/21 20:42	B1L0477	BC	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	74.1%										
<i>Surrogate: Tetrachloro-m-xylene</i>	63.2%										

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	25.5		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: B103-0.5

Lab ID: BCL0214-21 (Soil)

Sampled: 12/16/21 10:47

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	2000	DIL	2	20.0	50.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	826		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
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				Recovery	Acceptance Criteria						
Surrogate: Decachlorobiphenyl	79.9%				30-150		12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	50.7%				30-150		12/21/21 08:37	12/21/21 19:30	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.0		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: X103-0.5

Lab ID: BCL0214-22 (Soil)

Sampled: 12/16/21 10:52

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	164		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	109		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	39.8%				30-150		12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	48.9%				30-150		12/21/21 08:37	12/21/21 19:49	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.9		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: X103-0.5-Dup

Lab ID: BCL0214-23 (Soil)

Sampled: 12/16/21 10:52

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	248		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	154		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	43.4%				30-150		12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	57.1%				30-150		12/21/21 08:37	12/21/21 20:08	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.1		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: X100-0.5

Lab ID: BCL0214-24 (Soil)

Sampled: 12/16/21 10:57

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	264		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	179		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	76.4%				30-150		12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	69.1%				30-150		12/21/21 08:37	12/21/21 20:27	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.14		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: X2-0.5

Lab ID: BCL0214-25 (Soil)

Sampled: 12/16/21 11:03

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	370	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	291	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 20:46	B1L0530	BC	3540C
<hr/>										
	Recovery	Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	<i>87.0%</i>					12/21/21 08:37	<i>12/21/21 20:46</i>	B1L0530	<i>BC</i>	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>75.3%</i>					12/21/21 08:37	<i>12/21/21 20:46</i>	B1L0530	<i>BC</i>	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.5		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: Z2-0.5

Lab ID: BCL0214-26 (Soil)

Sampled: 12/16/21 11:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	1390		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	529		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	82.9%				30-150		12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	85.4%				30-150		12/21/21 08:37	12/21/21 21:25	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	16.5		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: D2-0.5

Lab ID: BCL0214-27 (Soil)

Sampled: 12/16/21 11:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
Aroclor-1248 (PCB-1248)	237	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
Aroclor-1254 (PCB-1254)	107	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C	
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	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	63.8%						12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	57.2%						12/21/21 08:37	12/21/21 21:44	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	20.6		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: Z4-0.5

Lab ID: BCL0214-28 (Soil)

Sampled: 12/16/21 11:23

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	2280	DIL	2	20.0	50.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	804		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	77.1%						12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	67.5%						12/21/21 08:37	12/21/21 22:03	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.9		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: D4-0.5

Lab ID: BCL0214-29 (Soil)

Sampled: 12/16/21 11:29

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	3010	DIL	5	50.0	125	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	999		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	75.4%						12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	81.0%						12/21/21 08:37	12/21/21 22:23	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.4		1		0.100	% wt	12/20/21 08:00	12/20/21 11:30	B1L0570	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: B9-0.5

Lab ID: BCL0214-30 (Soil)

Sampled: 12/16/21 11:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	823		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	713		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
<hr/>											
				Recovery	Acceptance Criteria						
Surrogate: Decachlorobiphenyl	40.3%				30-150		12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	56.0%				30-150		12/21/21 08:37	12/21/21 22:42	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	25.2		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: Z15-0.5

Lab ID: BCL0214-31 (Soil)

Sampled: 12/16/21 11:49

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
Aroclor-1221 (PCB-1221)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
Aroclor-1232 (PCB-1232)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
Aroclor-1242 (PCB-1242)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
Aroclor-1248 (PCB-1248)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
Aroclor-1254 (PCB-1254)	103	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
Aroclor-1260 (PCB-1260)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
Aroclor-1262 (PCB-1262)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
Aroclor-1268 (PCB-1268)	ND	1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:01	B1L0530	BC	3540C	
<hr/>											
	Recovery	Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	<i>155% S6</i>	<i>30-150</i>					12/21/21 08:37	<i>12/21/21 23:01</i>	B1L0530	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>60.0%</i>	<i>30-150</i>					12/21/21 08:37	<i>12/21/21 23:01</i>	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.20		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: B14-0.5

Lab ID: BCL0214-32 (Soil)

Sampled: 12/16/21 11:57

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	2360	DIL	2	20.0	50.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	1110		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	88.9%				30-150		12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	58.4%				30-150		12/21/21 08:37	12/21/21 23:20	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.3		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: D14-0.5

Lab ID: BCL0214-33 (Soil)

Sampled: 12/16/21 12:02

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	10200	DIL	10	100	250	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	3260	DIL	10	100	250	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	75.1%					30-150	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	77.3%					30-150	12/21/21 08:37	12/21/21 23:39	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.2		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: D14-0.5-Dup

Lab ID: BCL0214-34 (Soil)

Sampled: 12/16/21 12:02

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	9210	DIL	10	100	250	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	2870	DIL	10	100	250	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	73.7%						12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	62.5%						12/21/21 08:37	12/21/21 23:59	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.8		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: D15-0.5

Lab ID: BCL0214-35 (Soil)

Sampled: 12/16/21 12:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	1600	DIL	2	20.0	50.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	642		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
<hr/>											
				Recovery	Acceptance Criteria						
Surrogate: Decachlorobiphenyl	62.1%				30-150		12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	60.2%				30-150		12/21/21 08:37	12/22/21 00:18	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.71		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: X5-0.5

Lab ID: BCL0214-36 (Soil)

Sampled: 12/16/21 12:17

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	1500		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	761		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	100%				30-150		12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	72.8%				30-150		12/21/21 08:37	12/22/21 00:37	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	21.4		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: X8-0.5

Lab ID: BCL0214-37 (Soil)

Sampled: 12/16/21 12:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	3400	DIL	5	50.0	125	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	1160		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	71.2%				30-150		12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	50.6%				30-150		12/21/21 08:37	12/22/21 01:15	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.75		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Analytical Results

Client ID: X8-0.5-Dup

Lab ID: BCL0214-38 (Soil)

Sampled: 12/16/21 12:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Aroclor-1248 (PCB-1248)	3690	DIL	5	50.0	125	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Aroclor-1254 (PCB-1254)	1240		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	10.0	25.0	ug/kg dry	12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
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				Recovery	Acceptance Criteria						
Surrogate: Decachlorobiphenyl	77.2%				30-150		12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C
Surrogate: Tetrachloro-m-xylene	73.6%				30-150		12/21/21 08:37	12/22/21 01:35	B1L0530	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	5.49		1		0.100	% wt	12/20/21 08:20	12/20/21 11:30	B1L0571	LM	ASTM-D2216
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0558 - 3510C					Prepared: 12/21/2021 13:21						
Method Blank (B1L0558-BLK1)					Analyzed: 12/22/2021 02:32						
Aroclor-1016 (PCB-1016)	ND	1.00	5.00	ug/L							
Aroclor-1221 (PCB-1221)	ND	2.00	10.0	ug/L							
Aroclor-1232 (PCB-1232)	ND	1.00	5.00	ug/L							
Aroclor-1242 (PCB-1242)	ND	1.00	5.00	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.250	2.50	ug/L							
Aroclor-1254 (PCB-1254)	ND	1.00	5.00	ug/L							
Aroclor-1260 (PCB-1260)	ND	1.00	5.00	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.323			ug/L	0.500		64.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.314			ug/L	0.500		62.9	30-150			



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Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0558 - 3510C (Continued)					Prepared: 12/21/2021 13:21						
LCS (B1L0558-BS1)					Analyzed: 12/22/2021 01:54						
Aroclor-1016 (PCB-1016)	5.25	1.00	5.00	ug/L	5.00		105	40-150			
Aroclor-1260 (PCB-1260)	3.87	1.00	5.00	ug/L	5.00		77.4	40-150			
Surrogate: Decachlorobiphenyl	0.541			ug/L	0.500		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.321			ug/L	0.500		64.3	30-150			
LCSD (B1L0558-BSD1)					Analyzed: 12/22/2021 02:13						
Aroclor-1016 (PCB-1016)	5.43	1.00	5.00	ug/L	5.00		109	40-150	3.34	20	
Aroclor-1260 (PCB-1260)	3.96	1.00	5.00	ug/L	5.00		79.2	40-150	2.31	20	
Surrogate: Decachlorobiphenyl	0.307			ug/L	0.500		61.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.358			ug/L	0.500		71.6	30-150			



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Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0477 - 3540C					Prepared: 12/20/2021 08:24						
Method Blank (B1L0477-BLK1)					Analyzed: 12/20/2021 13:57						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	27.4			ug/kg wet	50.0		54.8	30-150			
Surrogate: Tetrachloro-m-xylene	20.4			ug/kg wet	50.0		40.7	30-150			



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AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1L0477 - 3540C (Continued)

Prepared: 12/20/2021 08:24

LCS (B1L0477-BS1)

Analyzed: 12/20/2021 13:19

Aroclor-1016 (PCB-1016)	411	20.0	50.0	ug/kg wet	500		82.2	50-150			
Aroclor-1260 (PCB-1260)	373	20.0	50.0	ug/kg wet	500		74.6	50-150			
Surrogate: Decachlorobiphenyl	31.7			ug/kg wet	50.0		63.3	30-150			
Surrogate: Tetrachloro-m-xylene	23.6			ug/kg wet	50.0		47.1	30-150			

LCSD (B1L0477-BSD1)

Analyzed: 12/20/2021 13:38

Aroclor-1016 (PCB-1016)	384	20.0	50.0	ug/kg wet	500		76.8	50-150	6.81	40	
Aroclor-1260 (PCB-1260)	337	20.0	50.0	ug/kg wet	500		67.4	50-150	10.1	40	
Surrogate: Decachlorobiphenyl	28.5			ug/kg wet	50.0		57.0	30-150			
Surrogate: Tetrachloro-m-xylene	26.2			ug/kg wet	50.0		52.4	30-150			

Batch: B1L0530 - 3540C

Prepared: 12/21/2021 08:37

Method Blank (B1L0530-BLK1)

Analyzed: 12/21/2021 19:10

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	25.6			ug/kg wet	50.0		51.2	30-150			
Surrogate: Tetrachloro-m-xylene	22.4			ug/kg wet	50.0		44.8	30-150			



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0530 - 3540C (Continued)					Prepared: 12/21/2021 08:37						
LCS (B1L0530-BS1)					Analyzed: 12/21/2021 18:32						
Aroclor-1016 (PCB-1016)	394	20.0	50.0	ug/kg wet	500		78.8	50-150			
Aroclor-1260 (PCB-1260)	395	20.0	50.0	ug/kg wet	500		79.0	50-150			
Surrogate: Decachlorobiphenyl	29.0			ug/kg wet	50.0		58.0	30-150			
Surrogate: Tetrachloro-m-xylene	29.7			ug/kg wet	50.0		59.3	30-150			
LCSD (B1L0530-BSD1)					Analyzed: 12/21/2021 18:51						
Aroclor-1016 (PCB-1016)	566	20.0	50.0	ug/kg wet	500		113	50-150	35.9	40	
Aroclor-1260 (PCB-1260)	461	20.0	50.0	ug/kg wet	500		92.2	50-150	15.4	40	
Surrogate: Decachlorobiphenyl	30.6			ug/kg wet	50.0		61.2	30-150			
Surrogate: Tetrachloro-m-xylene	26.0			ug/kg wet	50.0		52.1	30-150			



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AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0569 - ASTM-D2216					Prepared: 12/20/2021 11:00						
Method Blank (B1L0569-BLK1)					Analyzed: 12/20/2021 12:00						
Moisture Content	100		0.100	% wt							



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1L0569 - ASTM-D2216 (Continued)

Duplicate (B1L0569-DUP1)

Source: BCL0214-02

Prepared: 12/20/2021 11:00

Analyzed: 12/20/2021 12:00

Moisture Content	8.56		0.100	% wt		11.1			25.8	15	R
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Batch: B1L0570 - ASTM-D2216

Method Blank (B1L0570-BLK1)

Prepared: 12/20/2021 08:00

Analyzed: 12/20/2021 11:30

Moisture Content	100		0.100	% wt							
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Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B1L0570 - ASTM-D2216 (Continued)

Duplicate (B1L0570-DUP1)

Source: BCL0214-16

Prepared: 12/20/2021 08:00

Analyzed: 12/20/2021 11:30

Moisture Content	16.5		0.100	% wt		16.3			<1.00	15	
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Batch: B1L0571 - ASTM-D2216

Method Blank (B1L0571-BLK1)

Prepared: 12/20/2021 08:20

Analyzed: 12/20/2021 11:30

Moisture Content	100		0.100	% wt							
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Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0571 - ASTM-D2216 (Continued)					Prepared: 12/20/2021 08:20						
Duplicate (B1L0571-DUP1)					Analyzed: 12/20/2021 11:30						
Moisture Content	25.5		0.100	% wt		25.2			1.36	15	



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0214
Project Number: 102-ENV-37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 01/07/2022 14:42

Qualifiers and Definitions

Item	Qualifiers
D	Sample was analyzed under dilution due to matrix interference.
DIL	Result for the compound reported from diluted analysis.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
R	The RPD was outside of QC acceptance limits due to possible matrix interference.
S6	Surrogate recovery is outside control limits due to matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BCL0214 Project Number: 102-ENV-37254.11-03 Attention: Eric Nelson Project Name: Bethune Middle School	Site: 155 W 69th St. Los Angeles, CA Reported: 01/07/2022 14:42
------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------

MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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January 06, 2022

AETL Job No: BCL0248 Rev. 01
Received Date: 12/20/2021
Project Number: 102-ENV-T37254.11-03

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (626) 470-2391

Attention: Eric Nelson

Project Name: Bethune Middle School
Site: 155 W 69th Street
Los Angeles, CA 90003

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hossein Shahrokhnia
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: 102-ENV-T37254.11-03
Work Order Number: BCL0248

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0248
Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 3.0 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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COOLER RECEIPT FORM

Client Name: Tetra Tech, Inc.

Project Name:

AETL Job Number: BCLO248

Date Received: 12/20/21 Received by: Arlut T.

Carrier: ☐ AETL Courier ☒ Client ☐ GSL ☐ FedEx ☐ UPS

☐ Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):

Inside temperature of shipping container No 1: 30.4 No 2: , No 3:

Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles,
☐ Metal sleeves, ☐ Others (Specify):

How are samples preserved: ☐ None, ☒ Ice, ☐ Blue Ice, ☐ Dry Ice

☒ None, ☐ HNO₃, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ Na₂S₂O₃,
☐ MeOH, ☐ NaHSO₄

☐ Other (Specify):

	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?	<input checked="" type="checkbox"/>			
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2840 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
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Revised and Reissued
Rev. 01

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0248
Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Results were reported as dry weight.

No analytical non-conformances were encountered.



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Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Samples Received

AETL received the following samples on 12/20/2021 with the following specifications

Client ID	Sample Date
G20-2.5(E)	12/20/2021 14:00
Lab ID	Quantity of Containers
BCL0248-01	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Client ID	Sample Date
F20-2.5(W)	12/20/2021 14:00
Lab ID	Quantity of Containers
BCL0248-02	1

Analysis	Units	TAT
ASTM D2216	% wt	5
EPA 8082	ug/kg	5

Total Number of Samples received: 2



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AETL Job Number: BCL0248
Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Positive Hits Summary

Lab ID	Client ID					Sampled
BCL0248-01	G20-2.5(E)					12/20/2021 14:00
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	8.15		% wt	12/21/2021 12:00	

Lab ID	Client ID					Sampled
BCL0248-02	F20-2.5(W)					12/20/2021 14:00
Method	Analyte	Result	Qualifier	Unit	Analyzed	
ASTM D2216	Moisture Content	10.0		% wt	12/21/2021 12:00	



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AETL Job Number: BCL0248
Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Analytical Results

Client ID: G20-2.5(E)

Lab ID: BCL0248-01 (Soil)

Sampled: 12/20/21 14:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:07	B1L0531	BC	3540C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

142%
62.4%

Acceptance Criteria

30-150
30-150

12/21/21 08:41 12/21/21 11:07 B1L0531 BC 3540C
12/21/21 08:41 12/21/21 11:07 B1L0531 BC 3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.15		1		0.100	% wt	12/21/21 08:00	12/21/21 12:00	B1L0568	EK	ASTM-D2216
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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BCL0248
Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Analytical Results

Client ID: F20-2.5(W)

Lab ID: BCL0248-02 (Soil)

Sampled: 12/20/21 14:00

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Aroclor-1248 (PCB-1248)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
<hr/>										
	Recovery	Acceptance Criteria								
Surrogate: Decachlorobiphenyl	93.8%	30-150				12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C
Surrogate: Tetrachloro-m-xylene	74.1%	30-150				12/21/21 08:41	12/21/21 11:27	B1L0531	BC	3540C

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.0		1		0.100	% wt	12/21/21 08:00	12/21/21 12:00	B1L0568	EK	ASTM-D2216
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AETL Job Number: BCL0248
Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0531 - 3540C					Prepared: 12/21/2021 08:41						
Method Blank (B1L0531-BLK1)					Analyzed: 12/21/2021 10:29						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	36.4			ug/kg wet	50.0		72.7	30-150			
Surrogate: Tetrachloro-m-xylene	44.2			ug/kg wet	50.0		88.4	30-150			



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Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0531 - 3540C (Continued)					Prepared: 12/21/2021 08:41						
LCS (B1L0531-BS1)					Analyzed: 12/21/2021 09:50						
Aroclor-1016 (PCB-1016)	624	20.0	50.0	ug/kg wet	500		125	50-150			
Aroclor-1260 (PCB-1260)	641	20.0	50.0	ug/kg wet	500		128	50-150			
Surrogate: Decachlorobiphenyl	32.0			ug/kg wet	50.0		64.0	30-150			
Surrogate: Tetrachloro-m-xylene	26.8			ug/kg wet	50.0		53.7	30-150			
LCSD (B1L0531-BSD1)					Analyzed: 12/21/2021 10:09						
Aroclor-1016 (PCB-1016)	634	20.0	50.0	ug/kg wet	500		127	50-150	1.59	40	
Aroclor-1260 (PCB-1260)	587	20.0	50.0	ug/kg wet	500		117	50-150	8.76	40	
Surrogate: Decachlorobiphenyl	28.1			ug/kg wet	50.0		56.3	30-150			
Surrogate: Tetrachloro-m-xylene	25.7			ug/kg wet	50.0		51.4	30-150			



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Project Number: 102-ENV-T37254.11-03
Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0568 - ASTM-D2216					Prepared: 12/21/2021 08:00						
Method Blank (B1L0568-BLK1)					Analyzed: 12/21/2021 12:00						
Moisture Content	100		0.100	% wt							



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Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B1L0568 - ASTM-D2216 (Continued)					Prepared: 12/21/2021 08:00						
Duplicate (B1L0568-DUP1)					Analyzed: 12/21/2021 12:00						
Moisture Content	7.85		0.100	% wt		7.82			<1.00	15	



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Attention: Eric Nelson
Project Name: Bethune Middle School

Site: 155 W 69th Street
Los Angeles, CA 90003
Reported: 01/06/2022 15:01

Qualifiers and Definitions

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health



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3475 East Foothill Boulevard	Project Number: 102-ENV-T37254.11-03	Los Angeles, CA 90003
Pasadena, CA 91107	Attention: Eric Nelson	
	Project Name: Bethune Middle School	Reported: 01/06/2022 15:01

nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

May 24, 2022

AETL Job No: BDE0169

Received Date: 05/16/2022

Project Number: 37254-11

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: Bethune Middle School
Site: 155 W. 69th St.
Los Angeles, CA

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Corey Jones
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: 37254-11
Work Order Number: BDE0169

1 Cover Letter 1

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9 Quality Control Results 66

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 2.9 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

CHAIN OF CUSTODY RECORD

No 123917

5/14/2022

Page i of 4

COMPANY	Tetra Tech	PROJECT MANAGER	Mark Feldman
COMPANY ADDRESS		PHONE	
		EMAIL	
PROJECT NAME	Bethune MS	PROJECT #	37254-11
SITE NAME	135 W 6th St, LA	PO #	37254-11
AND ADDRESS			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
F16-1.0	B050169-01	5/14/2022	0910	S	1-3oz	none
F16-3.0	09		0915			
F16-5.0	03		0935			
F16-7.5	04		0935			
F16-7.5-DUP	05		0935			
F16-10.0	06		0940			
E17-1.0	07		0945			
E17-3.0	08		0950			
E17-5.0	09		0955			
E17-7.5	10		1000			
E17-10.0	11		1005			
C17-1.0	12		1015			
C17-3.0	13		1020			
C17-5.0	14		1030			
C17-5.0-DUP	15		1030			

TOTAL NUMBER OF CONTAINERS:		BILLING INFORMATION / SPECIAL INSTRUCTIONS		RELINQUISHED BY SAMPLER: David	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		Signature: [Signature]	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> 2 DAYS RUSH	<input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> 3 DAYS RUSH	<input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/> 4 DAYS RUSH	<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)	Printed Name: [Signature] Date: 5/16/2022	
				RECEIVED BY:	
				Signature: [Signature] Printed Name: [Signature] Date: 5/16/22	

[illegible]

Report date to visit

RELINQUISHED BY
SAMPLER: David R. H. 1.1

BILLING INFORMATION / SPECIAL INSTRUCTIONS

ISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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CHAIN OF CUSTODY RECORD

NO 123918

6/14/2022

Page 2 of 4

COMPANY		PROJECT MANAGER		AETL JOB No.		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
COMPANY ADDRESS		PHONE EMAIL		PROJECT #		PROJECT #			
SITE NAME AND ADDRESS		PO #		PROJECT #		PROJECT #			
Tetra Tech		Mark Feldman		3725V.14				Report data to MDL	
Bellmore MS									
155 W 69th St LA									
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.			
C17-7.5	001-018-16	5/14/2022	1035	S	1-8oz	none			
C17-10.0	17		1040						
A17-1.0	10		1045						
A17-3.0	10		1050						
A17-5.0	20		1110						
A17-7.5	21		1115						
A17-10.0	22		1120						
Y17-1.0	23		1125						
Y17-3.0	24		1130						
Y17-3.0-2AP	25		1130						
Y17-5.0	26		1140						
Y17-7.5	27		1145						
Y17-10.0	28		1150						
X15-1.0	29		1155						
X15-3.0	30		1200						
TOTAL NUMBER OF CONTAINERS:							1.	2.	3.
BILLING INFORMATION / SPECIAL INSTRUCTIONS							RELINQUISHED BY: SIGNATURE:	RELINQUISHED BY: SIGNATURE:	RELINQUISHED BY: SIGNATURE:
SIGNATURE: [Signature]							PRINTED NAME: [Name]	PRINTED NAME: [Name]	PRINTED NAME: [Name]
DATE: 5/16/2022							DATE: 5/16/2022	DATE: 5/16/2022	DATE: 5/16/2022
TIME: 1325							TIME: 1325	TIME: 1325	TIME: 1325
RECEIVED BY: 1.							RECEIVED BY: 2.	RECEIVED BY: 3.	RECEIVED BY: 3.
DATA DELIVERABLE REQUIRED									
TURN AROUND TIME									
NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/>									
2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH <input type="checkbox"/>									
HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/>									
GEOTRACKER (GLOBAL ID) <input type="checkbox"/>									
OTHER (PLEASE SPECIFY) <input type="checkbox"/>									
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator									



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CHAIN OF CUSTODY RECORD

N^o 123919

5/16/2022

AETL JOB No.

BD50169

Page 3 of 4

COMPANY		PROJECT MANAGER	
Tetra Tech		Mark Feldman	
COMPANY ADDRESS		PHONE	
Baltimore MD		PROJECT # 37254.11	
SITE NAME AND ADDRESS		PO #	
155 W 19th St Ct			

ANALYSIS REQUESTED					TEST INSTRUCTIONS & COMMENTS	
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
X15-5.0	BD50169-31	5/14/2022	1205	S	1-8oz	none
X15-7.5	39		1215			
X15-10.0	33		1220			
X13-1.0	34		1225			
X13-10.0	35		1225			
X13-3.0	36		1230			
X13-5.0	37		1235			
X13-7.5	38		1240			
X13-10.0	39		1245			
F13-1.0	40		1255			
F13-3.0	41		1305			
F13-5.0	42		1310			
F13-7.5	43		1315			
F13-10.0	44		1320			
F13-10.0	45		1320			

TOTAL NUMBER OF CONTAINERS:		RELINQUISHED BY:		RELINQUISHED BY:		RELINQUISHED BY:	
1		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]	
Printed Name: David B. [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]	
Date: 5/16/2022 1325		Date: 5/16/22 1520		Date: 5/16/22 1520		Date: 5/16/22 1520	
RECEIVED BY:		RECEIVED BY:		RECEIVED BY:		RECEIVED BY:	
Signature: [Signature]		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]	
Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]	
Date: 5/16/22 1325		Date: 5/16/22 1520		Date: 5/16/22 1520		Date: 5/16/22 1520	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		TURN AROUND TIME		DATA DELIVERABLE REQUIRED	
<input type="checkbox"/> NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH		<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

CHAIN OF CUSTODY RECORD

No 123920

5/14/2022
Page 4 of 4

AETL JOB No.

910708

[illegible]



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COOLER RECEIPT FORM

Client Name: Tetra Tech
Project Name: Bethune Middle School
AETL Job Number: BDE0169
Date Received: 5/16/2022 Received by: Greta
Carrier: ☒ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):

Inside temperature of shipping container No 1: 2.9°C, No 2: , No 3:

Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☒ HDPE bottles,
☐ Metal sleeves, ☐ Others (Specify):

How are samples preserved: ☐ None, ☒ Ice, ☐ Blue Ice, ☐ Dry Ice

☒ None, ☐ HNO₃, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ Na₂S₂O₃,
☐ MeOH, ☐ NaHSO₄

☐ Other (Specify):

	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?			<input checked="" type="checkbox"/>	
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
F16-1.0		05/14/2022 9:10	
Lab ID	Matrix	Quantity of Containers	
BDE0169-01	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F16-3.0		05/14/2022 9:15	
Lab ID	Matrix	Quantity of Containers	
BDE0169-02	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F16-5.0		05/14/2022 9:25	
Lab ID	Matrix	Quantity of Containers	
BDE0169-03	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
E17-1.0		05/14/2022 9:45	
Lab ID	Matrix	Quantity of Containers	
BDE0169-07	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E17-3.0		05/14/2022 9:50	
Lab ID	Matrix	Quantity of Containers	
BDE0169-08	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E17-5.0		05/14/2022 9:55	
Lab ID	Matrix	Quantity of Containers	
BDE0169-09	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
C17-1.0		05/14/2022 10:15	
Lab ID	Matrix	Quantity of Containers	
BDE0169-12	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C17-3.0		05/14/2022 10:20	
Lab ID	Matrix	Quantity of Containers	
BDE0169-13	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C17-5.0		05/14/2022 10:30	
Lab ID	Matrix	Quantity of Containers	
BDE0169-14	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
C17-5.0 Dup		05/14/2022 10:30	
Lab ID	Matrix	Quantity of Containers	
BDE0169-15	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A17-1.0		05/14/2022 10:45	
Lab ID	Matrix	Quantity of Containers	
BDE0169-18	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A17-3.0		05/14/2022 10:50	
Lab ID	Matrix	Quantity of Containers	
BDE0169-19	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
A17-5.0		05/14/2022 11:10	
Lab ID	Matrix	Quantity of Containers	
BDE0169-20	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
Y-17-1.0		05/14/2022 11:25	
Lab ID	Matrix	Quantity of Containers	
BDE0169-23	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
Y-17-3.0		05/14/2022 11:30	
Lab ID	Matrix	Quantity of Containers	
BDE0169-24	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
Y-17-3.0-Dup		05/14/2022 11:30	
Lab ID	Matrix	Quantity of Containers	
BDE0169-25	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
Y-17-5.0		05/14/2022 11:40	
Lab ID	Matrix	Quantity of Containers	
BDE0169-26	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
X15-1.0		05/14/2022 11:55	
Lab ID	Matrix	Quantity of Containers	
BDE0169-29	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
X15-3.0		05/14/2022 12:00	
Lab ID	Matrix	Quantity of Containers	
BDE0169-30	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
X15-5.0		05/14/2022 12:05	
Lab ID	Matrix	Quantity of Containers	
BDE0169-31	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
X13-1.0		05/14/2022 12:25	
Lab ID	Matrix	Quantity of Containers	
BDE0169-34	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
X13-1.0-Dup		05/14/2022 12:25	
Lab ID	Matrix	Quantity of Containers	
BDE0169-35	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
X13-3.0		05/14/2022 12:30	
Lab ID	Matrix	Quantity of Containers	
BDE0169-36	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
X13-5.0		05/14/2022 12:35	
Lab ID	Matrix	Quantity of Containers	
BDE0169-37	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
F13-1.0		05/14/2022 12:55	
Lab ID	Matrix	Quantity of Containers	
BDE0169-40	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F13-1.0-Dup		05/14/2022 12:55	
Lab ID	Matrix	Quantity of Containers	
BDE0169-41	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F13-3.0		05/14/2022 13:05	
Lab ID	Matrix	Quantity of Containers	
BDE0169-42	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
F13-5.0		05/14/2022 13:10	
Lab ID	Matrix	Quantity of Containers	
BDE0169-43	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F11-1.0		05/14/2022 13:25	
Lab ID	Matrix	Quantity of Containers	
BDE0169-46	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F11-3.0		05/14/2022 13:30	
Lab ID	Matrix	Quantity of Containers	
BDE0169-47	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
F11-5.0		05/14/2022 13:35	
Lab ID	Matrix	Quantity of Containers	
BDE0169-48	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F9-1.0		05/14/2022 13:50	
Lab ID	Matrix	Quantity of Containers	
BDE0169-51	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F9-3.0		05/14/2022 13:55	
Lab ID	Matrix	Quantity of Containers	
BDE0169-52	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
F9-3.0-Dup		05/14/2022 13:55	
Lab ID	Matrix	Quantity of Containers	
BDE0169-53	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F9-5.0		05/14/2022 14:00	
Lab ID	Matrix	Quantity of Containers	
BDE0169-54	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
EB-05142022		05/14/2022 14:15	
Lab ID	Matrix	Quantity of Containers	
BDE0169-57	Aqueous	1	
Method	Analyte	Units	TAT
EPA 8082	Polychlorinated Biphenyls (PCBs)	ug/L	5

Total Number of Samples received: 36



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Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Positive Hits Summary

Lab ID	Client ID				Sampled
BDE0169-01	F16-1.0				05/14/2022 09:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	8050	DIL	ug/kg dry	05/20/2022 16:46
EPA 8082	Aroclor-1260 (PCB-1260)	258		ug/kg dry	05/20/2022 16:46
ASTM D2216	Moisture Content	9.67		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	90.3		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-02	F16-3.0				05/14/2022 09:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.14		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	92.9		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-03	F16-5.0				05/14/2022 09:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	4.67		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	95.3		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-07	E17-1.0				05/14/2022 09:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	42200	DIL	ug/kg dry	05/20/2022 17:44
EPA 8082	Aroclor-1260 (PCB-1260)	843		ug/kg dry	05/20/2022 17:44
ASTM D2216	Moisture Content	7.80		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	92.2		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-08	E17-3.0				05/14/2022 09:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.36		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	93.6		% wt	05/23/2022 17:50



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Project Name: Bethune Middle School

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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0169-09	E17-5.0				05/14/2022 09:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	4.33		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	95.7		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-12	C17-1.0				05/14/2022 10:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	2400	DIL	ug/kg dry	05/20/2022 19:01
EPA 8082	Aroclor-1260 (PCB-1260)	104		ug/kg dry	05/20/2022 19:01
ASTM D2216	Moisture Content	11.6		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	88.4		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-13	C17-3.0				05/14/2022 10:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	760		ug/kg dry	05/20/2022 19:20
EPA 8082	Aroclor-1260 (PCB-1260)	63.7		ug/kg dry	05/20/2022 19:20
ASTM D2216	Moisture Content	9.81		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	90.2		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-14	C17-5.0				05/14/2022 10:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.88		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	93.1		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-15	C17-5.0 Dup				05/14/2022 10:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	5.11		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	94.9		% wt	05/23/2022 17:50



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0169-18	A17-1.0				05/14/2022 10:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	36300	DIL	ug/kg dry	05/20/2022 20:18
EPA 8082	Aroclor-1260 (PCB-1260)	655		ug/kg dry	05/20/2022 20:18
ASTM D2216	Moisture Content	7.78		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	92.2		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-19	A17-3.0				05/14/2022 10:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	199		ug/kg dry	05/20/2022 20:37
ASTM D2216	Moisture Content	6.69		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	93.3		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-20	A17-5.0				05/14/2022 11:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	5.92		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	94.1		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-23	Y-17-1.0				05/14/2022 11:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1730	DIL	ug/kg dry	05/20/2022 21:16
EPA 8082	Aroclor-1260 (PCB-1260)	164		ug/kg dry	05/20/2022 21:16
ASTM D2216	Moisture Content	12.5		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	87.5		% wt	05/23/2022 17:50

Lab ID	Client ID				Sampled
BDE0169-24	Y-17-3.0				05/14/2022 11:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.59		% wt	05/23/2022 17:50



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0169-24	Y-17-3.0				05/14/2022 11:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Percent Solids	91.4		% wt	05/23/2022 17:50
Lab ID	Client ID				Sampled
BDE0169-25	Y-17-3.0-Dup				05/14/2022 11:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.27		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	91.7		% wt	05/23/2022 17:50
Lab ID	Client ID				Sampled
BDE0169-26	Y-17-5.0				05/14/2022 11:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.59		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	93.4		% wt	05/23/2022 17:50
Lab ID	Client ID				Sampled
BDE0169-29	X15-1.0				05/14/2022 11:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.61		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	91.4		% wt	05/23/2022 17:50
Lab ID	Client ID				Sampled
BDE0169-30	X15-3.0				05/14/2022 12:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.78		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	93.2		% wt	05/23/2022 17:50
Lab ID	Client ID				Sampled
BDE0169-31	X15-5.0				05/14/2022 12:05
Method	Analyte	Result	Qualifier	Unit	Analyzed



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Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0169-31	X15-5.0				05/14/2022 12:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.71		% wt	05/23/2022 17:50
ASTM D2216	Percent Solids	91.3		% wt	05/23/2022 17:50
Lab ID	Client ID				Sampled
BDE0169-34	X13-1.0				05/14/2022 12:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.43		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	90.6		% wt	05/23/2022 18:18
Lab ID	Client ID				Sampled
BDE0169-35	X13-1.0-Dup				05/14/2022 12:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.33		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	90.7		% wt	05/23/2022 18:18
Lab ID	Client ID				Sampled
BDE0169-36	X13-3.0				05/14/2022 12:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.93		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	91.1		% wt	05/23/2022 18:18
Lab ID	Client ID				Sampled
BDE0169-37	X13-5.0				05/14/2022 12:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.50		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	92.5		% wt	05/23/2022 18:18



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Los Angeles, CA
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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0169-40	F13-1.0				05/14/2022 12:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	233	DIL	ug/kg dry	05/21/2022 10:23
ASTM D2216	Moisture Content	8.62		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	91.4		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-41	F13-1.0-Dup				05/14/2022 12:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.95		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	92.0		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-42	F13-3.0				05/14/2022 13:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	8.07		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	91.9		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-43	F13-5.0				05/14/2022 13:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.76		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	93.2		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-46	F11-1.0				05/14/2022 13:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1920	DIL	ug/kg dry	05/21/2022 11:59
EPA 8082	Aroclor-1260 (PCB-1260)	76.7	DIL, J	ug/kg dry	05/21/2022 11:59
ASTM D2216	Moisture Content	8.18		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	91.8		% wt	05/23/2022 18:18



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0169-47	F11-3.0				05/14/2022 13:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	760		ug/kg dry	05/21/2022 12:18
ASTM D2216	Moisture Content	9.79		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	90.2		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-48	F11-5.0				05/14/2022 13:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	34.0	J	ug/kg dry	05/21/2022 12:37
ASTM D2216	Moisture Content	8.12		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	91.9		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-51	F9-1.0				05/14/2022 13:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	454		ug/kg dry	05/21/2022 12:56
ASTM D2216	Moisture Content	10.1		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	89.9		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-52	F9-3.0				05/14/2022 13:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	173		ug/kg dry	05/21/2022 13:15
ASTM D2216	Moisture Content	12.4		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	87.6		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-53	F9-3.0-Dup				05/14/2022 13:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	174		ug/kg dry	05/21/2022 13:35
ASTM D2216	Moisture Content	12.4		% wt	05/23/2022 18:18



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0169-53	F9-3.0-Dup				05/14/2022 13:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Percent Solids	87.6		% wt	05/23/2022 18:18

Lab ID	Client ID				Sampled
BDE0169-54	F9-5.0				05/14/2022 14:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	10.2		% wt	05/23/2022 18:18
ASTM D2216	Percent Solids	89.8		% wt	05/23/2022 18:18



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Analytical Results**Client ID: F16-1.0****Lab ID: BDE0169-01 (Soil)****Sampled: 05/14/22 9:10**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	8050	DIL	10	200	500	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	258		1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
<hr/>													
	Recovery			Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	77.6%						05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	114%						05/20/22	09:07	05/20/22	16:46	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	9.67		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	90.3		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F16-3.0****Lab ID: BDE0169-02 (Soil)****Sampled: 05/14/22 9:15**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	53.6%				30-150		05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541
Surrogate: Tetrachloro-m-xylene	97.1%				30-150		05/20/22 09:07	05/20/22 17:06	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	7.14		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	92.9		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F16-5.0****Lab ID: BDE0169-03 (Soil)****Sampled: 05/14/22 9:25**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	65.0%				30-150		05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541
Surrogate: Tetrachloro-m-xylene	83.5%				30-150		05/20/22 09:07	05/20/22 17:25	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	4.67		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	95.3		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: E17-1.0****Lab ID: BDE0169-07 (Soil)****Sampled: 05/14/22 9:45**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	42200	DIL	50	1000	2500	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	843		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	54.3%						05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	86.7%						05/20/22 09:07	05/20/22 17:44	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	7.80		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	92.2		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: E17-3.0

Lab ID: BDE0169-08 (Soil)

Sampled: 05/14/22 9:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	54.4%				30-150		05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541
Surrogate: Tetrachloro-m-xylene	97.4%				30-150		05/20/22 09:07	05/20/22 18:03	B2E0363	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.36		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	93.6		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: E17-5.0****Lab ID: BDE0169-09 (Soil)****Sampled: 05/14/22 9:55**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 18:23	B2E0363	BC	3541

Recovery

Surrogate: Decachlorobiphenyl

50.0%

Surrogate: Tetrachloro-m-xylene

86.3%

Acceptance Criteria

30-150

30-150

05/20/22 09:07

05/20/22 09:07

05/20/22 18:23

05/20/22 18:23

B2E0363

B2E0363

BC

BC

3541

3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	4.33		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	95.7		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: C17-1.0****Lab ID: BDE0169-12 (Soil)****Sampled: 05/14/22 10:15**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	2400	DIL	5	100	250	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	104		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:01	B2E0363	BC	3541
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	50.3%				<i>30-150</i>		05/20/22 09:07	<i>05/20/22 19:01</i>	B2E0363	<i>BC</i>	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	96.3%				<i>30-150</i>		05/20/22 09:07	<i>05/20/22 19:01</i>	B2E0363	<i>BC</i>	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	11.6		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	88.4		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: C17-3.0****Lab ID: BDE0169-13 (Soil)****Sampled: 05/14/22 10:20**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
Aroclor-1248 (PCB-1248)	760	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
Aroclor-1260 (PCB-1260)	63.7	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541	
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	Recovery	Acceptance Criteria											
<i>Surrogate: Decachlorobiphenyl</i>	62.4%					30-150	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	75.9%					30-150	05/20/22	09:07	05/20/22	19:20	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	9.81		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	90.2		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: C17-5.0

Lab ID: BDE0169-14 (Soil)

Sampled: 05/14/22 10:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	54.5%				30-150		05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541
Surrogate: Tetrachloro-m-xylene	85.9%				30-150		05/20/22 09:07	05/20/22 19:40	B2E0363	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.88		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	93.1		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: C17-5.0 Dup****Lab ID: BDE0169-15 (Soil)****Sampled: 05/14/22 10:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	50.1%				30-150		05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541
Surrogate: Tetrachloro-m-xylene	91.3%				30-150		05/20/22 09:07	05/20/22 19:59	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	5.11		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	94.9		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: A17-1.0****Lab ID: BDE0169-18 (Soil)****Sampled: 05/14/22 10:45**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	36300	DIL	50	1000	2500	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	655		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	59.6%						05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	136%						05/20/22 09:07	05/20/22 20:18	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	7.78		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	92.2		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: A17-3.0****Lab ID: BDE0169-19 (Soil)****Sampled: 05/14/22 10:50**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	199		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	62.9%				30-150		05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541
Surrogate: Tetrachloro-m-xylene	105%				30-150		05/20/22 09:07	05/20/22 20:37	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	6.69		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	93.3		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: A17-5.0****Lab ID: BDE0169-20 (Soil)****Sampled: 05/14/22 11:10**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	63.3%				30-150		05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541
Surrogate: Tetrachloro-m-xylene	78.1%				30-150		05/20/22 09:07	05/20/22 20:56	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	5.92		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	94.1		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: Y-17-1.0****Lab ID: BDE0169-23 (Soil)****Sampled: 05/14/22 11:25**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
Aroclor-1248 (PCB-1248)	1730	DIL	2	40.0	100	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
Aroclor-1260 (PCB-1260)	164		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
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	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	59.1%						05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	88.4%						05/20/22 09:07	05/20/22 21:16	B2E0363	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.5		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	87.5		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: Y-17-3.0

Lab ID: BDE0169-24 (Soil)

Sampled: 05/14/22 11:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	53.1%				30-150		05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	69.0%				30-150		05/20/22 14:06	05/21/22 06:52	B2E0375	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.59		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	91.4		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: Y-17-3.0-Dup

Lab ID: BDE0169-25 (Soil)

Sampled: 05/14/22 11:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:11	B2E0375	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

46.1%
54.9%

Acceptance Criteria

30-150
30-150

05/20/22 14:06 05/21/22 07:11 B2E0375 BC 3541
05/20/22 14:06 05/21/22 07:11 B2E0375 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.27		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	91.7		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: Y-17-5.0****Lab ID: BDE0169-26 (Soil)****Sampled: 05/14/22 11:40**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	60.5%				30-150		05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	97.4%				30-150		05/20/22 14:06	05/21/22 07:30	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	6.59		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	93.4		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: X15-1.0****Lab ID: BDE0169-29 (Soil)****Sampled: 05/14/22 11:55**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	48.6%				30-150		05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	69.3%				30-150		05/20/22 14:06	05/21/22 07:49	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	8.61		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	91.4		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: X15-3.0****Lab ID: BDE0169-30 (Soil)****Sampled: 05/14/22 12:00**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	53.9%				30-150		05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	364%				30-150		05/20/22 14:06	05/21/22 08:28	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	6.78		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	93.2		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: X15-5.0

Lab ID: BDE0169-31 (Soil)

Sampled: 05/14/22 12:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	62.4%				30-150		05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	76.0%				30-150		05/20/22 14:06	05/21/22 08:47	B2E0375	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.71		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216
Percent Solids	91.3		1		0.100	% wt	05/20/22 08:50	05/23/22 17:50	B2E0395	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: X13-1.0****Lab ID: BDE0169-34 (Soil)****Sampled: 05/14/22 12:25**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	54.1%				30-150		05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	84.7%				30-150		05/20/22 14:06	05/21/22 09:06	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	9.43		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	90.6		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: X13-1.0-Dup****Lab ID: BDE0169-35 (Soil)****Sampled: 05/14/22 12:25**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	63.9%				30-150		05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	103%				30-150		05/20/22 14:06	05/21/22 09:25	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	9.33		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	90.7		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: X13-3.0

Lab ID: BDE0169-36 (Soil)

Sampled: 05/14/22 12:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	62.5%				30-150		05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	86.5%				30-150		05/20/22 14:06	05/21/22 09:44	B2E0375	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.93		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	91.1		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: X13-5.0

Lab ID: BDE0169-37 (Soil)

Sampled: 05/14/22 12:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:03	B2E0375	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

51.6%
73.7%

Acceptance Criteria

30-150
30-150

05/20/22 14:06 05/21/22 10:03 B2E0375 BC 3541
05/20/22 14:06 05/21/22 10:03 B2E0375 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	7.50		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	92.5		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F13-1.0****Lab ID: BDE0169-40 (Soil)****Sampled: 05/14/22 12:55**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	233	DIL	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	58.4%						05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	89.6%						05/20/22 14:06	05/21/22 10:23	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	8.62		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	91.4		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F13-1.0-Dup****Lab ID: BDE0169-41 (Soil)****Sampled: 05/14/22 12:55**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	69.0%				30-150		05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	83.6%				30-150		05/20/22 14:06	05/21/22 10:42	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	7.95		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	92.0		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F13-3.0****Lab ID: BDE0169-42 (Soil)****Sampled: 05/14/22 13:05**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	49.6%				30-150		05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	76.9%				30-150		05/20/22 14:06	05/21/22 11:01	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	8.07		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	91.9		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F13-5.0****Lab ID: BDE0169-43 (Soil)****Sampled: 05/14/22 13:10**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	68.9%				30-150		05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	75.8%				30-150		05/20/22 14:06	05/21/22 11:20	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	6.76		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	93.2		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: F11-1.0

Lab ID: BDE0169-46 (Soil)

Sampled: 05/14/22 13:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	1920	DIL	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	76.7	DIL, J	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND	D	2	40.0	100	ug/kg dry	05/20/22 14:06	05/21/22 11:59	B2E0375	BC	3541
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	102%			<i>30-150</i> 05/20/22 14:0605/21/22 11:59B2E0375BC3541							
<i>Surrogate: Tetrachloro-m-xylene</i>	79.4%			<i>30-150</i> 05/20/22 14:0605/21/22 11:59B2E0375BC3541							

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.18		1	0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	91.8		1	0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F11-3.0****Lab ID: BDE0169-47 (Soil)****Sampled: 05/14/22 13:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	760		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	106%				30-150		05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	64.2%				30-150		05/20/22 14:06	05/21/22 12:18	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	9.79		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	90.2		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F11-5.0****Lab ID: BDE0169-48 (Soil)****Sampled: 05/14/22 13:35**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	34.0	J	1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	45.7%						05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	80.1%						05/20/22 14:06	05/21/22 12:37	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	8.12		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	91.9		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F9-1.0****Lab ID: BDE0169-51 (Soil)****Sampled: 05/14/22 13:50**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	454		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	58.8%				30-150		05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	92.6%				30-150		05/20/22 14:06	05/21/22 12:56	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	10.1		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	89.9		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F9-3.0****Lab ID: BDE0169-52 (Soil)****Sampled: 05/14/22 13:55**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	173		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	50.5%				30-150		05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	80.7%				30-150		05/20/22 14:06	05/21/22 13:15	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.4		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	87.6		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F9-3.0-Dup****Lab ID: BDE0169-53 (Soil)****Sampled: 05/14/22 13:55**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Aroclor-1248 (PCB-1248)	174		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	55.7%				30-150		05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541
Surrogate: Tetrachloro-m-xylene	76.4%				30-150		05/20/22 14:06	05/21/22 13:35	B2E0375	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.4		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	87.6		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results**Client ID: F9-5.0****Lab ID: BDE0169-54 (Soil)****Sampled: 05/14/22 14:00**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	57.9%				30-150		05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541
Surrogate: Tetrachloro-m-xylene	84.5%				30-150		05/20/22 14:22	05/21/22 14:51	B2E0376	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	10.2		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216
Percent Solids	89.8		1		0.100	% wt	05/20/22 09:30	05/23/22 18:18	B2E0397	AW	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Analytical Results

Client ID: EB-05142022

Lab ID: BDE0169-57 (Aqueous)

Sampled: 05/14/22 14:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	0.0770	0.500	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C
Aroclor-1221 (PCB-1221)	ND		1	0.0850	0.500	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C
Aroclor-1232 (PCB-1232)	ND		1	0.160	0.500	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C
Aroclor-1242 (PCB-1242)	ND		1	0.219	0.500	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.227	0.500	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C
Aroclor-1254 (PCB-1254)	ND		1	0.0830	0.500	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C
Aroclor-1260 (PCB-1260)	ND		1	0.108	0.500	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	05/18/22 12:04	05/19/22 13:25	B2E0323	BC	3510C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

71.0%
73.3%

Acceptance Criteria

30-150
30-150

05/18/22 12:04
05/18/22 12:04

05/19/22 13:25
05/19/22 13:25

B2E0323
B2E0323

BC
BC

3510C
3510C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0395 - ASTM-D2216					Prepared: 05/20/2022 08:50						
Method Blank (B2E0395-BLK1)					Analyzed: 05/23/2022 17:50						
Moisture Content	ND		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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Tetra Tech, Inc.
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Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B2E0395 - ASTM-D2216 (Continued)

Duplicate (B2E0395-DUP1)

Source: BDE0169-01

Prepared: 05/20/2022 08:50

Analyzed: 05/23/2022 17:50

Moisture Content	9.82		0.100	% wt		9.67			1.54	15	
Percent Solids	90.2		0.100	% wt		90.3			<1.00	15	

Batch: B2E0397 - ASTM-D2216

Method Blank (B2E0397-BLK1)

Prepared: 05/20/2022 09:30

Analyzed: 05/23/2022 18:18

Moisture Content	ND		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0397 - ASTM-D2216 (Continued)					Prepared: 05/20/2022 09:30						
Duplicate (B2E0397-DUP1)					Analyzed: 05/23/2022 18:18						
Moisture Content	8.72		0.100	% wt		9.43			7.82	15	
Percent Solids	91.3		0.100	% wt		90.6			<1.00	15	



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AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0323 - 3510C					Prepared: 05/18/2022 12:04						
Method Blank (B2E0323-BLK1)					Analyzed: 05/19/2022 12:09						
Aroclor-1016 (PCB-1016)	ND	0.0770	0.500	ug/L							
Aroclor-1221 (PCB-1221)	ND	0.0850	0.500	ug/L							
Aroclor-1232 (PCB-1232)	ND	0.160	0.500	ug/L							
Aroclor-1242 (PCB-1242)	ND	0.219	0.500	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.227	0.500	ug/L							
Aroclor-1254 (PCB-1254)	ND	0.0830	0.500	ug/L							
Aroclor-1260 (PCB-1260)	ND	0.108	0.500	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.263			ug/L	0.500		52.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.362			ug/L	0.500		72.4	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0323 - 3510C (Continued)				Prepared: 05/18/2022 12:04						
LCS (B2E0323-BS1)				Analyzed: 05/19/2022 10:53						
Aroclor-1016 (PCB-1016)	5.13	0.500	ug/L	5.00		103	40-150			
Aroclor-1260 (PCB-1260)	6.13	0.500	ug/L	5.00		123	40-150			
<i>Surrogate: Decachlorobiphenyl</i>				<i>0.500</i>		<i>67.0</i>	<i>30-150</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>				<i>0.500</i>		<i>81.2</i>	<i>30-150</i>			
LCSD (B2E0323-BSD1)				Analyzed: 05/19/2022 11:32						
Aroclor-1016 (PCB-1016)	4.04	0.500	ug/L	5.00		80.7	40-150	23.9	20	R
Aroclor-1260 (PCB-1260)	3.71	0.500	ug/L	5.00		74.3	40-150	49.1	20	R
<i>Surrogate: Decachlorobiphenyl</i>				<i>0.500</i>		<i>47.5</i>	<i>30-150</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>				<i>0.500</i>		<i>71.1</i>	<i>30-150</i>			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0363 - 3541					Prepared: 05/20/2022 09:07						
Method Blank (B2E0363-BLK1)					Analyzed: 05/20/2022 11:17						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	9.66			ug/kg wet	16.7		57.9	30-150			
Surrogate: Tetrachloro-m-xylene	12.3			ug/kg wet	16.7		74.1	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B2E0363 - 3541 (Continued)

Prepared: 05/20/2022 09:07

LCS (B2E0363-BS1)

Analyzed: 05/20/2022 10:38

Aroclor-1016 (PCB-1016)	130	50.0	ug/kg wet	167		78.0	50-150			
Aroclor-1260 (PCB-1260)	170	50.0	ug/kg wet	167		102	50-150			
Surrogate: Decachlorobiphenyl	9.35		ug/kg wet	16.7		56.1	30-150			
Surrogate: Tetrachloro-m-xylene	5.41		ug/kg wet	16.7		32.5	30-150			

LCSD (B2E0363-BSD1)

Analyzed: 05/20/2022 10:57

Aroclor-1016 (PCB-1016)	98.2	50.0	ug/kg wet	167		58.9	50-150	27.9	40	
Aroclor-1260 (PCB-1260)	105	50.0	ug/kg wet	167		62.8	50-150	47.4	40	R
Surrogate: Decachlorobiphenyl	8.39		ug/kg wet	16.7		50.3	30-150			
Surrogate: Tetrachloro-m-xylene	7.08		ug/kg wet	16.7		42.5	30-150			

Batch: B2E0375 - 3541

Prepared: 05/20/2022 14:06

Method Blank (B2E0375-BLK1)

Analyzed: 05/21/2022 06:32

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet						
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet						
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet						
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet						
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet						
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet						
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet						
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet						
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet						
Surrogate: Decachlorobiphenyl	6.01		ug/kg wet	16.7		36.1	30-150			
Surrogate: Tetrachloro-m-xylene	11.8		ug/kg wet	16.7		70.9	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B2E0375 - 3541 (Continued)

Prepared: 05/20/2022 14:06

LCS (B2E0375-BS1)

Analyzed: 05/21/2022 05:54

Aroclor-1016 (PCB-1016)	200	50.0	ug/kg wet	167		120	50-150			
Aroclor-1260 (PCB-1260)	117	50.0	ug/kg wet	167		70.0	50-150			
Surrogate: Decachlorobiphenyl	8.56		ug/kg wet	16.7		51.4	30-150			
Surrogate: Tetrachloro-m-xylene	12.9		ug/kg wet	16.7		77.4	30-150			

LCSD (B2E0375-BSD1)

Analyzed: 05/21/2022 06:13

Aroclor-1016 (PCB-1016)	212	50.0	ug/kg wet	167		127	50-150	5.96	40	
Aroclor-1260 (PCB-1260)	148	50.0	ug/kg wet	167		89.0	50-150	23.9	40	
Surrogate: Decachlorobiphenyl	8.91		ug/kg wet	16.7		53.4	30-150			
Surrogate: Tetrachloro-m-xylene	12.8		ug/kg wet	16.7		76.5	30-150			

Batch: B2E0376 - 3541

Prepared: 05/20/2022 14:22

Method Blank (B2E0376-BLK1)

Analyzed: 05/21/2022 14:32

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet						
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet						
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet						
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet						
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet						
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet						
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet						
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet						
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet						
Surrogate: Decachlorobiphenyl	6.30		ug/kg wet	16.7		37.8	30-150			
Surrogate: Tetrachloro-m-xylene	11.6		ug/kg wet	16.7		69.7	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0169
Project Number: 37254-11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/24/2022 11:59

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0376 - 3541 (Continued)				Prepared: 05/20/2022 14:22						
LCS (B2E0376-BS1)				Analyzed: 05/21/2022 13:54						
Aroclor-1016 (PCB-1016)	207	50.0	ug/kg wet	167		124	50-150			
Aroclor-1260 (PCB-1260)	110	50.0	ug/kg wet	167		65.8	50-150			
Surrogate: Decachlorobiphenyl	8.09		ug/kg wet	16.7		48.6	30-150			
Surrogate: Tetrachloro-m-xylene	13.3		ug/kg wet	16.7		79.5	30-150			
LCSD (B2E0376-BSD1)				Analyzed: 05/21/2022 14:13						
Aroclor-1016 (PCB-1016)	195	50.0	ug/kg wet	167		117	50-150	5.65	40	
Aroclor-1260 (PCB-1260)	128	50.0	ug/kg wet	167		77.1	50-150	15.7	40	
Surrogate: Decachlorobiphenyl	8.54		ug/kg wet	16.7		51.2	30-150			
Surrogate: Tetrachloro-m-xylene	13.2		ug/kg wet	16.7		79.4	30-150			



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Tetra Tech, Inc.	AETL Job Number: BDE0169	Site: 155 W. 69th St.
3475 East Foothill Boulevard	Project Number: 37254-11	Los Angeles, CA
Pasadena, CA 91107	Attention: Mark Feldman	
	Project Name: Bethune Middle School	Reported: 05/24/2022 11:59

Qualifiers and Definitions

Item	Qualifiers
D	Sample was analyzed under dilution due to matrix interference.
DIL	Result for the compound reported from diluted analysis.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
R	The RPD was outside of QC acceptance limits due to possible matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics



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Tetra Tech, Inc.	AETL Job Number:	BDE0169	Site:	155 W. 69th St.
3475 East Foothill Boulevard	Project Number:	37254-11		Los Angeles, CA
Pasadena, CA 91107	Attention:	Mark Feldman		
	Project Name:	Bethune Middle School	Reported:	05/24/2022 11:59

MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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May 25, 2022

AETL Job No: BDE0163

Received Date: 05/16/2022

Project Number: 37254.11

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: Bethune Middle School
Site: 155 W. 69th St.
Los Angeles, CA

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Corey Jones
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: 37254.11
Work Order Number: BDE0163

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 1.6 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD

No. 123921

5/15/2022
 Page 1 of 3

COMPANY		PROJECT MANAGER		AETL JOB No.		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
COMPANY ADDRESS		PHONE EMAIL		PROJECT #		PROJECT #		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		PROJECT #		PROJECT #		PROJECT #		TEST INSTRUCTIONS & COMMENTS	
SITE NAME AND ADDRESS		PO #		PO #		PO #		TEST INSTRUCTIONS & COMMENTS	
Tetra Tech		Mark Feldman		37254.11		37254.11		Report data to MOL	
Belmore MS		155 W 64th St LA							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.			
Y20-10	BDE0163-01	5/15/2022	0730	S	1-802	none	X		
Y20-30	BDE0163-02		0735				X		
Y20-50	BDE0163-03		0740				X		
Y20-75	BDE0163-04		0745						
Y20-10.0	BDE0163-05		0750						
X19-1.0	BDE0163-06		0755				X		
X19-3.0	BDE0163-07		0800				X		
X19-5.0	BDE0163-08		0805				X		
X19-7.5	BDE0163-09		0810						
X19-10.0	BDE0163-10		0815						
X19-10.0-DUP	BDE0163-11		0815						
Y18-1.0	BDE0163-12		0820				X		
Y18-3.0	BDE0163-13		0825				X		
Y18-5.0	BDE0163-14		0830				X		
Y18-7.5	BDE0163-15		0835						
TOTAL NUMBER OF CONTAINERS:				1.		2.		3.	
BILLING INFORMATION / SPECIAL INSTRUCTIONS				1.		2.		3.	
RECEIVED BY: <i>[Signature]</i> Printed Name: David Bateman Date: 5/16/2022 Time: 1325				RECEIVED BY: <i>[Signature]</i> Printed Name: <i>[Signature]</i> Date: 5/16/22 Time: 1520		RECEIVED BY: <i>[Signature]</i> Printed Name: <i>[Signature]</i> Date: 5/16/22 Time: 1530		RECEIVED BY: <i>[Signature]</i> Printed Name: <i>[Signature]</i> Date: 5/16/22 Time: 1530	
TURN AROUND TIME				DATA DELIVERABLE REQUIRED		DATA DELIVERABLE REQUIRED		DATA DELIVERABLE REQUIRED	
<input type="checkbox"/> NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH				<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator									



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CHAIN OF CUSTODY RECORD

Nº 124973

5/15/2022

AETL JOB No. BDE0163

Page 2 of 3

COMPANY: Tetra Tech PROJECT MANAGER: Mark Feldman
 COMPANY ADDRESS: PHONE: EMAIL:
 PROJECT NAME: Balthusa MS PROJECT #: 37254.11
 SITE NAME AND ADDRESS: 155 W 69th St LA PO #:

SAMPLE ID		LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS
1	Y18-10.0	BDE0163-16	5/15/2022	0840	S	1-802	none			Report data to NIE
2	F101-1.0	BDE0163-17		0845						
3	F101-3.0	BDE0163-18		0850						
4	F101-5.0	BDE0163-19		0855						
5	F101-7.5	BDE0163-20		0900						
6	F101-10.0	BDE0163-21		0905						
7	F103-1.0	BDE0163-22		0910						
8	F103-3.0	BDE0163-23		0915						
9	F103-5.0	BDE0163-24		0920						
10	F103-7.5	BDE0163-25		0925						
11	F103-10.0	BDE0163-26		0930						
12	E105-1.0	BDE0163-27		0945						
13	E105-3.0	BDE0163-28		0950						
14	E105-5.0	BDE0163-29		0955						
15		BDE0163-30								
TOTAL NUMBER OF CONTAINERS:								1.	2.	3.
BILLING INFORMATION / SPECIAL INSTRUCTIONS								RELINQUISHED BY: 1. Signature: [Signature] 2. Signature: [Signature] SAMPLED: 5/16/2022 1325 Printed Name: David Beldman RECEIVED BY: 1. Signature: [Signature] 2. Signature: [Signature] Date: 5/16/2022 1325 Printed Name: [Signature] RECEIVED BY: 1. Signature: [Signature] 2. Signature: [Signature] Date: 5/16/2022 1325 Printed Name: [Signature]		
TURN AROUND TIME				DATA DELIVERABLE REQUIRED						
<input type="checkbox"/> NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/> NEXT DAY RUSH <input type="checkbox"/> 2 DAYS RUSH <input type="checkbox"/> 3 DAYS RUSH <input type="checkbox"/> 4 DAYS RUSH				<input type="checkbox"/> HARD COPY <input type="checkbox"/> E-COPY <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)						
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator										



No 124971

5/15/2022
Page 3 of 3

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COOLER RECEIPT FORM

Client Name: <u>Tebra Tech</u>				
Project Name: <u>Bethune MS.</u>				
AETL Job Number: <u>BDF0163</u>				
Date Received: <u>5/16/22</u>		Received by: <u>Adrienne</u>		
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSL <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>3</u>) <input type="checkbox"/> Other (Specify):				
Inside temperature of shipping container No 1: <u>1.6°C</u> No 2: <u>4.8°C</u> No 3: <u>3.8°C, No 4: 2.1°C</u>				
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice				
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄				
<input type="checkbox"/> Other (Specify):				
	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>			
2. Are Sample labels legible & indelible ink?	<input checked="" type="checkbox"/>			
3. Do samples match the COC?	<input checked="" type="checkbox"/>			
4. Are the required analyses clear?	<input checked="" type="checkbox"/>			
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>			
6. Does cooler or samples have custody seal(s)?			<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>			
8. Are samples preserved?			<input checked="" type="checkbox"/>	
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>			
10. Are the VOAs free of headspace?			<input checked="" type="checkbox"/>	
11. Are the jars free of headspace?			<input checked="" type="checkbox"/>	

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

All results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.

Qualifiers are noted in the report.



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Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Samples Received

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
Y20-1.0		05/15/2022 7:30	
Lab ID	Matrix	Quantity of Containers	
BDE0163-01	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
Y20-3.0		05/15/2022 7:35	
Lab ID	Matrix	Quantity of Containers	
BDE0163-02	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
Y20-5.0		05/15/2022 7:40	
Lab ID	Matrix	Quantity of Containers	
BDE0163-03	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Los Angeles, CA
Reported: 05/25/2022 13:43

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
Y20-7.5		05/15/2022 7:45	
Lab ID	Matrix	Quantity of Containers	
BDE0163-04	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
Y20-10.0		05/15/2022 7:50	
Lab ID	Matrix	Quantity of Containers	
BDE0163-05	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
X19-1.0		05/15/2022 7:55	
Lab ID	Matrix	Quantity of Containers	
BDE0163-06	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
X19-3.0		05/15/2022 8:00	
Lab ID	Matrix	Quantity of Containers	
BDE0163-07	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5



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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Samples Received (Continued)

AETL received the following samples on 05/16/2022 with the following specifications

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID X19-5.0			Sample Date 05/15/2022 8:05
Lab ID BDE0163-08	Matrix Soil		Quantity of Containers 1
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID X19-7.5			Sample Date 05/15/2022 8:10
Lab ID BDE0163-09	Matrix Soil		Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 0
Client ID X19-10.0			Sample Date 05/15/2022 8:15
Lab ID BDE0163-10	Matrix Soil		Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 0



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Pasadena, CA 91107

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Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
X19-10.0-DUP		05/15/2022 8:15	
Lab ID	Matrix	Quantity of Containers	
BDE0163-11	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
Y18-1.0		05/15/2022 8:20	
Lab ID	Matrix	Quantity of Containers	
BDE0163-12	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
Y18-3.0		05/15/2022 8:25	
Lab ID	Matrix	Quantity of Containers	
BDE0163-13	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
Y18-5.0		05/15/2022 8:30	
Lab ID	Matrix	Quantity of Containers	
BDE0163-14	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
Y18-7.5		05/15/2022 8:35	
Lab ID	Matrix	Quantity of Containers	
BDE0163-15	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
Y18-10.0		05/15/2022 8:40	
Lab ID	Matrix	Quantity of Containers	
BDE0163-16	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
F101-1.0		05/15/2022 8:45	
Lab ID	Matrix	Quantity of Containers	
BDE0163-17	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5



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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Samples Received (Continued)

AETL received the following samples on 05/16/2022 with the following specifications

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID F101-3.0			Sample Date 05/15/2022 8:50
Lab ID BDE0163-18	Matrix Soil		Quantity of Containers 1
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID F101-5.0			Sample Date 05/15/2022 8:55
Lab ID BDE0163-19	Matrix Soil		Quantity of Containers 1
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID F101-7.5			Sample Date 05/15/2022 9:00
Lab ID BDE0163-20	Matrix Soil		Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 0



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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
F101-10.0		05/15/2022 9:05	
Lab ID	Matrix	Quantity of Containers	
BDE0163-21	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F103-1.0		05/15/2022 9:10	
Lab ID	Matrix	Quantity of Containers	
BDE0163-22	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F103-3.0		05/15/2022 9:15	
Lab ID	Matrix	Quantity of Containers	
BDE0163-23	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Attention: Mark Feldman
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Site: 155 W. 69th St.
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Reported: 05/25/2022 13:43

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
F103-5.0		05/15/2022 9:20	
Lab ID	Matrix	Quantity of Containers	
BDE0163-24	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F103-5.0-DUP		05/15/2022 9:20	
Lab ID	Matrix	Quantity of Containers	
BDE0163-25	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
F103-7.5		05/15/2022 9:25	
Lab ID	Matrix	Quantity of Containers	
BDE0163-26	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
F103-10.0		05/15/2022 9:30	
Lab ID	Matrix	Quantity of Containers	
BDE0163-27	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0



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Site: 155 W. 69th St.
Los Angeles, CA
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Samples Received (Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
E105-1.0		05/15/2022 9:45	
Lab ID	Matrix	Quantity of Containers	
BDE0163-28	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E105-3.0		05/15/2022 9:50	
Lab ID	Matrix	Quantity of Containers	
BDE0163-29	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E105-5.0		05/15/2022 9:55	
Lab ID	Matrix	Quantity of Containers	
BDE0163-30	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID		Sample Date	
E105-7.5		05/15/2022 10:00	
Lab ID	Matrix	Quantity of Containers	
BDE0163-31	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
E105-10.0		05/15/2022 10:05	
Lab ID	Matrix	Quantity of Containers	
BDE0163-32	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
A105-1.0		05/15/2022 10:30	
Lab ID	Matrix	Quantity of Containers	
BDE0163-33	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A105-3.0		05/15/2022 10:35	
Lab ID	Matrix	Quantity of Containers	
BDE0163-34	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5



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Los Angeles, CA
Reported: 05/25/2022 13:43

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID A105-5.0			Sample Date 05/15/2022 10:40
Lab ID BDE0163-35	Matrix Soil		Quantity of Containers 1
Method ASTM D2216	Analyte Moisture Content	Units % wt	TAT 5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID A105-7.5			Sample Date 05/15/2022 10:45
Lab ID BDE0163-36	Matrix Soil		Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 0
Client ID A105-7.5-DUP			Sample Date 05/15/2022 10:45
Lab ID BDE0163-37	Matrix Soil		Quantity of Containers 1
Method Archive	Analyte Sample On Hold	Units N/A	TAT 0



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Tetra Tech, Inc.

3475 East Foothill Boulevard

Pasadena, CA 91107

AETL Job Number: BDE0163

Project Number: 37254.11

Attention: Mark Feldman

Project Name: Bethune Middle School

Site: 155 W. 69th St.

Los Angeles, CA

Reported: 05/25/2022 13:43

Samples Received

(Continued)

AETL received the following samples on 05/16/2022 with the following specifications

Client ID A105-10.0		Sample Date 05/15/2022 10:50	
Lab ID BDE0163-38	Matrix Soil	Quantity of Containers 1	
Method Archive	Analyte Sample On Hold	Units N/A	TAT 0
Client ID EB-05152022		Sample Date 05/15/2022 11:10	
Lab ID BDE0163-39	Matrix Aqueous	Quantity of Containers 1	
Method EPA 8082	Analyte Polychlorinated Biphenyls (PCBs)	Units ug/L	TAT 5

Total Number of Samples received: 39



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Positive Hits Summary

Lab ID	Client ID				Sampled
BDE0163-01	Y20-1.0				05/15/2022 07:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	291		ug/kg dry	05/20/2022 05:05
EPA 8082	Aroclor-1260 (PCB-1260)	21.6	J	ug/kg dry	05/20/2022 05:05
ASTM D2216	Moisture Content	5.73		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	94.3		% wt	05/24/2022 16:09
Lab ID	Client ID				Sampled
BDE0163-02	Y20-3.0				05/15/2022 07:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	5.54		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	94.4		% wt	05/24/2022 16:09
Lab ID	Client ID				Sampled
BDE0163-03	Y20-5.0				05/15/2022 07:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.41		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	90.6		% wt	05/24/2022 16:09
Lab ID	Client ID				Sampled
BDE0163-06	X19-1.0				05/15/2022 07:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	9.57		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	90.4		% wt	05/24/2022 16:09
Lab ID	Client ID				Sampled
BDE0163-07	X19-3.0				05/15/2022 08:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	5.86		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	94.1		% wt	05/24/2022 16:09



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0163-08	X19-5.0				05/15/2022 08:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.77		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	93.2		% wt	05/24/2022 16:09

Lab ID	Client ID				Sampled
BDE0163-12	Y18-1.0				05/15/2022 08:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	243		ug/kg dry	05/21/2022 00:09
ASTM D2216	Moisture Content	10.5		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	89.5		% wt	05/24/2022 16:09

Lab ID	Client ID				Sampled
BDE0163-13	Y18-3.0				05/15/2022 08:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	44.7	J	ug/kg dry	05/21/2022 00:28
ASTM D2216	Moisture Content	10.3		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	89.7		% wt	05/24/2022 16:09

Lab ID	Client ID				Sampled
BDE0163-14	Y18-5.0				05/15/2022 08:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	7.52		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	92.5		% wt	05/24/2022 16:09

Lab ID	Client ID				Sampled
BDE0163-17	F101-1.0				05/15/2022 08:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1620	DIL	ug/kg dry	05/21/2022 01:06
EPA 8082	Aroclor-1260 (PCB-1260)	96.0		ug/kg dry	05/21/2022 01:06
ASTM D2216	Moisture Content	8.34		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	91.6		% wt	05/24/2022 16:09



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Tetra Tech, Inc.
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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0163-18	F101-3.0				05/15/2022 08:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.0		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	88.0		% wt	05/24/2022 16:09

Lab ID	Client ID				Sampled
BDE0163-19	F101-5.0				05/15/2022 08:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.9		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	87.1		% wt	05/24/2022 16:09

Lab ID	Client ID				Sampled
BDE0163-21	F101-10.0				05/15/2022 09:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	6.61		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	93.4		% wt	05/24/2022 16:09

Lab ID	Client ID				Sampled
BDE0163-22	F103-1.0				05/15/2022 09:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1700	DIL	ug/kg dry	05/21/2022 02:42
EPA 8082	Aroclor-1260 (PCB-1260)	66.3		ug/kg dry	05/21/2022 02:42
ASTM D2216	Moisture Content	2.81		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	97.2		% wt	05/24/2022 16:09

Lab ID	Client ID				Sampled
BDE0163-23	F103-3.0				05/15/2022 09:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	13.2		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	86.8		% wt	05/24/2022 16:09



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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0163-24	F103-5.0				05/15/2022 09:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.4		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	84.6		% wt	05/24/2022 16:09
Lab ID	Client ID				Sampled
BDE0163-28	E105-1.0				05/15/2022 09:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	124		ug/kg dry	05/21/2022 03:40
ASTM D2216	Moisture Content	11.3		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	88.7		% wt	05/24/2022 16:09
Lab ID	Client ID				Sampled
BDE0163-29	E105-3.0				05/15/2022 09:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.9		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	88.1		% wt	05/24/2022 16:09
Lab ID	Client ID				Sampled
BDE0163-30	E105-5.0				05/15/2022 09:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.4		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	87.6		% wt	05/24/2022 16:09
Lab ID	Client ID				Sampled
BDE0163-33	A105-1.0				05/15/2022 10:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	116		ug/kg dry	05/21/2022 04:56
EPA 8082	Aroclor-1260 (PCB-1260)	39.1	J	ug/kg dry	05/21/2022 04:56
ASTM D2216	Moisture Content	10.3		% wt	05/24/2022 16:09
ASTM D2216	Percent Solids	89.7		% wt	05/24/2022 16:09



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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BDE0163-34	A105-3.0				05/15/2022 10:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.6		% wt	05/24/2022 16:13
ASTM D2216	Percent Solids	87.4		% wt	05/24/2022 16:13

Lab ID	Client ID				Sampled
BDE0163-35	A105-5.0				05/15/2022 10:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.6		% wt	05/24/2022 16:13
ASTM D2216	Percent Solids	88.4		% wt	05/24/2022 16:13



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: Y20-1.0****Lab ID: BDE0163-01 (Soil)****Sampled: 05/15/22 7:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Aroclor-1254 (PCB-1254)	291		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Aroclor-1260 (PCB-1260)	21.6	J	1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	35.8%					30-150	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541
Surrogate: Tetrachloro-m-xylene	38.1%					30-150	05/19/22 14:22	05/20/22 05:05	B2E0359	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	5.73		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	94.3		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: Y20-3.0****Lab ID: BDE0163-02 (Soil)****Sampled: 05/15/22 7:35**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	56.5%				30-150		05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541
Surrogate: Tetrachloro-m-xylene	60.7%				30-150		05/19/22 14:22	05/20/22 05:24	B2E0359	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	5.54		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	94.4		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: Y20-5.0****Lab ID: BDE0163-03 (Soil)****Sampled: 05/15/22 7:40**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	53.8%				30-150		05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	75.1%				30-150		05/20/22 13:28	05/20/22 22:52	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	9.41		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	90.6		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: X19-1.0****Lab ID: BDE0163-06 (Soil)****Sampled: 05/15/22 7:55**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	86.6%				30-150		05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	71.1%				30-150		05/20/22 13:28	05/20/22 23:11	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	9.57		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	90.4		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: X19-3.0****Lab ID: BDE0163-07 (Soil)****Sampled: 05/15/22 8:00**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	55.4%				30-150		05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	101%				30-150		05/20/22 13:28	05/20/22 23:30	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	5.86		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	94.1		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: X19-5.0****Lab ID: BDE0163-08 (Soil)****Sampled: 05/15/22 8:05**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	74.9%				30-150		05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	86.6%				30-150		05/20/22 13:28	05/20/22 23:49	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	6.77		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	93.2		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results

Client ID: Y18-1.0

Lab ID: BDE0163-12 (Soil)

Sampled: 05/15/22 8:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	243		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
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				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	54.2%				30-150		05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	97.5%				30-150		05/20/22 13:28	05/21/22 00:09	B2E0374	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.5		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	89.5		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results

Client ID: Y18-3.0

Lab ID: BDE0163-13 (Soil)

Sampled: 05/15/22 8:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	44.7	J	1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	70.2%						05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	79.8%						05/20/22 13:28	05/21/22 00:28	B2E0374	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.3		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	89.7		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: Y18-5.0****Lab ID: BDE0163-14 (Soil)****Sampled: 05/15/22 8:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	55.7%				30-150		05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	71.0%				30-150		05/20/22 13:28	05/21/22 00:47	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	7.52		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	92.5		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BDE0163 Project Number: 37254.11 Attention: Mark Feldman Project Name: Bethune Middle School	Site: 155 W. 69th St. Los Angeles, CA Reported: 05/25/2022 13:43
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Analytical Results

Client ID: F101-1.0

Lab ID: BDE0163-17 (Soil)

Sampled: 05/15/22 8:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	1620	DIL	5	100	250	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	96.0		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	52.0%						05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	72.2%						05/20/22 13:28	05/21/22 01:06	B2E0374	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.34		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	91.6		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: F101-3.0****Lab ID: BDE0163-18 (Soil)****Sampled: 05/15/22 8:50**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	39.7%				30-150		05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	43.5%				30-150		05/20/22 13:28	05/21/22 01:25	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.0		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	88.0		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results

Client ID: F101-5.0

Lab ID: BDE0163-19 (Soil)

Sampled: 05/15/22 8:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:04	B2E0374	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

46.8%
70.3%

Acceptance Criteria

30-150
30-150

05/20/22 13:28 05/21/22 02:04 B2E0374 BC 3541
05/20/22 13:28 05/21/22 02:04 B2E0374 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.9		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	87.1		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: F101-10.0****Lab ID: BDE0163-21 (Soil)****Sampled: 05/15/22 9:05**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	47.4%				30-150		05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	70.5%				30-150		05/20/22 13:28	05/21/22 02:23	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	6.61		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	93.4		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: F103-1.0****Lab ID: BDE0163-22 (Soil)****Sampled: 05/15/22 9:10**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	1700	DIL	5	100	250	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	66.3		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	47.7%						05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	65.7%						05/20/22 13:28	05/21/22 02:42	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	2.81		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	97.2		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results

Client ID: F103-3.0

Lab ID: BDE0163-23 (Soil)

Sampled: 05/15/22 9:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	68.4%				30-150		05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	71.1%				30-150		05/20/22 13:28	05/21/22 03:01	B2E0374	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.2		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	86.8		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: F103-5.0****Lab ID: BDE0163-24 (Soil)****Sampled: 05/15/22 9:20**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	58.6%				30-150		05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	66.1%				30-150		05/20/22 13:28	05/21/22 03:20	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	15.4		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	84.6		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: E105-1.0****Lab ID: BDE0163-28 (Soil)****Sampled: 05/15/22 9:45**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	124		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	56.2%				30-150		05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	91.2%				30-150		05/20/22 13:28	05/21/22 03:40	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	11.3		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	88.7		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: E105-3.0****Lab ID: BDE0163-29 (Soil)****Sampled: 05/15/22 9:50**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	42.8%				30-150		05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	66.8%				30-150		05/20/22 13:28	05/21/22 03:59	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	11.9		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	88.1		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results

Client ID: E105-5.0

Lab ID: BDE0163-30 (Soil)

Sampled: 05/15/22 9:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:18	B2E0374	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

40.0%
61.0%

Acceptance Criteria

30-150
30-150

05/20/22 13:28
05/20/22 13:28

05/21/22 04:18
05/21/22 04:18

B2E0374
B2E0374

BC
BC

3541
3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.4		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	87.6		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: A105-1.0****Lab ID: BDE0163-33 (Soil)****Sampled: 05/15/22 10:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	116		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	39.1	J	1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
<hr/>											
	Recovery				Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	52.5%						05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	67.7%						05/20/22 13:28	05/21/22 04:56	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	10.3		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216
Percent Solids	89.7		1		0.100	% wt	05/18/22 12:23	05/24/22 16:09	B2E0326	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: A105-3.0****Lab ID: BDE0163-34 (Soil)****Sampled: 05/15/22 10:35**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	58.1%				30-150		05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	75.4%				30-150		05/20/22 13:28	05/21/22 05:16	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.6		1		0.100	% wt	05/18/22 12:23	05/24/22 16:13	B2E0327	LM	ASTM-D2216
Percent Solids	87.4		1		0.100	% wt	05/18/22 12:23	05/24/22 16:13	B2E0327	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results**Client ID: A105-5.0****Lab ID: BDE0163-35 (Soil)****Sampled: 05/15/22 10:40**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	44.3%				30-150		05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541
Surrogate: Tetrachloro-m-xylene	71.4%				30-150		05/20/22 13:28	05/21/22 05:35	B2E0374	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	11.6		1		0.100	% wt	05/18/22 12:23	05/24/22 16:13	B2E0327	LM	ASTM-D2216
Percent Solids	88.4		1		0.100	% wt	05/18/22 12:23	05/24/22 16:13	B2E0327	LM	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Analytical Results

Client ID: EB-05152022

Lab ID: BDE0163-39 (Aqueous)

Sampled: 05/15/22 11:10

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	0.0770	0.500	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C
Aroclor-1221 (PCB-1221)	ND		1	0.0850	0.500	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C
Aroclor-1232 (PCB-1232)	ND		1	0.160	0.500	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C
Aroclor-1242 (PCB-1242)	ND		1	0.219	0.500	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.227	0.500	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C
Aroclor-1254 (PCB-1254)	ND		1	0.0830	0.500	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C
Aroclor-1260 (PCB-1260)	ND		1	0.108	0.500	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	05/18/22 12:04	05/19/22 13:06	B2E0323	BC	3510C

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

50.2%
72.5%

Acceptance Criteria

30-150
30-150

05/18/22 12:04
05/18/22 12:04

05/19/22 13:06
05/19/22 13:06

B2E0323
B2E0323

BC
BC

3510C
3510C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0326 - ASTM-D2216					Prepared: 05/18/2022 12:23						
Method Blank (B2E0326-BLK1)					Analyzed: 05/24/2022 16:09						
Moisture Content	ND		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B2E0326 - ASTM-D2216 (Continued)

Duplicate (B2E0326-DUP1)

Source: BDE0163-01

Prepared: 05/18/2022 12:23

Analyzed: 05/24/2022 16:09

Moisture Content	5.78		0.100	% wt		5.73			<1.00	15	
Percent Solids	94.2		0.100	% wt		94.3			<1.00	15	

Batch: B2E0327 - ASTM-D2216

Method Blank (B2E0327-BLK1)

Prepared: 05/18/2022 12:23

Analyzed: 05/24/2022 16:13

Moisture Content	ND		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0327 - ASTM-D2216 (Continued)					Prepared: 05/18/2022 12:23						
Duplicate (B2E0327-DUP1)					Analyzed: 05/24/2022 16:13						
Moisture Content	12.8		0.100	% wt		12.6			1.26	15	
Percent Solids	87.2		0.100	% wt		87.4			<1.00	15	



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Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0323 - 3510C					Prepared: 05/18/2022 12:04						
Method Blank (B2E0323-BLK1)					Analyzed: 05/19/2022 12:09						
Aroclor-1016 (PCB-1016)	ND	0.0770	0.500	ug/L							
Aroclor-1221 (PCB-1221)	ND	0.0850	0.500	ug/L							
Aroclor-1232 (PCB-1232)	ND	0.160	0.500	ug/L							
Aroclor-1242 (PCB-1242)	ND	0.219	0.500	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.227	0.500	ug/L							
Aroclor-1254 (PCB-1254)	ND	0.0830	0.500	ug/L							
Aroclor-1260 (PCB-1260)	ND	0.108	0.500	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	0.263			ug/L	0.500		52.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.362			ug/L	0.500		72.4	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0323 - 3510C (Continued)				Prepared: 05/18/2022 12:04						
LCS (B2E0323-BS1)				Analyzed: 05/19/2022 10:53						
Aroclor-1016 (PCB-1016)	5.13	0.500	ug/L	5.00		103	40-150			
Aroclor-1260 (PCB-1260)	6.13	0.500	ug/L	5.00		123	40-150			
Surrogate: Decachlorobiphenyl	0.335		ug/L	0.500		67.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.406		ug/L	0.500		81.2	30-150			
LCSD (B2E0323-BSD1)				Analyzed: 05/19/2022 11:32						
Aroclor-1016 (PCB-1016)	4.04	0.500	ug/L	5.00		80.7	40-150	23.9	20	R
Aroclor-1260 (PCB-1260)	3.71	0.500	ug/L	5.00		74.3	40-150	49.1	20	R
Surrogate: Decachlorobiphenyl	0.238		ug/L	0.500		47.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.356		ug/L	0.500		71.1	30-150			



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0359 - 3541					Prepared: 05/19/2022 14:22						
Method Blank (B2E0359-BLK1)					Analyzed: 05/19/2022 22:40						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	11.8			ug/kg wet	16.7		70.9	30-150			
Surrogate: Tetrachloro-m-xylene	5.40			ug/kg wet	16.7		32.4	30-150			



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Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

Batch: B2E0359 - 3541 (Continued)

Prepared: 05/19/2022 14:22

LCS (B2E0359-BS1)

Analyzed: 05/19/2022 22:02

Aroclor-1016 (PCB-1016)	128	50.0	ug/kg wet	167		77.1	50-150			
Aroclor-1260 (PCB-1260)	146	50.0	ug/kg wet	167		87.5	50-150			
Surrogate: Decachlorobiphenyl	9.84		ug/kg wet	16.7		59.1	30-150			
Surrogate: Tetrachloro-m-xylene	5.40		ug/kg wet	16.7		32.4	30-150			

LCSD (B2E0359-BSD1)

Analyzed: 05/19/2022 22:21

Aroclor-1016 (PCB-1016)	119	50.0	ug/kg wet	167		71.4	50-150	7.61	40	
Aroclor-1260 (PCB-1260)	114	50.0	ug/kg wet	167		68.5	50-150	24.4	40	
Surrogate: Decachlorobiphenyl	9.38		ug/kg wet	16.7		56.3	30-150			
Surrogate: Tetrachloro-m-xylene	5.34		ug/kg wet	16.7		32.0	30-150			

Batch: B2E0374 - 3541

Prepared: 05/20/2022 13:28

Method Blank (B2E0374-BLK1)

Analyzed: 05/20/2022 22:33

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet						
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet						
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet						
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet						
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet						
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet						
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet						
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet						
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet						
Surrogate: Decachlorobiphenyl	9.04		ug/kg wet	16.7		54.3	30-150			
Surrogate: Tetrachloro-m-xylene	5.78		ug/kg wet	16.7		34.7	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BDE0163
Project Number: 37254.11
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/25/2022 13:43

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B2E0374 - 3541 (Continued)				Prepared: 05/20/2022 13:28						
LCS (B2E0374-BS1)				Analyzed: 05/20/2022 21:35						
Aroclor-1016 (PCB-1016)	116	50.0	ug/kg wet	167		69.9	50-150			
Aroclor-1260 (PCB-1260)	149	50.0	ug/kg wet	167		89.6	50-150			
Surrogate: Decachlorobiphenyl	8.60		ug/kg wet	16.7		51.6	30-150			
Surrogate: Tetrachloro-m-xylene	4.45		ug/kg wet	16.7		26.7	30-150			S6
LCSD (B2E0374-BSD1)				Analyzed: 05/20/2022 21:54						
Aroclor-1016 (PCB-1016)	135	50.0	ug/kg wet	167		81.3	50-150	15.1	40	
Aroclor-1260 (PCB-1260)	118	50.0	ug/kg wet	167		71.0	50-150	23.1	40	
Surrogate: Decachlorobiphenyl	7.72		ug/kg wet	16.7		46.3	30-150			
Surrogate: Tetrachloro-m-xylene	5.91		ug/kg wet	16.7		35.5	30-150			



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Tetra Tech, Inc.	AETL Job Number: BDE0163	Site: 155 W. 69th St.
3475 East Foothill Boulevard	Project Number: 37254.11	Los Angeles, CA
Pasadena, CA 91107	Attention: Mark Feldman	
	Project Name: Bethune Middle School	Reported: 05/25/2022 13:43

Qualifiers and Definitions

Item	Qualifiers
DIL	Result for the compound reported from diluted analysis.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
R	The RPD was outside of QC acceptance limits due to possible matrix interference.
S6	Surrogate recovery is outside control limits due to matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics



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Tetra Tech, Inc.	AETL Job Number:	BDE0163	Site:	155 W. 69th St.
3475 East Foothill Boulevard	Project Number:	37254.11		Los Angeles, CA
Pasadena, CA 91107	Attention:	Mark Feldman		
	Project Name:	Bethune Middle School	Reported:	05/25/2022 13:43

MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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April 13, 2023

AETL Job No: BED0015

Received Date: 04/05/2023

Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: Bethune Middle School
Site: 155 W 69th St.
Los Angeles. CA

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Lily Natanian
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: [none]
Work Order Number: BED0015

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 5.8 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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CHAIN OF CUSTODY RECORD

No 125942

COMPANY TetraTech, Inc.		PROJECT MANAGER Mark Feldman		AETL JOB No. BE00015		Page 1 of 3	
COMPANY ADDRESS 3475 E Foothill Blvd. Pasadena, CA		PHONE (909) 289-3343		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME Bethune Middle School		EMAIL mark.feldman@tetratech.com		PROJECT #			
SITE NAME AND ADDRESS 155 W. 69th Los Angeles		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
NW-S-1	BE00015-01	4/5/23	0845	soil	1-4oz		
NW-S-3	-02		0850		1-4oz		
NW-S-5	-03		0855		1-4oz		
NW-10-1	-04		0900		1-4oz		
NW-10-3	-05		0905		1-4oz		
NW-10-5	-06		0910		1-4oz		
NW-9-1	-07		0935		1-4oz		
NW-9-1D	-08		0935		1-4oz		
NW-9-3	-09		0940		1-4oz		
NW-9-5	-10		0945		1-4oz		
NW-4-1	-11		1025		1-4oz		
NW-4-3	-12		1030		1-4oz		
NW-4-5	-13		1035		1-4oz		
EB04052023	-14		1250	water	1-1L		
TOTAL NUMBER OF CONTAINERS:				RELINQUISHED BY SAMPLER:		RELINQUISHED BY:	
BILLING INFORMATION / SPECIAL INSTRUCTIONS				Signature: B. Feldman		Signature:	
				Printed Name: Bethune Middle School		Printed Name:	
				Date: 4/5/23		Date:	
TURN AROUND TIME				RECEIVED BY:		RECEIVED BY:	
DATA DELIVERABLE REQUIRED				Signature:		Signature:	
				Printed Name:		Printed Name:	
				Date:		Date:	
TRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator				Time:		Time:	

CHAIN OF CUSTODY RECORD

DATE: 4/5/23

PAGE: 2 OF 3

~~CalScience~~

~~2041 Bow Avenue, Suite 400, Tucker, GA 30070-7244 • (770) 805 5404~~

LABORATORY CLIENT: Tetra Tech, Inc.		CLIENT PROJECT NAME/NUMBER: Bethune Middle School		P.O. NO.:					
ADDRESS: 3475 E. Foothill Blvd.		PROJECT CONTACT: Mark Feldman (909) 289-3343		SAMPLER(S): (PRINT) B: 11A 11B 11C 11D 11E 11F 11G 11H 11I 11J 11K 11L 11M 11N 11O 11P 11Q 11R 11S 11T 11U 11V 11W 11X 11Y 11Z					
CITY: Pasadena		STATE: CA		ZIP: 91107					
TEL: (909) 289-3343		E-MAIL: mark.feldman@tetratech.com		REQUESTED ANALYSES					
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):									
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> STANDARD		LOG CODE:							
<input type="checkbox"/> COELT EDF		GLOBAL ID:							
SPECIAL INSTRUCTIONS:									
LAB USE ONLY	SAMPLE ID	AETL SMLP ID	DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Field Filtered	Preserved	Unpreserved
	NW-1-1	150015-15	4/5/23	1220	soil	1			
	NW-1-3	150015-16		1225		1			
	NW-1-5	150015-17		1230		1			
	NW-1-5D	150015-18		1230		1			
	NW-6-1	150015-19		1205		1			
	NW-6-3	150015-20		1210		1			
	NW-6-5	150015-21		1215		1			
	NW-3-1	150015-22		1105		1			
	NW-3-3	150015-23		1110		1			
	NW-3-5	150015-24		1115		1			
Relinquished by: (Signature) Bill A...						Received by: (Signature/Affiliation) Mark Feldman			
Relinquished by: (Signature)						Received by: (Signature/Affiliation) Mark Feldman			
Relinquished by: (Signature)						Received by: (Signature/Affiliation) Mark Feldman			



AETL JOB# BED0015

CHAIN OF CUSTODY RECORD

DATE: 4/5/23

Calscience

PAGE: 3 OF 3

2841 Dow Avenue, Suite 100, Tustin, CA 92780-7211 • (714) 895-5494

LABORATORY CLIENT:		CLIENT PROJECT NAME / NUMBER:		P.O. NO.:	
ADDRESS: Tetra Tech, Inc. 3475 E. Foothill Blvd. Pasadena		PROJECT CONTACT: Bethune Middle School Mark Feldman		SAMPLER(S): (PRINT) Bill Albritten	
CITY:		STATE:		ZIP:	
TEL:		E-MAIL:		TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):	
(909) 289-3343		mark.feldman@tetratech.com		CA 91107	
<input type="checkbox"/> SAME DAY <input type="checkbox"/> COELT EDF		<input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS STANDARD		LOG CODE:	
SPECIAL INSTRUCTIONS:		EOI PROJECT NO.: GLOBAL ID:			
LAB USE ONLY	SAMPLE ID	DATE	SAMPLING TIME	MATRIX	NO. OF CONT.
	NW-2-1	4/5/23	1130	soil	1
	NW-2-3	4/5/23	1135		1
	NW-2-3D	4/5/23	1135		1
	NW-2-5	4/5/23	1140		1
	NW-7-1	4/5/23	1145		1
	NW-7-3	4/5/23	1150		1
	NW-7-5	4/5/23	1155		1
	NW-8-1	4/5/23	1035		1
	NW-8-3	4/5/23	1040		1
	NW-8-5	4/5/23	1045		1
Relinquished by: (Signature) Bill Al		Received by: (Signature/Affiliation) AETL Job# BED0015		Date: 4/5/23	
Relinquished by: (Signature)		Received by: (Signature/Affiliation)		Date: 4/5/23	
Relinquished by: (Signature)		Received by: (Signature/Affiliation)		Date: 4/5/23	



COOLER RECEIPT FORM

Client Name: Tetra Tech, Inc.				
Project Name: Bethune Middle School			Project No.:	
AETL Job Number: BED0015				
Date Received: 04-05-2023		Received by: Greta G.		
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSL <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u> 1 </u>) <input type="checkbox"/> Other (Specify):				
Sample Container Temperature: <u> 5.8 </u> °C IR Gun S/N: <u> 51941911MV </u>				
Type of sample containers: <input type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Acetate sleeves, <input type="checkbox"/> 5035 Kit: <input type="checkbox"/> AETL or <input type="checkbox"/> Client, <input type="checkbox"/> Tedlar Bags, Summa Canister: <input type="checkbox"/> 6L, <input type="checkbox"/> 3L, <input type="checkbox"/> 1L, Others (Specify): _____				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice <input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄ <input type="checkbox"/> Other (Specify): _____				
	Yes	No	N/A	Note or Comment
1. Are the COCs Correct?	✓			
2. Are Sample labels legible & indelible ink?	✓			
3. Do samples match the COC?	✓			
4. Are the required analyses clear?	✓			
5. Is there enough samples for required analysis?	✓			
6. Does cooler or samples have custody seal(s)?			✓	
7. Are sample containers in good condition?	✓			
8. Are samples preserved?	✓			
9. Are samples preserved properly for the intended analysis?	✓			
10. Are the VOAs free of headspace? See footnote.			✓	
11. Are the jars free of headspace?			✓	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.



Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager. The Project Manager will contact client for Analyze or Resample instructions.



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Tetra Tech, Inc.

3475 East Foothill Boulevard

Pasadena, CA 91107

AETL Job Number: BED0015

Project Number: [none]

Attention: Mark Feldman

Project Name: Bethune Middle School

Site: 155 W 69th St.

Los Angeles, CA

Reported: 04/13/2023 12:04

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on dry weight.

No analytical non-conformances were encountered.



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-5-1		04/5/2023 8:45	
Lab ID	Matrix	Quantity of Containers	
BED0015-01	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-5-3		04/5/2023 8:50	
Lab ID	Matrix	Quantity of Containers	
BED0015-02	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-5-5		04/5/2023 8:55	
Lab ID	Matrix	Quantity of Containers	
BED0015-03	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

(Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-10-1		04/5/2023 9:00	
Lab ID		Matrix	Quantity of Containers
BED0015-04		Soil	1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-10-3		04/5/2023 9:05	
Lab ID		Matrix	Quantity of Containers
BED0015-05		Soil	1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-10-5		04/5/2023 9:10	
Lab ID		Matrix	Quantity of Containers
BED0015-06		Soil	1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-9-1		04/5/2023 9:35	
Lab ID		Matrix	Quantity of Containers
BED0015-07		Soil	1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0



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Attention: Mark Feldman
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Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

(Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-9-1D		04/5/2023 9:35	
Lab ID		Matrix	Quantity of Containers
BED0015-08		Soil	1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-9-3		04/5/2023 9:40	
Lab ID		Matrix	Quantity of Containers
BED0015-09		Soil	1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-9-5		04/5/2023 9:45	
Lab ID		Matrix	Quantity of Containers
BED0015-10		Soil	1
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-4-1		04/5/2023 10:25	
Lab ID		Matrix	Quantity of Containers
BED0015-11		Soil	1
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

(Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-4-3		04/5/2023 10:30	
Lab ID	Matrix	Quantity of Containers	
BED0015-12	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-4-5		04/5/2023 10:35	
Lab ID	Matrix	Quantity of Containers	
BED0015-13	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
EB04052023		04/5/2023 12:50	
Lab ID	Matrix	Quantity of Containers	
BED0015-14	Aqueous	1	
Method	Analyte	Units	TAT
EPA 8082	Polychlorinated Biphenyls (PCBs)	ug/L	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

(Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-1-1		04/5/2023 12:20	
Lab ID	Matrix	Quantity of Containers	
BED0015-15	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-1-3		04/5/2023 12:25	
Lab ID	Matrix	Quantity of Containers	
BED0015-16	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-1-5		04/5/2023 12:30	
Lab ID	Matrix	Quantity of Containers	
BED0015-17	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

(Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-1-5D		04/5/2023 12:30	
Lab ID	Matrix	Quantity of Containers	
BED0015-18	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-6-1		04/5/2023 12:05	
Lab ID	Matrix	Quantity of Containers	
BED0015-19	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-6-3		04/5/2023 12:10	
Lab ID	Matrix	Quantity of Containers	
BED0015-20	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-6-5		04/5/2023 12:15	
Lab ID	Matrix	Quantity of Containers	
BED0015-21	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0



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Project Number: [none]
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Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received (Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-3-1		04/5/2023 11:05	
Lab ID	Matrix	Quantity of Containers	
BED0015-22	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-3-3		04/5/2023 11:10	
Lab ID	Matrix	Quantity of Containers	
BED0015-23	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-3-5		04/5/2023 11:15	
Lab ID	Matrix	Quantity of Containers	
BED0015-24	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

(Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-2-1		04/5/2023 11:30	
Lab ID	Matrix	Quantity of Containers	
BED0015-25	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-2-3		04/5/2023 11:35	
Lab ID	Matrix	Quantity of Containers	
BED0015-26	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-2-3D		04/5/2023 11:35	
Lab ID	Matrix	Quantity of Containers	
BED0015-27	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

(Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-2-5		04/5/2023 11:40	
Lab ID	Matrix	Quantity of Containers	
BED0015-28	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
NW-7-1		04/5/2023 11:45	
Lab ID	Matrix	Quantity of Containers	
BED0015-29	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-7-3		04/5/2023 11:50	
Lab ID	Matrix	Quantity of Containers	
BED0015-30	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-7-5		04/5/2023 11:55	
Lab ID	Matrix	Quantity of Containers	
BED0015-31	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0



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Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Samples Received

(Continued)

AETL received the following samples on 04/05/2023 with the following specifications

Client ID		Sample Date	
NW-8-1		04/5/2023 10:35	
Lab ID	Matrix	Quantity of Containers	
BED0015-32	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-8-3		04/5/2023 10:40	
Lab ID	Matrix	Quantity of Containers	
BED0015-33	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0
Client ID		Sample Date	
NW-8-5		04/5/2023 10:45	
Lab ID	Matrix	Quantity of Containers	
BED0015-34	Soil	1	
Method	Analyte	Units	TAT
Archive	Sample On Hold	N/A	0

Total Number of Samples received: 34



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Positive Hits Summary

Lab ID	Client ID				Sampled
BED0015-01	NW-5-1				04/05/2023 08:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	10.2		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	89.8		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-02	NW-5-3				04/05/2023 08:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	17.2		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	82.8		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-03	NW-5-5				04/05/2023 08:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	19.0		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	81.0		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-11	NW-4-1				04/05/2023 10:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.2		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	88.8		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-12	NW-4-3				04/05/2023 10:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.3		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	84.7		% wt	04/07/2023 09:24



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Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BED0015-13	NW-4-5				04/05/2023 10:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.8		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	87.2		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-15	NW-1-1				04/05/2023 12:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.4		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	87.6		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-16	NW-1-3				04/05/2023 12:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	13.5		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	86.4		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-17	NW-1-5				04/05/2023 12:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	17.7		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	82.3		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-18	NW-1-5D				04/05/2023 12:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	17.8		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	82.3		% wt	04/07/2023 09:24



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Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BED0015-22	NW-3-1				04/05/2023 11:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.4		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	87.7		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-23	NW-3-3				04/05/2023 11:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.6		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	88.4		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-24	NW-3-5				04/05/2023 11:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	10.4		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	89.6		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-25	NW-2-1				04/05/2023 11:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.4		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	87.7		% wt	04/07/2023 09:24
Lab ID	Client ID				Sampled
BED0015-26	NW-2-3				04/05/2023 11:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.9		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	88.1		% wt	04/07/2023 09:24



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Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BED0015-27	NW-2-3D				04/05/2023 11:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	11.9		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	88.1		% wt	04/07/2023 09:24

Lab ID	Client ID				Sampled
BED0015-28	NW-2-5				04/05/2023 11:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	3.32		% wt	04/07/2023 09:24
ASTM D2216	Percent Solids	96.3		% wt	04/07/2023 09:24



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AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results**Client ID: NW-5-1****Lab ID: BED0015-01 (Soil)****Sampled: 04/05/23 8:45**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	75.4%				30-150		04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	72.2%				30-150		04/12/23 10:52	04/12/23 22:57	B3D0136	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	10.2		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	89.8		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results**Client ID: NW-5-3****Lab ID: BED0015-02 (Soil)****Sampled: 04/05/23 8:50**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:35	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl

106%

Acceptance Criteria

30-150

04/12/23 10:52

04/12/23 23:35

B3D0136

BC

3541

Surrogate: Tetrachloro-m-xylene

85.9%

04/12/23 10:52

04/12/23 23:35

B3D0136

BC

3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	17.2		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	82.8		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-5-5

Lab ID: BED0015-03 (Soil)

Sampled: 04/05/23 8:55

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	97.8%				30-150		04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	80.0%				30-150		04/12/23 10:52	04/12/23 23:54	B3D0136	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	19.0		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	81.0		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-4-1

Lab ID: BED0015-11 (Soil)

Sampled: 04/05/23 10:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	82.3%				30-150		04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	70.7%				30-150		04/12/23 10:52	04/13/23 00:13	B3D0136	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.2		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	88.8		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-4-3

Lab ID: BED0015-12 (Soil)

Sampled: 04/05/23 10:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:33	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

77.3%
63.9%

Acceptance Criteria

30-150
30-150

04/12/23 10:52 04/13/23 00:33 B3D0136 BC 3541
04/12/23 10:52 04/13/23 00:33 B3D0136 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.3		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	84.7		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-4-5

Lab ID: BED0015-13 (Soil)

Sampled: 04/05/23 10:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	120%				30-150		04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	88.0%				30-150		04/12/23 10:52	04/13/23 00:52	B3D0136	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.8		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	87.2		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc. 3475 East Foothill Boulevard Pasadena, CA 91107	AETL Job Number: BED0015 Project Number: [none] Attention: Mark Feldman Project Name: Bethune Middle School	Site: 155 W 69th St. Los Angeles, CA Reported: 04/13/2023 12:04
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Analytical Results

Client ID: EB04052023

Lab ID: BED0015-14 (Aqueous)

Sampled: 04/05/23 12:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	0.246	0.500	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Aroclor-1221 (PCB-1221)	ND		1	0.261	0.500	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Aroclor-1232 (PCB-1232)	ND		1	0.257	0.500	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Aroclor-1242 (PCB-1242)	ND		1	0.231	0.500	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.340	0.500	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Aroclor-1254 (PCB-1254)	ND		1	0.265	0.500	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Aroclor-1260 (PCB-1260)	ND		1	0.151	0.500	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C

Recovery

Surrogate: Decachlorobiphenyl	107%						04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
Surrogate: Tetrachloro-m-xylene	87.8%						04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C

Acceptance Criteria

							04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C
							04/12/23 12:03	04/13/23 10:47	B3D0143	BC	3510C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results**Client ID: NW-1-1****Lab ID: BED0015-15 (Soil)****Sampled: 04/05/23 12:20**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	91.0%				30-150		04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	97.9%				30-150		04/12/23 10:52	04/13/23 01:11	B3D0136	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.4		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	87.6		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-1-3

Lab ID: BED0015-16 (Soil)

Sampled: 04/05/23 12:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	93.6%				30-150	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	95.4%				30-150	04/12/23 10:52	04/13/23 01:30	B3D0136	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.5		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	86.4		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-1-5

Lab ID: BED0015-17 (Soil)

Sampled: 04/05/23 12:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 01:49	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

115%
94.4%

Acceptance Criteria

30-150
30-150

04/12/23 10:52 04/13/23 01:49 B3D0136 BC 3541
04/12/23 10:52 04/13/23 01:49 B3D0136 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.7		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	82.3		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-1-5D

Lab ID: BED0015-18 (Soil)

Sampled: 04/05/23 12:30

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	95.7%				30-150	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	87.5%				30-150	04/12/23 10:52	04/13/23 02:09	B3D0136	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.8		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	82.3		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-3-1

Lab ID: BED0015-22 (Soil)

Sampled: 04/05/23 11:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	102%				30-150		04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	95.3%				30-150		04/12/23 10:52	04/13/23 02:47	B3D0136	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.4		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	87.7		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results**Client ID: NW-3-3****Lab ID: BED0015-23 (Soil)****Sampled: 04/05/23 11:10**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	107%				30-150		04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	86.4%				30-150		04/12/23 10:52	04/13/23 03:06	B3D0136	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	11.6		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPi	ASTM-D2216
Percent Solids	88.4		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-3-5

Lab ID: BED0015-24 (Soil)

Sampled: 04/05/23 11:15

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	114%				30-150		04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	89.3%				30-150		04/12/23 10:52	04/13/23 03:25	B3D0136	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.4		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	89.6		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results**Client ID: NW-2-1****Lab ID: BED0015-25 (Soil)****Sampled: 04/05/23 11:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	107%				30-150		04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	81.4%				30-150		04/12/23 10:52	04/13/23 03:44	B3D0136	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.4		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPi	ASTM-D2216
Percent Solids	87.7		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPi	ASTM-D2216



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2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-2-3

Lab ID: BED0015-26 (Soil)

Sampled: 04/05/23 11:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	123%				30-150		04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541
Surrogate: Tetrachloro-m-xylene	105%				30-150		04/12/23 10:52	04/13/23 04:04	B3D0136	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.9		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPi	ASTM-D2216
Percent Solids	88.1		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPi	ASTM-D2216



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-2-3D

Lab ID: BED0015-27 (Soil)

Sampled: 04/05/23 11:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:23	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

88.5%
70.1%

Acceptance Criteria

30-150
30-150

04/12/23 10:52 04/13/23 04:23 B3D0136 BC 3541
04/12/23 10:52 04/13/23 04:23 B3D0136 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	11.9		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	88.1		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Analytical Results

Client ID: NW-2-5

Lab ID: BED0015-28 (Soil)

Sampled: 04/05/23 11:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	04/12/23 10:52	04/13/23 04:42	B3D0136	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

145%
117%

Acceptance Criteria

30-150
30-150

04/12/23 10:52 04/13/23 04:42 B3D0136 BC 3541
04/12/23 10:52 04/13/23 04:42 B3D0136 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	3.32		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216
Percent Solids	96.3		1		0.100	% wt	04/06/23 15:03	04/07/23 09:24	B3D0067	CPI	ASTM-D2216



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Tetra Tech, Inc.

3475 East Foothill Boulevard

Pasadena, CA 91107

AETL Job Number: BED0015

Project Number: [none]

Attention: Mark Feldman

Project Name: Bethune Middle School

Site: 155 W 69th St.

Los Angeles, CA

Reported: 04/13/2023 12:04

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3D0067 - ASTM-D2216					Prepared: 04/06/2023 15:03						
Method Blank (B3D0067-BLK1)					Analyzed: 04/07/2023 09:24						
Moisture Content	ND		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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Tetra Tech, Inc.

3475 East Foothill Boulevard

Pasadena, CA 91107

AETL Job Number: BED0015

Project Number: [none]

Attention: Mark Feldman

Project Name: Bethune Middle School

Site: 155 W 69th St.

Los Angeles, CA

Reported: 04/13/2023 12:04

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3D0067 - ASTM-D2216 (Continued)					Prepared: 04/06/2023 15:03						
Duplicate (B3D0067-DUP1)					Analyzed: 04/07/2023 09:24						
Moisture Content	10.4		0.100	% wt		10.2			1.75	15	
Percent Solids	89.6		0.100	% wt		89.8			0.234	15	



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3D0143 - 3510C					Prepared: 04/12/2023 12:03						
Method Blank (B3D0143-BLK1)					Analyzed: 04/13/2023 10:28						
Aroclor-1016 (PCB-1016)	ND	0.246	0.500	ug/L							
Aroclor-1221 (PCB-1221)	ND	0.261	0.500	ug/L							
Aroclor-1232 (PCB-1232)	ND	0.257	0.500	ug/L							
Aroclor-1242 (PCB-1242)	ND	0.231	0.500	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.340	0.500	ug/L							
Aroclor-1254 (PCB-1254)	ND	0.265	0.500	ug/L							
Aroclor-1260 (PCB-1260)	ND	0.151	0.500	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
<hr/>											
Surrogate: Decachlorobiphenyl	65.2			ug/L	50.0		130	50-150			
Surrogate: Tetrachloro-m-xylene	54.5			ug/L	50.0		109	50-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3D0143 - 3510C (Continued)				Prepared: 04/12/2023 12:03						
LCS (B3D0143-BS1)				Analyzed: 04/13/2023 09:49						
Aroclor-1016 (PCB-1016)	3.70	0.500	ug/L	5.00		74.0	33.1-151			
Aroclor-1260 (PCB-1260)	4.76	0.500	ug/L	5.00		95.2	38.3-142			
Surrogate: Decachlorobiphenyl	54.5		ug/L	50.0		109	50-150			
Surrogate: Tetrachloro-m-xylene	43.5		ug/L	50.0		87.0	50-150			
LCSD (B3D0143-BSD1)				Analyzed: 04/13/2023 10:09						
Aroclor-1016 (PCB-1016)	3.91	0.500	ug/L	5.00		78.1	33.1-151	5.40	30	
Aroclor-1260 (PCB-1260)	5.85	0.500	ug/L	5.00		117	38.3-142	20.5	30	
Surrogate: Decachlorobiphenyl	53.0		ug/L	50.0		106	50-150			
Surrogate: Tetrachloro-m-xylene	45.3		ug/L	50.0		90.5	50-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3D0136 - 3541					Prepared: 04/12/2023 10:52						
Method Blank (B3D0136-BLK1)					Analyzed: 04/12/2023 22:38						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	7.67			ug/kg wet	25.0		30.7	30-150			
Surrogate: Tetrachloro-m-xylene	8.28			ug/kg wet	25.0		33.1	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BED0015
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W 69th St.
Los Angeles, CA
Reported: 04/13/2023 12:04

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3D0136 - 3541 (Continued)				Prepared: 04/12/2023 10:52						
LCS (B3D0136-BS1)				Analyzed: 04/12/2023 21:59						
Aroclor-1016 (PCB-1016)	162	50.0	ug/kg wet	250		64.9	50-150			
Aroclor-1260 (PCB-1260)	178	50.0	ug/kg wet	250		71.4	50-150			
<hr/>										
Surrogate: Decachlorobiphenyl	15.7		ug/kg wet	25.0		62.6	30-150			
Surrogate: Tetrachloro-m-xylene	13.4		ug/kg wet	25.0		53.6	30-150			
<hr/>				Analyzed: 04/12/2023 22:18						
Aroclor-1016 (PCB-1016)	162	50.0	ug/kg wet	250		64.7	50-150	0.240	40	
Aroclor-1260 (PCB-1260)	171	50.0	ug/kg wet	250		68.3	50-150	4.37	40	
<hr/>										
Surrogate: Decachlorobiphenyl	15.2		ug/kg wet	25.0		60.9	30-150			
Surrogate: Tetrachloro-m-xylene	13.0		ug/kg wet	25.0		52.1	30-150			



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Tetra Tech, Inc.	AETL Job Number: BED0015	Site: 155 W 69th St.
3475 East Foothill Boulevard	Project Number: [none]	Los Angeles. CA
Pasadena, CA 91107	Attention: Mark Feldman	
	Project Name: Bethune Middle School	Reported: 04/13/2023 12:04

Qualifiers and Definitions

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter



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Tetra Tech, Inc.	AETL Job Number:	BED0015	Site:	155 W 69th St.
3475 East Foothill Boulevard	Project Number:	[none]		Los Angeles. CA
Pasadena, CA 91107	Attention:	Mark Feldman		
	Project Name:	Bethune Middle School	Reported:	04/13/2023 12:04

NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction



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2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

May 31, 2023

AETL Job No: BEE0178

Received Date: 05/22/2023

Project Number: [none]

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107
Telephone: (909) 289-3343

Attention: Mark Feldman

Project Name: Bethune Middle School
Site: 155 W. 69th St.
Los Angeles, CA

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Corey Jones
Project Manager

Approved By:

Hailley Coleman
Project Manager

Table of Contents

Client Project Name: Bethune Middle School Project Number: [none]
Work Order Number: BEE0178

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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 5.5 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

CHAIN OF CUSTODY RECORD

[illegible]

CHAIN OF CUSTODY RECORD

AKYZER LABS COMPANY

COMPANY Tetra Tech, Inc.						PROJECT MANAGER Mark Feldman						AETL JOB No. BEE-0178						Page 2 of 3																																																					
COMPANY ADDRESS 3475 E. Foothill Blvd						PHONE (909) 297-3343												TEST INSTRUCTIONS & COMMENTS																																																					
PROJECT NAME Bethune Middle School						EMAIL mark.feldman@tetra-tech.com																																																																	
SITE NAME AND ADDRESS						PO #																																																																	
SAMPLE ID						LAB ID						DATE						TIME						MATRIX						CONTAINER NUMBER/SIZE						PRES.																																			
A11-05						BEE-0178						5/20/23						1045						S						1-4oz,						None																																			
A11-05D						17						1045						1045																																																					
A7-01						19						1055						1055																																																					
A7-03						20						1100						1100																																																					
A7-05						21						1105						1105																																																					
A102-01						22						1125						1125																																																					
A102-03						23						1130						1130																																																					
A102-05						24						1135						1135																																																					
A100-01						25						1140						1140																																																					
A100-03						26						1145						1145																																																					
A100-05						27						1150						1150																																																					
E102-01						28						1205						1205																																																					
E102-03						29						1210						1210																																																					
E102-05						30						1215						1215																																																					
E102-05D						30						1215						1215																																																					
TOTAL NUMBER OF CONTAINERS:																		RELINQUISHED BY SAMPLER:																		RELINQUISHED BY:																		RELINQUISHED BY:																	
BILLING INFORMATION / SPECIAL INSTRUCTIONS																		Signature: Bill Allen																		Signature:																		Signature:																	
																		Printed Name: Bill Allen																		Printed Name:																		Printed Name:																	
																		Date: 5/22/23																		Date:																		Date:																	
TURN AROUND TIME																		DATA DELIVERABLE REQUIRED																		RECEIVED BY:																		RECEIVED BY:																	
NORMAL <input type="checkbox"/> SAME DAY RUSH <input type="checkbox"/>																		HARD COPY <input type="checkbox"/>																		LABORATORY SIGNATURE: AETL																		LABORATORY SIGNATURE:																	
NEXT DAY RUSH <input type="checkbox"/>																		E-COPY <input type="checkbox"/>																		LABORATORY NAME: AETL																		LABORATORY NAME:																	
2 DAYS RUSH <input type="checkbox"/>																		GEO TRACKER (GLOBAL ID) _____																		LABORATORY DATE: 5/22/23																		LABORATORY DATE:																	
3 DAYS RUSH <input type="checkbox"/>																		OTHER (PLEASE SPECIFY) _____																		LABORATORY TIME: 0930																		LABORATORY TIME:																	
4 DAYS RUSH <input type="checkbox"/>																																				LABORATORY TIME: 0930																		LABORATORY TIME:																	
DISTRIBUTION: WHITE - Laboratory, CANARY - Project/Account Manager, YELLOW - Sampler/Originator																																																																							

Page 5 of 72



CHAIN OF CUSTODY RECORD

[illegible]

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



COOLER RECEIPT FORM

Client Name: Tetra Tech, Inc.				
Project Name: Bethune Middle School			Project No.:	
AETL Job Number: BEE0178				
Date Received: 05-22-2023		Received by: Greta G.		
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSL <input type="checkbox"/> FedEx <input type="checkbox"/> UPS				
<input type="checkbox"/> Others:				
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u> 1 </u>) <input type="checkbox"/> Other (Specify):				
Sample Container Temperature: <u> 5.5 </u> °C IR Gun S/N: <u>51941911MV</u>				
Type of sample containers: <input type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Acetate sleeves, <input type="checkbox"/> 5035 Kit: <input type="checkbox"/> AETL or <input type="checkbox"/> Client, <input type="checkbox"/> Tedlar Bags, Summa Canister: <input type="checkbox"/> 6L, <input type="checkbox"/> 3L, <input type="checkbox"/> 1L, Others (Specify):				
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice <input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH, <input type="checkbox"/> NaHSO ₄ <input type="checkbox"/> Other (Specify):				
	Yes	No	N/A	Note or Comment
1. Are the COCs Correct?	✓			
2. Are Sample labels legible & indelible ink?	✓			
3. Do samples match the COC?	✓			
4. Are the required analyses clear?	✓			
5. Is there enough samples for required analysis?	✓			
6. Does cooler or samples have custody seal(s)?			✓	
7. Are sample containers in good condition?	✓			
8. Are samples preserved?	✓			
9. Are samples preserved properly for the intended analysis?	✓			
10. Are the VOAs free of headspace? See footnote.			✓	
11. Are the jars free of headspace?			✓	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.



Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager. The Project Manager will contact client for Analyze or Resample instructions.



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on dry weight.

Qualifiers are noted in the report.



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Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
F6-01		05/20/2023 9:06	
Lab ID	Matrix	Quantity of Containers	
BEE0178-01	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F6-03		05/20/2023 9:13	
Lab ID	Matrix	Quantity of Containers	
BEE0178-02	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F6-05		05/20/2023 9:18	
Lab ID	Matrix	Quantity of Containers	
BEE0178-03	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
F7-01		05/20/2023 9:26	
Lab ID	Matrix	Quantity of Containers	
BEE0178-04	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F7-03		05/20/2023 9:30	
Lab ID	Matrix	Quantity of Containers	
BEE0178-05	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
F7-03D		05/20/2023 9:30	
Lab ID	Matrix	Quantity of Containers	
BEE0178-06	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Tetra Tech, Inc.
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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
F7-05		05/20/2023 9:35	
Lab ID	Matrix	Quantity of Containers	
BEE0178-07	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E6-01		05/20/2023 9:44	
Lab ID	Matrix	Quantity of Containers	
BEE0178-08	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E6-03		05/20/2023 9:49	
Lab ID	Matrix	Quantity of Containers	
BEE0178-09	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
E6-05		05/20/2023 9:54	
Lab ID	Matrix	Quantity of Containers	
BEE0178-10	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C13-01		05/20/2023 10:15	
Lab ID	Matrix	Quantity of Containers	
BEE0178-11	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
C13-03		05/20/2023 10:20	
Lab ID	Matrix	Quantity of Containers	
BEE0178-12	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Name: Bethune Middle School

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Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
C13-05		05/20/2023 10:25	
Lab ID	Matrix	Quantity of Containers	
BEE0178-13	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A11-01		05/20/2023 10:35	
Lab ID	Matrix	Quantity of Containers	
BEE0178-14	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A11-03		05/20/2023 10:40	
Lab ID	Matrix	Quantity of Containers	
BEE0178-15	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
A11-05		05/20/2023 10:45	
Lab ID	Matrix	Quantity of Containers	
BEE0178-16	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A11-05D		05/20/2023 10:45	
Lab ID	Matrix	Quantity of Containers	
BEE0178-17	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A7-01		05/20/2023 10:55	
Lab ID	Matrix	Quantity of Containers	
BEE0178-18	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
A7-03		05/20/2023 11:00	
Lab ID	Matrix	Quantity of Containers	
BEE0178-19	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A7-05		05/20/2023 11:05	
Lab ID	Matrix	Quantity of Containers	
BEE0178-20	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A102-01		05/20/2023 11:25	
Lab ID	Matrix	Quantity of Containers	
BEE0178-21	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
A102-03		05/20/2023 11:30	
Lab ID	Matrix	Quantity of Containers	
BEE0178-22	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A102-05		05/20/2023 11:35	
Lab ID	Matrix	Quantity of Containers	
BEE0178-23	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A100-01		05/20/2023 11:40	
Lab ID	Matrix	Quantity of Containers	
BEE0178-24	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
A100-03		05/20/2023 11:45	
Lab ID	Matrix	Quantity of Containers	
BEE0178-25	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
A100-05		05/20/2023 11:50	
Lab ID	Matrix	Quantity of Containers	
BEE0178-26	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E102-01		05/20/2023 12:05	
Lab ID	Matrix	Quantity of Containers	
BEE0178-27	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
E102-03		05/20/2023 12:10	
Lab ID	Matrix	Quantity of Containers	
BEE0178-28	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E102-05		05/20/2023 12:15	
Lab ID	Matrix	Quantity of Containers	
BEE0178-29	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E102-05D		05/20/2023 12:15	
Lab ID	Matrix	Quantity of Containers	
BEE0178-30	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Project Number: [none]
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Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
E100-01		05/20/2023 12:25	
Lab ID	Matrix	Quantity of Containers	
BEE0178-31	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E100-03		05/20/2023 12:30	
Lab ID	Matrix	Quantity of Containers	
BEE0178-32	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5
Client ID		Sample Date	
E100-05		05/20/2023 12:35	
Lab ID	Matrix	Quantity of Containers	
BEE0178-33	Soil	1	
Method	Analyte	Units	TAT
ASTM D2216	Moisture Content	% wt	5
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/kg	5



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Samples Received

(Continued)

AETL received the following samples on 05/22/2023 with the following specifications

Client ID		Sample Date	
IDW-01W		05/20/2023 12:45	
Lab ID		Matrix	Quantity of Containers
BEE0178-34		Aqueous	1
Method	Analyte	Units	TAT
EPA 8082	Polychlorinated Biphenyls (PCBs)	ug/L	5

Total Number of Samples received: 34



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Positive Hits Summary

Lab ID	Client ID				Sampled
BEE0178-01	F6-01				05/20/2023 09:06
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	2840	DIL	ug/kg dry	05/26/2023 00:20
ASTM D2216	Moisture Content	10.4		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	89.6		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-02	F6-03				05/20/2023 09:13
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	16.4		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	83.6		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-03	F6-05				05/20/2023 09:18
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.9		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	84.0		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-04	F7-01				05/20/2023 09:26
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1110		ug/kg dry	05/26/2023 01:17
ASTM D2216	Moisture Content	10.2		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	89.8		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-05	F7-03				05/20/2023 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.2		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	85.8		% wt	05/24/2023 11:45



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BEE0178-06	F7-03D				05/20/2023 09:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.4		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	87.6		% wt	05/24/2023 11:45
Lab ID	Client ID				Sampled
BEE0178-07	F7-05				05/20/2023 09:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.0		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	85.0		% wt	05/24/2023 11:45
Lab ID	Client ID				Sampled
BEE0178-08	E6-01				05/20/2023 09:44
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	4500	DIL	ug/kg dry	05/26/2023 02:53
ASTM D2216	Moisture Content	14.2		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	85.8		% wt	05/24/2023 11:45
Lab ID	Client ID				Sampled
BEE0178-09	E6-03				05/20/2023 09:49
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	17.1		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	82.9		% wt	05/24/2023 11:45
Lab ID	Client ID				Sampled
BEE0178-10	E6-05				05/20/2023 09:54
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	16.1		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	83.9		% wt	05/24/2023 11:45



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BEE0178-11	C13-01				05/20/2023 10:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	5570	DIL	ug/kg dry	05/26/2023 03:31
ASTM D2216	Moisture Content	10.0		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	89.9		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-12	C13-03				05/20/2023 10:20
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	12.3		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	87.7		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-13	C13-05				05/20/2023 10:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	2460	DIL	ug/kg dry	05/26/2023 03:51
ASTM D2216	Moisture Content	13.1		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	86.9		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-14	A11-01				05/20/2023 10:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	8690	DIL	ug/kg dry	05/26/2023 04:10
ASTM D2216	Moisture Content	13.8		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	86.2		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-15	A11-03				05/20/2023 10:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	811		ug/kg dry	05/27/2023 01:55
ASTM D2216	Moisture Content	17.3		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	82.7		% wt	05/24/2023 11:45



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BEE0178-16	A11-05				05/20/2023 10:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.7		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	85.3		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-17	A11-05D				05/20/2023 10:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	15.4		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	84.6		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-18	A7-01				05/20/2023 10:55
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	8720	DIL	ug/kg dry	05/27/2023 02:53
ASTM D2216	Moisture Content	12.6		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	87.4		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-19	A7-03				05/20/2023 11:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	18.6		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	81.4		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-20	A7-05				05/20/2023 11:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	14.4		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	85.6		% wt	05/24/2023 11:45



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BEE0178-21	A102-01				05/20/2023 11:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	8000	DIL	ug/kg dry	05/27/2023 04:09
ASTM D2216	Moisture Content	6.04		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	94.0		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-22	A102-03				05/20/2023 11:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	40.9	J	ug/kg dry	05/27/2023 04:29
ASTM D2216	Moisture Content	12.9		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	87.1		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-23	A102-05				05/20/2023 11:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	13.2		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	86.8		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-24	A100-01				05/20/2023 11:40
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	30800	DIL	ug/kg dry	05/27/2023 05:07
ASTM D2216	Moisture Content	8.33		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	91.7		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-25	A100-03				05/20/2023 11:45
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	822		ug/kg dry	05/27/2023 05:26
ASTM D2216	Moisture Content	8.15		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	91.8		% wt	05/24/2023 11:45



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BEE0178-26	A100-05				05/20/2023 11:50
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	42.0	J	ug/kg dry	05/27/2023 05:45
ASTM D2216	Moisture Content	15.2		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	84.8		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-27	E102-01				05/20/2023 12:05
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	6180	DIL	ug/kg dry	05/27/2023 06:04
ASTM D2216	Moisture Content	8.98		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	91.0		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-28	E102-03				05/20/2023 12:10
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	46.8	J	ug/kg dry	05/27/2023 06:23
ASTM D2216	Moisture Content	25.9		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	74.0		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-29	E102-05				05/20/2023 12:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	19.3		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	80.7		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-30	E102-05D				05/20/2023 12:15
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	18.0		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	82.0		% wt	05/24/2023 11:45



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Positive Hits Summary (Continued)

Lab ID	Client ID				Sampled
BEE0178-31	E100-01				05/20/2023 12:25
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	3650	DIL	ug/kg dry	05/27/2023 07:40
ASTM D2216	Moisture Content	8.92		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	91.0		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-32	E100-03				05/20/2023 12:30
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1248 (PCB-1248)	1190		ug/kg dry	05/27/2023 07:59
ASTM D2216	Moisture Content	10.8		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	89.2		% wt	05/24/2023 11:45

Lab ID	Client ID				Sampled
BEE0178-33	E100-05				05/20/2023 12:35
Method	Analyte	Result	Qualifier	Unit	Analyzed
ASTM D2216	Moisture Content	2.87		% wt	05/24/2023 11:45
ASTM D2216	Percent Solids	97.1		% wt	05/24/2023 11:45



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: F6-01

Lab ID: BEE0178-01 (Soil)

Sampled: 05/20/23 9:06

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	2840	DIL	10	200	500	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
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	Recovery			Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	78.5%						05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	68.4%						05/23/23	15:25	05/26/23	00:20	B3E0367	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.4		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	89.6		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: F6-03****Lab ID: BEE0178-02 (Soil)****Sampled: 05/20/23 9:13**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	50.7%				30-150		05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541
Surrogate: Tetrachloro-m-xylene	38.0%				30-150		05/23/23 15:25	05/26/23 00:39	B3E0367	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	16.4		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	83.6		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: F6-05****Lab ID: BEE0178-03 (Soil)****Sampled: 05/20/23 9:18**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	70.9%				30-150		05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541
Surrogate: Tetrachloro-m-xylene	56.0%				30-150		05/23/23 15:25	05/26/23 00:58	B3E0367	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	15.9		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	84.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: F7-01

Lab ID: BEE0178-04 (Soil)

Sampled: 05/20/23 9:26

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	1110		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	93.1%					30-150	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541
Surrogate: Tetrachloro-m-xylene	76.9%					30-150	05/23/23 15:25	05/26/23 01:17	B3E0367	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	10.2		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	89.8		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: F7-03****Lab ID: BEE0178-05 (Soil)****Sampled: 05/20/23 9:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	75.8%				30-150		05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541
Surrogate: Tetrachloro-m-xylene	64.6%				30-150		05/23/23 15:25	05/26/23 01:36	B3E0367	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	14.2		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	85.8		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: F7-03D****Lab ID: BEE0178-06 (Soil)****Sampled: 05/20/23 9:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	72.4%				30-150		05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541
Surrogate: Tetrachloro-m-xylene	61.3%				30-150		05/23/23 15:25	05/26/23 02:15	B3E0367	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.4		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	87.6		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: F7-05

Lab ID: BEE0178-07 (Soil)

Sampled: 05/20/23 9:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:34	B3E0367	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

117%
94.4%

Acceptance Criteria

30-150
30-150

05/23/23 15:25 05/26/23 02:34 B3E0367 BC 3541
05/23/23 15:25 05/26/23 02:34 B3E0367 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	85.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: E6-01****Lab ID: BEE0178-08 (Soil)****Sampled: 05/20/23 9:44**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	4500	DIL	10	200	500	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	96.3%					30-150	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541
Surrogate: Tetrachloro-m-xylene	78.0%					30-150	05/23/23 15:25	05/26/23 02:53	B3E0367	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	14.2		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	85.8		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: E6-03

Lab ID: BEE0178-09 (Soil)

Sampled: 05/20/23 9:49

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	90.9%				30-150		05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541
Surrogate: Tetrachloro-m-xylene	80.0%				30-150		05/23/23 15:25	05/26/23 03:12	B3E0367	BC	3541

Acceptance Criteria

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.1		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	82.9		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: E6-05****Lab ID: BEE0178-10 (Soil)****Sampled: 05/20/23 9:54**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	71.6%				30-150		05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541
Surrogate: Tetrachloro-m-xylene	81.4%				30-150		05/24/23 15:31	05/25/23 06:07	B3E0387	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	16.1		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	83.9		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: C13-01****Lab ID: BEE0178-11 (Soil)****Sampled: 05/20/23 10:15**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND	D	5	100	250	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
Aroclor-1221 (PCB-1221)	ND	D	5	100	250	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
Aroclor-1232 (PCB-1232)	ND	D	5	100	250	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
Aroclor-1242 (PCB-1242)	ND	D	5	100	250	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
Aroclor-1248 (PCB-1248)	5570	DIL	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
Aroclor-1254 (PCB-1254)	ND	D	5	100	250	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
Aroclor-1260 (PCB-1260)	ND	D	5	100	250	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
Aroclor-1262 (PCB-1262)	ND	D	5	100	250	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
Aroclor-1268 (PCB-1268)	ND	D	5	100	250	ug/kg dry	05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
<hr/>													
	Recovery			Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	64.2%						05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	88.8%						05/24/23	15:31	05/26/23	03:31	B3E0387	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	10.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	89.9		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: C13-03

Lab ID: BEE0178-12 (Soil)

Sampled: 05/20/23 10:20

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/24/23 15:31	05/25/23 06:46	B3E0387	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

65.6%
58.0%

Acceptance Criteria

30-150
30-150

05/24/23 15:31 05/25/23 06:46 B3E0387 BC 3541
05/24/23 15:31 05/25/23 06:46 B3E0387 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	12.3		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	87.7		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: C13-05****Lab ID: BEE0178-13 (Soil)****Sampled: 05/20/23 10:25**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND	D	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
Aroclor-1221 (PCB-1221)	ND	D	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
Aroclor-1232 (PCB-1232)	ND	D	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
Aroclor-1242 (PCB-1242)	ND	D	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
Aroclor-1248 (PCB-1248)	2460	DIL	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
Aroclor-1254 (PCB-1254)	ND	D	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
Aroclor-1260 (PCB-1260)	ND	D	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
Aroclor-1262 (PCB-1262)	ND	D	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
Aroclor-1268 (PCB-1268)	ND	D	2	40.0	100	ug/kg dry	05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
<hr/>													
	Recovery			Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	104%						05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	116%						05/24/23	15:31	05/26/23	03:51	B3E0387	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	13.1		1	0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	86.9		1	0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: A11-01

Lab ID: BEE0178-14 (Soil)

Sampled: 05/20/23 10:35

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	D	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
Aroclor-1221 (PCB-1221)	ND	D	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
Aroclor-1232 (PCB-1232)	ND	D	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
Aroclor-1242 (PCB-1242)	ND	D	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
Aroclor-1248 (PCB-1248)	8690	DIL	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
Aroclor-1254 (PCB-1254)	ND	D	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
Aroclor-1260 (PCB-1260)	ND	D	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
Aroclor-1262 (PCB-1262)	ND	D	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
Aroclor-1268 (PCB-1268)	ND	D	10	200	500	ug/kg dry	05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
<hr/>													
	Recovery			Acceptance Criteria									
<i>Surrogate: Decachlorobiphenyl</i>	98.7%						05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	143%						05/24/23	15:31	05/26/23	04:10	B3E0387	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	13.8	1	0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	86.2	1	0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: A11-03

Lab ID: BEE0178-15 (Soil)

Sampled: 05/20/23 10:40

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	811		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	125%				30-150		05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541
Surrogate: Tetrachloro-m-xylene	87.3%				30-150		05/25/23 13:49	05/27/23 01:55	B3E0413	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	17.3		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	82.7		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: A11-05****Lab ID: BEE0178-16 (Soil)****Sampled: 05/20/23 10:45**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:14	B3E0413	BC	3541

Recovery

Surrogate: Decachlorobiphenyl 117%
Surrogate: Tetrachloro-m-xylene 78.3%

Acceptance Criteria

30-150 05/25/23 13:49 05/27/23 02:14 B3E0413 BC 3541
30-150 05/25/23 13:49 05/27/23 02:14 B3E0413 BC 3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	14.7		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	85.3		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: A11-05D

Lab ID: BEE0178-17 (Soil)

Sampled: 05/20/23 10:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:34	B3E0413	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

129%
28.3% S6

Acceptance Criteria

30-150
30-150

05/25/23 13:49 05/27/23 02:34 B3E0413 BC 3541
05/25/23 13:49 05/27/23 02:34 B3E0413 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.4		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	84.6		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: A7-01****Lab ID: BEE0178-18 (Soil)****Sampled: 05/20/23 10:55**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	8720	DIL	10	200	500	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 02:53	B3E0413	BC	3541
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	<i>123%</i>						05/25/23 13:49	<i>05/27/23 02:53</i>	B3E0413	<i>BC</i>	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>80.1%</i>						05/25/23 13:49	<i>05/27/23 02:53</i>	B3E0413	<i>BC</i>	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.6		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	87.4		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: A7-03****Lab ID: BEE0178-19 (Soil)****Sampled: 05/20/23 11:00**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:12	B3E0413	BC	3541

Recovery

Surrogate: Decachlorobiphenyl 0.395% S6
Surrogate: Tetrachloro-m-xylene 75.6%

Acceptance Criteria

30-150 05/25/23 13:49 05/27/23 03:12 B3E0413 BC 3541
30-150 05/25/23 13:49 05/27/23 03:12 B3E0413 BC 3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	18.6		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	81.4		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: A7-05

Lab ID: BEE0178-20 (Soil)

Sampled: 05/20/23 11:05

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 03:31	B3E0413	BC	3541

Recovery

Surrogate: Decachlorobiphenyl
Surrogate: Tetrachloro-m-xylene

107%
84.9%

Acceptance Criteria

30-150
30-150

05/25/23 13:49 05/27/23 03:31 B3E0413 BC 3541
05/25/23 13:49 05/27/23 03:31 B3E0413 BC 3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	14.4		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	85.6		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: A102-01

Lab ID: BEE0178-21 (Soil)

Sampled: 05/20/23 11:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	8000	DIL	10	200	500	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541

Recovery

Surrogate: Decachlorobiphenyl	135%
Surrogate: Tetrachloro-m-xylene	225% S6

Acceptance Criteria

	30-150	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541
	30-150	05/25/23 13:49	05/27/23 04:09	B3E0413	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	6.04	1	0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	94.0	1	0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: A102-03****Lab ID: BEE0178-22 (Soil)****Sampled: 05/20/23 11:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	40.9	J	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
<hr/>											
	Recovery			Acceptance Criteria							
Surrogate: Decachlorobiphenyl	64.8%			30-150			05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541
Surrogate: Tetrachloro-m-xylene	55.9%			30-150			05/25/23 13:49	05/27/23 04:29	B3E0413	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	12.9		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	87.1		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: A102-05****Lab ID: BEE0178-23 (Soil)****Sampled: 05/20/23 11:35**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	89.9%				30-150		05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541
Surrogate: Tetrachloro-m-xylene	77.5%				30-150		05/25/23 13:49	05/27/23 04:48	B3E0413	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	13.2		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	86.8		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: A100-01****Lab ID: BEE0178-24 (Soil)****Sampled: 05/20/23 11:40**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	30800	DIL	500	10000	25000	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:07	B3E0413	BC	3541
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	<i>74.2%</i>						05/25/23 13:49	<i>05/27/23 05:07</i>	B3E0413	<i>BC</i>	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>86.8%</i>						05/25/23 13:49	<i>05/27/23 05:07</i>	B3E0413	<i>BC</i>	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	8.33		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	91.7		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: A100-03****Lab ID: BEE0178-25 (Soil)****Sampled: 05/20/23 11:45**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	822		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
<hr/>											
				Recovery		Acceptance Criteria					
Surrogate: Decachlorobiphenyl	75.0%				30-150		05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541
Surrogate: Tetrachloro-m-xylene	67.4%				30-150		05/25/23 13:49	05/27/23 05:26	B3E0413	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	8.15		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	91.8		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: A100-05

Lab ID: BEE0178-26 (Soil)

Sampled: 05/20/23 11:50

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	42.0	J	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
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	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	84.1%						05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	69.2%						05/25/23 13:49	05/27/23 05:45	B3E0413	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	15.2		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	84.8		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: E102-01****Lab ID: BEE0178-27 (Soil)****Sampled: 05/20/23 12:05**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	6180	DIL	10	200	500	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	106%				30-150		05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541
Surrogate: Tetrachloro-m-xylene	192% S6				30-150		05/25/23 13:49	05/27/23 06:04	B3E0413	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	8.98		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	91.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: E102-03****Lab ID: BEE0178-28 (Soil)****Sampled: 05/20/23 12:10**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	46.8	J	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:23	B3E0413	BC	3541

Recovery

Surrogate: Decachlorobiphenyl 0.201% S6
Surrogate: Tetrachloro-m-xylene 12.8% S6

Acceptance Criteria

30-150 05/25/23 13:49 05/27/23 06:23 B3E0413 BC 3541
30-150 05/25/23 13:49 05/27/23 06:23 B3E0413 BC 3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	25.9		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	74.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: E102-05****Lab ID: BEE0178-29 (Soil)****Sampled: 05/20/23 12:15**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	95.3%				30-150		05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541
Surrogate: Tetrachloro-m-xylene	25.1% S6				30-150		05/25/23 13:49	05/27/23 06:43	B3E0413	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	19.3		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	80.7		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: E102-05D****Lab ID: BEE0178-30 (Soil)****Sampled: 05/20/23 12:15**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	91.3%				30-150		05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541
Surrogate: Tetrachloro-m-xylene	29.9% S6				30-150		05/25/23 13:49	05/27/23 07:21	B3E0413	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	18.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	82.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: E100-01

Lab ID: BEE0178-31 (Soil)

Sampled: 05/20/23 12:25

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	3650	DIL	5	100	250	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
<hr/>											
	Recovery			Acceptance Criteria							
<i>Surrogate: Decachlorobiphenyl</i>	90.1%						05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	42.4%						05/25/23 13:49	05/27/23 07:40	B3E0413	BC	3541

Wet Chemistry Analysis

Method: ASTM D2216

Moisture Content	8.92		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	91.0		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: E100-03****Lab ID: BEE0178-32 (Soil)****Sampled: 05/20/23 12:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	1190	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND	1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 07:59	B3E0413	BC	3541
<hr/>										
	Recovery			Acceptance Criteria						
<i>Surrogate: Decachlorobiphenyl</i>	<i>1.66% S6</i>			<i>30-150</i>		05/25/23 13:49	<i>05/27/23 07:59</i>	B3E0413	<i>BC</i>	3541
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>91.2%</i>			<i>30-150</i>		05/25/23 13:49	<i>05/27/23 07:59</i>	B3E0413	<i>BC</i>	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	10.8		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216
Percent Solids	89.2		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPi	ASTM-D2216



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results**Client ID: E100-05****Lab ID: BEE0178-33 (Soil)****Sampled: 05/20/23 12:35**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs by Soxhlet Extraction**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Aroclor-1221 (PCB-1221)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Aroclor-1232 (PCB-1232)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Aroclor-1242 (PCB-1242)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Aroclor-1248 (PCB-1248)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Aroclor-1254 (PCB-1254)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Aroclor-1260 (PCB-1260)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Aroclor-1262 (PCB-1262)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Aroclor-1268 (PCB-1268)	ND		1	20.0	50.0	ug/kg dry	05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541

Recovery

Acceptance Criteria

Surrogate: Decachlorobiphenyl	36.2%				30-150		05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541
Surrogate: Tetrachloro-m-xylene	12.0% S6				30-150		05/25/23 13:49	05/27/23 08:18	B3E0413	BC	3541

Wet Chemistry Analysis**Method: ASTM D2216**

Moisture Content	2.87		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216
Percent Solids	97.1		1		0.100	% wt	05/23/23 13:00	05/24/23 11:45	B3E0346	CPI	ASTM-D2216



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Tetra Tech, Inc.
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Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Analytical Results

Client ID: IDW-01W

Lab ID: BEE0178-34 (Aqueous)

Sampled: 05/20/23 12:45

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	0.246	0.500	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
Aroclor-1221 (PCB-1221)	ND		1	0.261	0.500	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
Aroclor-1232 (PCB-1232)	ND		1	0.257	0.500	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
Aroclor-1242 (PCB-1242)	ND		1	0.231	0.500	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
Aroclor-1248 (PCB-1248)	ND		1	0.340	0.500	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
Aroclor-1254 (PCB-1254)	ND		1	0.265	0.500	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
Aroclor-1260 (PCB-1260)	ND		1	0.151	0.500	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
Aroclor-1262 (PCB-1262)	ND		1	1.00	5.00	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
Aroclor-1268 (PCB-1268)	ND		1	1.00	5.00	ug/L	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C

Recovery

Surrogate: Decachlorobiphenyl	64.9%
Surrogate: Tetrachloro-m-xylene	24.9% S6

Acceptance Criteria

	50-150	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C
	50-150	05/24/23 13:46	05/31/23 14:14	B3E0386	ATS	3510C



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3E0346 - ASTM-D2216					Prepared: 05/23/2023 13:00						
Method Blank (B3E0346-BLK1)					Analyzed: 05/24/2023 11:45						
Moisture Content	ND		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3E0346 - ASTM-D2216 (Continued)					Prepared: 05/23/2023 13:00						
Method Blank (B3E0346-BLK2)					Analyzed: 05/24/2023 11:45						
Moisture Content	ND		0.100	% wt							
Percent Solids	ND		0.100	% wt							



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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

Wet Chemistry Analysis (ASTM D2216)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3E0346 - ASTM-D2216 (Continued)											
Duplicate (B3E0346-DUP1)											
Source: BEE0178-01						Prepared: 05/23/2023 13:00					
						Analyzed: 05/24/2023 11:45					
Moisture Content	9.76		0.100	% wt		10.4			5.87	15	
Percent Solids	90.2		0.100	% wt		89.6			0.623	15	
Duplicate (B3E0346-DUP2)											
Source: BEE0178-21						Prepared: 05/23/2023 13:00					
						Analyzed: 05/24/2023 11:45					
Moisture Content	6.39		0.100	% wt		6.04			5.63	15	
Percent Solids	93.6		0.100	% wt		94.0			0.373	15	



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3E0386 - 3510C					Prepared: 05/24/2023 13:46						
Method Blank (B3E0386-BLK1)					Analyzed: 05/31/2023 13:55						
Aroclor-1016 (PCB-1016)	ND	0.246	0.500	ug/L							
Aroclor-1221 (PCB-1221)	ND	0.261	0.500	ug/L							
Aroclor-1232 (PCB-1232)	ND	0.257	0.500	ug/L							
Aroclor-1242 (PCB-1242)	ND	0.231	0.500	ug/L							
Aroclor-1248 (PCB-1248)	ND	0.340	0.500	ug/L							
Aroclor-1254 (PCB-1254)	ND	0.265	0.500	ug/L							
Aroclor-1260 (PCB-1260)	ND	0.151	0.500	ug/L							
Aroclor-1262 (PCB-1262)	ND	1.00	5.00	ug/L							
Aroclor-1268 (PCB-1268)	ND	1.00	5.00	ug/L							
Surrogate: Decachlorobiphenyl	38.0			ug/L	50.0		76.0	50-150			
Surrogate: Tetrachloro-m-xylene	32.2			ug/L	50.0		64.4	50-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3E0386 - 3510C (Continued)				Prepared: 05/24/2023 13:46						
LCS (B3E0386-BS1)				Analyzed: 05/31/2023 13:16						
Aroclor-1016 (PCB-1016)	4.50	0.500	ug/L	5.00		89.9	33.1-151			
Aroclor-1260 (PCB-1260)	5.07	0.500	ug/L	5.00		101	38.3-142			
Surrogate: Decachlorobiphenyl	40.5		ug/L	50.0		81.1	50-150			
Surrogate: Tetrachloro-m-xylene	35.6		ug/L	50.0		71.1	50-150			
LCSD (B3E0386-BSD1)				Analyzed: 05/31/2023 13:35						
Aroclor-1016 (PCB-1016)	4.75	0.500	ug/L	5.00		95.1	33.1-151	5.54	30	
Aroclor-1260 (PCB-1260)	4.88	0.500	ug/L	5.00		97.7	38.3-142	3.76	30	
Surrogate: Decachlorobiphenyl	40.6		ug/L	50.0		81.1	50-150			
Surrogate: Tetrachloro-m-xylene	37.9		ug/L	50.0		75.8	50-150			



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3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3E0367 - 3541					Prepared: 05/23/2023 15:25						
Method Blank (B3E0367-BLK1)					Analyzed: 05/25/2023 20:10						
Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet							
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet							
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet							
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet							
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet							
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet							
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet							
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet							
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet							
Surrogate: Decachlorobiphenyl	31.9			ug/kg wet	25.0		128	30-150			
Surrogate: Tetrachloro-m-xylene	27.0			ug/kg wet	25.0		108	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
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AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B3E0367 - 3541 (Continued)

Prepared: 05/23/2023 15:25

LCS (B3E0367-BS1)

Analyzed: 05/25/2023 19:32

Aroclor-1016 (PCB-1016)	229	50.0	ug/kg wet	250		91.8	50-150			
Aroclor-1260 (PCB-1260)	187	50.0	ug/kg wet	250		74.9	50-150			
Surrogate: Decachlorobiphenyl	18.3		ug/kg wet	25.0		73.4	30-150			
Surrogate: Tetrachloro-m-xylene	16.8		ug/kg wet	25.0		67.3	30-150			

LCSD (B3E0367-BSD1)

Analyzed: 05/25/2023 19:51

Aroclor-1016 (PCB-1016)	200	50.0	ug/kg wet	250		80.0	50-150	13.7	40	
Aroclor-1260 (PCB-1260)	198	50.0	ug/kg wet	250		79.0	50-150	5.38	40	
Surrogate: Decachlorobiphenyl	21.5		ug/kg wet	25.0		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	19.1		ug/kg wet	25.0		76.3	30-150			

Batch: B3E0387 - 3541

Prepared: 05/24/2023 15:31

Method Blank (B3E0387-BLK1)

Analyzed: 05/25/2023 20:10

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet						
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet						
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet						
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet						
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet						
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet						
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet						
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet						
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet						
Surrogate: Decachlorobiphenyl	31.9		ug/kg wet	25.0		128	30-150			
Surrogate: Tetrachloro-m-xylene	27.0		ug/kg wet	25.0		108	30-150			



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Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: B3E0387 - 3541 (Continued)

LCS (B3E0387-BS1)

Prepared: 05/24/2023 15:31

Analyzed: 05/25/2023 19:32

Aroclor-1016 (PCB-1016)	229	50.0	ug/kg wet	250		91.8	50-150			
Aroclor-1260 (PCB-1260)	187	50.0	ug/kg wet	250		74.9	50-150			
Surrogate: Decachlorobiphenyl	18.3		ug/kg wet	25.0		73.4	30-150			
Surrogate: Tetrachloro-m-xylene	16.8		ug/kg wet	25.0		67.3	30-150			

LCSD (B3E0387-BSD1)

Analyzed: 05/25/2023 19:51

Aroclor-1016 (PCB-1016)	200	50.0	ug/kg wet	250		80.0	50-150	13.7	40	
Aroclor-1260 (PCB-1260)	198	50.0	ug/kg wet	250		79.0	50-150	5.38	40	
Surrogate: Decachlorobiphenyl	21.5		ug/kg wet	25.0		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	19.1		ug/kg wet	25.0		76.3	30-150			

Batch: B3E0413 - 3541

Method Blank (B3E0413-BLK1)

Prepared: 05/25/2023 13:49

Analyzed: 05/27/2023 01:36

Aroclor-1016 (PCB-1016)	ND	20.0	50.0	ug/kg wet						
Aroclor-1221 (PCB-1221)	ND	20.0	50.0	ug/kg wet						
Aroclor-1232 (PCB-1232)	ND	20.0	50.0	ug/kg wet						
Aroclor-1242 (PCB-1242)	ND	20.0	50.0	ug/kg wet						
Aroclor-1248 (PCB-1248)	ND	20.0	50.0	ug/kg wet						
Aroclor-1254 (PCB-1254)	ND	20.0	50.0	ug/kg wet						
Aroclor-1260 (PCB-1260)	ND	20.0	50.0	ug/kg wet						
Aroclor-1262 (PCB-1262)	ND	20.0	50.0	ug/kg wet						
Aroclor-1268 (PCB-1268)	ND	20.0	50.0	ug/kg wet						
Surrogate: Decachlorobiphenyl	31.1		ug/kg wet	25.0		124	30-150			
Surrogate: Tetrachloro-m-xylene	23.6		ug/kg wet	25.0		94.3	30-150			



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

AETL Job Number: BEE0178
Project Number: [none]
Attention: Mark Feldman
Project Name: Bethune Middle School

Site: 155 W. 69th St.
Los Angeles, CA
Reported: 05/31/2023 16:55

Quality Control Results

PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B3E0413 - 3541 (Continued)				Prepared: 05/25/2023 13:49						
LCS (B3E0413-BS1)				Analyzed: 05/27/2023 00:58						
Aroclor-1016 (PCB-1016)	221	50.0	ug/kg wet	250		88.4	50-150			
Aroclor-1260 (PCB-1260)	191	50.0	ug/kg wet	250		76.6	50-150			
<hr/>										
Surrogate: Decachlorobiphenyl	24.1		ug/kg wet	25.0		96.5	30-150			
Surrogate: Tetrachloro-m-xylene	22.3		ug/kg wet	25.0		89.2	30-150			
<hr/>				Analyzed: 05/27/2023 01:17						
Aroclor-1016 (PCB-1016)	252	50.0	ug/kg wet	250		101	50-150	13.0	40	
Aroclor-1260 (PCB-1260)	155	50.0	ug/kg wet	250		61.9	50-150	21.2	40	
<hr/>										
Surrogate: Decachlorobiphenyl	24.2		ug/kg wet	25.0		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	22.1		ug/kg wet	25.0		88.6	30-150			



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Tetra Tech, Inc.	AETL Job Number: BEE0178	Site: 155 W. 69th St.
3475 East Foothill Boulevard	Project Number: [none]	Los Angeles, CA
Pasadena, CA 91107	Attention: Mark Feldman	
	Project Name: Bethune Middle School	Reported: 05/31/2023 16:55

Qualifiers and Definitions

Item	Qualifiers
D	Sample was analyzed under dilution due to matrix interference.
DIL	Result for the compound reported from diluted analysis.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
S6	Surrogate recovery is outside control limits due to matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com



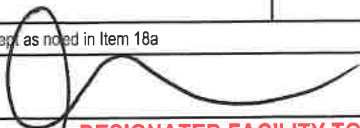
Tetra Tech, Inc.	AETL Job Number:	BEE0178	Site:	155 W. 69th St.
3475 East Foothill Boulevard	Project Number:	[none]		Los Angeles, CA
Pasadena, CA 91107	Attention:	Mark Feldman		
	Project Name:	Bethune Middle School	Reported:	05/31/2023 16:55

ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

APPENDIX C: MANIFESTS

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR000113670		2. Page 1 of 1	3. Emergency Response Phone (213) 241-3199		4. Manifest Tracking Number 016573251 FLE					
		5. Generator's Name and Mailing Address LAUSD - OEHS Attn: Filmon Tcsfaslastic 333 S. Beaudry Ave., 21st Floor Los Angeles, CA 90017 Generator's Phone: (213) 241-3199		Generator's Site Address (if different than mailing address) LAUSD/ Bethune Junior High 155 W. 69th St. Los Angeles, CA 90003								
GENERATOR		6. Transporter 1 Company Name BELSHIRE				U.S. EPA ID Number CAR000183913						
		7. Transporter 2 Company Name				U.S. EPA ID Number						
DESIGNATED FACILITY		8. Designated Facility Name and Site Address U.S. Ecology, Nevada Operations Highway 95, 11 miles S. of Beatty Beatty, NV 89003 Facility's Phone: (775) 553-2203				U.S. EPA ID Number NVT330010000						
CONTAINER		9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						No. Type						
				1. Non-RCRA Hazardous Waste, Solid (Soil with TSCA PCBs)		003 DM		952	K	261		
				2.								
				3.								
				4.								
TRANSPORTER		14. Special Handling Instructions and Additional Information ERG# 171 - Soil with TSCA PCBs WEAR ALL APPROPRIATE PROTECTIVE CLOTHING BESE: 334508 Date of removal from service: 10/7/21 Profile # 070253633-180 3X55										
		15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
INT'L		Generator's/Officer's Printed/Typed Name Eric Nelson on behalf of LAUSD				Signature 		Month Day Year 10 07 21				
		16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Transporter signature (for exports only):				Port of entry/exit: Date leaving U.S.:						
DESIGNATED FACILITY		17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Frank Torres				Signature 		Month Day Year 10 7 21				
		Transporter 2 Printed/Typed Name				Signature		Month Day Year				
DESIGNATED FACILITY		18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:				U.S. EPA ID Number						
		18b. Alternate Facility (or Generator) Facility's Phone:										
DESIGNATED FACILITY		18c. Signature of Alternate Facility (or Generator)				Month Day Year						
		19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. 3. 4.										
DESIGNATED FACILITY		20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Dwight Salikyan				Signature 		Month Day Year 10 13 21				

NO.762581

-21

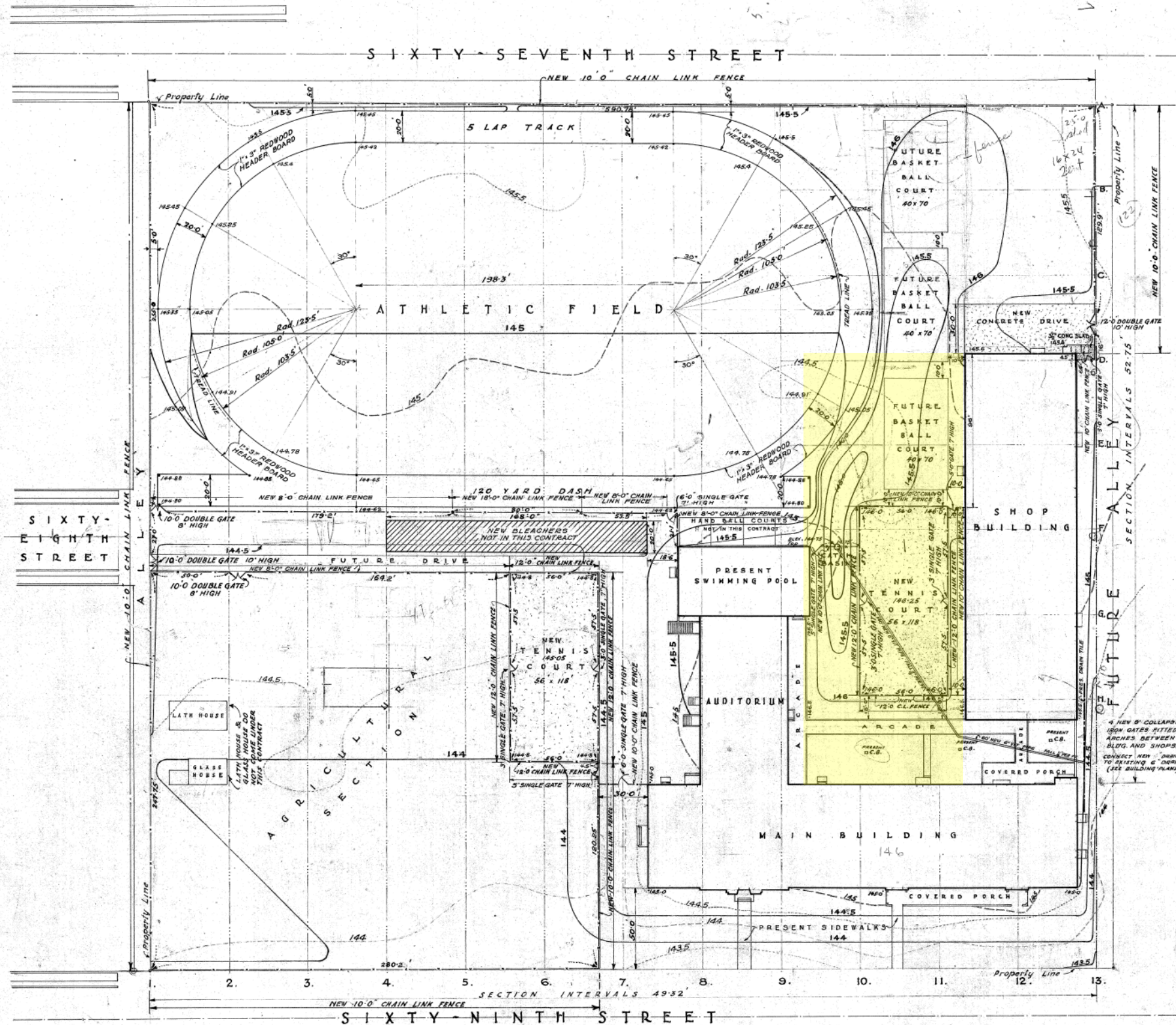
NON-HAZARDOUS WASTE DATA FORM

BESI #

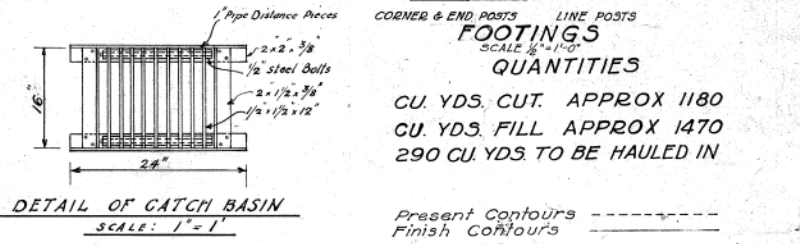
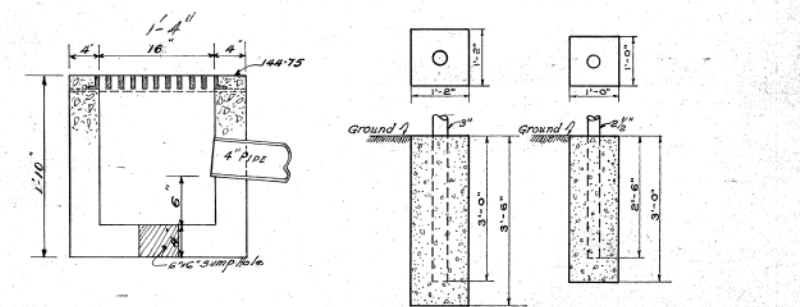
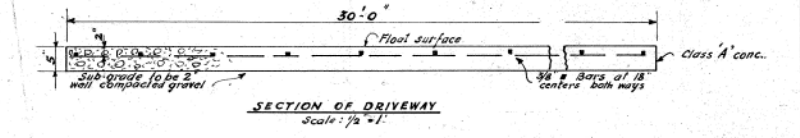
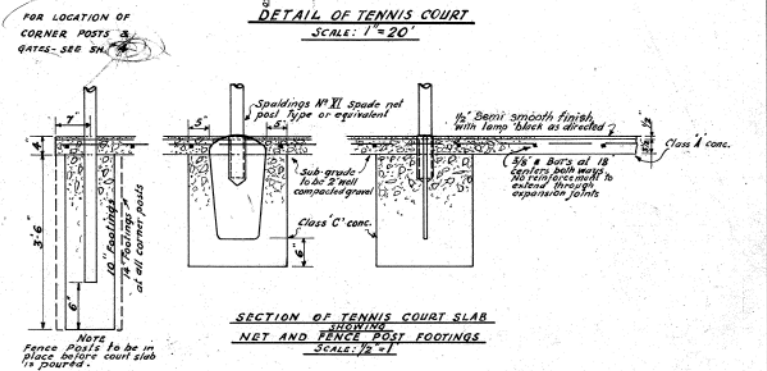
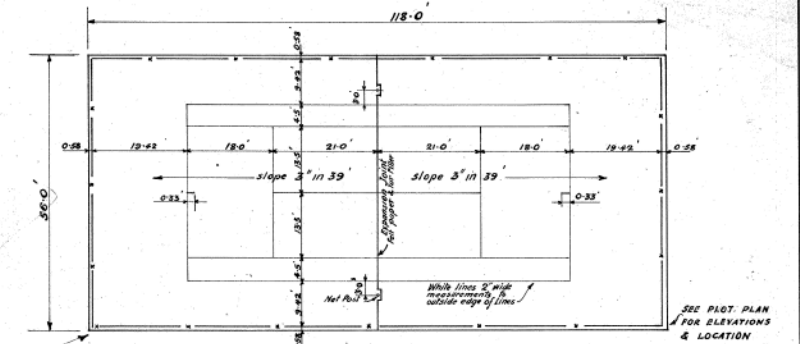
334508

GENERATOR	Generator's Name and Mailing Address LAUSD - OEHS ATTN: FILMON TESFASLASIE 333 S. BEAUDRY AVE., 21ST FLOOR LOS ANGELES, CA 90017		Generator's Site Address (if different than mailing address) LAUSD/ BETHUNE JUNIOR HIGH 155 W. 68TH ST. LOS ANGELES, CA 90003	
	Generator's Phone: 213-241-3199			
	Container type removed from site: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____		Container type transported to receiving facility: <input type="checkbox"/> Drums <input checked="" type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____	
	Quantity 001		Quantity 001 Volume 045 GAL	
TRANSPORTER	WASTE DESCRIPTION NON-HAZARDOUS WATER		GENERATING PROCESS WELL PURGING / DECON WATER	
	COMPONENTS OF WASTE PPM %		COMPONENTS OF WASTE PPM %	
	1. WATER 99-100%		3. _____	
	2. TPH <1%		4. _____	
RECEIVING FACILITY	Waste Profile _____ PROPERTIES: pH 7-10 <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER _____			
	HANDLING INSTRUCTIONS: _____			
	Generator Printed/Typed Name Eric Nelson on behalf of LAUSD		Signature [Signature] Month Day Year 11/07/21	
	The Generator certifies that the waste as described is 100% non-hazardous			
TRANSPORTER	Transporter 1 Company Name BELSHIRE		Phone# 949-460-5200	
	Transporter 1 Printed/Typed Name Frank Torres		Signature [Signature] Month Day Year 11/07/21	
	Transporter Acknowledgment of Receipt of Materials			
	Transporter 2 Company Name NIETO & SONS TRUCKING, INC.		Phone# 714-990-6855	
RECEIVING FACILITY	Transporter 2 Printed/Typed Name Martin Remond Jr		Signature [Signature] Month Day Year 11/20/21	
	Transporter Acknowledgment of Receipt of Materials			
	Designated Facility Name and Site Address WORLD OIL RECYCLING 2000 N. ALAMEDA ST. COMPTON, CA 90222		Phone# 310-537-7100	
	Printed/Typed Name SOPHAL P. SVAY		Signature [Signature] Month Day Year 11/20/21	
Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.				

APPENDIX D: HISTORICAL CONSTRUCTION DRAWINGS



PLOT PLAN
SCALE: 1" = 40'



1927

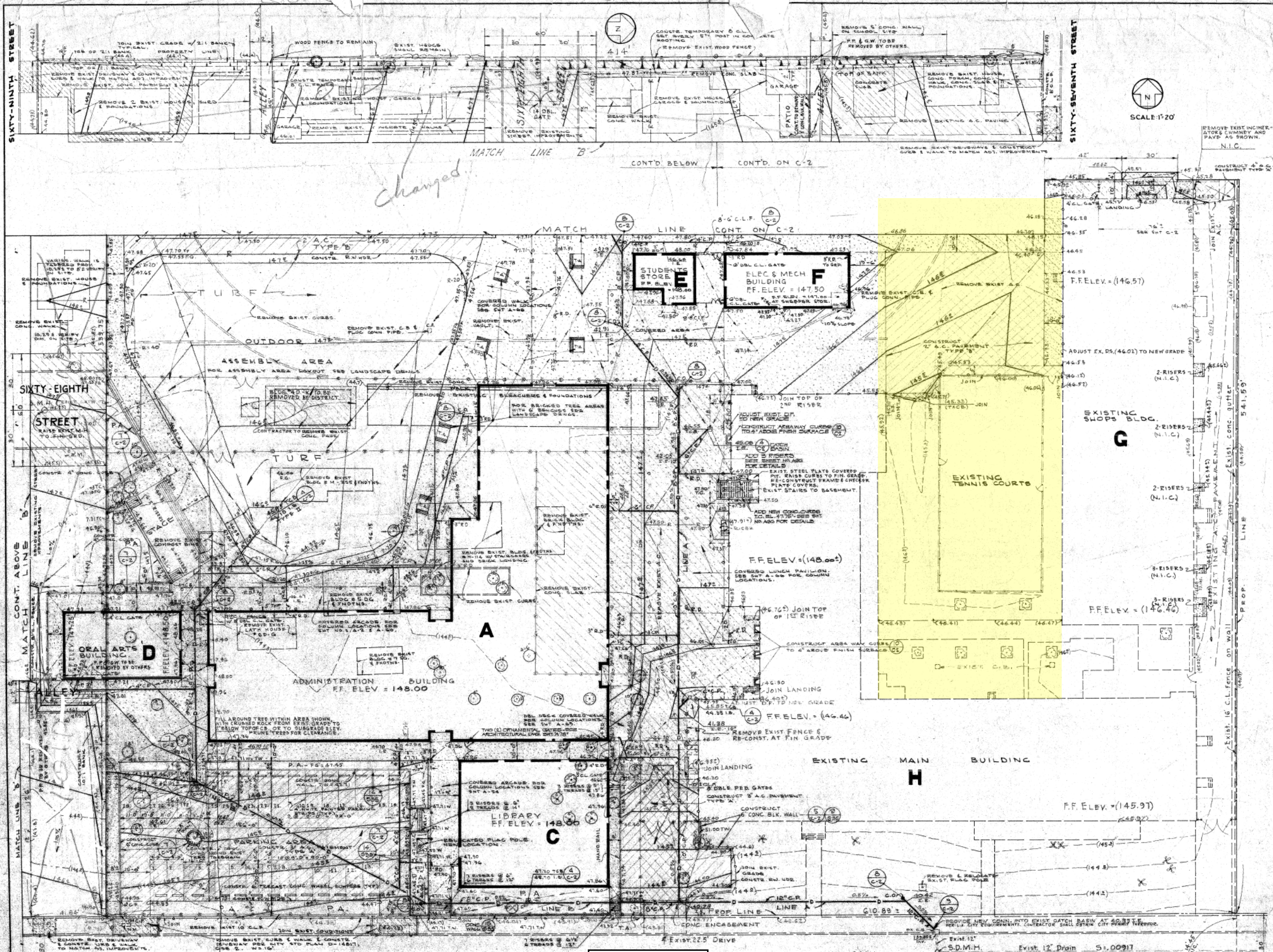
SEE SPECIFICATION REGARDING NEW BLEACHERS.
BASKET BALL AND HAND BALL COURTS DO NOT
COME UNDER THIS CONTRACT.

APPROVED: *James H. Dwyer*
CH. ENGR. CO.
W. E. Record
BUSINESS MGR.

IMPROVEMENTS TO GROUNDS
RHS BOYS SCHOOL
SIXTY-NINTH STREET & MAIN STREET
LOS ANGELES, CALIFORNIA

PLANS PREPARED BY
BUSINESS DEPARTMENT
BOARD OF EDUCATION
L.A. CITY HIGH SCHOOL DIST.
W. E. RECORD
BUSINESS MGR.
1445 SOUTH SAN PEDRO STREET
LOS ANGELES, CALIFORNIA

DATE: MAR-3-1927
DRAWN: SCOTT
CHECKED: SCOTT
JOB NO.: 12963
SHEET NO.: 1
2 SHEETS



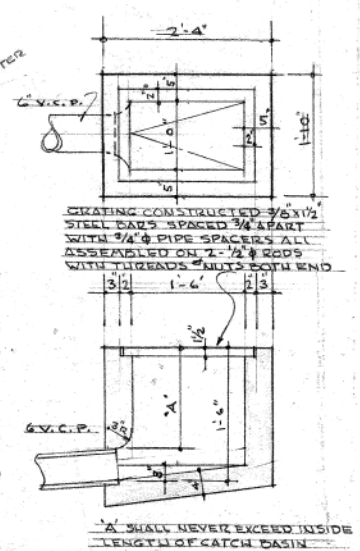
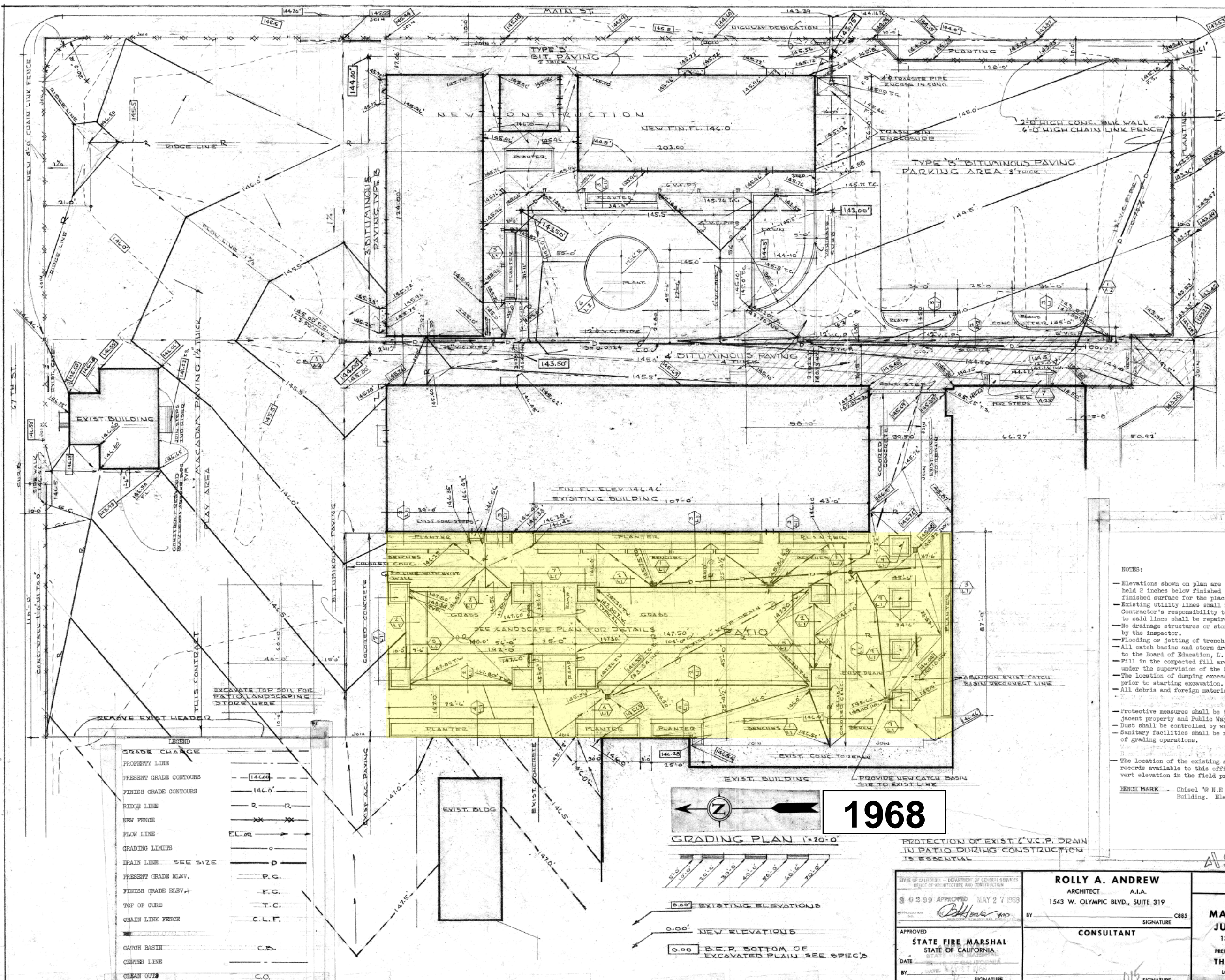
1966

LARRY BANGHAM CIVIL ENGINEER REG. NO. 51,289		PREPARED FOR THE BOARD OF EDUCATION LOS ANGELES UNIFIED SCHOOL DISTRICT		ADDITIONAL FACILITIES FOR: MARY McLEOD BETHUNE JUNIOR HIGH SCHOOL formerly CENTRAL AREA JUNIOR HIGH SCHOOL at RHS HIGH SCHOOL SITE		CAREY K. JENKINS, ARCHITECT, A.I.A. 428 SUNSET INTERNATIONAL BUILDING 8920 WILSHIRE BOULEVARD BEVERLY HILLS CALIFORNIA 655-4181		SITE IMPROVEMENTS SOUTH PORTION AS BUILT		NO. DATE SUBMITTED BY REGISTRATION NO. C-12M JOB NO. 65-154 DATE 7/1/66 APPROVED		SHEET NO. DRAWN CHECKED OF 257 C-1	
PETERSON DEEM LANDSCAPE ARCHITECT REG. NO. 361		FUL S. BENNETT MECHANICAL ENGINEER REG. NO. ME 1078											
LEE ISHII & ASSOCIATES ELECTRICAL ENGINEER REG. NO. EE 354													

BENCH MARK: CHS. BOX N.E. COR. PLATFORM SOUTH SET STEPS
E. SIDE CARPENTERIA EL 145.83

EXEMPT FROM DATE DIVISION OF ARCHITECTURE CHECKING

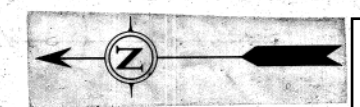
8060.00.000



1 CATCH BASIN
3/4" x 1'-0"

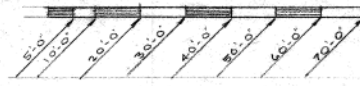
2 CONCRETE GUTTER
1'-0"

- NOTES:
- Elevations shown on plan are to finished surface. In paved areas grade shall be held 2 inches below finished surface. Lawn areas shall be held 6 inches below finished surface for the placement of top soil.
 - Existing utility lines shall remain in service at all times. It shall be the Contractor's responsibility to adequately protect all such lines and any damage to said lines shall be repaired by the Contractor at his own expense.
 - No drainage structures or storm drain line shall be backfilled prior to approval by the inspector.
 - Flooding or jetting of trench backfills will not be allowed.
 - All catch basins and storm drain cleanouts called for on this plan shall conform to the Board of Education, L. A. Unified School District standard plans.
 - Fill in the compacted fill areas shall be compacted to 90% of maximum density, under the supervision of the Soils Engineer.
 - The location of existing storm drain in 69th Street is based on the best records available to this office. The Contractor shall verify location and invert elevation in the field prior to laying storm drain pipe upstream.
 - All debris and foreign material shall be removed from the site.
 - Protective measures shall be taken by the Contractor and the Owner to protect adjacent property and Public Ways during grading operations.
 - Dust shall be controlled by watering.
 - Sanitary facilities shall be maintained on the site from beginning to completion of grading operations.
- REMARK: Chisel "B" N.E. corner landing of south steps E. side Cafeteria Building. Elev - 145.89



1968

GRADING PLAN 1"=20'-0"



0.00' EXISTING ELEVATIONS

0.00' NEW ELEVATIONS

0.00' B.E.P. BOTTOM OF EXCAVATED PLAIN SEE SPEC'S

PROTECTION OF EXIST. L.V.C.P. DRAIN IN PATIO DURING CONSTRUCTION IS ESSENTIAL

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES OFFICE OF ARCHITECTURE AND CONSTRUCTION	
APPROVED MAY 27 1968	
BY: [Signature]	
APPROVED STATE FIRE MARSHAL STATE OF CALIFORNIA	
DATE: MAY 27 1968	
BY: [Signature]	

ROLLY A. ANDREW ARCHITECT A.I.A. 1543 W. OLYMPIC BLVD., SUITE 319	
BY: [Signature]	
CONSULTANT	
BY: [Signature]	

AS BUILT GRADING PLAN	
SHOP BUILDING MARY McLEOD BETHUNE JUNIOR HIGH SCHOOL 139 WEST 69TH ST., LOS ANGELES	
PREPARED FOR THE BOARD OF EDUCATION LOS ANGELES UNIFIED SCHOOL DISTRICT	
DRAWN BY: [Signature] CHECKED BY: [Signature] DATE: MAY 1968 BLDG. NO.: PLAN NO.: A-2 OF SHEETS	

APPENDIX E: PLANS FOR COURTYARD RENOVATION

QUAD REDESIGN BETHUNE MIDDLE SCHOOL

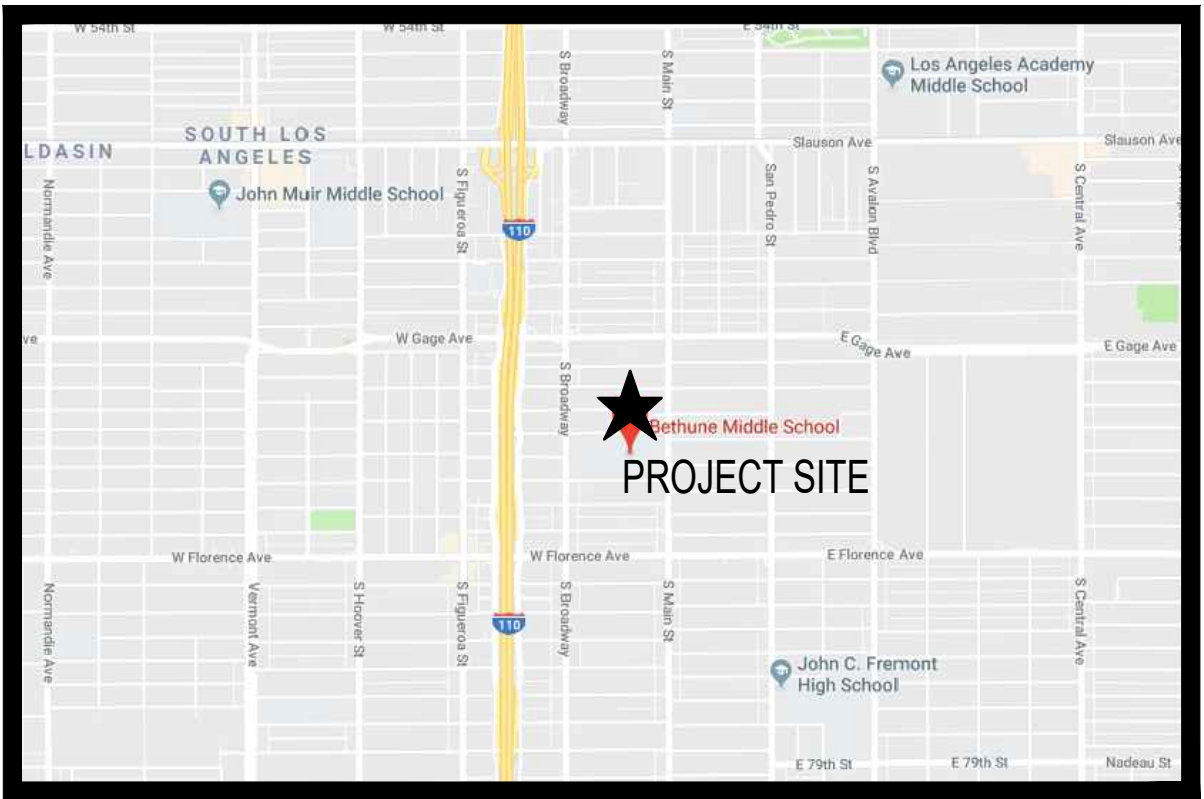
155 W 69TH STREET, LOS ANGELES, CALIFORNIA 90003

LOS ANGELES UNIFIED SCHOOL DISTRICT

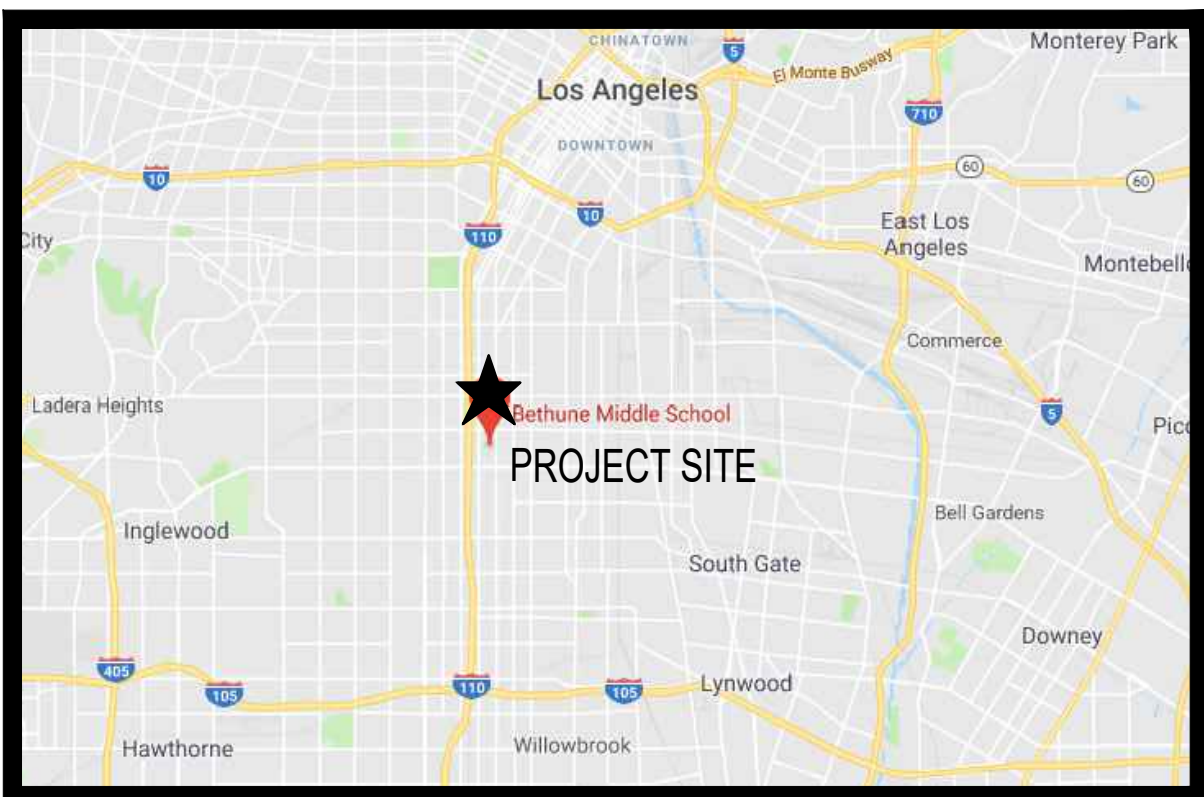
COLIN NUMBER: 10370081

APPLICABLE CODES

APPLICABLE CODES AS OF JANUARY 1, 2023:		
2022	BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	
2022	CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)	
2022	CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)	
2022	CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)	
2022	CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)	
2022	CALIFORNIA ENERGY CODE (C.E.C.), PART 6, TITLE 24 C.C.R.	
2022	CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 C.C.R.	
2022	CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)	
2022	CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R. (2021 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)	
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.	
2022	CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.	
TITLE 8 C.C.R., DIVISION 1, CHAPTERS 4 AND 6, ELEVATOR SAFETY ORDERS (INCLUDING ASME A17.1-2019, SAFETY CODE FOR ELEVATORS AND ESCALATORS)		
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS		
PARTIAL LIST OF APPLICABLE STANDARDS		
2022 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35		
NFPA 13	AUTOMATIC SPRINKLER SYSTEM (CALIFORNIA AMENDED)	2022 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2019 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 20	STATIONARY PUMPS	2022 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2022 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVE	2022 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2023 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CALIFORNIA AMENDED)	2022 EDITION



VICINITY MAP

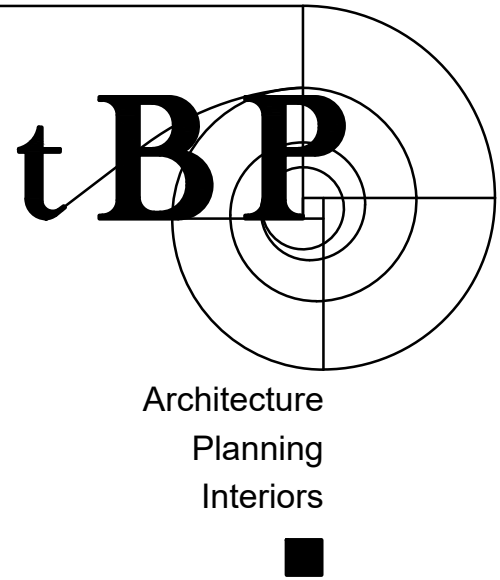


REGIONAL MAP



tBP /Architecture

4611 Teller Avenue - Newport Beach - California - 92660
<http://www.tbparchitecture.com>
ph: 949.673.0300 - fx: 949.732.3895



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

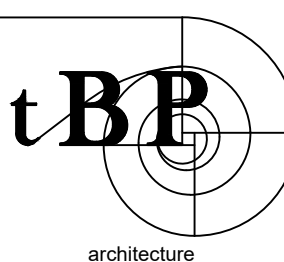
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



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CONSULTANT

STAMPS/SEALS



SHEET TITLE:

COVER SHEET

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

SHEET NUMBER

T-1

DATE: 07/05/2023

SHEET: 1 OF: 188

DRAWING LIST

GENERAL

(NO. OF DRAWINGS - 2)

T-1COVER SHEET

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CIVIL DRAWINGS*

(NO. OF DRAWINGS - 24)

C100GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

C101EXISTING CONDITIONS

CD100OVERALL SITE DEMOLITION PLAN

CD101ENLARGED SITE DEMOLITION PLAN

CD102ENLARGED SITE DEMOLITION PLAN

C200OVERALL SITE CONTROL PLAN

C201ENLARGED SITE CONTROL PLAN

C202ENLARGED SITE CONTROL PLAN

C203ENLARGED SITE COORDINATES PLAN

C204ENLARGED SITE COORDINATES PLAN

C300OVERALL SITE GRADING PLAN

C301ENLARGED SITE GRADING PLAN

C302ENLARGED SITE GRADING PLAN

C303GRADING SECTIONS

C400OVERALL SITE UTILITY PLAN

C401ENLARGED SITE UTILITY PLAN

C402ENLARGED SITE UTILITY PLAN

C403STORM DRAIN UTILITY PROFILE

C500EXCAVATION PLAN

C600EROSION CONTROL PLAN

C601EROSION CONTROL DETAILS

C602EROSION CONTROL DETAILS

C700MISCELLANEOUS DETAILS

C701MISCELLANEOUS DETAILS

LANDSCAPE DRAWINGS*

(NO. OF DRAWINGS - 17)

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L0.02OVERALL REFERENCE PLAN

L2.00CONSTRUCTION & LAYOUT NOTES & SCHEDULE

L2.01CONSTRUCTION PLAN

L2.02CONSTRUCTION PLAN

L2.10LAYOUT PLAN

L2.11LAYOUT PLAN

L6.01CONSTRUCTION DETAILS

L7.00IRRIGATION NOTES & SCHEDULE

L7.01IRRIGATION PLAN

L7.02IRRIGATION PLAN

L7.03IRRIGATION DETAILS

L8.00APLANTING NOTES

L8.00BPLANT SCHEDULE

L8.01PLANTING PLAN

L8.02PLANTING PLAN

L8.03PLANTING DETAILS

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(NO. OF DRAWINGS - 8)

AS-1OVERALL SITE PLAN

AS-2ENLARGED SITE DEMO PLAN

AS-3ENLARGED EXCAVATION PLAN

AS-4ENLARGED SITE PLAN

A-1PARTIAL FLOOR PLAN AND DETAILS

2.01SITE DETAILS

2.02SITE DETAILS

2.03SITE DETAILS

ELECTRICAL DRAWINGS*

(NO. OF DRAWINGS - 11)

E001ELECTRICAL GENERAL NOTES

E002ELECTRICAL SYMBOLS AND DETAILS

E010PANEL SCHEDULES

E020LIGHTING FIXTURE SCHEDULE

E040TITLE 24 (EXTERIOR)

E100OVERALL ELECTRICAL SITE PLAN

E101ENLARGED SITE PLAN POWER/SIGNAL

E101DENLARGED SITE PLAN DEMOLITION

E201ENLARGED SITE PLAN LIGHTING

E500ELECTRICAL DETAILS

E501ELECTRICAL DETAILS

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

2. CONTRACTOR SHALL VERIFY ALL THE DIMENSIONS AND CONDITIONS AT THE JOB SITE PRIOR TO START OF WORK. ARCHITECT AND OWNERS AUTHORIZED REPRESENTATIVE (OAR) SHALL BE NOTIFIED OF ANY DISCREPANCIES.

3. CONTRACTOR SHALL PROTECT ALL SURFACES AND IMPROVEMENTS ON SITE FROM BEING DAMAGED DURING CONSTRUCTION.

4. CONTRACTOR SHALL VERIFY AT FIELD THE EXTEND OF WORK WHICH MAY OR MAY NOT BE INDICATED BY CLOUDS ON THE DRAWINGS.

5. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.

6. STORAGE WITHIN EXISTING BUILDINGS OF PAINTS, SEALANTS OR OTHER HAZARDOUS MATERIALS SHALL NOT EXCEED QUANTITIES AS IDENTIFIED IN TABLE 307.1(1) AND 307.1(2) OF CALIFORNIA BUILDING CODE.

7. ALL CONSTRUCTION NEW (N) UNLESS NOTED EXISTING (E).

8. CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT, CCD, APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

9. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).

10. A 'DSA CERTIFIED' INSPECTOR WITH CLASS (3) CERTIFICATION IS REQUIRED FOR THIS PROJECT.

11. BUILDING SHALL HAVE ITS OVERHEAD NON-STRUCTURAL ELEMENTS SECURED PURSUANT TO DSA STANDARDS.

12. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TEST AND INSPECTIONS FOR THE PROJECT.

13. CONTRACTOR SHALL PROVIDE TEMPORARY EIGHT (8) FEET HIGH CHAIN LINK FENCE BARRICADES WHEREVER NECESSARY TO MAINTAIN A SAFE ENVIRONMENT.

14. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OR REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)

15. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

16. GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS, OR OTHER SURFACE IDENTITIES TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF THE WORK.

17. ALL CORES SHALL BE SCANNED BY THE CONTRACTOR. VERIFY WITH OAR THE LOCATIONS PRIOR TO CORING. DO NOT CUT REINFORCEMENT BARS IN THE CONCRETE SLAB.

18. CONTRACTOR TO PROVIDE GPR SURVEY FOR ALL U/G UTILITIES WITHIN THE CONSTRUCTION BOUNDARIES AND SUBMIT TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL.

19. THE FOLLOWING ITMES ARE EXEMPT FROM DSA REQUIREMENTS FOR STRUCTURAL TESTS / SPECIAL INSPECTIONS.

- POST INSTALLED ANCHORS FOR EXEMPT NON-STRUCTURAL COMPONENTS GIVEN IN CBC SECTION 1617A.1.18.
- CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED FOR ITEMS GIVEN IN CBC SECTION 1705A.3.3.2 SUBJECT TO THE REQUIREMENTS AND LIMITATIONS IN THAT SECTION.
- EPOXY SHEAR DOWELS IN SITE SLATWORK AND/OR OTHER NON-STRUCTURAL CONCRETE.
- TESTING OF REINFORCING BARS IS NOT REQUIRED FOR ITEMS GIVEN IN CBC SECTION 1910A.2 SUBJECT TO THE REQUIREMENTS AND LIMITATIONS IN THAT SECTION.
- HANDRAILS, GUARDRAILS, AND MODULAR OR RELOCATABLE RAMPS ASSOCIATED WITH WALKING SURFACES LESS THAN 30" ABOVE ADJACENT GRADE (EXCLUDING POST BASE CONNECTIONS PER THE 'EXCEPTION' LANGUAGE IN SECTION 1705A.2.1); FILLET WELDS SHALL NOT BE GROUND FLUSH.

Statement of General Conformance

(Application No. 03-123235File No. 19-H16

☒The drawings or sheets listed on the cover or index sheet [marked by asterisk (*)]

☐This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

This Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))

I find that:

☒All drawings or sheets listed on the cover or index sheet

☐This drawing or page

☒is/are in general conformance with the project design, and

☒has/have been coordinated with the project plans and specifications.

☐is/are in general conformance with the project design intent, and

☐has/have been coordinated with the project plans and specifications.

SignatureDate05-05-23

SignatureDate

Architect or Engineer designated to be in general responsible charge

Architect or Engineer delegated responsibility for this portion of the work

HUNG L. CHENG

Print Name

C 341874-30-25

License NumberExpiration Date

License NumberExpiration Date

PROJECT DIRECTORY

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ELECTRICAL ENGINEER

SALAS O'BRIEN

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IRVINE, CA 92618

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CONSTRUCTION TOLERANCES

IN CASES WHERE SLOPE PERCENTAGES AND DIMENSIONS ARE IDENTIFIED ON THESE PLANS FOR ELEMENTS REGULATED BY THE AMERICANS WITH DISABILITIES ACT AND CHAPTER 11B OF THE CALIFORNIA BUILDING CODE, THE SLOPE PERCENTAGES AND DIMENSIONS SHOWN MAY BE MORE STRINGENT THAN REQUIRED BY CODE. DIMENSIONS AND SLOPE GRADIENTS ALLOWED IN CHAPTER 11B OF THE CBC SHALL BE ACCEPTABLE AND DEEMED TO BE IN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, PROVIDED THAT DIMENSION OR SLOPE GRADIENT VARIATION DOES NOT HAVE A NEGATIVE IMPACT IN ADJOINING WORK

SUMMARY OF WORK

QUAD REDESIGN

- REMOVAL OF CONTAMINATED SOIL
- NEW PAVING AND PLANTING

REFERENCE SYMBOLS

FULL BUILDING SECTION

A

LETTER ABOVE - SECTION

A-4

NUMBER BELOW - SHEET NUMBER

A

LETTER ABOVE - SECTION

A-4

NUMBER BELOW - SHEET NUMBER

PARTIAL BUILDING SECTION / WALL SECTION

B

LETTER ABOVE - SECTION

A-4

NUMBER BELOW - SHEET NUMBER

B

LETTER ABOVE - SECTION

A-4

NUMBER BELOW - SHEET NUMBER

EXTERIOR ELEVATION

1

NUMBER ABOVE - ELEVATION NUMBER

A-3

NUMBER BELOW - SHEET NUMBER

1

NUMBER ABOVE - ELEVATION NUMBER

A-3

NUMBER BELOW - SHEET NUMBER

DETAIL

2

NUMBER ABOVE - DETAIL NUMBER

3.01

NUMBER BELOW - SHEET NUMBER

2

NUMBER ABOVE - DETAIL NUMBER

3.01

NUMBER BELOW - SHEET NUMBER

ROOM IDENTIFICATION WITH INTERIOR ELEVATION REFERENCE

101

NUMBER ABOVE - ROOM NUMBER

A-5

NUMBER BELOW - SHEET NUMBER

2

INTERIOR ELEVATION - (REFERENCE ONLY THOSE DRAWN)

A-5

NUMBER BELOW - SHEET NUMBER

DOOR NUMBER IDENTIFICATION

101

DOOR NUMBER - REFER TO SHEET 8.01, 8.02, 8.03

101

DOOR NUMBER - REFER TO SHEET 8.01, 8.02, 8.03

WINDOW TYPE IDENTIFICATION

A

WINDOW TYPE - REFER TO WINDOW DETAILS

A

WINDOW TYPE - REFER TO WINDOW DETAILS

CASEWORK IDENTIFICATION

CASE HEIGHT → 34" ← CASE DEPTH

CASE LENGTH → 24" ← W.I.C. MODEL NUMBER

202 ← LOCKABLE - IF REQUIRED

36" ←

CASE HEIGHT → 34" ← CASE DEPTH

CASE LENGTH → 24" ← W.I.C. MODEL NUMBER

202 ← LOCKABLE - IF REQUIRED

36" ←

TOILET ACCESSORY IDENTIFICATION

3

TOILET ROOM ACCESSORY NUMBER

3

TOILET ROOM ACCESSORY NUMBER

CEILING HEIGHT IDENTIFICATION

8'-0"

CEILING HEIGHT

8'-0"

CEILING HEIGHT

KEYNOTE REFERENCE

2

KEYNOTE REFERENCE NUMBER

2

KEYNOTE REFERENCE NUMBER

COLOR/FINISH REFERENCE

CT-3

COLOR/FINISH REFERENCE - REFER TO SHEET 9.01

CT-3

COLOR/FINISH REFERENCE - REFER TO SHEET 9.01

WALL TYPE REFERENCE

A#

WALL TYPE - REFER TO SHEET 4.01

A#

WALL TYPE - REFER TO SHEET 4.01

FIRE EXTINGUISHER CABINET

F.E.C.

INDICATES SEMI-RECESSED FIRE EXTINGUISHER CABINET (PROVIDE FIRE EXTINGUISHER) - REFER TO SHEET 4.02

F.E.C.

INDICATES SEMI-RECESSED FIRE EXTINGUISHER CABINET (PROVIDE FIRE EXTINGUISHER) - REFER TO SHEET 4.02

MATERIAL SYMBOLS

EARTH

PLYWOOD

SAND & GROUT

FINISH WOOD

CONCRETE

LATH & PLASTER

MASONRY

GYPSON BOARD

STEEL

BATT INSULATION

RIGID INSULATION

ACOUSTICAL CEILING PANEL/ TILE

WALL TYPES

EXISTING WALL TO REMAIN

EXISTING WALL TO BE DEMOED

NEW WALL

PLUMBING FIXTURES

WATER CLOSET

URINAL

LAVATORY

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET

LOS ANGELES, CA 90003

COLIN NO: 10370081

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architecture planning interiors

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT

HUNG L. CHENG

NO. C34187

EXP. 4-30-25

STATE OF CALIFORNIA

SHEET TITLE:

SHT. INDEX, GEN. NOTES AND SYMBOLS

PROJECT NO.: 21011.11PROJECT ARCH:

DRAWN:CHECKED:

SHEET NUMBER

T-2

DATE: 07/05/2023SHEET: OF:

GENERAL NOTES:

1. ALL WORK PERFORMED IN THIS CONTRACT SHALL CONFORM TO:
- A. PROJECT SPECIFICATIONS.
- B. ALL SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) AND STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC).
- C. LOS ANGELES UNIFIED SCHOOL DISTRICT STANDARDS AND SPECIFICATIONS.
- D. CALIFORNIA BUILDING CODE, 2022.

PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS:

4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES IN THE AREA OF WORK WHICH ARE NOT INCLUDED IN THIS CONSTRUCTION. ANY DAMAGE RESULTING FROM THIS WORK SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

REMOVALS:

5. EXISTING STRUCTURES AND SUBSTRUCTURES WHICH ARE INDICATED TO BE REMOVED IN THESE CONSTRUCTION DOCUMENTS SHALL BE TOTALLY REMOVED AND DISPOSED OF OFFSITE, UNLESS OTHERWISE INDICATED. EXISTING FACILITIES WHICH ARE DISCOVERED DURING CONSTRUCTION (INCLUDING WALLS, FOOTINGS AND FOUNDATIONS) SHALL BE REPORTED TO AND COORDINATED WITH THE ARCHITECT/IOR AS TO THEIR REMOVAL. CONTRACTOR WILL NOTIFY THE IOR IN WRITING PRIOR TO COMMENCING THE WORK.

6. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE IOR. SECURE THE REQUIRED PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR THE CONSTRUCTION OF TRENCHES, SHORING OR EXCAVATIONS WHICH ARE 5 FEET OR DEEPER OR WORK THAT MAY JEOPARDIZE THE WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR APPROVAL AND PERMITTING.

7. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE CITY AND JURISDICTIONAL AGENCY.

8. ALL FILL OR BACKFILL SHALL BE COMPACTED 95% DENSITY PER ASTM D1557.

9. CONSTRUCTION STAKING AND ADJUSTMENTS FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE CONTRACT.

10. VOIDS RESULTING FROM REMOVAL WORK SHALL BE FILLED WITH SUITABLE MATERIALS APPROVED BY THE OWNER RETAINED GEOTECHNICAL ENGINEER AND COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D-1557.

11. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL REMOVE EXISTING CONSTRUCTION FENCING, APPURTENANCES AND OFFICE TRAILERS FROM THE SITE. PAVEMENT SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT PAVEMENT AND APPROVED BY THE IOR AS APPLICABLE.

12. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.

13. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.

14. GRADE LAWN, TURF, AND PLANTING AREA 1-1/2" BELOW DESIGN GRADES INDICATED.

15. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA. INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.

16. IF EXISTING UTILITIES ARE EXPOSED OR DETERMINED TO EXIST UNDER THE ROUGH GRADING SITE, CONTRACTOR SHALL PROVIDE A FLAGGED STAKE THAT INDICATES THEIR LOCATION, TYPE OF UTILITY, SIZE, PIPE MATERIAL AND DEPTH. STAKES SHALL BE INSTALLED NO LESS THAN 50' ON CENTER ON STRAIGHT LINES AND AT BENDS.

17. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.

18. THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.

19. ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE INSPECTOR OF RECORD UPON REQUEST.

20. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY A LICENSED SURVEYOR. PRIOR TO GRADING, AS REQUESTED BY THE INSPECTOR OF RECORD, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.

GENERAL NOTES (cont.):

21. IF GRADING AUTHORIZED BY THIS PLAN IS TO EXTEND THROUGH THE RAINY SEASON, OCTOBER 1 THROUGH APRIL 15 OF THE FOLLOWING YEAR, SEPARATE UPDATED PLANS FOR EROSION CONTROL MUST BE SUBMITTED PRIOR TO OCTOBER TO LAUSD FOR APPROVAL. CONTRACTOR TO PROVIDE STORM WATER PREVENTION PLAN, PRE-CONSTRUCTION AND POST CONSTRUCTION BMPs AND UPDATE FROM TIME TO TIME TO COMPLY WITH THE REQUIREMENTS.

22. CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE PERIMETER OF THE CONSTRUCTION SITE AND STAGING AREA. FENCING SHALL BE MINIMUM 8' TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES.

23. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUND WATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.

24. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.

25. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE OWNER WITH A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS OF ALL WORK PERFORMED UNDER THIS CONTRACT, AS SHOWN WITHIN THESE CONSTRUCTION DRAWINGS. ALL FIELD CHANGES SHALL BE SHOWN IN DETAIL ON THE "AS-BUILT" DRAWINGS AND SHALL INCORPORATE AS A MINIMUM, NEW ELEVATIONS, GRADES AND ALIGNMENT OF UNDERGROUND FACILITIES WITH DIMENSIONAL TIES TO BUILDINGS OR OTHER VISIBLE IMPROVEMENTS.

26. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.

LEGENDS:

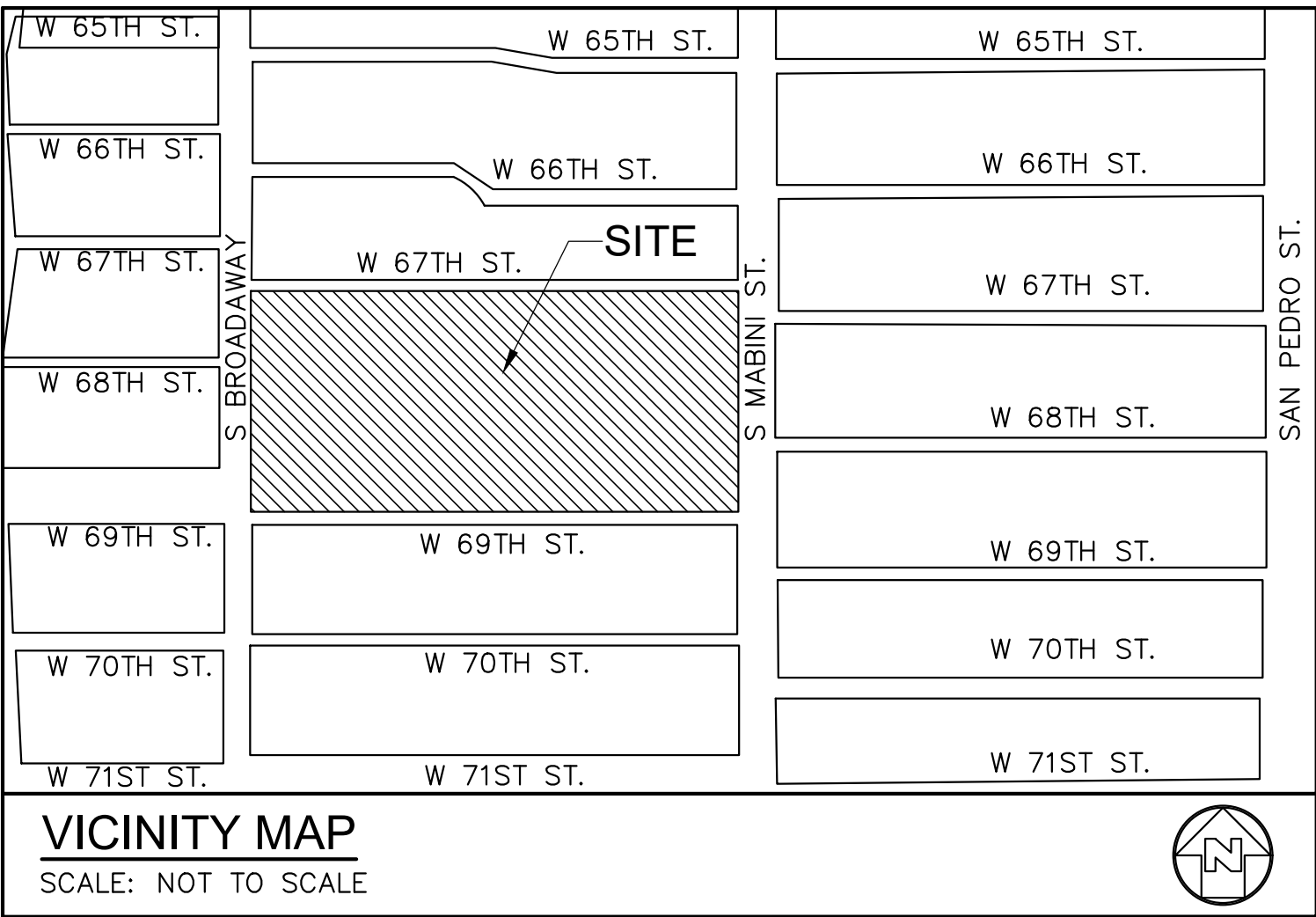
	CONCRETE PAVEMENT
	PLANTER AREA
	REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
	CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.
	REMOVE EXISTING WALL
	REMOVE EXISTING UNDERGROUND UTILITY LINES
	LIMIT OF WORK
	LIMIT OF REMOVAL
	CENTER LINE
	PROPERTY LINE
	CHAIN LINK FENCE
	WROUGHT IRON FENCE
	EXISTING CONTOUR LINE
	EXISTING PILLAR/BUILDING
	EXISTING TREE
	EXISTING GRADE ELEVATION
	POWER POLE
	STREET SIGN
	GUARD POST
	CLEANOUT/PIPE
	CATCH BASIN
	YARDBOX
	BUILDING DOOR
	LIGHT STANDARD

ABBREVIATIONS:

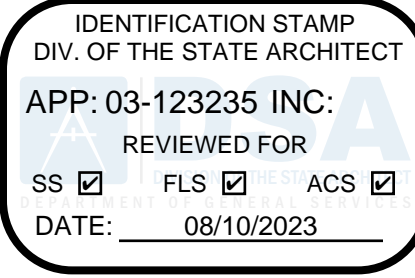
AC	ASPHALT CONCRETE	NG	NATURAL GROUND
APS	ACCESSIBLE PARKING SIGN	PA	PLANTING AREA
BBS	BOTTOM OF BOTTOM STEP	PP	POWER POLE
BLDG	BUILDING	R	RIDGE
BM	BENCHMARK	SCO	SEWER CLEANOUT
BW	BACK OF SIDEWALK	SLHV	STREET LIGHT VAULT
BX	BOTTOM OF DRIVEWAY "X"	SMH	SEWER MANHOLE
CC	CEMENT CONCRETE	SD	STORM DRAIN
CO	CLEANOUT	SS	STREET SIGN
DF	DRINKING FOUNTAIN	SV	SIGNAL VAULT
DS	DOWNSPOUT	TA	TREE AREA
DWY	DRIVEWAY	TC	TOP OF CURB
EG	EDGE OF GUTTER	TCB	TOP OF CATCH BASIN
EV	ELECTRICAL VAULT	TE	TOP OF ELEVATION
FF	FINISH FLOOR	TG	TOP OF GRATE
FH	FIRE HYDRANT	TH	THRESHOLD
FL	FLOWLINE	TSV	TRAFFIC SIGNAL VAULT
GB	GRADE BREAK	TTS	TOP OF TOP STEP
GM	GAS METER	TW	TOP OF WALL
GP	GUARD POST	TX	TOP OF DRIVEWAY "X"
GV	GAS VALVE	TYP	TYPICAL
ICV	IRRIGATION CONTROL VALVE	UV	UTILITY VAULT
INV	INVERT	VIF	VERIFY IN FIELD
LAND	LANDING	WM	WATER METER
LS	LIGHT STANDARD	WV	WATER VALVE
		YB	YARDBOX (ELEC., GAS, GROUND, SEWER, UTIL., WATER)

SHEET INDEX:

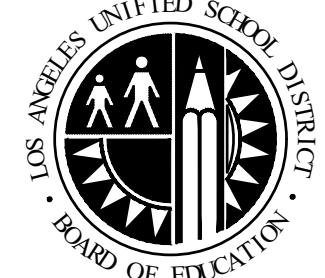
C100	GENERAL NOTES, LEGENDS, AND ABBREVIATIONS
C101	EXISTING CONDITIONS
CD100	OVERALL SITE DEMOLITION PLAN
CD101	ENLARGED SITE DEMOLITION PLAN
CD102	ENLARGED SITE DEMOLITION PLAN
C200	OVERALL SITE CONTROL PLAN
C201	ENLARGED SITE CONTROL PLAN
C202	ENLARGED SITE CONTROL PLAN
C203	ENLARGED SITE COORDINATES PLAN
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C300	OVERALL SITE GRADING PLAN
C301	ENLARGED SITE GRADING PLAN
C302	ENLARGED SITE GRADING PLAN
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C401	ENLARGED SITE UTILITY PLAN
C402	ENLARGED SITE UTILITY PLAN
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C601	EROSION CONTROL DETAILS
C602	EROSION CONTROL DETAILS
C700	MISCELLANEOUS DETAILS
C701	MISCELLANEOUS DETAILS



DIVISION OF THE STATE ARCHITECT



A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

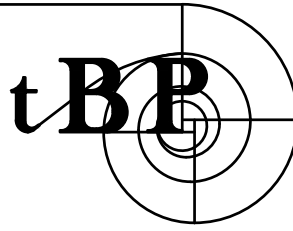
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

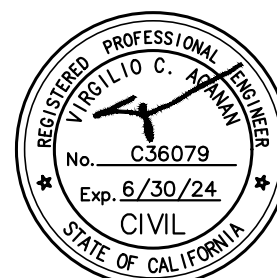
architecture
planning
interiors

CONSULTANT



MCA ENGINEERS INC.
1041 S Garfield Ave Suite #210, Alhambra,
CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS



SHEET TITLE:

GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

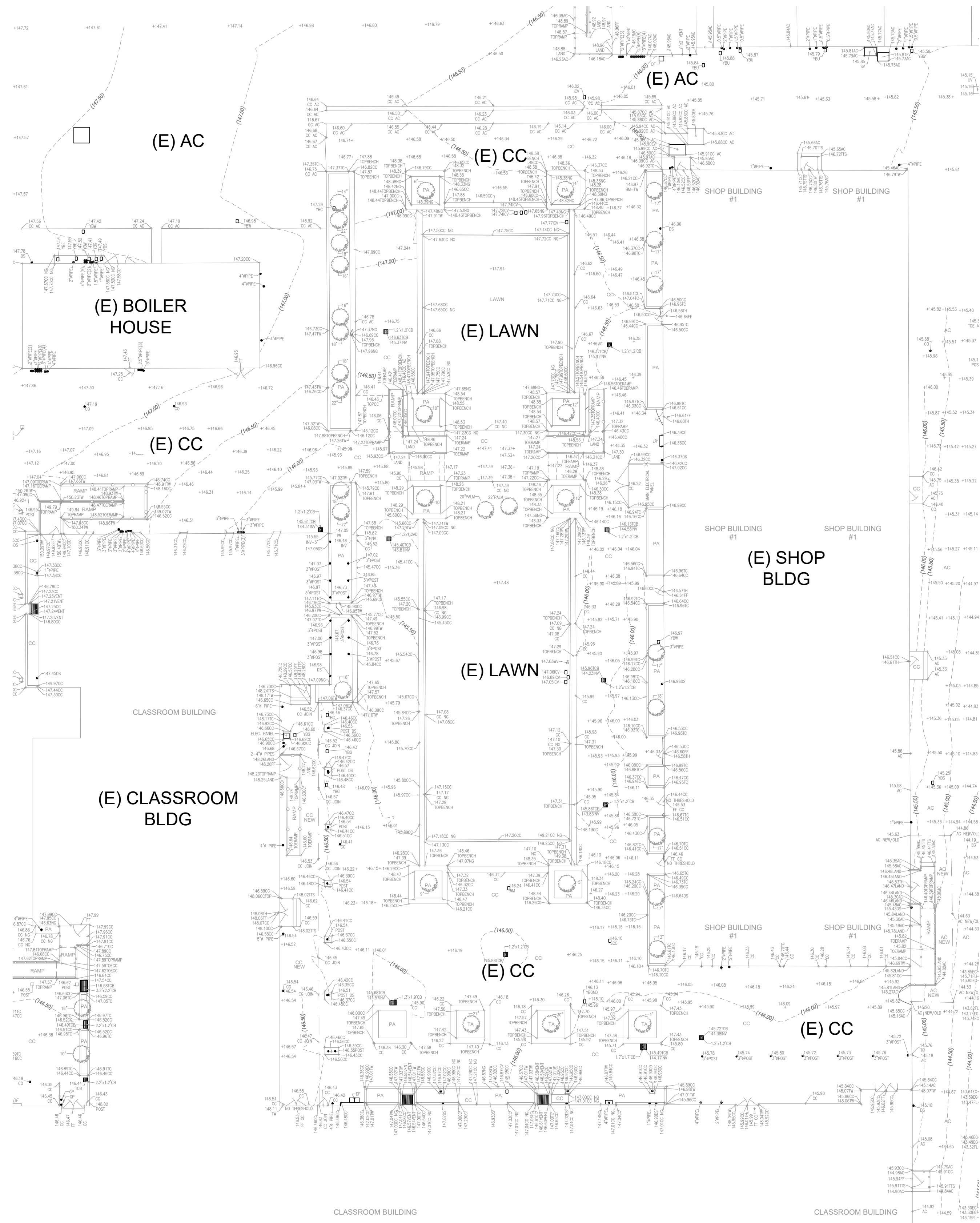
CHECKED:

SHEET NUMBER

C100

DATE: 07/05/2023

SHEET: 1 OF: 24



LEGENDS:

CENTER LINE	---
PROPERTY LINE	---
CHAIN LINK FENCE	---
WROUGHT IRON FENCE	---
EXISTING CONTOUR LINE	---
EXISTING PILLAR/BUILDING	---
EXISTING TREE	---
EXISTING GRADE ELEVATION	---
POWER POLE	---
STREET SIGN	---
GUARD POST	---
CLEANOUT/PIPE	---
CATCH BASIN	---
YARDBOX	---
BUILDING DOOR	---
LIGHT STANDARD	---

ABBREVIATIONS:

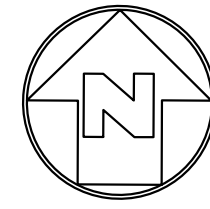
AC	ASPHALT CONCRETE	NG	NATURAL GROUND
APS	ACCESSIBLE PARKING SIGN	PA	PLANTING AREA
BM	BENCHMARK	PP	POWER POLE
BW	BACK OF SIDEWALK	SCO	SEWER CLEANOUT
BX	BOTTOM OF DRIVEWAY "X"	SLHV	STREET LIGHT VAULT
CC	CEMENT CONCRETE	SMH	SEWER MANHOLE
CO	CLEANOUT	SD	STORM DRAIN
DF	DRINKING FOUNTAIN	SS	STREET SIGN
DS	DOWNSPOUT	SV	SIGNAL VAULT
DWY	DRIVEWAY	TA	TREE AREA
EG	EDGE OF GUTTER	TH	THRESHOLD
EV	ELECTRICAL VAULT	TC	TOP OF CURB
FF	FINISH FLOOR	TCB	TOP OF CATCH BASIN
FH	FIRE HYDRANT	TSV	TRAFFIC SIGNAL VAULT
FL	FLOWLINE	TTS	TOP OF TOP STEP
GM	GAS METER	TW	TOP OF WALL
GP	GUARD POST	TX	TOP OF DRIVEWAY "X"
GV	GAS VALVE	UV	UTILITY VAULT
ICV	IRRIGATION CONTROL VALVE	WM	WATER METER
INV	INVERT	WV	WATER VALVE
LAND	LANDING		
LS	LIGHT STANDARD		
YB	YARDBOX (ELEC., GAS, GROUND, SEWER, UTIL., WATER)		

SURVEYORS NOTES:

- THIS MAP REPRESENTS A TOPOGRAPHIC SURVEY OF VISIBLE FIELD CONDITIONS AT THE TIME OF THIS SURVEY. NO EASEMENTS, COVENANTS, CONDITIONS, OR RESTRICTIONS HAVE BEEN DETERMINED FOR THIS SURVEY.
- THE VERTICAL BASIS FOR THIS SURVEY IS THE CITY OF LOS ANGELES BENCHMARK,

CHIS TW @NW CORNER; W/O NW CORNER SHOP

ELEVATION = 146.97 FEET



EXISTING CONDITIONS



SCALE: 1"=20'

DIVISION OF THE STATE ARCHITECT

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A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

ASSET MANAGEMENT

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

IBP/Architecture

4011 Teller Avenue

Newport Beach, CA 92660

ph: 949.673.0300 fx: 949.732.3895

CONSULTANT

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CA 91801

Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS

PROFESSIONAL SEAL

REGISTERED PROFESSIONAL ENGINEER

NO. C36079

Exp. 6/30/24

CIVIL

STATE OF CALIFORNIA

SHEET TITLE:

EXISTING CONDITIONS

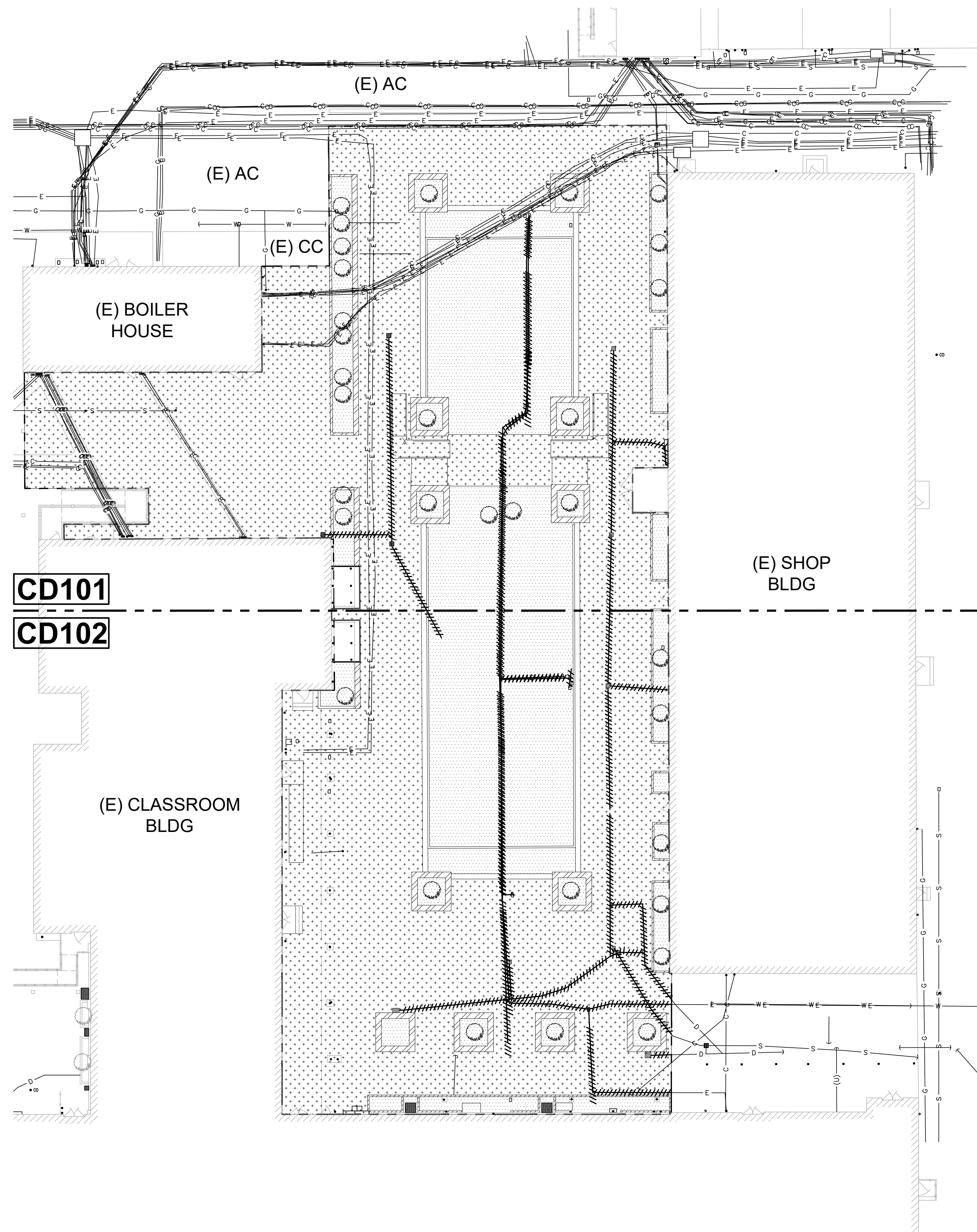
PROJECT NO: 21011.11 PROJECT ARCH:

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SHEET NUMBER

C101

DATE: 07/05/2023 SHEET: 2 OF: 24

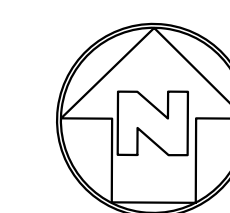


REMOVAL LEGENDS:

- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.
- REMOVE EXISTING WALL
- REMOVE EXISTING UNDERGROUND UTILITY LINES.
- LIMIT OF REMOVAL

GENERAL DEMOLITION NOTES:

- FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
- PROTECT IN PLACE EXISTING SEWER LINES, CLEANOUTS, MANHOLES, UNLESS OTHERWISE INDICATED.
- PROTECT IN PLACE EXISTING WATER LINES, UNLESS OTHERWISE INDICATED.
- PROTECT IN PLACE EXISTING STORM DRAIN LINES, CLEANOUTS, MANHOLES, UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL VERIFY LOCATION AND ELEVATIONS OF EXISTING ABOVE AND UNDERGROUND UTILITIES AND NOTIFY IOR, OAR, AND ARCHITECT OF ANY CONFLICTS WITH DESIGN PRIOR TO THE COMMENCEMENT OF WORK.
- DAMAGE TO ANY EXISTING UTILITIES AND SERVICES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF CAUSED BY THE CONTRACTOR, CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
- CONTRACTOR TO PROTECT IN PLACE ALL ELECTRICAL DEVICES/EQUIPMENT/LIGHT POLES WITH FIXTURES & BASES WITH ASSOCIATED CONDUIT & WIRING, UNLESS OTHERWISE INDICATED.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS, AND STREETS.
- PROTECT IN PLACE EXISTING FENCES & GATES WITHIN OR ADJACENT TO PROJECT LIMIT AND ADJUST TO NEW GRADING UNLESS OTHERWISE NOTED.
- SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE INFORMATION NOT SHOWN ON THIS DRAWING.
- ALL EXISTING IMPROVEMENTS, UNLESS OTHERWISE INDICATED HEREIN TO BE REMOVED, SHALL BE PROTECTED IN PLACE.
- UTILITIES TO BE VERIFIED IN FIELD TO ENSURE NOT TO AFFECT SERVICES OF EXISTING FACILITIES TO REMAIN.
- ADJUST TOP OF GRATES AND CLEAN-OUTS TO NEW GRADE AS SHOWN ON THE PLANS, INCLUDING OTHER UTILITY COVER, UTILITY BOX, ETC., COORDINATE AND NOTIFY WITH IOR PRIOR TO ADJUSTMENT.
- CONTRACTOR TO COORDINATE WITH THE IOR AND OAR PRIOR REMOVAL, DEMOLITION FOR ANY PORTION OF EXISTING STRUCTURE AFFECTING THE INSTALLATION OF UNDERGROUND UTILITIES. ENCLOSED AREAS WITH TEMPORARY FENCES AS SHOWN IN THE DRAWINGS.
- SAWCUT EXISTING PAVEMENT WHERE REQUIRED. SAWCUT TO BE A MINIMUM CUT DEPTH OF 1 1/2".
- DOCUMENT ALL EXISTING CONDITION BY USE OF VIDEO CAMERA.
- ALL AREAS TO REMAIN SHALL BE BROUGHT BACK TO ORIGINAL CONDITION SUCH AS AC PAVEMENT, CONCRETE PAVEMENT, PLANTER AREAS, AND ETC.
- CONTRACTOR SHALL ENSURE THE INTEGRITY OF ALL SURROUNDING STRUCTURES DURING CONSTRUCTION, THIS IS TO INCLUDE BUT NOT LIMITED TO (E) SITE WALLS, (E) BUILDING, (E) UTILITY VAULT, (E) UTILITY MANHOLE, (E) DUCTBANK, (E) POST, (E) STRUCTURES AND (E) UTILITY LINES.
- CONTRACTOR TO VERIFY IN FIELD THE JOINING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE AOR AND IOR PRIOR TO THE COMMENCEMENT OF WORK.



OVERALL SITE DEMOLITION PLAN

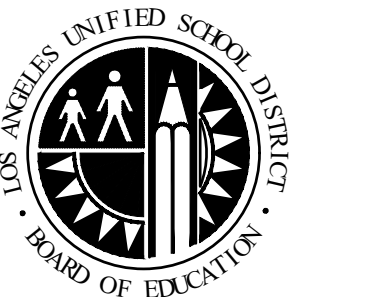


SCALE: 1"=20'

DIVISION OF THE STATE ARCHITECT

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LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

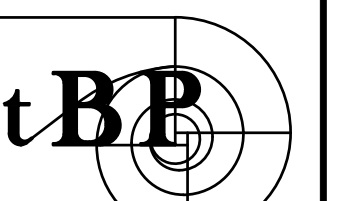
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



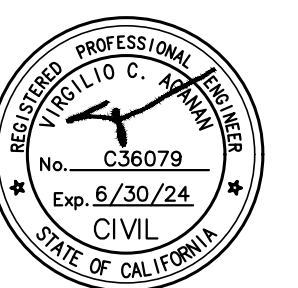
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

OVERALL SITE DEMOLITION PLAN

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

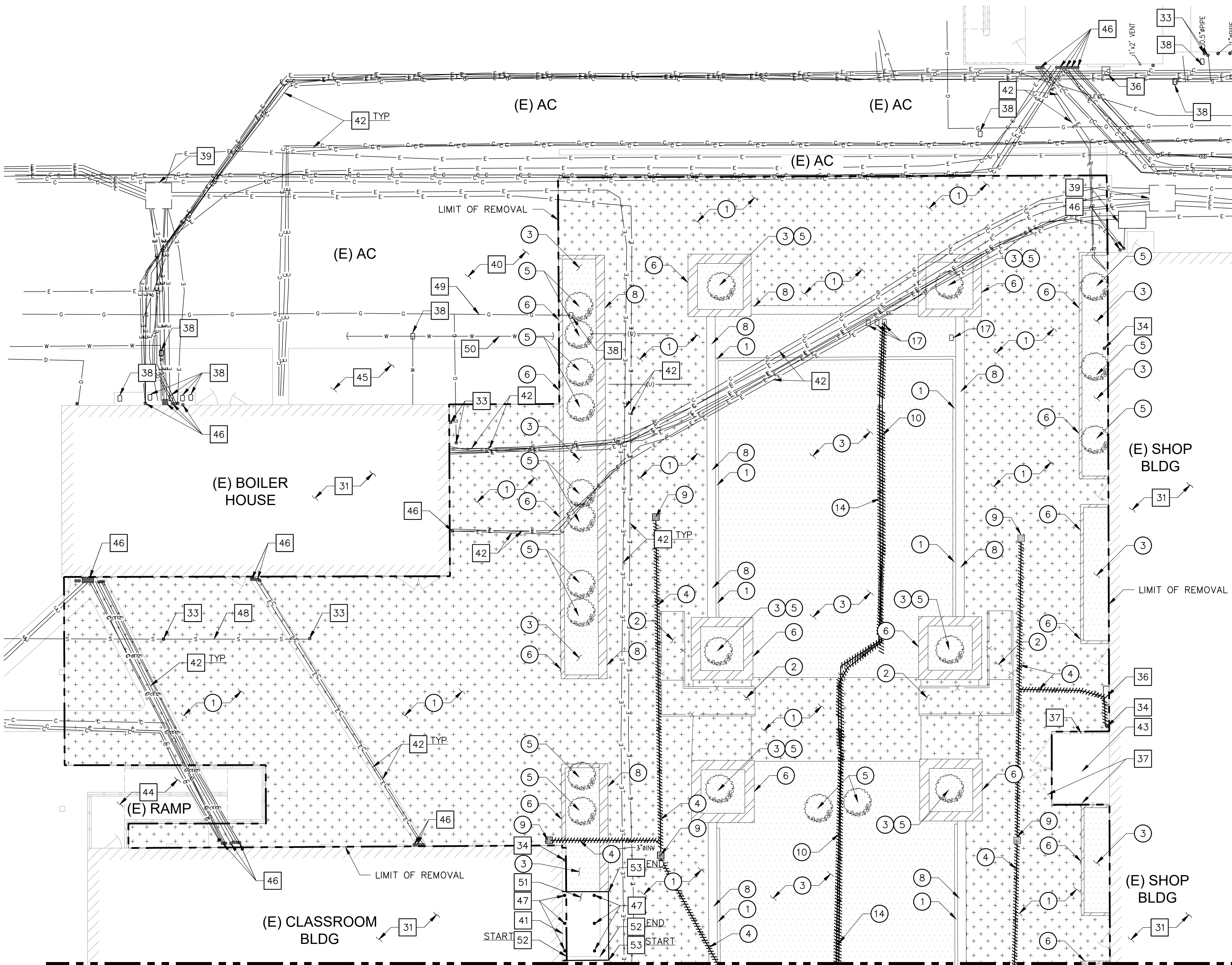
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SHEET NUMBER

CD100

DATE: 07/05/2023

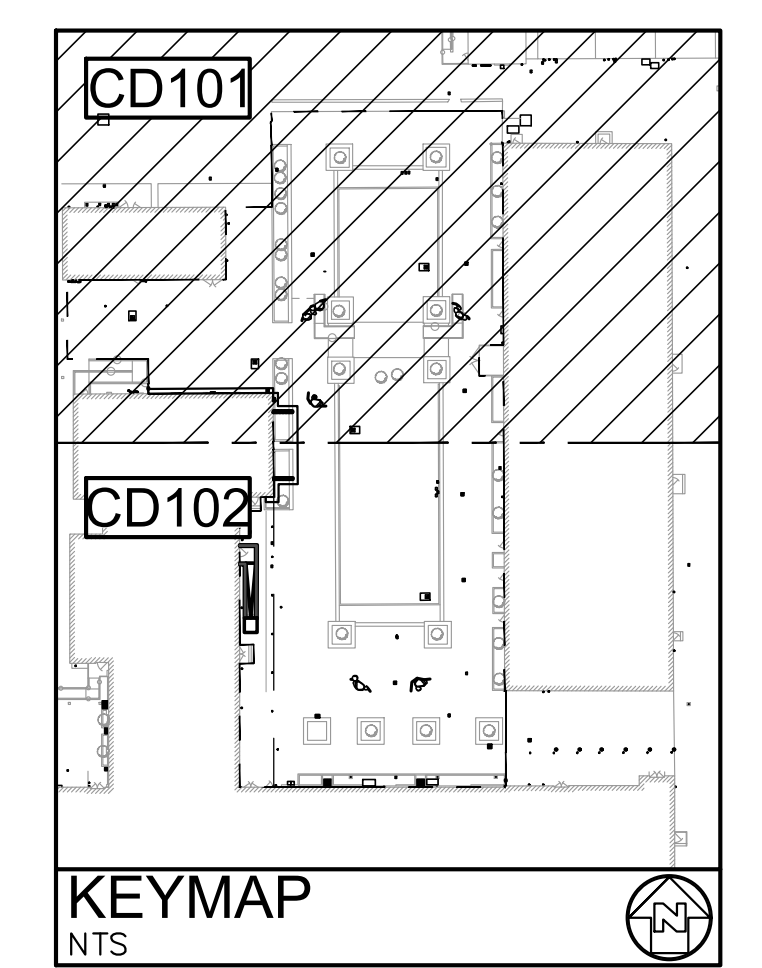
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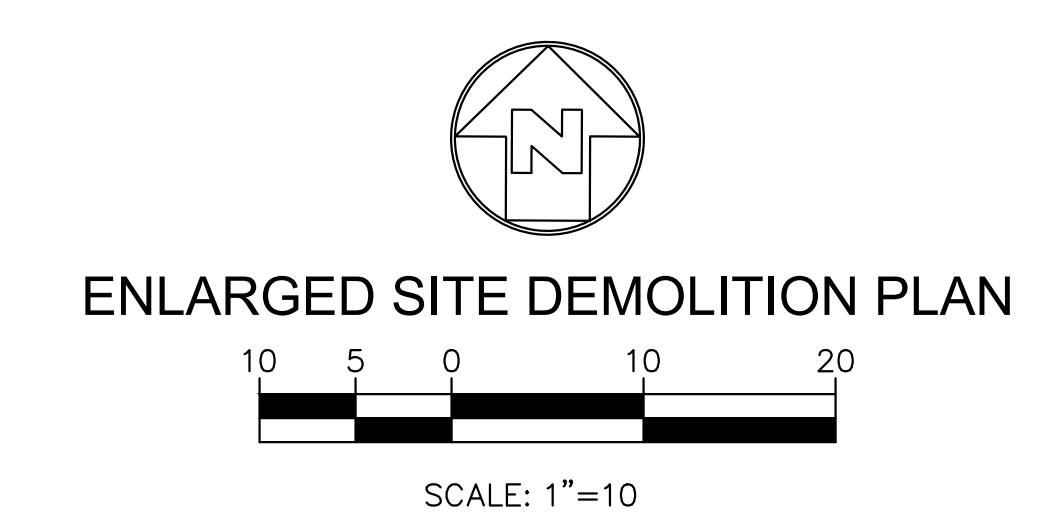
MATCH LINE - SEE SHEET CD102

- REMOVAL LEGENDS:**
- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
 - CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.
 - REMOVE EXISTING WALL
 - REMOVE EXISTING UNDERGROUND UTILITY LINES.
 - LIMIT OF REMOVAL

- SHEET NOTES:**
- FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
 - SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
 - FOR GENERAL DEMOLITION NOTES SEE SHEET CD100.
 - REFER TO LANDSCAPE DRAWINGS FOR DEMOLITION OF IRRIGATION LINES.



- REMOVAL NOTES:**
- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
 - REMOVE EXISTING TMP RAMP, FOOTINGS AND HAND RAILS IN ITS ENTIRETY.
 - CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS.
 - REMOVE EXISTING AND INSTALL NEW STORM DRAIN LINES PER UTILITY PLANS.
 - REMOVE EXISTING TREE IN ITS ENTIRETY. COORDINATE WITH LANDSCAPE DRAWINGS.
 - REMOVE EXISTING CONCRETE PLANTER WALL AND FOOTINGS IN ITS ENTIRETY.
 - REMOVE EXISTING CONCRETE BENCH IN ITS ENTIRETY.
 - REMOVE EXISTING AND INSTALL NEW CATCH BASIN PER UTILITY PLANS. ADJUST TO GRADE AS REQUIRED.
 - REMOVE EXISTING AND INSTALL NEW POWER SYSTEM CONDUITS AND CONDUCTORS. ALL SYSTEM CONDUCTORS SHALL BE RE-ROUTED FOR CONNECTIVITY WITH NEW CONDUITS AND CONDUCTORS. REFER TO ELECTRICAL DRAWINGS.
 - REMOVE EXISTING AND INSTALL NEW WATER LINES PER LANDSCAPE PLANS
 - REMOVE EXISTING IRRIGATION CONTROL VALVE AND INSTALL NEW PER LANDSCAPE PLANS ADJUST TO NEW DESIGN GRADE AS REQUIRED.
- PROTECT-IN-PLACE NOTES:**
- PROTECT IN PLACE EXISTING BUILDING.
 - PROTECT IN PLACE EXISTING UTILITY PULL BOX, MANHOLE, WATER VALVE, AND CLEANOUTS. ADJUST TO NEW DESIGN GRADES AS REQUIRED.
 - PROTECT IN PLACE EXISTING DOWNSPOUT/POST DOWNSPOUT.
 - PROTECT IN PLACE EXISTING DRINKING FOUNTAIN.
 - PROTECT IN PLACE EXISTING CHAIN LINK FENCE AND GATE.
 - PROTECT IN PLACE EXISTING YARDBOX (ELEC., GAS, GROUND, SEWER, UTIL., WATER).
 - PROTECT IN PLACE EXISTING ELECTRIC VAULT.
 - PROTECT IN PLACE EXISTING ASPHALT PAVEMENT.
 - PROTECT IN PLACE EXISTING CURB.
 - PROTECT IN PLACE EXISTING ELECTRICAL, COMMUNICATIONS, UNKNOWN LINES.
 - PROTECT IN PLACE EXISTING MAIN ELECTRICAL PANEL.
 - PROTECT IN PLACE EXISTING CONCRETE RAMP.
 - PROTECT IN PLACE EXISTING CONCRETE PAVEMENT.
 - PROTECT IN PLACE EXISTING ELECTRIC AND COMMUNICATIONS CONDUITS.
 - PROTECT IN PLACE EXISTING FOOTING AND POLE.
 - PROTECT IN PLACE EXISTING SEWER LINES.
 - PROTECT IN PLACE EXISTING GAS LINES.
 - PROTECT IN PLACE EXISTING WATER LINES.
 - PROTECT IN PLACE EXISTING GRUB, TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS. COORDINATE WITH THE DISTRICT PRIOR TO REMOVAL OF ADJACENT PLANTER.
 - PROTECT IN PLACE EXISTING PLANTER WALL.
 - PROTECT IN PLACE EXISTING CONCRETE BENCH. COORDINATE WITH THE DISTRICT PRIOR TO REMOVAL OF ADJACENT CONCRETE BENCH.



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
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LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

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155 W 69TH STREET
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STAMPS/SEALS

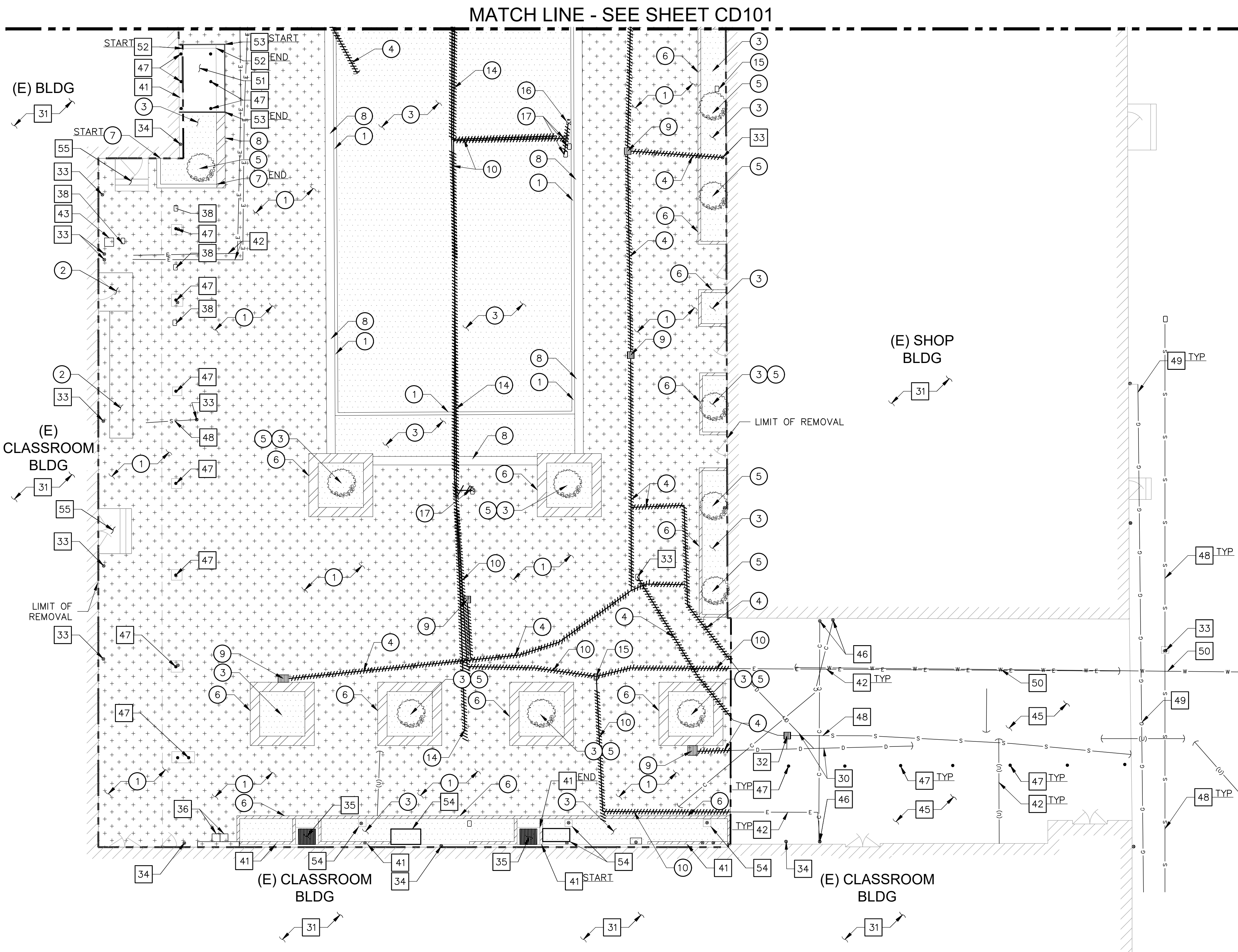
SHEET TITLE:

ENLARGED SITE
DEMOLITION PLAN

PROJECT NO.: 21011.11 PROJECT ARCH:
DRAWN: CHECKED:
SHEET NUMBER

CD101

DATE: 07/05/2023 SHEET: 4 OF: 24



REMOVAL LEGENDS:

- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.
- REMOVE EXISTING WALL
- REMOVE EXISTING UNDERGROUND UTILITY LINES.
- LIMIT OF REMOVAL

SHEET NOTES:

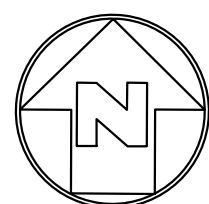
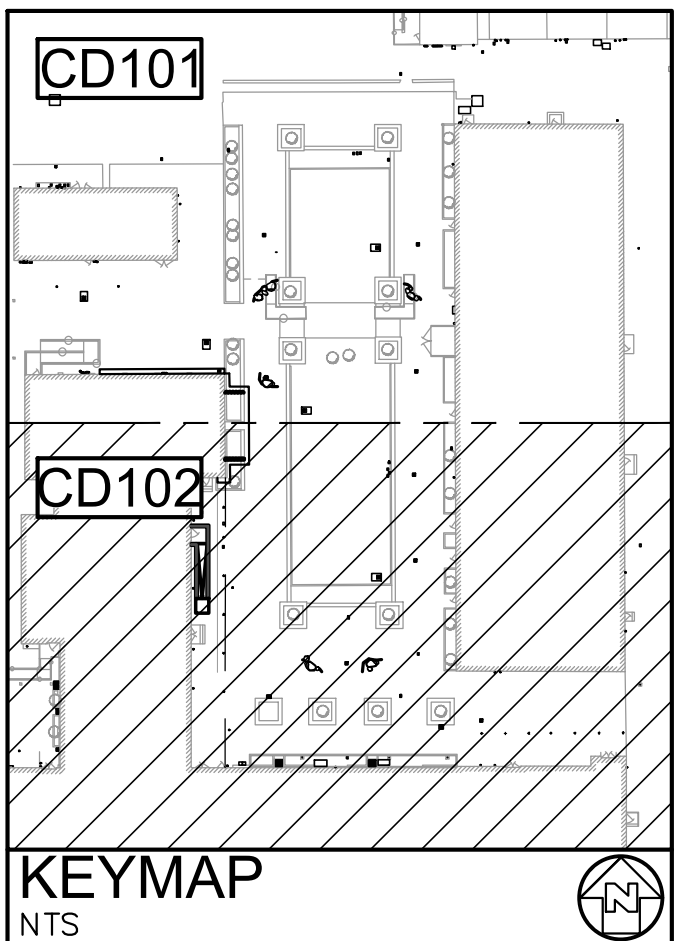
- FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
- SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
- FOR GENERAL DEMOLITION NOTES SEE SHEET CD100.
- REFER TO LANDSCAPE DRAWINGS FOR DEMOLITION OF IRRIGATION LINES.

REMOVAL NOTES:

- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- REMOVE EXISTING TMP RAMP, FOOTINGS AND HAND RAILS IN ITS ENTIRETY.
- CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS.
- REMOVE EXISTING AND INSTALL NEW STORM DRAIN LINES PER UTILITY PLANS.
- REMOVE EXISTING TREE IN ITS ENTIRETY. COORDINATE WITH LANDSCAPE DRAWINGS.
- REMOVE EXISTING CONCRETE PLANTER WALL AND FOOTINGS IN ITS ENTIRETY.
- REMOVE EXISTING CURB IN ITS ENTIRETY.
- REMOVE EXISTING CONCRETE BENCH IN ITS ENTIRETY.
- REMOVE EXISTING AND INSTALL NEW CATCH BASIN PER UTILITY PLANS. ADJUST TO GRADE AS REQUIRED.
- REMOVE EXISTING AND INSTALL NEW POWER SYSTEM CONDUITS AND CONDUCTORS. ALL SYSTEM CONDUCTORS SHALL BE RE-ROUTED FOR CONNECTIVITY WITH NEW CONDUITS AND CONDUCTORS. REFER TO ELECTRICAL DRAWINGS.
- REMOVE EXISTING AND INSTALL NEW WATER LINES PER LANDSCAPE PLANS
- REMOVE EXISTING AND INSTALL NEW YARDBOX (ELEC.,GAS,GROUND, SEWER,UTIL.,WATER).
- REMOVE EXISTING AND INSTALL NEW UTILITY PULL BOX, MANHOLE, WATER VALVE, AND CLEANOUTS. ADJUST TO NEW DESIGN GRADES AS REQUIRED.
- REMOVE EXISTING IRRIGATION CONTROL VALVE AND INSTALL NEW PER LANDSCAPE PLANS ADJUST TO NEW DESIGN GRADE AS REQUIRED.

PROTECT-IN-PLACE NOTES:

- PROTECT IN PLACE EXISTING STORM DRAIN LINES.
- PROTECT IN PLACE EXISTING BUILDING.
- PROTECT IN PLACE CATCH BASIN / DRAIN INLET. ADJUST TO NEW DESIGN GRADES AS REQUIRED.
- PROTECT IN PLACE EXISTING UTILITY PULL BOX, MANHOLE, WATER VALVE, AND CLEANOUTS. ADJUST TO NEW DESIGN GRADES AS REQUIRED.
- PROTECT IN PLACE EXISTING DOWNSPOUT/POST DOWNSPOUT.
- PROTECT IN PLACE EXISTING VENT, WINDOW WELL, AND GRATE.
- PROTECT IN PLACE EXISTING DRINKING FOUNTAIN.
- PROTECT IN PLACE EXISTING YARDBOX (ELEC.,GAS,GROUND, SEWER,UTIL.,WATER).
- PROTECT IN PLACE EXISTING CURB.
- PROTECT IN PLACE EXISTING ELECTRICAL, COMMUNICATIONS, UNKNOWN LINES.
- PROTECT IN PLACE EXISTING MAIN ELECTRICAL PANEL.
- PROTECT IN PLACE EXISTING CONCRETE PAVEMENT.
- PROTECT IN PLACE EXISTING ELECTRIC AND COMMUNICATIONS CONDUITS.
- PROTECT IN PLACE EXISTING FOOTING AND POLE.
- PROTECT IN PLACE EXISTING SEWER LINES.
- PROTECT IN PLACE EXISTING GAS LINES.
- PROTECT IN PLACE EXISTING WATER LINES.
- PROTECT IN PLACE EXISTING GRUB, TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS. COORDINATE WITH THE DISTRICT PRIOR TO REMOVAL OF ADJACENT PLANTER.
- PROTECT IN PLACE EXISTING PLANTER WALL.
- PROTECT IN PLACE EXISTING CONCRETE BENCH. COORDINATE WITH THE DISTRICT PRIOR TO REMOVAL OF ADJACENT CONCRETE BENCH.
- PROTECT IN PLACE EXISTING CONCRETE UTILITY PAD.
- PROTECT IN PLACE EXISTING STAIRS AND HAND RAILS IN ITS ENTIRETY.



ENLARGED SITE DEMOLITION PLAN

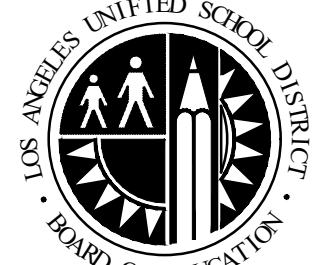


SCALE: 1"=10'

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333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

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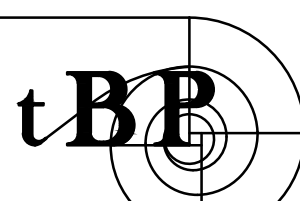
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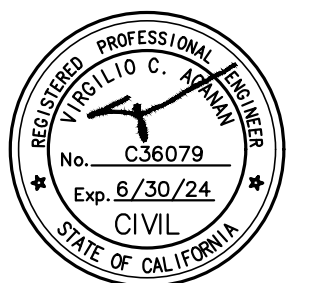
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architecture
planning
interiors

CONSULTANT



STAMPS/SEALS



**ENLARGED SITE
DEMOLITION PLAN**

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

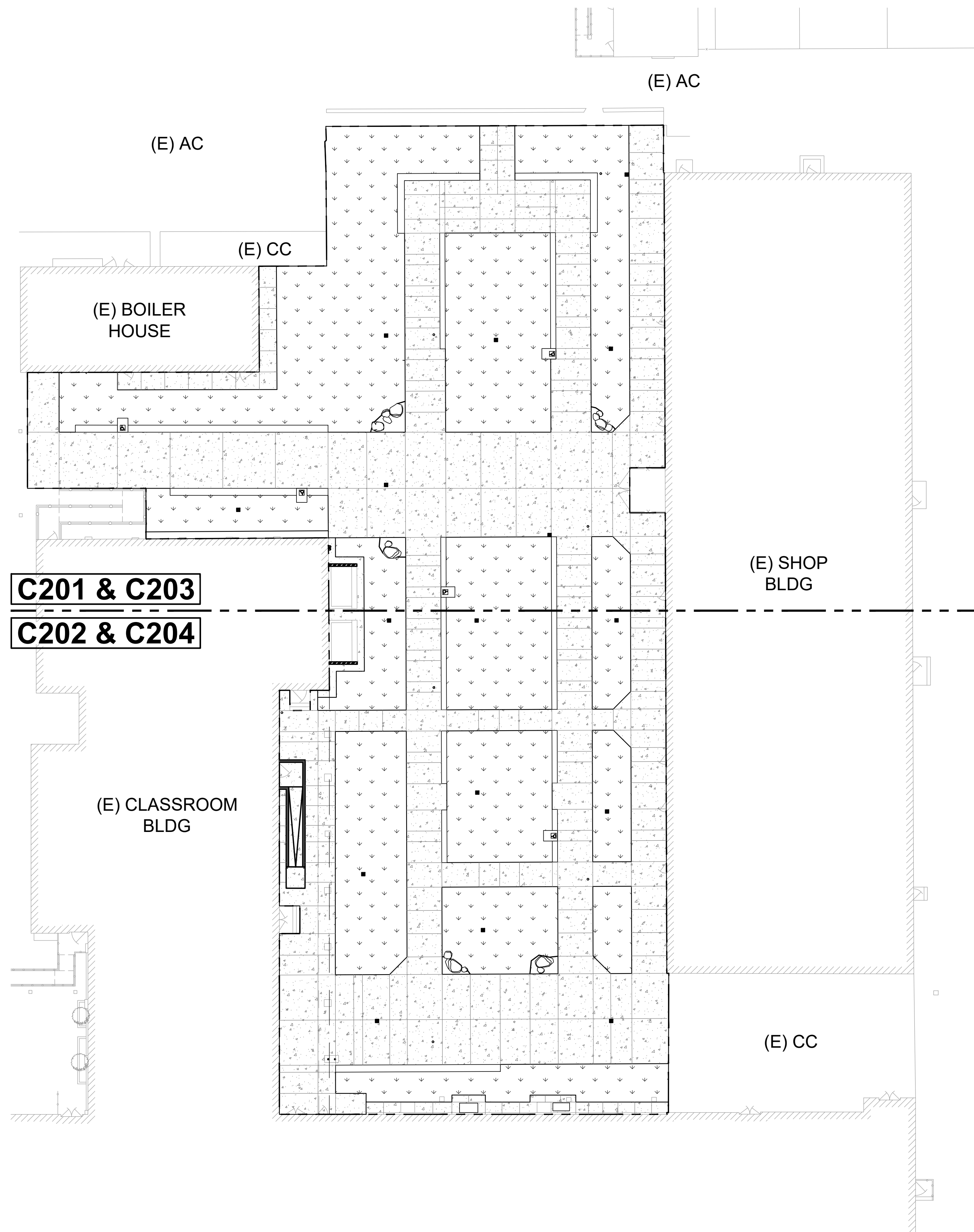
SHEET NUMBER

CD102

DATE: 07/05/2023

SHEET: 5

OF: 24

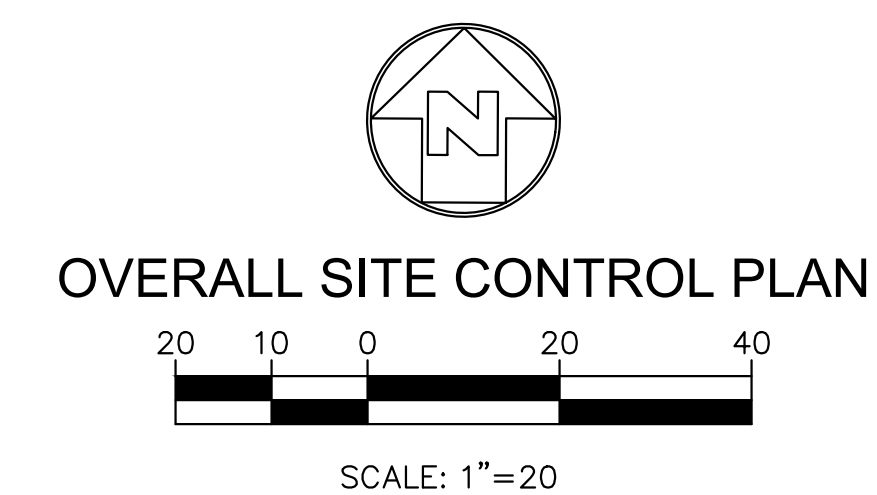


LEGENDS:

- CONCRETE PAVEMENT
- PLANTER AREA
- WALL
- LIMIT OF WORK

SHEET NOTES:

- FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
- REFER TO LANDSCAPE AND ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.



OVERALL SITE CONTROL PLAN

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architecture
planning
interiors

CONSULTANT

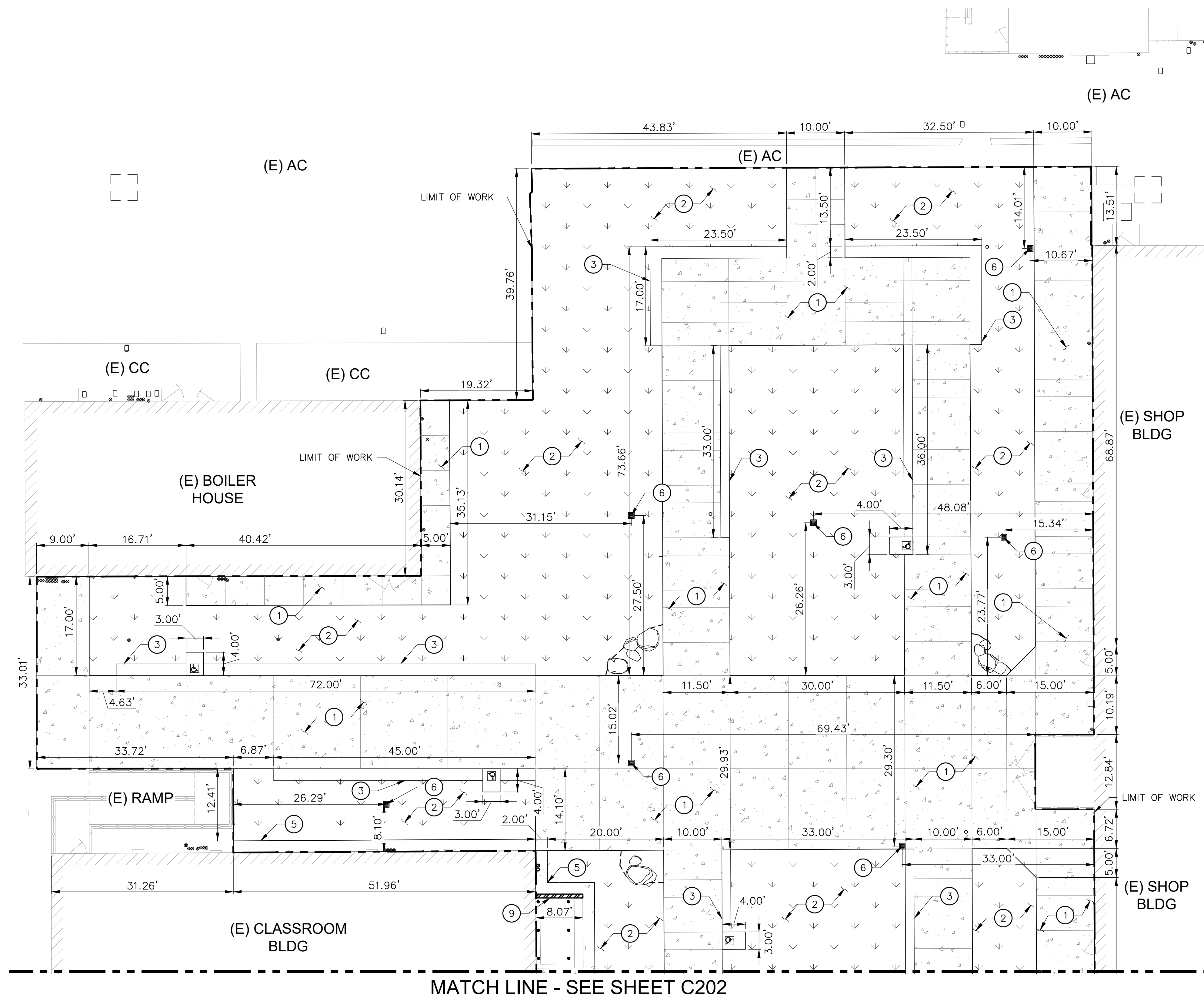
MCA ENGINEERS INC.
1041 S Garfield Ave Suite #210, Alhambra,
CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS

SHEET TITLE:

OVERALL SITE
CONTROL PLAN

PROJECT NO.: 21011.11 PROJECT ARCH:
DRAWN: CHECKED:
SHEET NUMBER
C200
DATE: 07/05/2023 SHEET: 6 OF: 24



MATCH LINE - SEE SHEET C202

CONSTRUCTION NOTES:

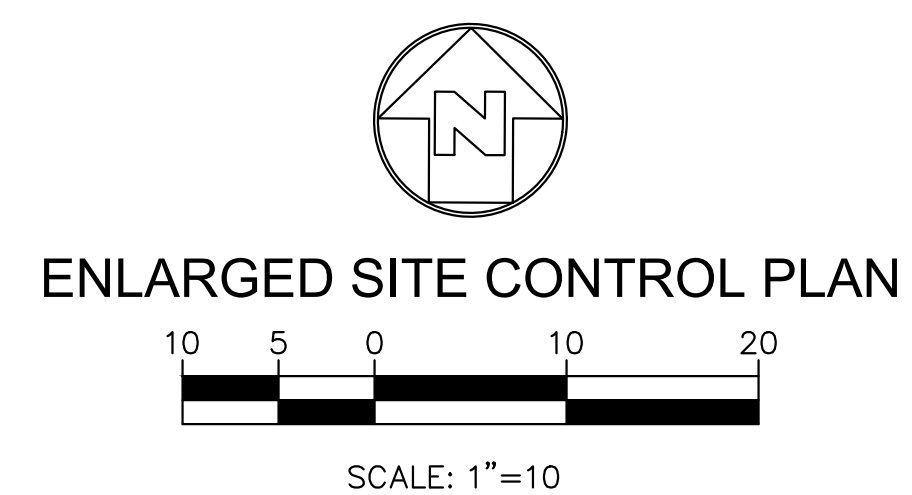
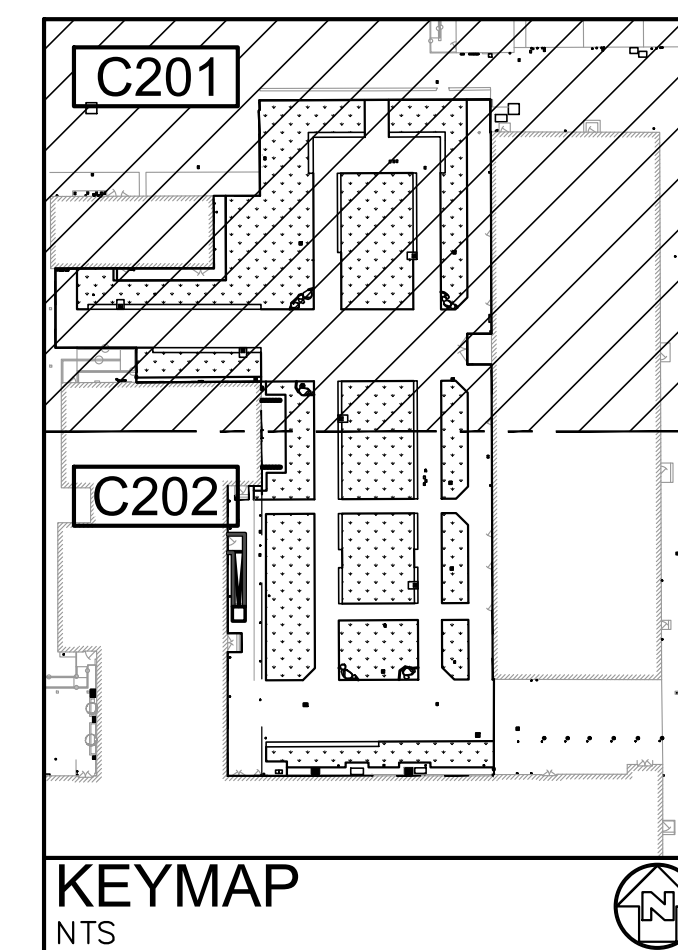
- 1 4.5" THICK CONCRETE PAVEMENT OVER 4" BASE PER DETAIL 1 ON SHEET C700.
- 2 PLANTER AREA PER LANDSCAPE DRAWINGS SHEET L8.01 AND L8.02.
- 3 CONSTRUCT SEAT WALL PER LANDSCAPE DRAWINGS SHEET L6.01.
- 5 CONSTRUCT CONCRETE CURB PER ARCHITECTURAL DRAWINGS.
- 6 CONSTRUCT NEW CATCH BASIN. REFER TO UTILITY PLAN.
- 9 CONSTRUCT NEW PLANTER WALL AS PER ARCHITECTURAL DRAWINGS.

LEGENDS:

- CONCRETE PAVEMENT
- PLANTER AREA
- WALL
- LIMIT OF WORK

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
2. REFER TO LANDSCAPE AND ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

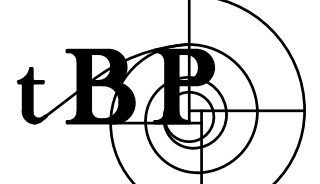
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN


155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081


COMMISSIONED ARCHITECT


tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architecture
planning
interiors

CONSULTANT


MCA ENGINEERS INC.
1041 S Garfield Ave Suite #210, Alhambra,
CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS



SHEET TITLE:

ENLARGED SITE CONTROL PLAN

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

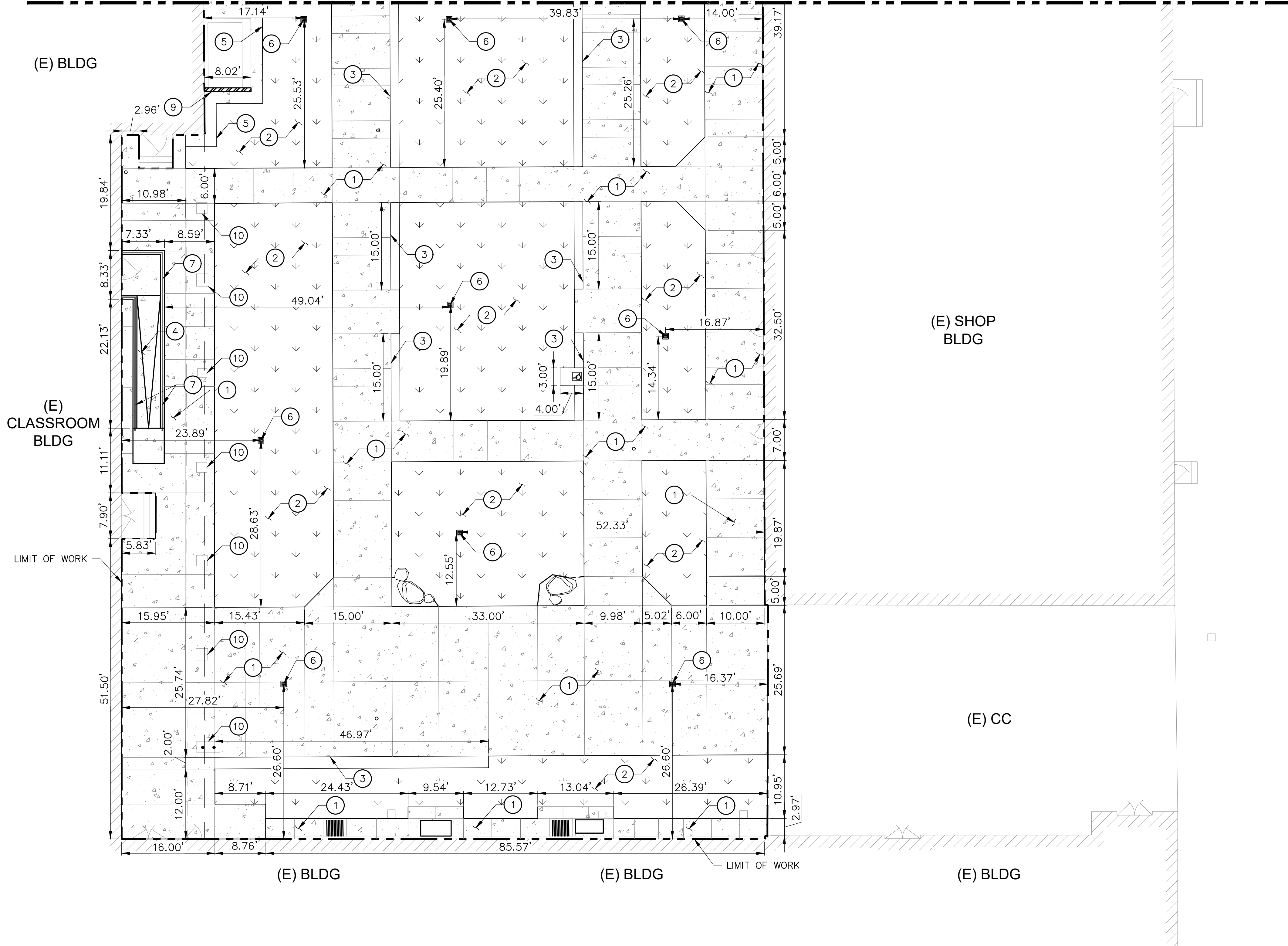
SHEET NUMBER

C201

DATE: 07/05/2023

SHEET: 7 OF: 24

MATCH LINE - SEE SHEET C201



CONSTRUCTION NOTES:

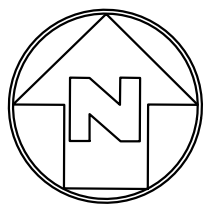
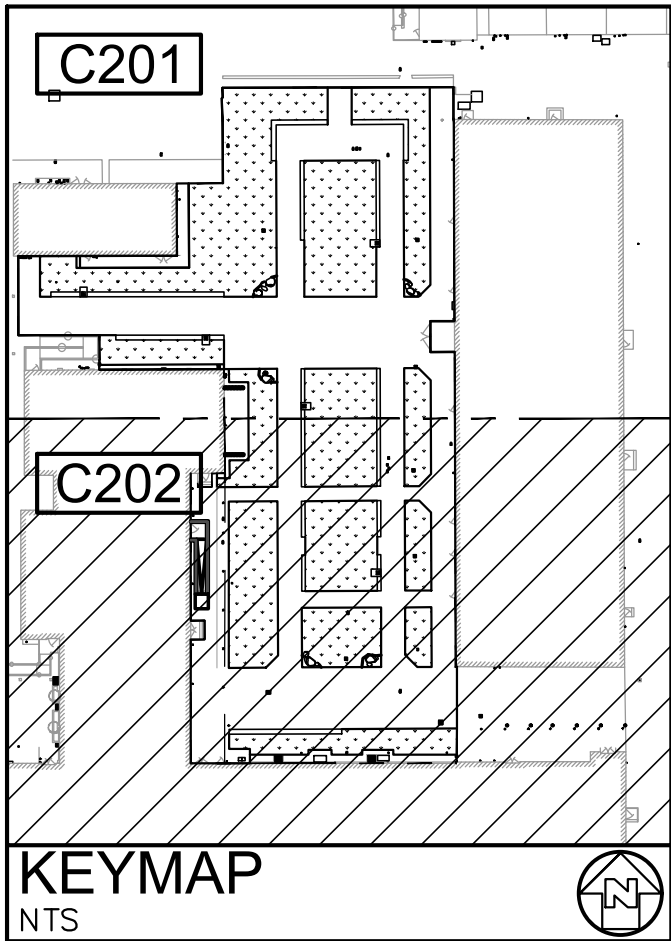
- 1 4.5" THICK CONCRETE PAVEMENT OVER 4" BASE PER DETAIL 1 ON SHEET C700.
- 2 PLANTER AREA PER LANDSCAPE DRAWINGS SHEET L8.01 AND L8.02.
- 3 CONSTRUCT SEAT WALL PER LANDSCAPE DRAWINGS SHEET L6.01.
- 4 CONSTRUCT CONCRETE RAMP PER ARCHITECTURAL DRAWINGS.
- 5 CONSTRUCT CONCRETE CURB PER ARCHITECTURAL DRAWINGS.
- 6 CONSTRUCT NEW CATCH BASIN. REFER TO UTILITY PLAN.
- 7 CONSTRUCT HANDRAILS AS PER ARCHITECTURAL DRAWINGS.
- 9 CONSTRUCT NEW PLANTER WALL AS PER ARCHITECTURAL DRAWINGS.
- 10 EXISTING FOOTING AND POLE.

LEGENDS:

- CONCRETE PAVEMENT
- PLANTER AREA
- WALL
- LIMIT OF WORK

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
2. REFER TO LANDSCAPE AND ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.



ENLARGED SITE CONTROL PLAN



SCALE: 1"=10'

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

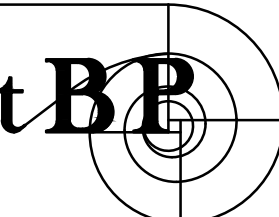
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



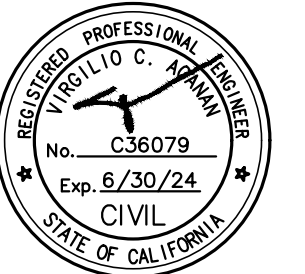
tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

ENLARGED SITE
CONTROL PLAN

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

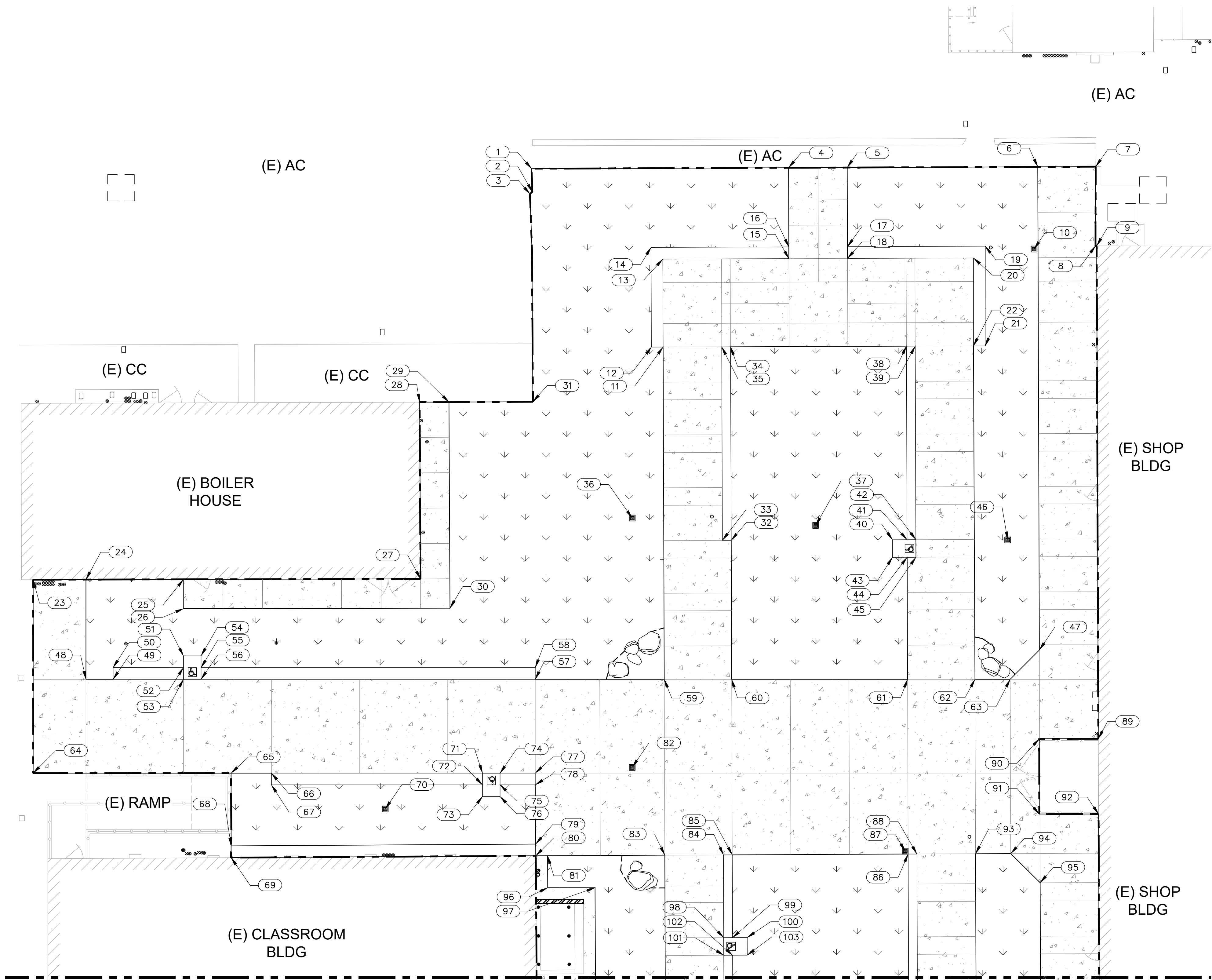
CHECKED:

SHEET NUMBER

C202

DATE: 07/05/2023

SHEET: 8 OF: 24



MATCH LINE - SEE SHEET C204

Point Coordinate Table		
POINT #	NORTHING	EASTING
41	4,850.85	4,693.13
42	4,850.86	4,694.63
43	4,847.84	4,690.64
44	4,847.85	4,693.14
45	4,847.86	4,694.64
46	4,850.81	4,710.29
47	4,832.03	4,715.70
48	4,827.04	4,553.09
49	4,827.04	4,557.71
50	4,829.04	4,557.71

Point Coordinate Table		
POINT #	NORTHING	EASTING
51	4,831.04	4,569.71
52	4,829.04	4,569.71
53	4,827.04	4,569.71
54	4,831.04	4,572.71
55	4,829.04	4,572.71
56	4,827.04	4,572.71
57	4,827.04	4,629.71
58	4,829.04	4,629.71
59	4,827.04	4,651.71
60	4,827.04	4,663.21

Point Coordinate Table		
POINT #	NORTHING	EASTING
61	4,827.03	4,693.21
62	4,827.03	4,704.71
63	4,827.03	4,710.71
64	4,811.04	4,544.07
65	4,811.04	4,577.84
66	4,811.04	4,584.71
67	4,809.04	4,584.71
68	4,798.63	4,577.85
69	4,796.63	4,577.84
70	4,804.93	4,604.13

Point Coordinate Table		
POINT #	NORTHING	EASTING
71	4,811.04	4,620.72
72	4,809.04	4,620.71
73	4,807.04	4,620.71
74	4,811.04	4,623.71
75	4,809.04	4,623.71
76	4,807.04	4,623.71
77	4,811.04	4,629.71
78	4,809.04	4,629.71
79	4,798.94	4,629.79
80	4,796.94	4,629.80

Point Coordinate Table		
POINT #	NORTHING	EASTING
81	4,796.95	4,631.81
82	4,812.04	4,646.26
83	4,797.04	4,651.81
84	4,797.09	4,661.81
85	4,797.10	4,663.31
86	4,797.23	4,693.31
87	4,797.74	4,692.81
88	4,797.24	4,694.81
89	4,816.90	4,725.75
90	4,816.90	4,715.67

Point Coordinate Table		
POINT #	NORTHING	EASTING
91	4,804.06	4,715.67
92	4,804.06	4,725.79
93	4,797.29	4,704.81
94	4,797.32	4,710.81
95	4,792.34	4,715.83
96	4,791.50	4,631.84
97	4,791.50	4,639.92
98	4,782.98	4,661.86
99	4,782.98	4,663.36
100	4,782.99	4,665.86

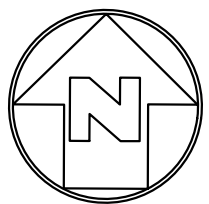
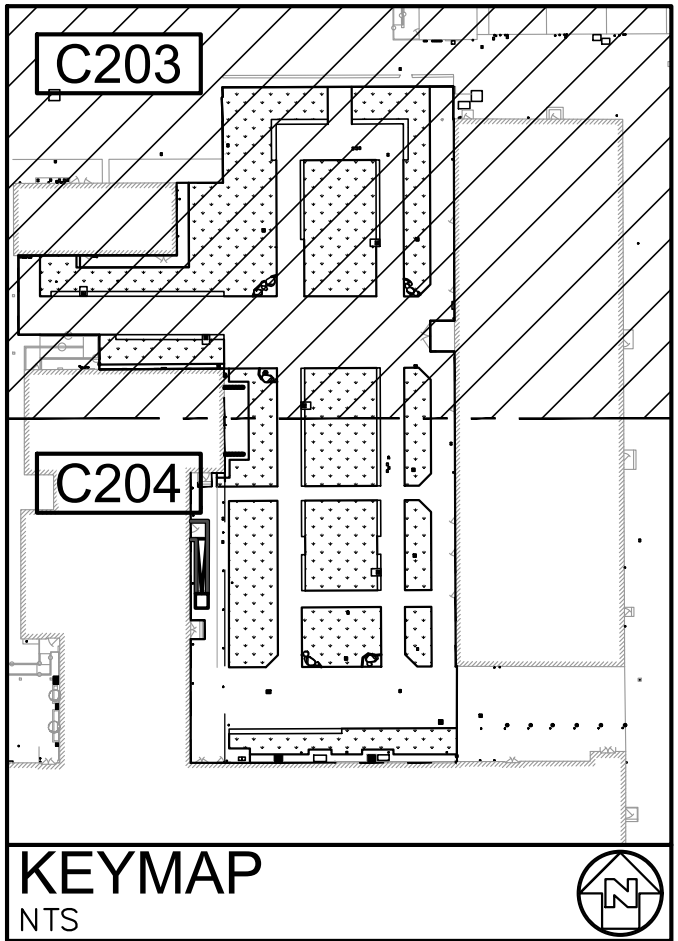
Point Coordinate Table		
POINT #	NORTHING	EASTING
101	4,779.98	4,661.87
102	4,779.97	4,663.37
103	4,779.99	4,665.87

Point Coordinate Table		
POINT #	NORTHING	EASTING
1	4,914.12	4,629.08
2	4,910.18	4,629.21
3	4,909.80	4,628.82
4	4,914.28	4,672.92
5	4,914.32	4,682.92
6	4,914.43	4,715.42
7	4,914.47	4,725.31
8	4,900.96	4,725.27
9	4,900.96	4,725.46
10	4,900.43	4,714.80

Point Coordinate Table		
POINT #	NORTHING	EASTING
11	4,883.70	4,651.52
12	4,883.70	4,649.52
13	4,898.70	4,651.47
14	4,900.70	4,649.46
15	4,898.78	4,672.97
16	4,900.78	4,672.96
17	4,900.82	4,682.96
18	4,898.82	4,682.97
19	4,900.90	4,706.47
20	4,898.89	4,704.46

Point Coordinate Table		
POINT #	NORTHING	EASTING
21	4,883.89	4,706.45
22	4,883.89	4,704.45
23	4,844.03	4,544.07
24	4,844.05	4,553.09
25	4,844.09	4,569.73
26	4,839.08	4,569.72
27	4,844.17	4,610.15
28	4,874.31	4,610.00
29	4,874.32	4,615.00
30	4,839.18	4,615.17

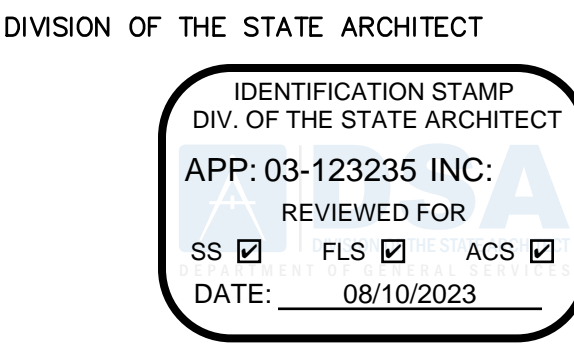
Point Coordinate Table		
POINT #	NORTHING	EASTING
31	4,874.37	4,629.32
32	4,850.74	4,663.14
33	4,850.74	4,661.63
34	4,883.74	4,663.02
35	4,883.74	4,661.52
36	4,854.55	4,646.25
37	4,853.31	4,677.54
38	4,883.85	4,693.02
39	4,883.86	4,694.52
40	4,850.84	4,690.63



ENLARGED SITE COORDINATES PLAN



SCALE: 1"=10'



A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

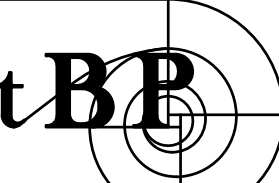
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

ENLARGED SITE COORDINATES PLAN

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

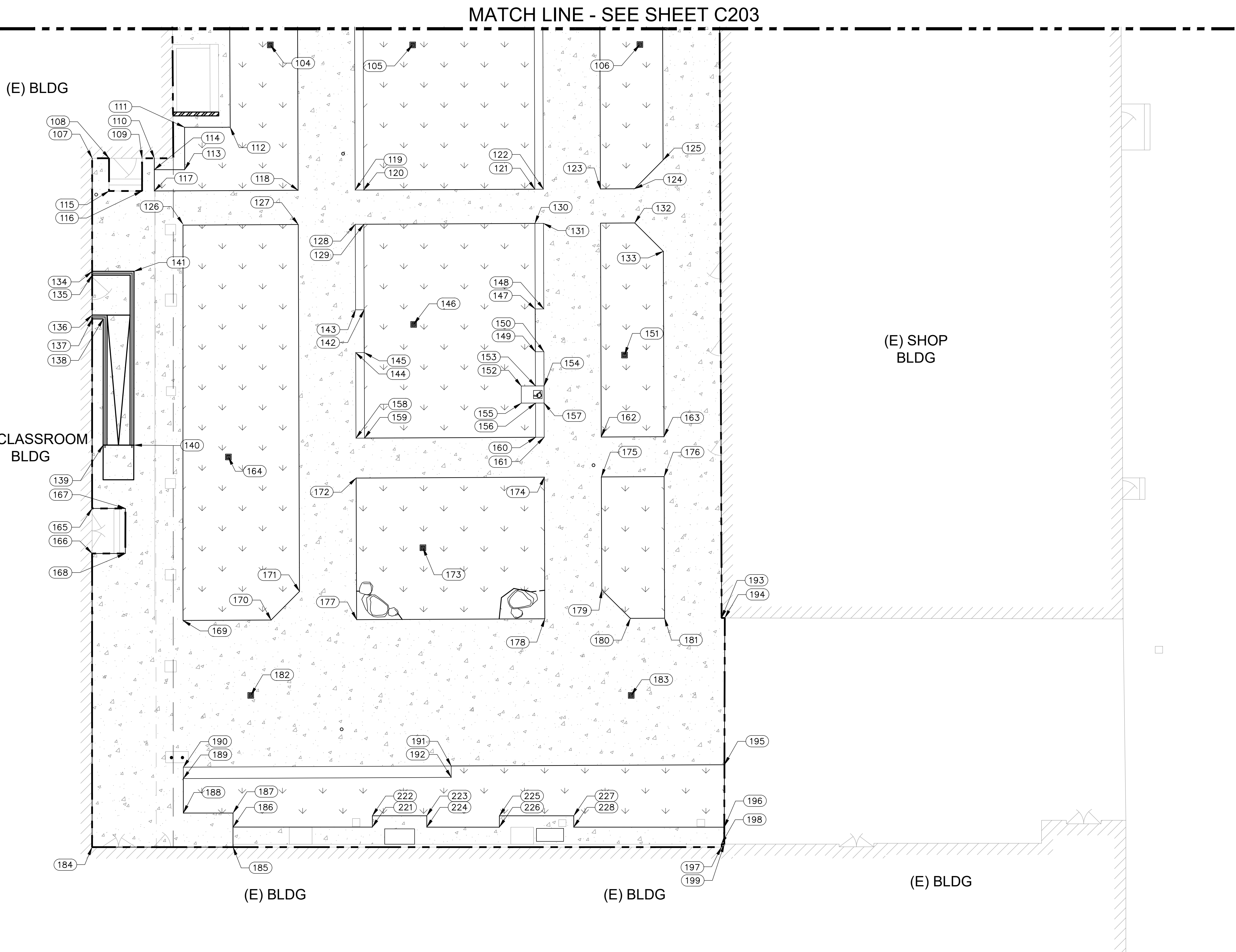
CHECKED:

SHEET NUMBER

C203

DATE: 07/05/2023

SHEET: 9 OF: 24



Point Coordinate Table		
POINT #	NORTHING	EASTING
104	4,773.38	4,647.10
105	4,773.39	4,672.06
106	4,773.45	4,711.89
107	4,753.51	4,615.87
108	4,753.51	4,618.83
109	4,753.50	4,624.63
110	4,753.50	4,626.77
111	4,758.93	4,632.07
112	4,758.93	4,640.07
113	4,751.50	4,632.09

Point Coordinate Table		
POINT #	NORTHING	EASTING
114	4,751.50	4,626.77
115	4,747.76	4,618.83
116	4,747.76	4,624.62
117	4,747.77	4,626.77
118	4,747.88	4,651.98
119	4,747.93	4,661.98
120	4,747.94	4,663.48
121	4,748.08	4,693.48
122	4,748.08	4,694.98
123	4,748.13	4,704.98

Point Coordinate Table		
POINT #	NORTHING	EASTING
124	4,748.16	4,710.98
125	4,753.18	4,715.96
126	4,741.93	4,631.79
127	4,741.88	4,652.00
128	4,741.93	4,662.00
129	4,741.94	4,663.50
130	4,742.08	4,693.50
131	4,742.08	4,695.00
132	4,742.16	4,711.00
133	4,737.18	4,716.01

Point Coordinate Table		
POINT #	NORTHING	EASTING
134	4,733.67	4,615.87
135	4,733.01	4,615.87
136	4,726.01	4,615.87
137	4,725.34	4,615.87
138	4,725.34	4,617.81
139	4,703.21	4,617.79
140	4,703.20	4,623.17
141	4,733.67	4,623.20
142	4,726.93	4,663.55
143	4,726.93	4,662.05

Point Coordinate Table		
POINT #	NORTHING	EASTING
144	4,719.42	4,662.07
145	4,719.43	4,663.57
146	4,724.37	4,672.23
147	4,727.08	4,693.55
148	4,727.08	4,695.05
149	4,719.58	4,693.57
150	4,719.58	4,695.07
151	4,719.00	4,709.20
152	4,713.56	4,691.09
153	4,713.58	4,693.59

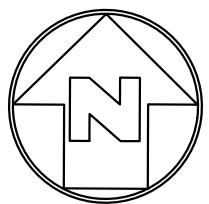
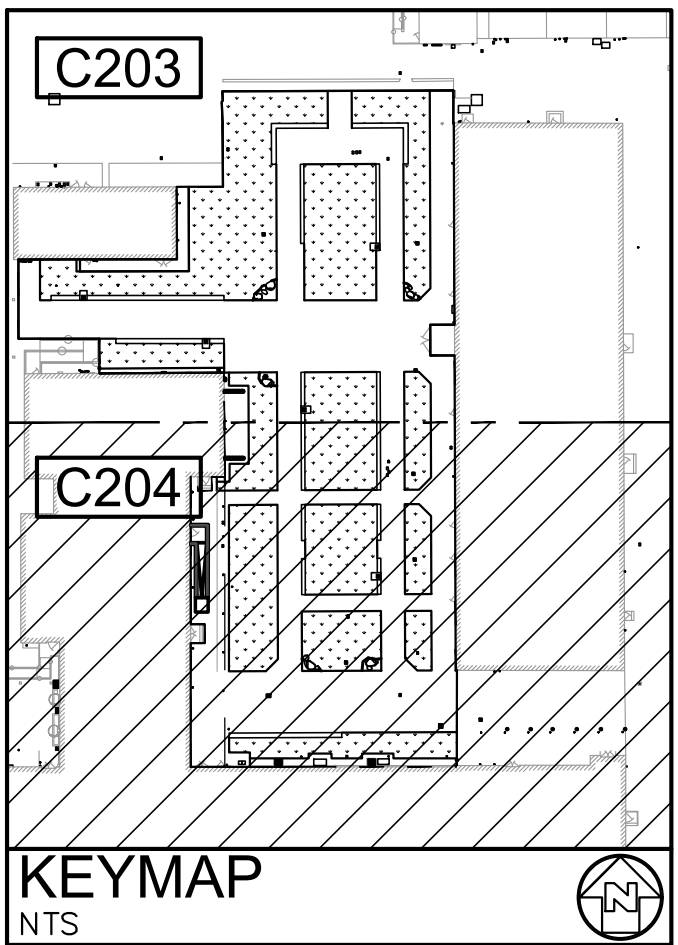
Point Coordinate Table		
POINT #	NORTHING	EASTING
154	4,713.58	4,695.10
155	4,710.56	4,691.10
156	4,710.58	4,693.60
157	4,710.58	4,695.10
158	4,704.43	4,662.12
159	4,704.44	4,663.62
160	4,704.58	4,693.62
161	4,704.58	4,695.12
162	4,704.63	4,705.12
163	4,704.68	4,716.12

Point Coordinate Table		
POINT #	NORTHING	EASTING
164	4,701.14	4,639.75
165	4,692.10	4,615.86
166	4,684.20	4,615.86
167	4,692.10	4,621.71
168	4,684.20	4,621.68
169	4,672.46	4,631.80
170	4,672.53	4,647.23
171	4,677.55	4,652.21
172	4,697.43	4,662.15
173	4,685.22	4,673.86

Point Coordinate Table		
POINT #	NORTHING	EASTING
174	4,697.58	4,695.15
175	4,697.63	4,705.15
176	4,697.68	4,716.15
177	4,672.60	4,662.23
178	4,672.75	4,695.23
179	4,677.80	4,705.21
180	4,672.82	4,710.23
181	4,672.85	4,716.23
182	4,659.33	4,643.67
183	4,659.33	4,710.38

Point Coordinate Table		
POINT #	NORTHING	EASTING
184	4,632.72	4,615.85
185	4,632.72	4,640.57
186	4,636.23	4,640.57
187	4,638.69	4,640.57
188	4,638.69	4,631.85
189	4,644.73	4,631.85
190	4,646.73	4,631.86
191	4,646.94	4,678.82
192	4,644.94	4,678.82
193	4,672.90	4,726.23

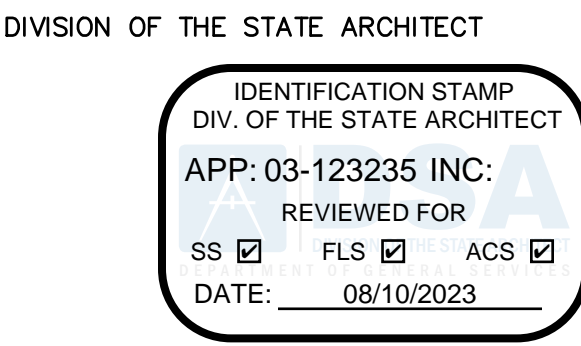
Point Coordinate Table		
POINT #	NORTHING	EASTING
194	4,672.90	4,726.79
195	4,647.16	4,726.72
196	4,636.21	4,726.69
197	4,632.72	4,726.19
198	4,633.24	4,726.18
199	4,633.24	4,726.69



ENLARGED SITE COORDINATES PLAN



SCALE: 1"=10'



A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

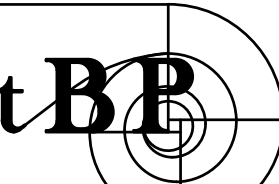
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



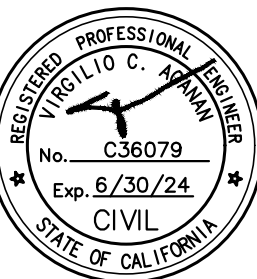
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

ENLARGED SITE COORDINATES PLAN

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

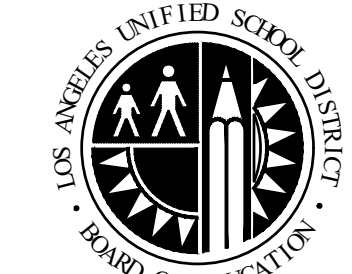
CHECKED:

SHEET NUMBER

C204

DATE: 07/05/2023

SHEET: 10 OF: 24



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

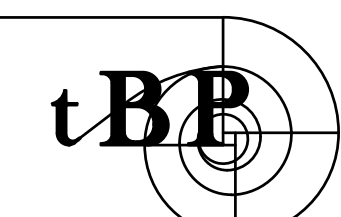
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



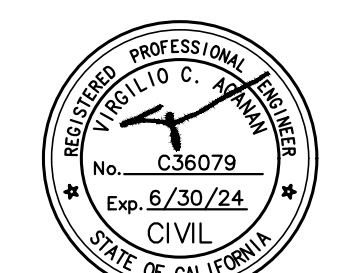
tBP/Architecture
4011 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

OVERALL SITE GRADING PLAN

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

SHEET NUMBER

C300

DATE: 07/05/2023

SHEET: 11 OF: 24

ESTIMATED EARTHWORK QUANTITY

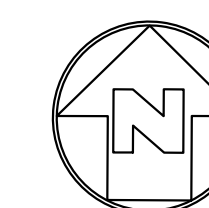
ESTIMATED CUT = 508 CY
ESTIMATED FILL = 112 CY
ESTIMATED IMPORT = 396 CY (CUT)

NOTES:

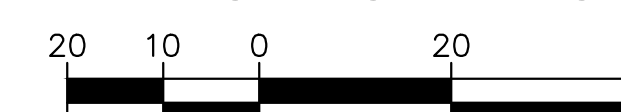
1. THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE FOR REFERENCE ONLY TO BE USED FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES ONLY.
2. ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES IN SURVEY. THE ESTIMATED EARTHWORK DOES NOT CONSIDER THE THICKNESS OF EACH PAVEMENT MATERIAL, FOUNDATION AND SLAB ON GRADE VOLUMES, THE REMOVAL OF ANY UNSUITABLE MATERIAL, AND THE REMOVAL OF EXISTING BASEMENTS, PITS, VAULTS, TOP SOIL OR VEGETATION.
3. THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE FACTORS DUE TO COMPACTION OR ANY OVER EXCAVATION QUANTITIES.
4. THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK. THE ENGINEER IS NOT RESPONSIBLE AND LIABLE FOR THE CONTRACTOR'S EARTHWORK CALCULATIONS.
5. ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ON-SITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ON-SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.
6. THE ESTIMATED QUANTITIES WERE CALCULATED AND LIMITED ON ON-SITE AREA ONLY.
7. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT ALL OTHER REQUIREMENTS THAT MAY BE REQUIRED IN ORDER TO CALCULATE THE CUT AND FILL QUANTITIES.

SHEET NOTES:

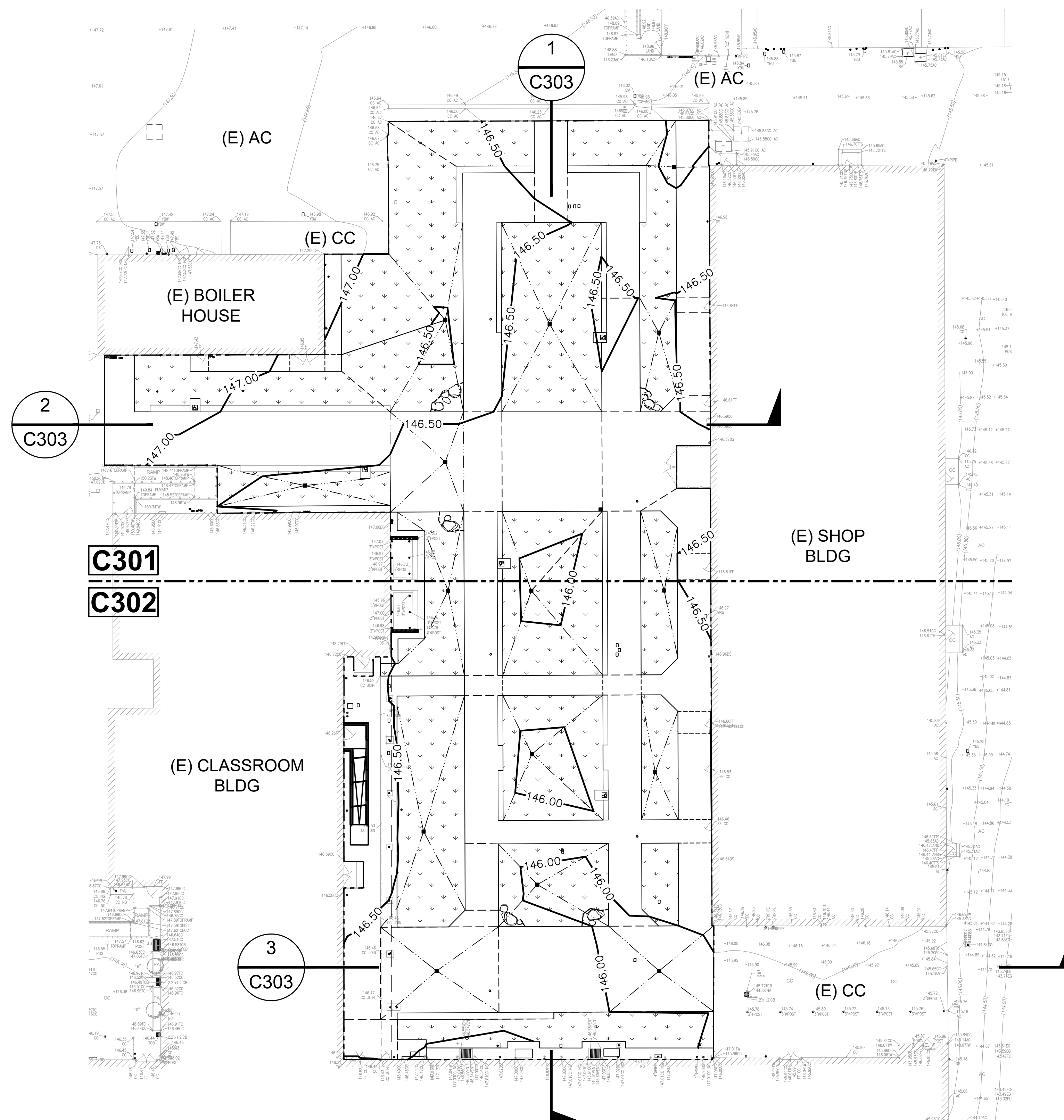
1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
2. SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. FOR PAVEMENT MARKINGS AND STRIPING, RAMP WITH HANDRAILS, PLANTER AREA, AND TRANSFORMER ENCLOSURE, SEE ARCHITECTURAL DRAWINGS. FOR LANDSCAPING AND IRRIGATION FEATURES, CONCRETE PAVEMENT PATTERN, TEXTURE AND COLOR INTEGRATION, SEE LANDSCAPE DRAWINGS. FOR TRANSFORMER ENCLOSURE AND CONCRETE PAD, SEE ELECTRICAL DRAWINGS.
4. FOR CATCH BASIN LOCATIONS AND GRATE ELEVATIONS AND INVERTS SEE UTILITY PLAN. IF TOP OF GRATE ELEVATIONS ARE DIFFERENT FROM GRADING CATCH BASIN ELEVATIONS SHOWN ON THIS SHEET, NOTIFY OAR AND ARCHITECT.

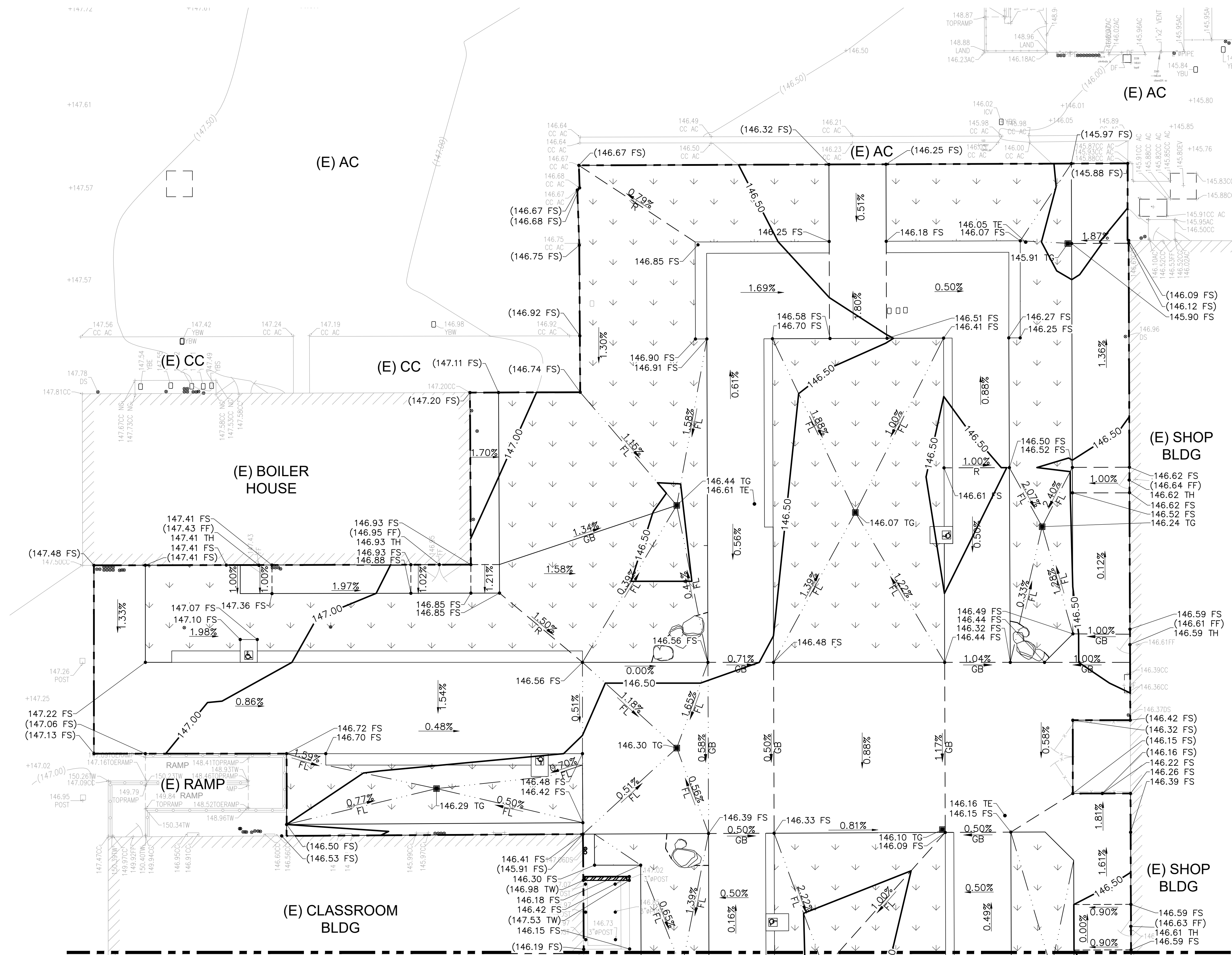


OVERALL SITE GRADING PLAN



SCALE: 1"=20'

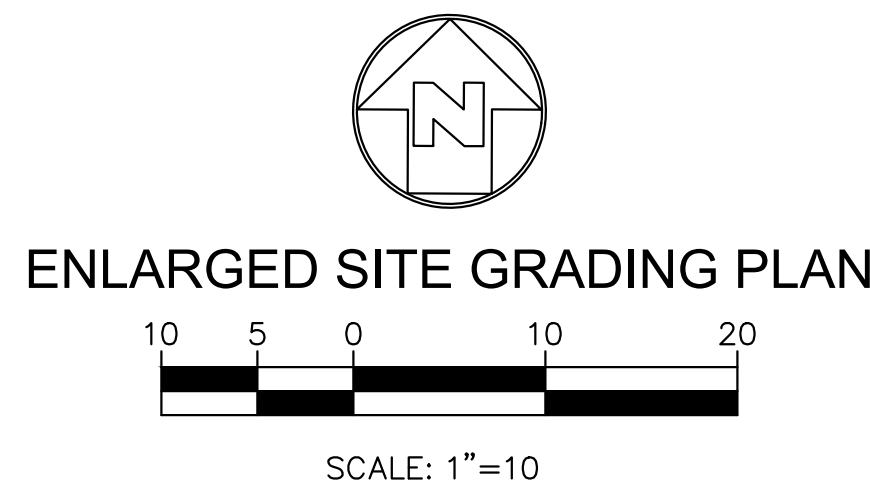
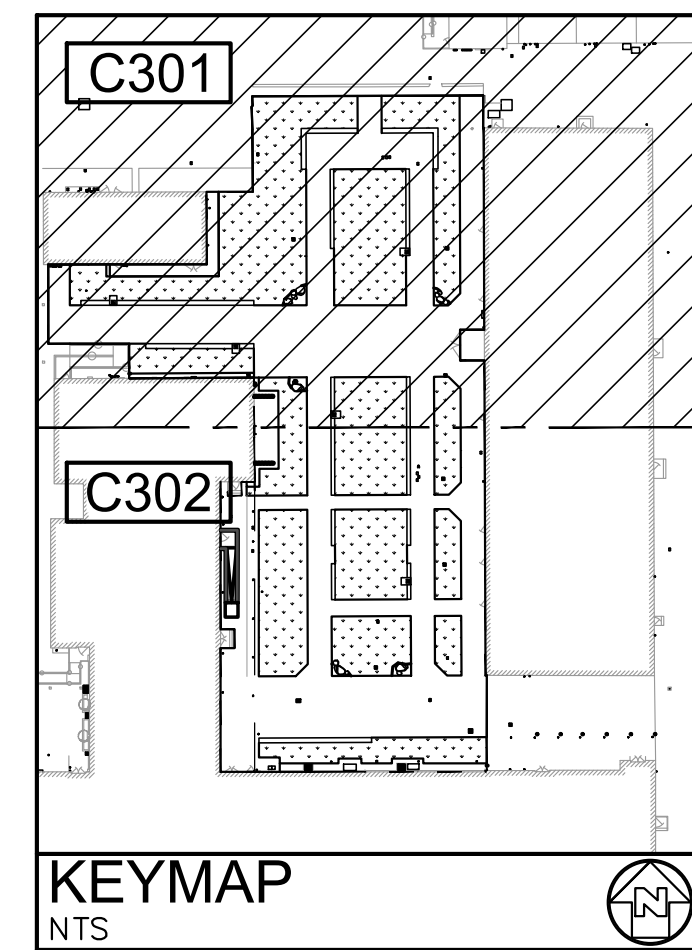




MATCH LINE - SEE SHEET C302

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
2. SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. FOR PAVEMENT MARKINGS AND STRIPING, RAMP WITH HANDRAILS, PLANTER AREA, AND TRANSFORMER ENCLOSURE, SEE ARCHITECTURAL DRAWINGS. FOR LANDSCAPING AND IRRIGATION FEATURES, CONCRETE PAVEMENT PATTERN, TEXTURE AND COLOR INTEGRATION, SEE LANDSCAPE DRAWINGS. FOR TRANSFORMER ENCLOSURE AND CONCRETE PAD, SEE ELECTRICAL DRAWINGS.
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DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP

BP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT

MCA ENGINEERS INC.

1041 S Garfield Ave Suite #210, Alhambra,
CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS

SHEET TITLE:

ENLARGED SITE
GRADING PLAN

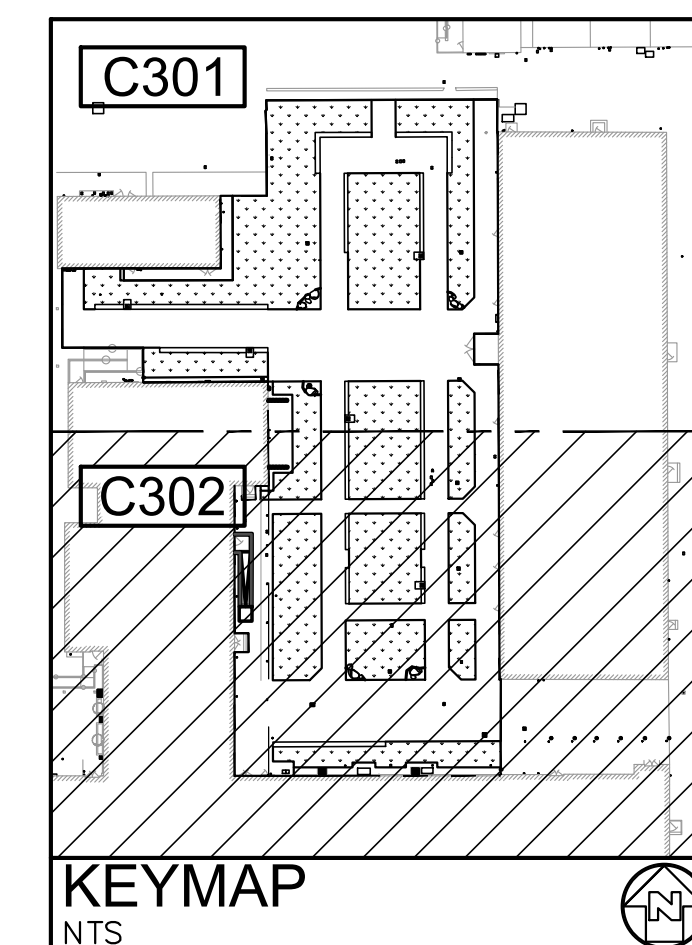
PROJECT NO: 21011.11 PROJECT ARCH:

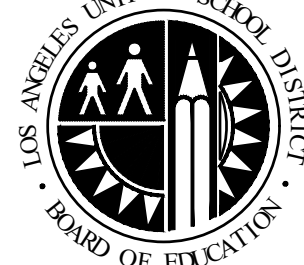
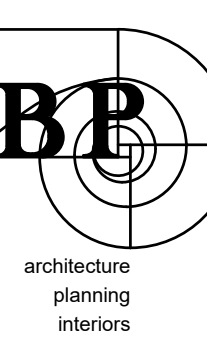

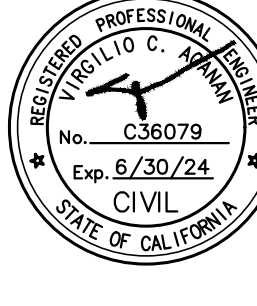
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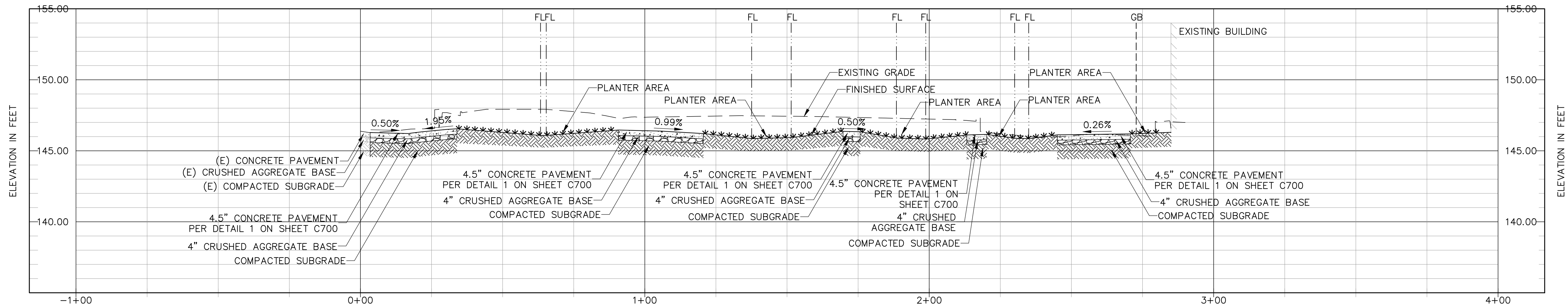
SHEET NUMBER

C301

DATE: 07/05/2023 SHEET: 12 OF: 24

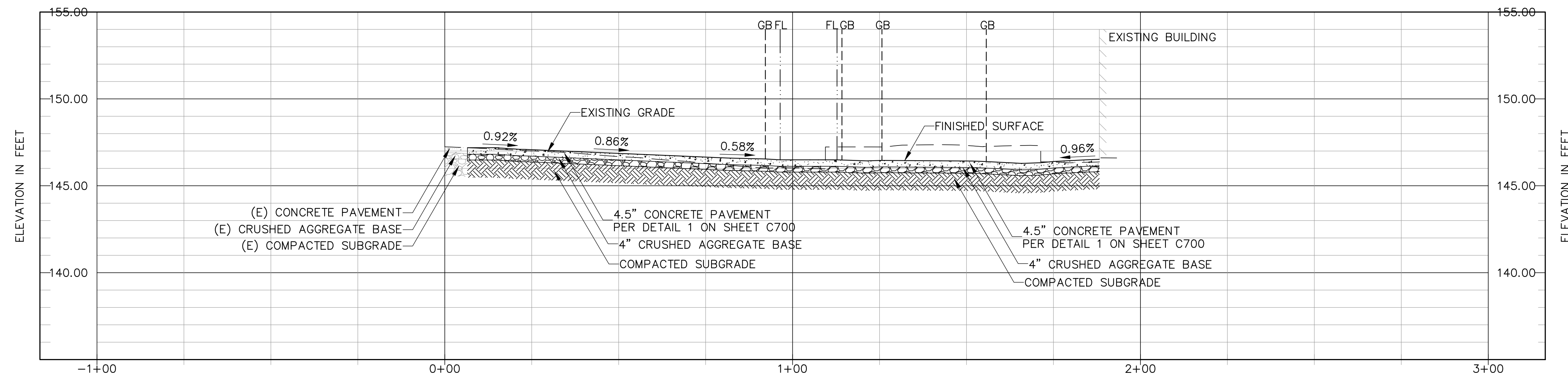


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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| DIVISION OF THE STATE ARCHITECT | |
| <div>IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input checked="" type="checkbox"/>
DATE: 08/10/2023</div> | |
| A# 03-123235 | |
| <div>
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017</div> | |
| PROJECT TITLE AND SCHOOL LOCATION | |
| BETHUNE MIDDLE SCHOOL | |
| QUAD REDESIGN | |
| 155 W 69TH STREET
LOS ANGELES, CA 90003 | |
| COLIN NO: 10370081 | |
| COMMISSIONED ARCHITECT | |
| <div>
tBBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fax: 949.732.3895
architecture
planning
interiors</div> | |
| CONSULTANT | |
| <div>
MCA ENGINEERS INC.
1041 S Garfield Ave Suite #210, Alhambra,
CA 91801
Tel. 323.729.6098 Fax. 323.729.6043</div> | |
| STAMPS/SEALS | |
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| SHEET TITLE: | |
| ENLARGED SITE GRADING PLAN | |
| PROJECT NO: 21011.11 | PROJECT ARCH: |
| DRAWN: | CHECKED: |
| SHEET NUMBER | |
| C302 | |
| DATE: 07/05/2023 | SHEET: 13 OF: 24 |



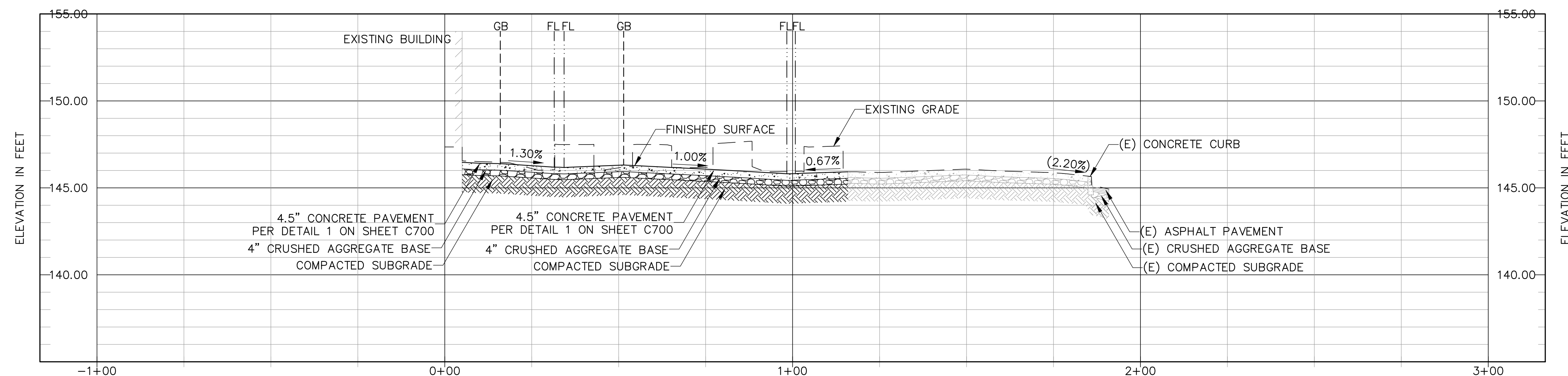
GRADING SECTION
SCALE HOR 1"=20' VER 1"=4'

1
C300



GRADING SECTION
SCALE HOR 1"=20' VER 1"=4'

2
C300



GRADING SECTION
SCALE HOR 1"=20' VER 1"=4'

3
C300

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
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A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

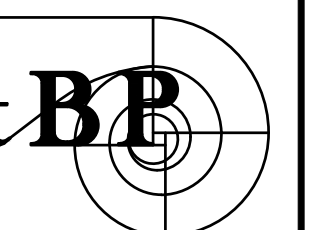
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT



MCA ENGINEERS INC.
1041 S Garfield Ave Suite #210, Alhambra,
CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS



SHEET TITLE:

GRADING SECTIONS

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

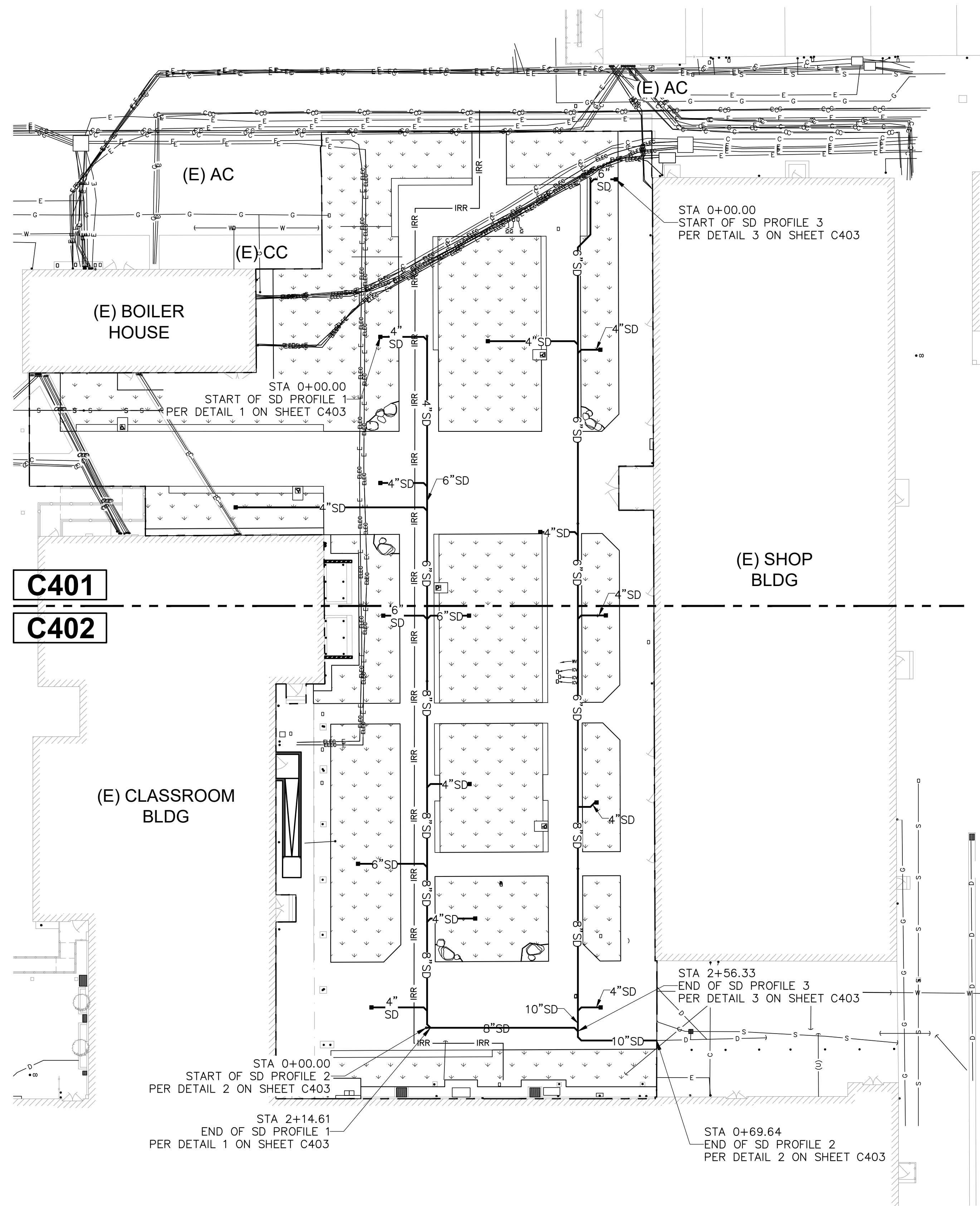
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SHEET NUMBER

C303

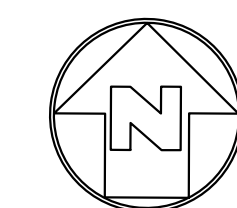
DATE: 07/05/2023

SHEET: 14 OF: 24



SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
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4. HAND DIG ONLY AT LOCATIONS WHERE UNDERGROUND UTILITIES NEED TO BE PROTECTED IN PLACE.



OVERALL SITE UTILITY PLAN



SCALE: 1"=20'

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235



**LOS ANGELES UNIFIED
SCHOOL DISTRICT**

**ASSET MANAGEMENT
FACILITIES SERVICES DIVISION**
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

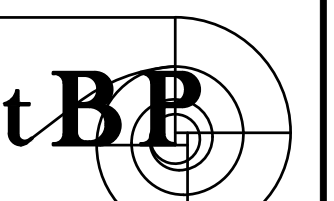
**BETHUNE
MIDDLE SCHOOL**

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

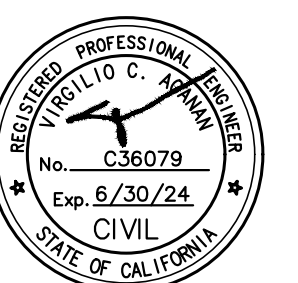
architecture
planning
interiors

CONSULTANT



MCA ENGINEERS INC.
1041 S Garfield Ave Suite #210, Alhambra,
CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS



SHEET TITLE:

**OVERALL SITE
UTILITY PLAN**

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

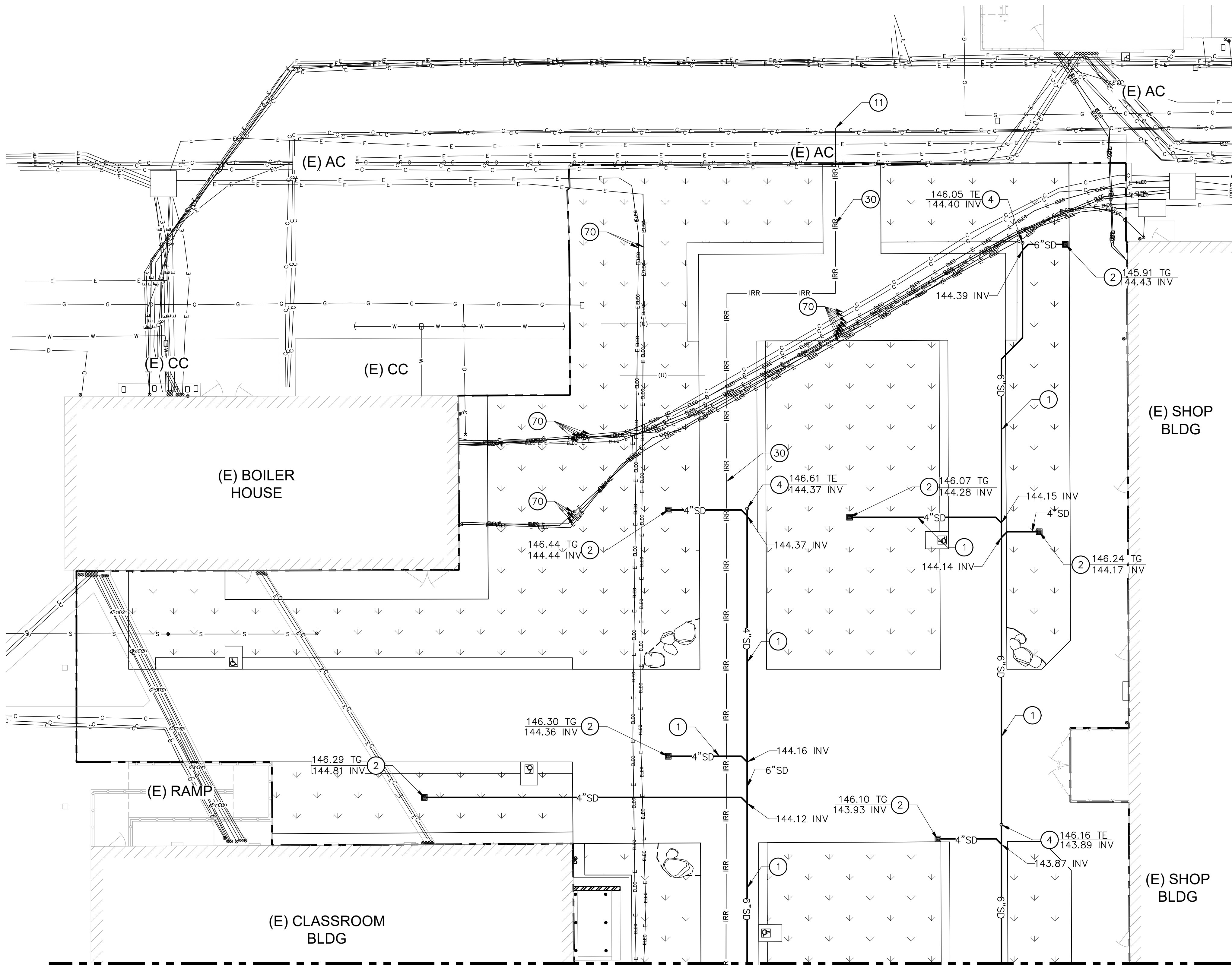
CHECKED:

SHEET NUMBER

C400

DATE: 07/05/2023

SHEET: 15 OF: 24



MATCH LINE - SEE SHEET C402

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C100.
2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
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5. HAND DIG ONLY AT LOCATIONS WHERE UNDERGROUND UTILITIES NEED TO BE PROTECTED IN PLACE.

CONSTRUCTION NOTES:

STORM DRAIN:

1. INSTALL SDR-35 PVC STORM DRAIN LINE, SEE PLAN FOR SIZES. FOR TRENCH SECTION REFER TO DETAIL 1 ON SHEET C701.
2. CONSTRUCT NEW CATCH BASIN PER DETAIL 3 ON SHEET C701.
4. INSTALL CLEANOUT PER DETAIL 4 ON SHEET C701.

DOMESTIC WATER:

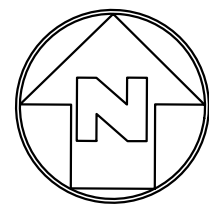
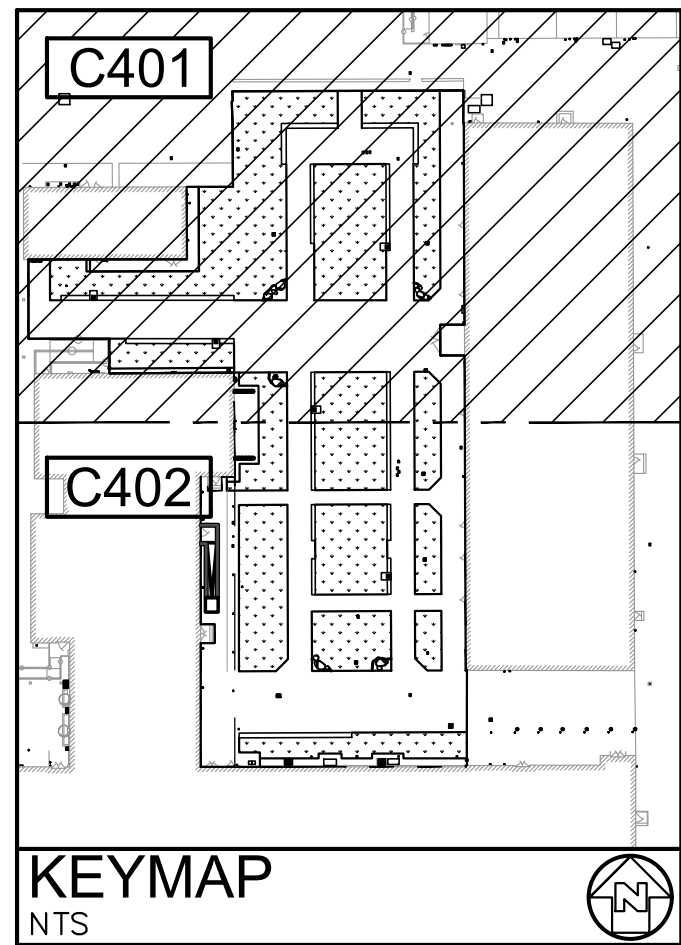
11. CONNECT TO EXISTING ONSITE WATER LINE. REFER TO LANDSCAPE PLANS VERIFY SIZE IN FIELD AND PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED.

IRRIGATION:

30. REFER TO LANDSCAPE DRAWINGS FOR PROPOSED IRRIGATION LINES.

ELECTRICAL:

70. REFER TO ELECTRICAL DRAWING FOR ELECTRICAL UTILITY LINE / CONDUIT DETAILS.



ENLARGED SITE UTILITY PLAN



SCALE: 1"=10'

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

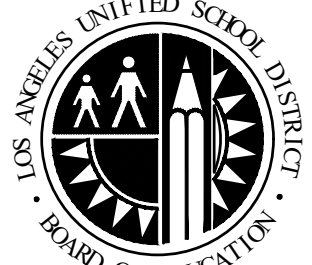
APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235



**LOS ANGELES UNIFIED
SCHOOL DISTRICT**

**ASSET MANAGEMENT
FACILITIES SERVICES DIVISION**

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

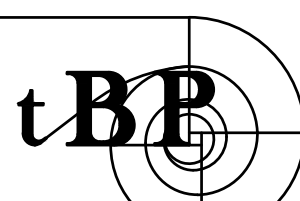
**BETHUNE
MIDDLE SCHOOL**

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

**ENLARGED SITE
UTILITY PLAN**

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

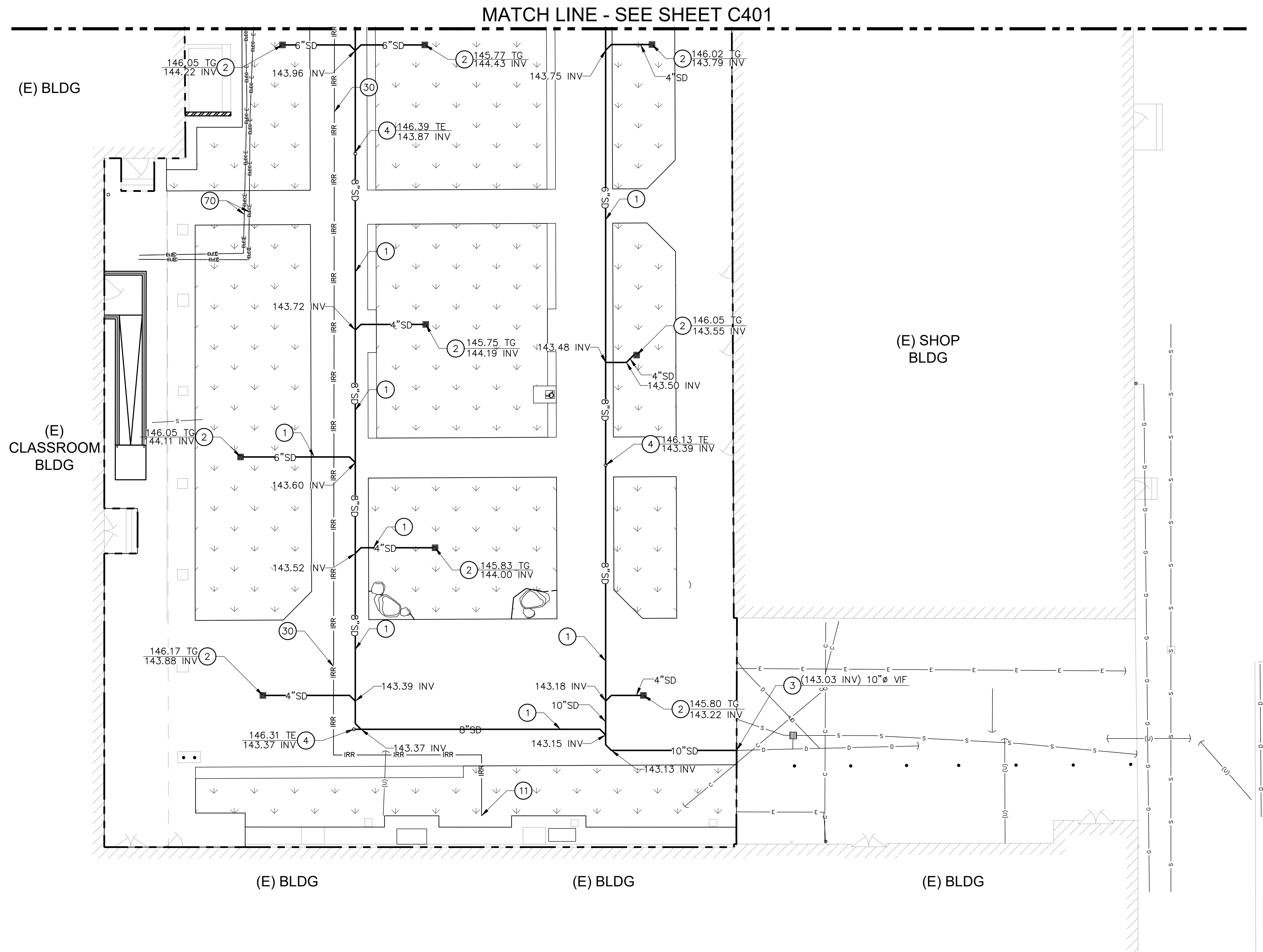
CHECKED:

SHEET NUMBER

C401

DATE: 07/05/2023

SHEET: 16 OF: 24



CONSTRUCTION NOTES:

STORM DRAIN:

1. INSTALL SDR-35 PVC STORM DRAIN LINE, SEE PLAN FOR SIZES. FOR TRENCH SECTION REFER TO DETAIL 1 ON SHEET C701.
2. CONSTRUCT NEW CATCH BASIN PER DETAIL 3 ON SHEET C701.
3. CONNECT TO EXISTING ONSITE STORM DRAIN LINE. VERIFY SIZE IN FIELD AND PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION/INSTALLATION OF NEW STORMDRAIN SYSTEM.
4. INSTALL CLEANOUT PER DETAIL 4 ON SHEET C701.

DOMESTIC WATER:

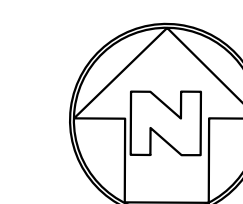
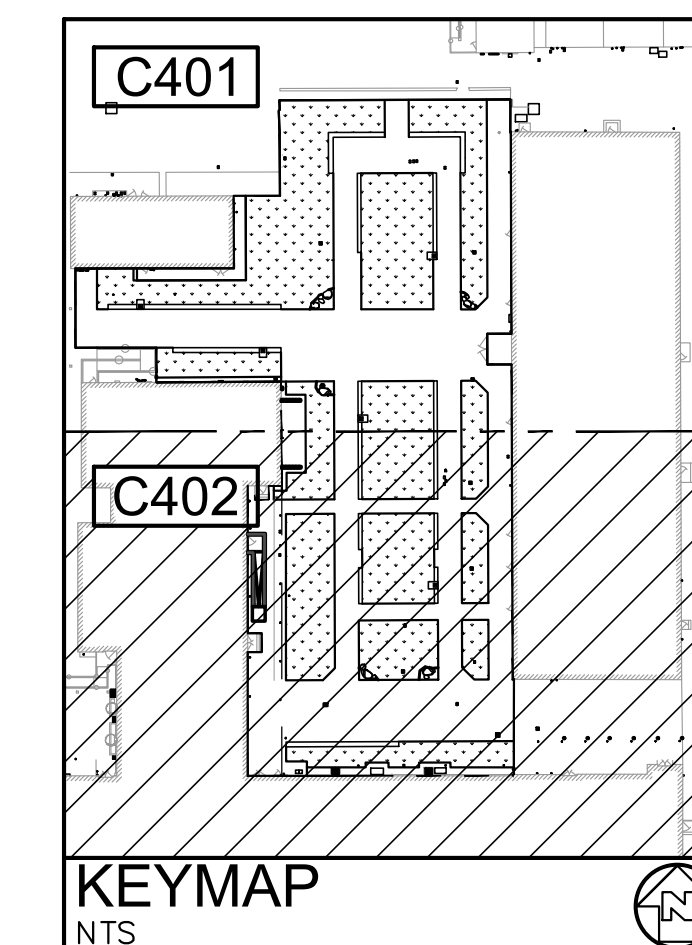
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IRRIGATION:

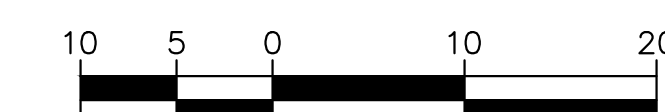
30. REFER TO LANDSCAPE DRAWINGS FOR PROPOSED IRRIGATION LINES.

ELECTRICAL:

70. REFER TO ELECTRICAL DRAWING FOR ELECTRICAL UTILITY LINE / CONDUIT DETAILS.



ENLARGED SITE UTILITY PLAN

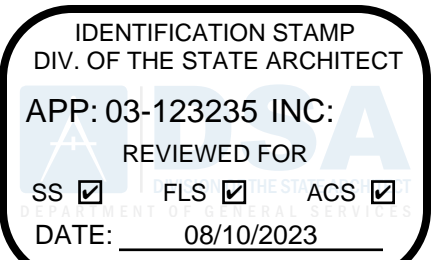


SCALE: 1"=10'

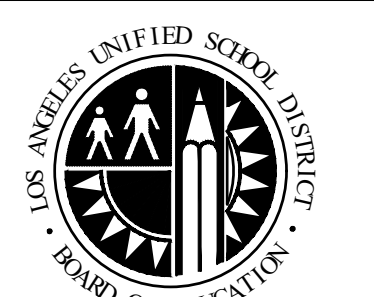
SHEET NOTES:

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5. HAND DIG ONLY AT LOCATIONS WHERE UNDERGROUND UTILITIES NEED TO BE PROTECTED IN PLACE.

DIVISION OF THE STATE ARCHITECT



A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

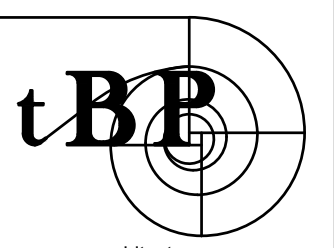
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

ENLARGED SITE UTILITY PLAN

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

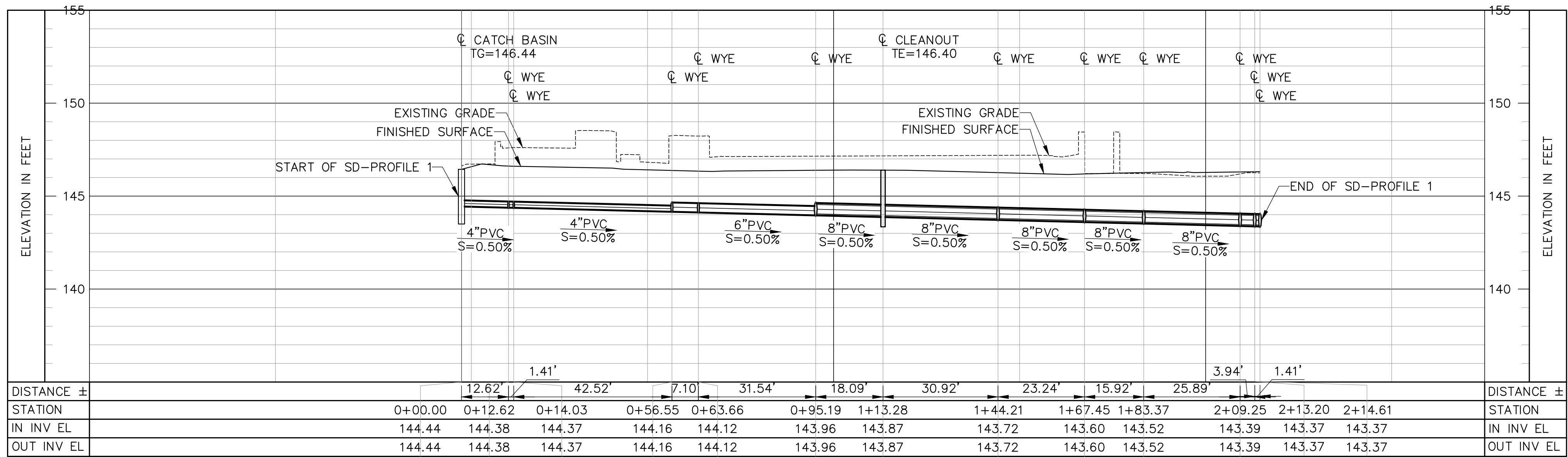
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SHEET NUMBER

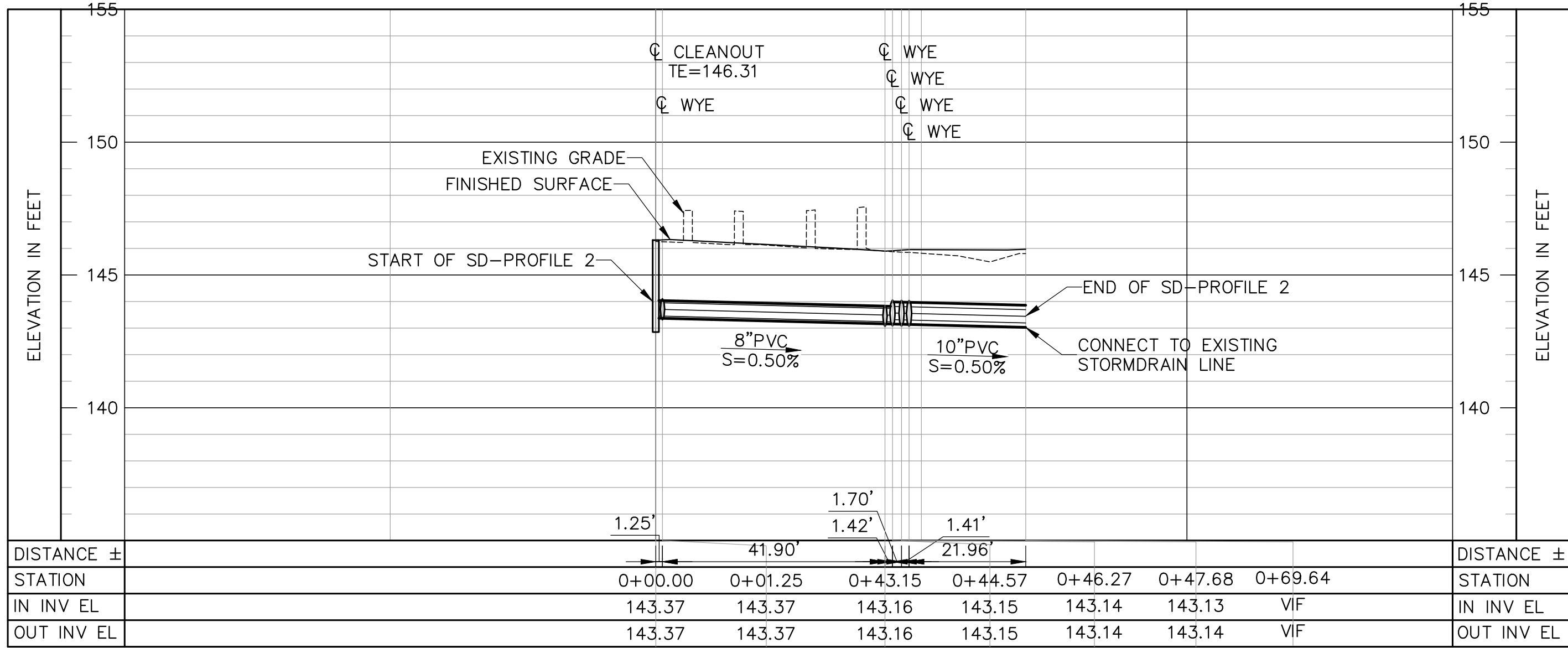
C402

DATE: 07/05/2023

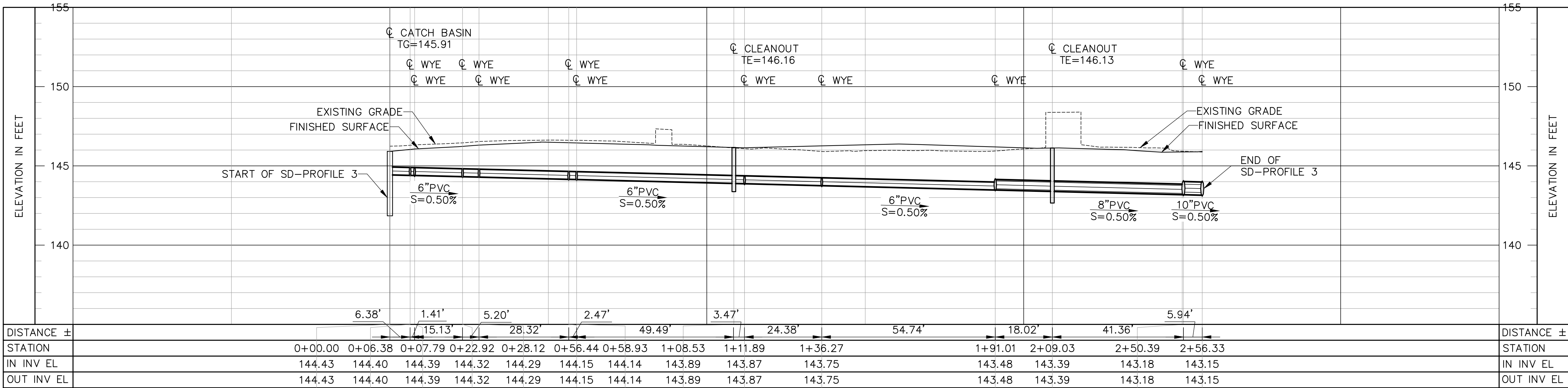
SHEET: 17 OF: 24



STORM DRAIN PROFILE 1
SCALE HOR 1"=20' VER 1"=4'



STORM DRAIN PROFILE 2
SCALE HOR 1"=20' VER 1"=4'



STORM DRAIN PROFILE 3
SCALE HOR 1"=20' VER 1"=4'

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

SCHOOL FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP

Architecture

4611 Teller Avenue

Newport Beach, CA 92660

ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT

MC A ENGINEERS INC.

1041 S Garfield Ave Suite #210, Alhambra, CA 91801

Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS

PROFESSIONAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER

No. C36079

Exp. 6/30/24

CIVIL

STATE OF CALIFORNIA

SHEET TITLE:

STORM DRAIN UTILITY PROFILE

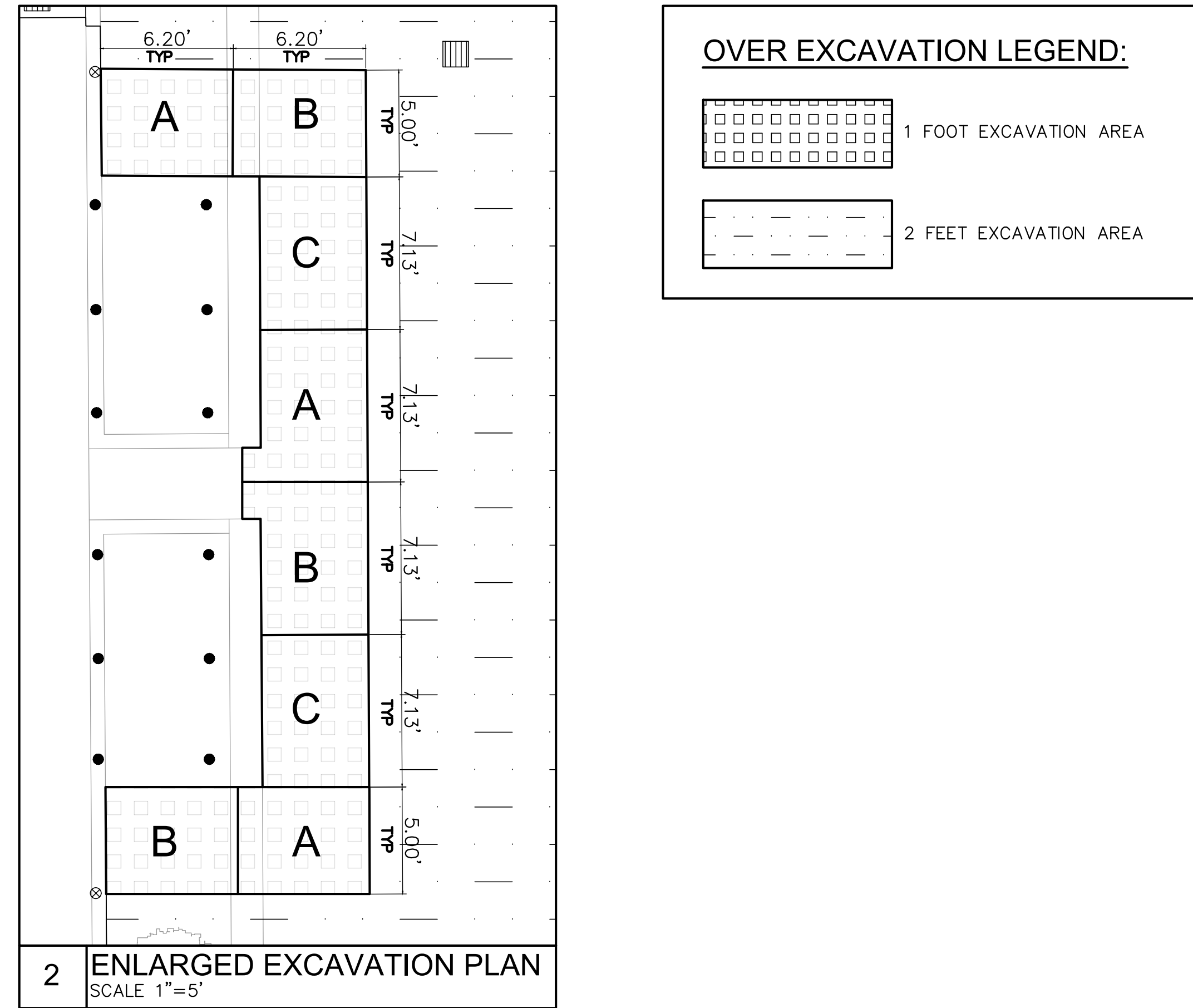
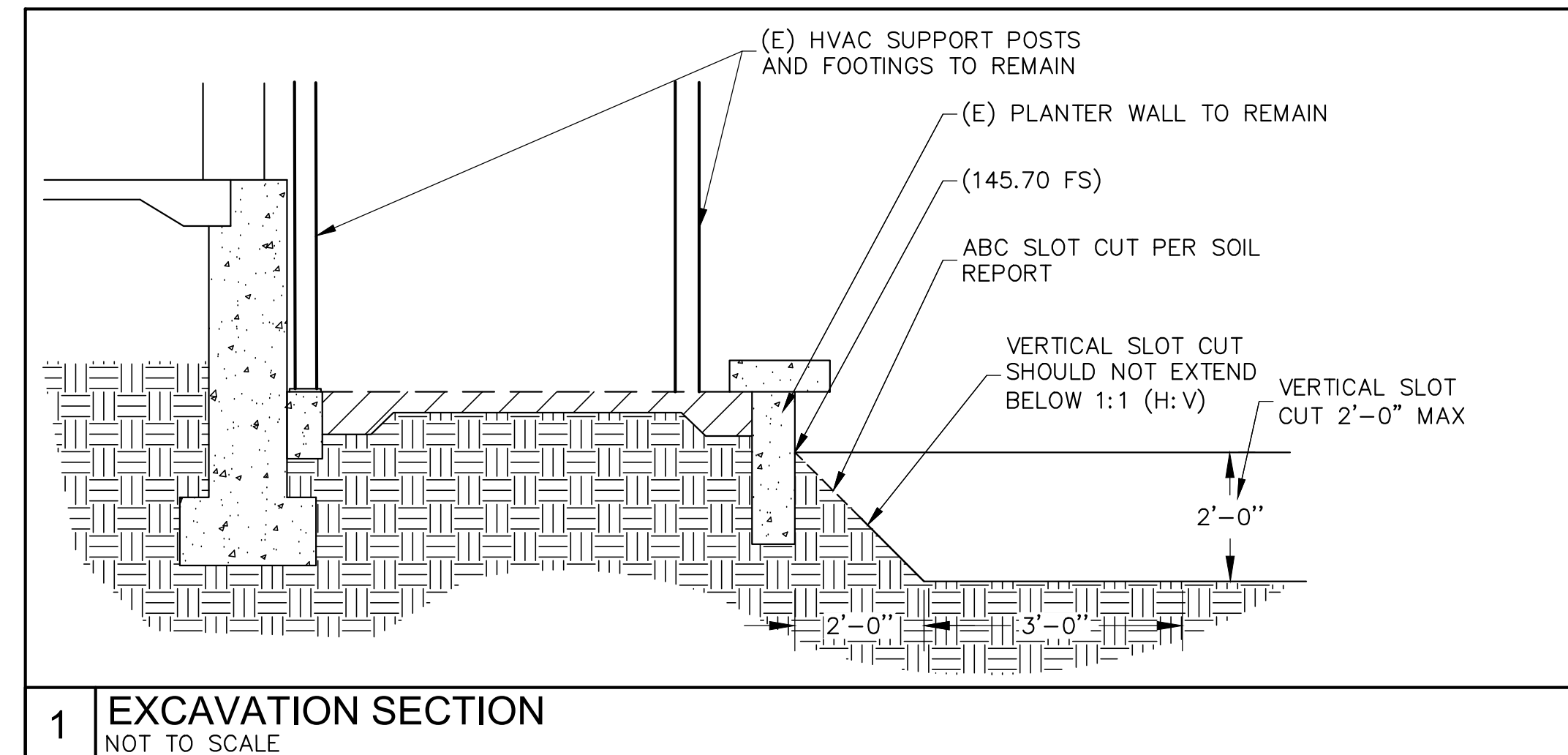
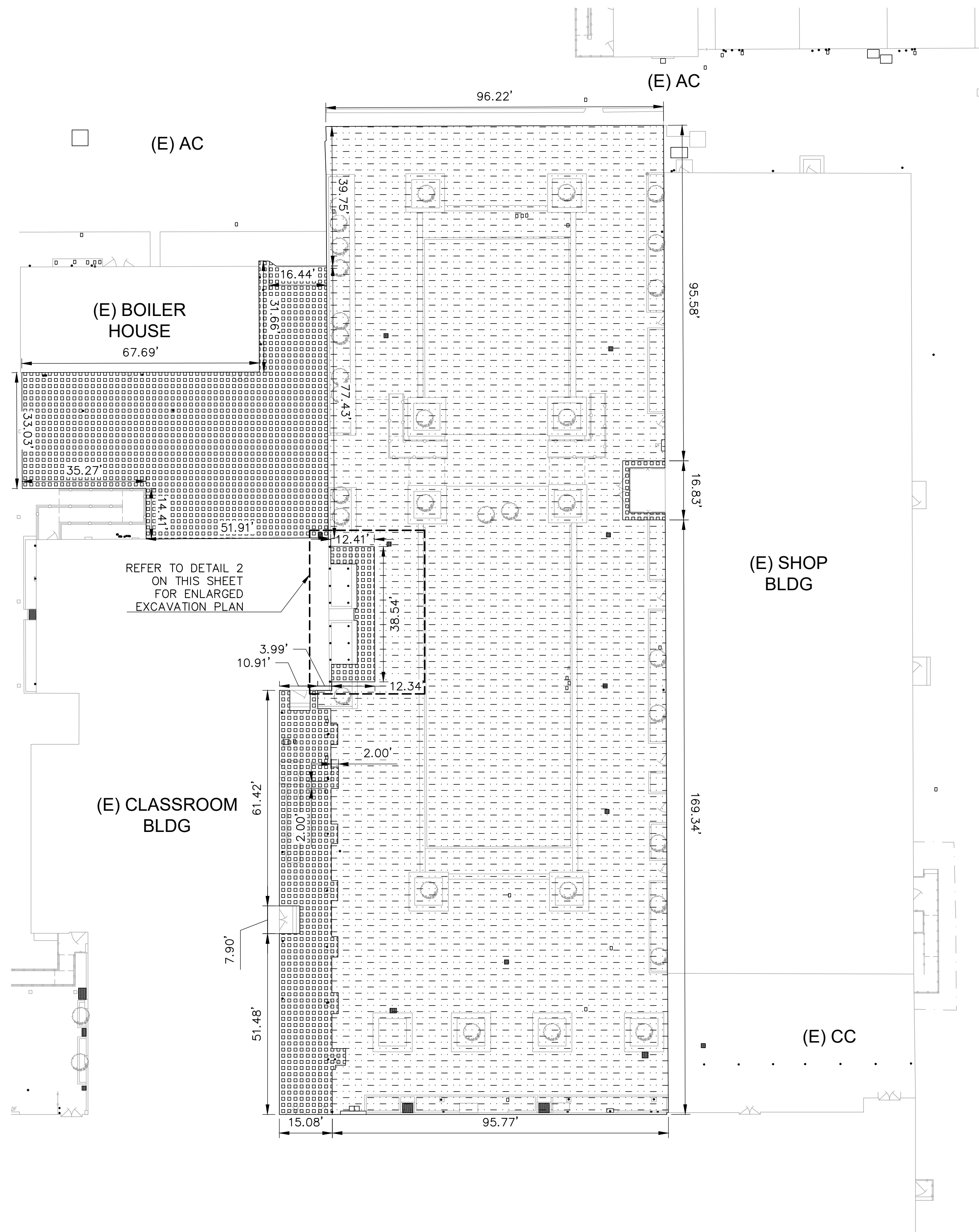
C403

PROJECT NO: 21011.11 PROJECT ARCH:

DRAWN: CHECKED:

SHEET NUMBER

DATE: 07/05/2023 SHEET: 18 OF: 24



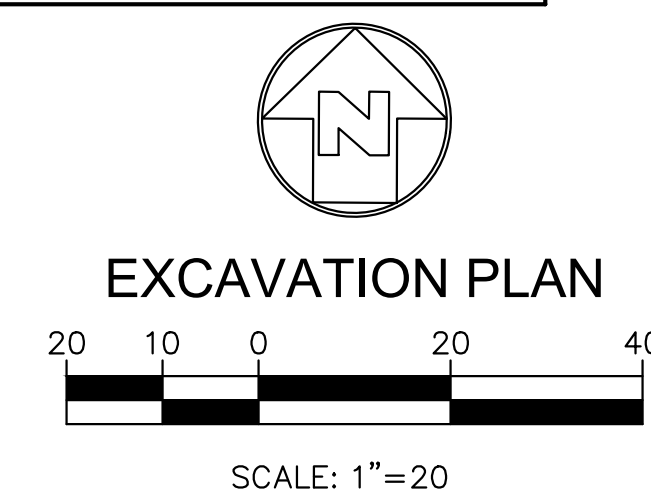
SLOT CUTTING

REFERENCE: GEOTECHNICAL INVESTIGATION REPORT
PROJECT NO. 23-31-134-01, DATED 4/13/2023
BY CONVERSE CONSULTANTS

SECTION 9.3: TEMPORARY EXCAVATIONS DURING POSSIBLE IMPROVEMENTS SHOULD NOT EXTEND BELOW A 1:1 HORIZONTAL:VERTICAL (H:V) PLANE EXTENDING BEYOND AND DOWN FROM THE BOTTOM OF THE EXISTING UTILITY LINES OR STRUCTURES. THE REMEDIAL GRADING EXCAVATIONS SHOULD NOT CAUSE LOSS OF BEARING AND/OR LATERAL SUPPORT FOR ADJACENT UTILITIES OR STRUCTURES.

IF REMEDIAL GRADING EXCAVATIONS EXTEND BELOW A 1:1 HORIZONTAL:VERTICAL (H:V) PLANE EXTENDING BEYOND AND DOWN FROM THE BOTTOM OF ADJACENT OFF-SITE UTILITY LINES OR STRUCTURE FOUNDATIONS, SHORING OR SLOT CUTTING SHALL BE EMPLOYED. "A-B-C" SLOT CUTS EXPOSING NATIVE SANDY SOILS MAY BE EXCAVATED WITH MAXIMUM 8 FEET WIDE AND 8 FEET DEPTH SECTIONS TO PREVENT THE EXISTING UTILITY LINES OR OFF-SITE STRUCTURES FROM BECOMING UNSTABLE. BACKFILL SHOULD BE ACCOMPLISHED IN THE SHORTEST PERIOD OF TIME POSSIBLE AND IN ALTERNATING SECTIONS.

THE ABC SLOT CUTTING METHOD FOR RETAINING WALLS COULD BE A POSSIBLE OPTION AS AN ALTERNATIVE TO SHORING FOR EXCAVATION LESS THAN 8 FEET OR WITH COHESIVE SOILS. IN GENERAL, FOR STRUCTURES IT IS NOT RECOMMENDED FOR SLOT CUTTING IF THE HEIGHT OF EXCAVATION EXCEEDS MORE THAN 8 FEET OR INTO SANDY SOILS AND WITH SURCHARGING LOAD.



DIVISION OF THE STATE ARCHITECT

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LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

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155 W 69TH STREET
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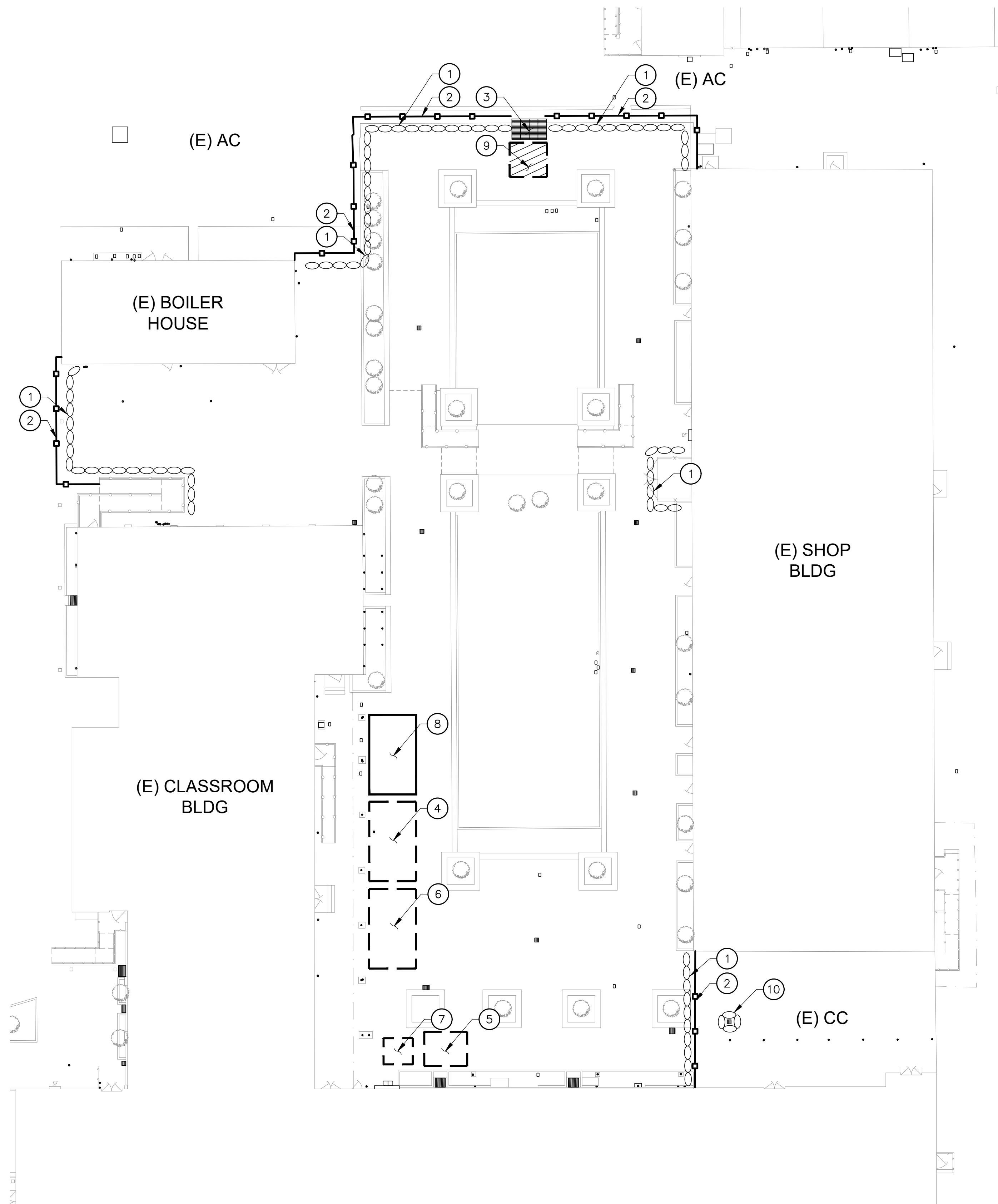
SHEET TITLE:

EXCAVATION PLAN

PROJECT NO: 21011.11 PROJECT ARCH:
DRAWN: CHECKED:
SHEET NUMBER

C500

DATE: 07/05/2023 SHEET: 19 OF: 24

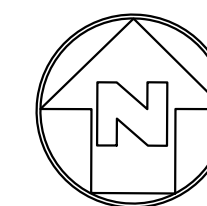


CONSTRUCTION NOTES:

1. INSTALL GRAVEL BAGS UNTIL THE COMPLETION OF THE SITE CONSTRUCTION. REFER TO DETAIL 2 ON SHEET C601.
2. SILT FENCE PER DETAIL 5 ON SHEET C601.
3. STABILIZED CONSTRUCTION ENTRANCE/EXIT PER DETAIL 4 ON SHEET C601.
4. PROPOSED AREA FOR EQUIPMENT STAGING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.
5. PROPOSED AREA FOR FUELING/OILING. CONTRACTOR TO VERIFY ACTUAL AREA NEEDED AND COORDINATE WITH THE CPM. REFER TO DETAIL 3 ON SHEET C602.
6. PROPOSED AREA FOR LOADING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.
7. PROPOSED AREA FOR TEMPORARY TOILETS. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.
8. PROPOSED AREA FOR VEHICLE AND EQUIPMENT CLEANING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.
9. TIRE WASH PER DETAIL 6 ON SHEET C601.
10. INSTALL GRAVEL BAG CHECKDAM PER DETAIL 4 ON SHEET C602.

SHEET NOTES:

1. LOCATION FOR ANY DESIGNATED STOCKPILES SHALL BE COORDINATED AND DETERMINED BY THE CONTRACTOR ON-SITE. CONTRACTOR SHALL APPLY ALL APPLICABLE BMP'S TO PROTECT THE STOCKPILE AS OUTLINED IN DETAIL 1 ON SHEET C602.
2. INSTALL 2" OF TEMPORARY CAB GRAVEL ON ALL ON-SITE CONSTRUCTION ROADWAYS TO STABILIZED AND CONTROL EROSION.
3. CONTRACTOR SHALL FROM TIME TO TIME MONITOR THE CONSTRUCTION SITE TO CLEAN AND SWEEP MATERIALS TRACKED OFF SITE.
4. ALL BMP'S, SILT FENCES, ETC., SHALL BE MONITORED AND MAINTAINED BY THE NTP1 CONTRACTOR FOR THE ENTIRE DURATION OF THE CONTRACT.
5. CONTRACTOR SHALL MONITOR WASTEWATER DISCHARGE (INCLUDING STORM RUNOFF) TO ENSURE IT MEETS STANDARDS SET BY APPROPRIATE LAWS, CODES, REGULATIONS, ORDINANCES AND PERMITS. PROVIDE A SETTLING BASIN AND OIL SEPARATOR PRIOR TO ITS DISCHARGE TO CITY OR COUNTRY SEWERS. PROVIDE A WATER SAMPLING STATION DOWNSTREAM OF BASIN FOR MONITORING OF WASTE WATER. DISPOSE OF WASTEWATER IN CLOSED CONDUITS SO AS NOT TO DAMAGE PUBLIC OR PRIVATE PROPERTY NOR CREATE A NUISANCE OR HEALTH HAZARD.
6. CONTRACTOR SHALL NOT DISCHARGE POLLUTANTS DOWNSTREAM OF THE SETTLING BASIN/OIL SEPARATOR. THESE POLLUTANTS INCLUDE LUBRICANTS, FUELS, CHEMICALS, AND BITUMENS. CONTROL USE OF LUBRICATING OILS, HYDRAULIC FLUIDS, GREASES, AND OTHER SUCH PRODUCTS. PROMPTLY CLEAN UP AND PROPERLY DISPOSE OF MATERIALS CONTAMINATED BY SPILLAGE OR LEAKAGE OF PRODUCTS.
7. THE CONTRACTOR SHALL MODIFY AS REQUIRED THE CURRENT APPROVED SWPPP/EROSION CONTROL PLANS FOR EACH PHASE OF THE PROJECT OR AS CONSTRUCTION ACTIVITIES PROGRESS THROUGH THE DURATION OF THE CONTRACT. THESE MODIFICATIONS SHALL BE REPORTED AND COORDINATED WITH BOTH THE QSD AND THE QSP. ANY MODIFICATIONS TO THE OVERALL DURATION OF CONSTRUCTION SCHEDULE FROM THAT AS SHOWN ON THE CURRENT SWPPP SHALL ALSO BE REPORTED TO THE QSD. THE QSD SHALL THAN BE REQUIRED TO FILE AN EXTENSION OF CONSTRUCTION OR COI, (CHANGE OF INFORMATION), WITH THE STATE WATER RESOURCE CONTROL BOARD. ALL BMP'S SHALL BE MAINTAINED YEAR ROUND TO THE SATISFACTION OF THE QSD AND QSP.
8. CONTRACTOR SHALL PROTECT ALL EXISTING DRAIN INLETS WITHIN A 500-FT RADIUS FROM THE CENTER OF THE SITE TO PREVENT NON-STORMWATER RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
9. FOR EROSION CONTROL GENERAL NOTES, AND MISCELLANEOUS REQUIREMENTS, SEE SHEETS C601 AND C602.



EROSION CONTROL PLAN

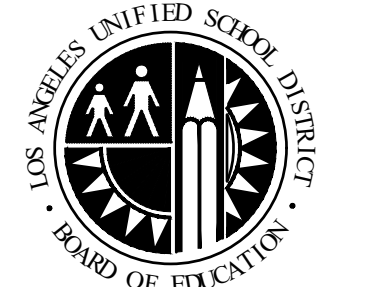


SCALE: 1"=20

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PROJECT TITLE AND SCHOOL LOCATION

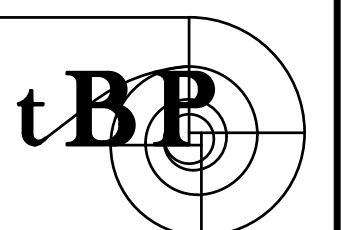
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CONSULTANT



STAMPS/SEALS



SHEET TITLE:

EROSION CONTROL PLAN

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

SHEET NUMBER

C600

DATE: 07/05/2023

SHEET: 20 OF: 24

GENERAL NOTES:

1. IN CASE OF EMERGENCY, CALL: CONTRACTOR NAME _____
PHONE NUMBER: _____.
2. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON SITE WHEREVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE QSP. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
10. EVERY EFFORT MUST BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITE AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
13. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASTED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMP's ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY LAUSD (COPIES OF SELF-INSPECTION CHECKLIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST). AT HIS/HER EXPENSE THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A QUALIFIED SWPPP PRACTITIONER FOR THE DURATION OF THE PROJECT.

16. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
19. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION QUALITY."

EROSION CONTROL

- EC1 – SCHEDULING
- EC2 – PRESERVATION OF EXISTING VEGETATION
- EC3 – HYDRAULIC MULCH
- EC4 – HYDROSEEDING
- EC5 – SOIL BINDERS
- EC6 – STRAW MULCH
- EC7 – GEOTEXTILES AND MATS
- EC8 – WOOD MULCHING
- EC9 – EARTH DIKES AND DRAINAGE SWALES
- EC10 – VELOCITY DISSIPATION DEVICES
- EC11 – SLOPE DRAINS
- EC12 – STREAMBANK STABILIZATION
- EC13 – RESERVED
- EC14 – COMPOST BLANKETS
- EC15 – SOIL PREPARATION/ROUGHENING
- EC16 – NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

- SE1 – SILT FENCE
- SE2 – SEDIMENT BASIN
- SE3 – SEDIMENT TRAP
- SE4 – CHECK DAM
- SE5 – FIBER ROLLS
- SE6 – GRAVEL BAG BERM
- SE7 – STREET SWEEPING AND VACUUMING
- SE8 – GRAVEL BAG BARRIER
- SE9 – STRAW BALE BARRIER
- SE10 – STORM DRAIN INLET PROTECTION
- SE11 – ACTIVE TREATMENT SYSTEMS
- SE12 – TEMPORARY SILT DIKE
- SE13 – COMPOST SOCKS & BERMS
- SE14 – BIOFILTERS BAGS

WIND EROSION CONTROL

- WE1 – WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

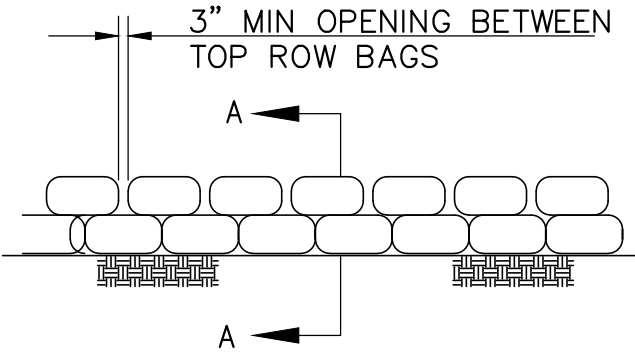
- TC1 – STABILIZED CONSTRUCTION ENTRANCE
- EXIT
- TC2 – STABILIZED CONSTRUCTION ROADWAY
- TC3 – ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT

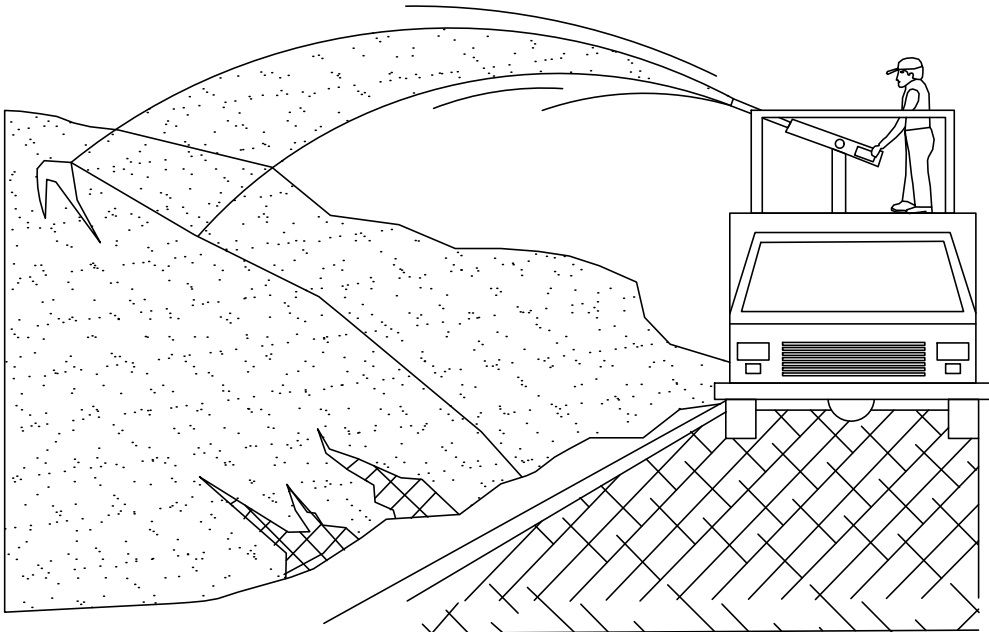
- NS1 – WATER CONSERVATION PRACTICES
- NS2 – DEWATERING OPERATIONS
- NS3 – PAVING AND GRINDING OPERATIONS
- NS4 – TEMPORARY STREAM CROSSING
- NS5 – CLEARWATER DIVERSION
- NS6 – ILICIT CONNECTION/DISCHARGE
- NS7 – POTABLE WATER/IRRIGATION
- NS8 – VEHICLE AND EQUIPMENT CLEANING
- NS9 – VEHICLE AND EQUIPMENT FUELING
- NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
- NS11 – PILE DRIVING OPERATIONS
- NS12 – CONCRETE CURING
- NS13 – CONCRETE FINISHING
- NS14 – MATERIAL AND EQUIPMENT USE
- NS15 – DEMOLITION ADJACENT TO WATER
- NS16 – TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

- WM1 – MATERIAL DELIVERY AND STORAGE
- WM2 – MATERIAL USE
- WM3 – STOCKPILE MANAGEMENT
- WM4 – SPILL PREVENTION AND CONTROL
- WM5 – SOLID WASTE MANAGEMENT
- WM6 – HAZARDOUS WASTE MANAGEMENT
- WM7 – CONTAMINATION SOIL MANAGEMENT
- WM8 – CONCRETE WASTE MANAGEMENT
- WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
- WM10 – LIQUID WASTE MANAGEMENT



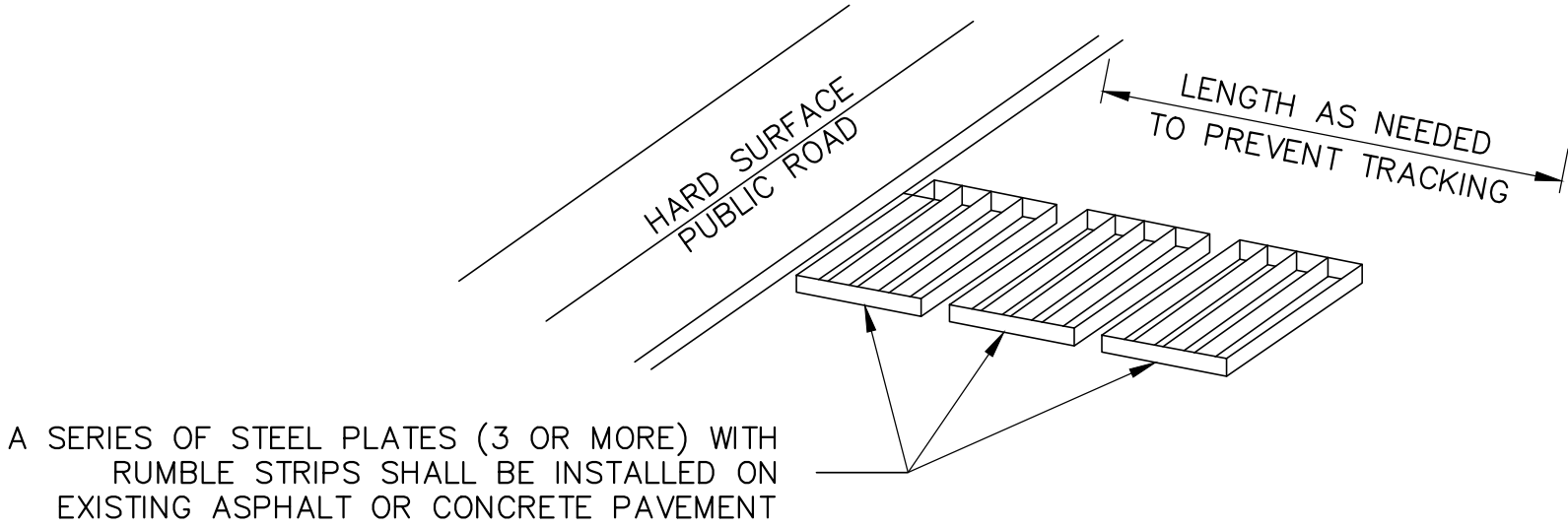
SECTION A-A



NOTES:

1. SOIL/SLOPE STABILIZATION PRACTICES SHALL BE DESIGNED TO PRESERVE EXISTING VEGETATION WHERE FEASIBLE AND TO REVEGETATE OPEN AREAS AS SOON AS FEASIBLE AFTER GRADING. THESE CONTROL PRACTICES SHALL INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, OR OTHER SOIL STABILIZATION PRACTICES.
2. SOIL STABILIZATION SHALL BE IMPLEMENTED ON ALL INACTIVE DISTURBED AREAS FROM NOVEMBER 1 THRU APRIL 15 AND ON ALL DISTURBED AREAS DURING A RAIN EVENT OR POTENTIAL RAIN.
3. STABILIZATION PRACTICES SHALL CONTROL/PREVENT EROSION FROM THE FORCES OF WIND AND WATER.
4. STABILIZATION PRACTICES SHALL BE IMPLEMENTED IN CONJUNCTION WITH SEDIMENT TRAPPING/FILTERING PRACTICES AND PRACTICES TO REDUCE THE TRACKING OF SEDIMENT ONTO PAVED ROADS.
5. WHEN USING STRAW MULCHING, THE MINIMUM APPLICATION SHALL BE 2 TONS/ACRE. MULCH MUST BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.
6. WHEN USING HYDROSEEDING/MULCHING, THE MINIMUM APPLICATION OF WOOD FIBER SHALL BE 1,500 LBS/ACRE, THAT DOES NOT CONTAIN MORE THAN 50 PERCENT NEWSPRINT.
7. FOR SEEDING RECOMMENDATIONS, USDA, NATURAL RESOURCES CONSERVATION SERVICE.

1 GENERAL NOTES



NOTES:

1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:

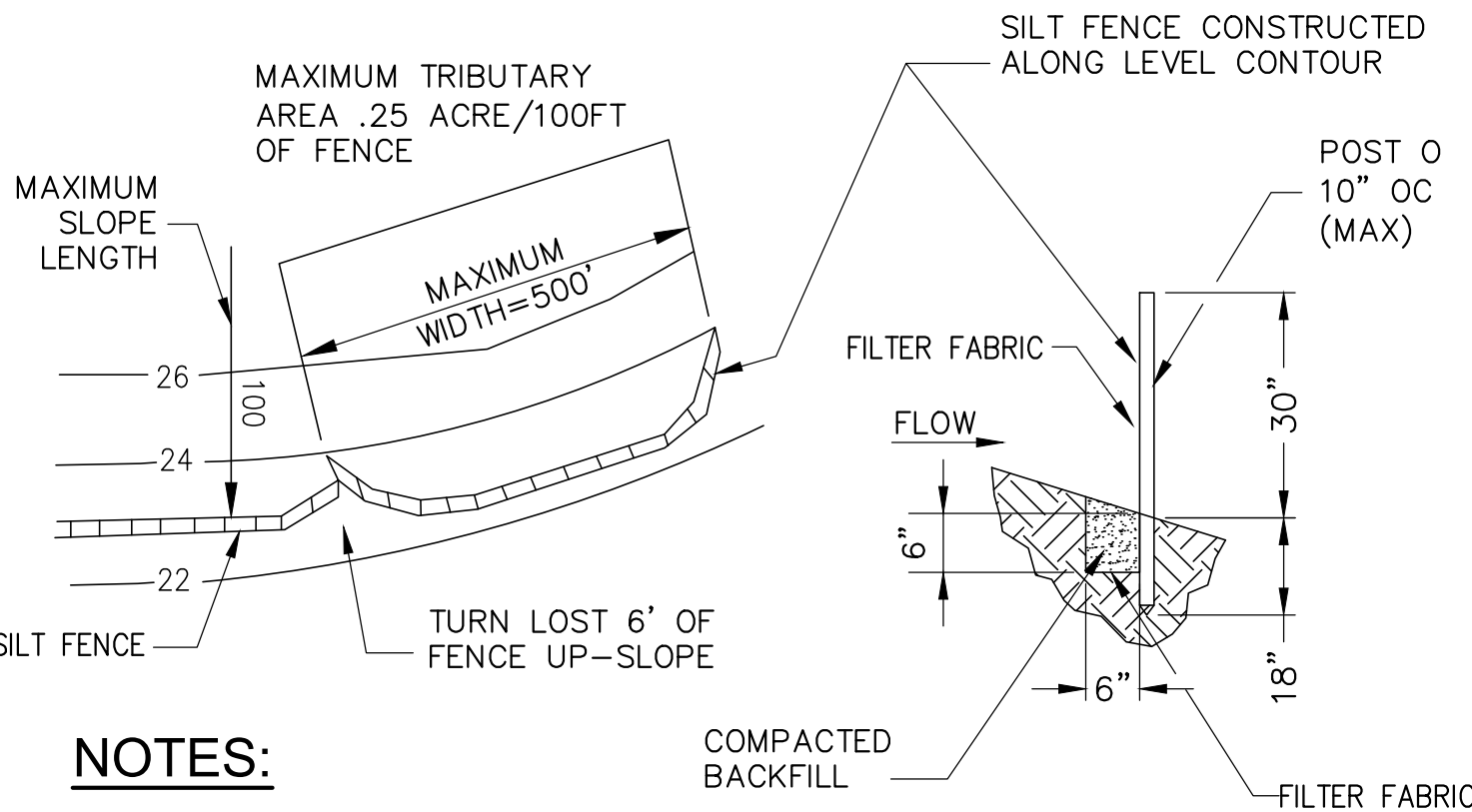
A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE RD OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.

B. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

STREET MAINTENANCE

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

4 STABILIZED CONSTRUCTION ENTRANCE / EXIT

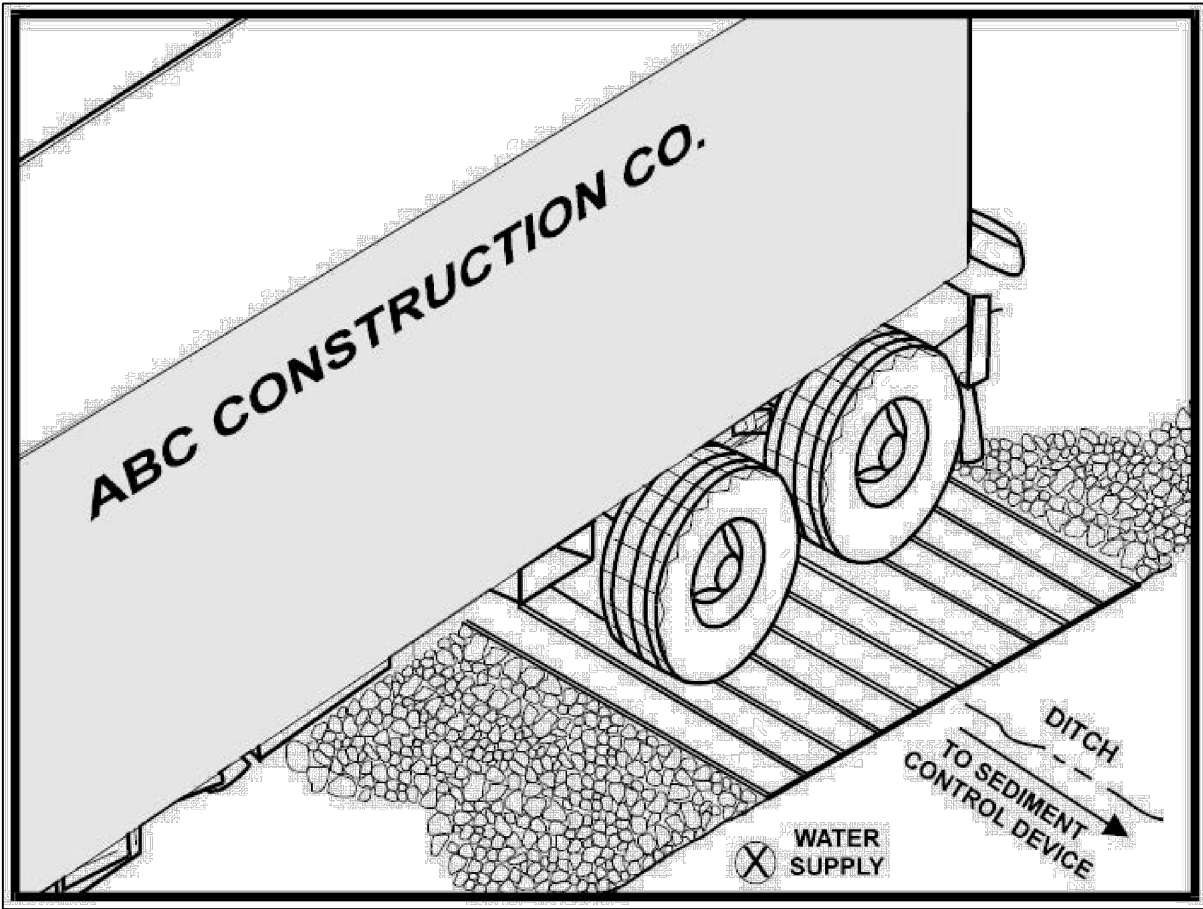


NOTES:

1. CONSTRUCT THE SILT FENCE ALONG A LEVEL CONTOUR.
2. SILT FENCES SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
3. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOE OF SLOPE OR OTHER OBSTRUCTIONS. ABOUT 1200 SQ. FT. OF PONDING AREA SHALL BE PROVIDED FOR EVERY ACRE DRAINING TO THE FENCE.
4. TURN THE ENDS OF THE FILTER FENCE UPHILL TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
5. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWNSLOPE FROM THE FENCE.
6. DO NOT PLACE IN LIVE STREAM OR INTERMITTENTLY FLOWING CHANNELS.
7. WHEN STANDARD FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG. TIE WIRES OR HOG RINGS.

5 SILT FENCE

3 EROSION CONTROL



NOTES:

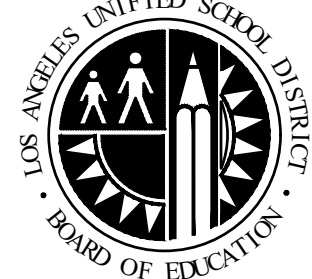
1. THE TIRE WASH REQUIRES A SUPPLY OF WASH WATER.
2. A TURNOUT OR DOUBLEWIDE EXIT IS REQUIRED TO AVOID HAVING ENTERING VEHICLES DRIVE THROUGH THE WASH AREA.
3. DO NOT USE WHERE WET TIRE TRUCKS LEAVING THE SITE LEAVE THE ROAD DANGEROUSLY SLICK.
4. INCORPORATE WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT.
5. CONSTRUCT ON LEVEL GROUND WHEN POSSIBLE, ON A PAD OF COARSE AGGREGATE GREATER THAN 3 IN. BUT SMALLER THAN 6 IN. A GEOTEXTILE FABRIC SHOULD BE PLACED BELOW THE AGGREGATE.
6. WASH RACK SHOULD BE DESIGNED AND CONSTRUCTED/MANUFACTURED FOR ANTICIPATED TRAFFIC LOADS.

6 ENTRANCE/OUTLET TIRE WASH

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ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

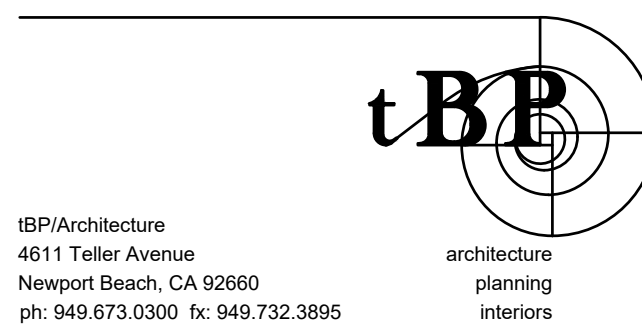
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

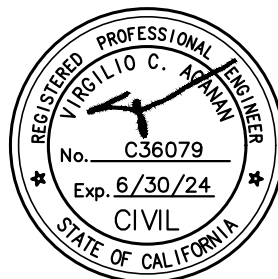
COMMISSIONED ARCHITECT



CONSULTANT



STAMPS/SEALS



SHEET TITLE:

EROSION CONTROL
DETAILS

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

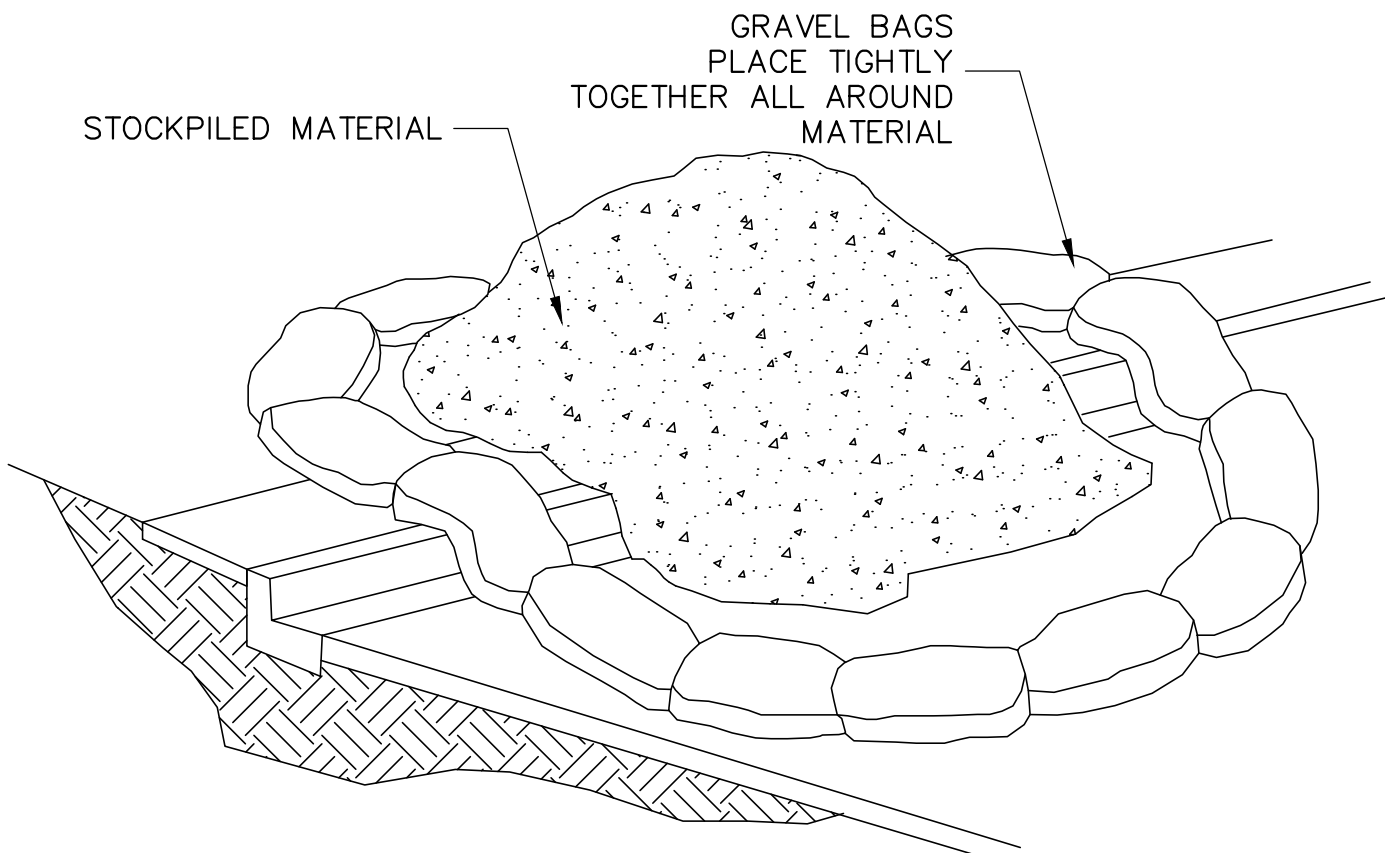
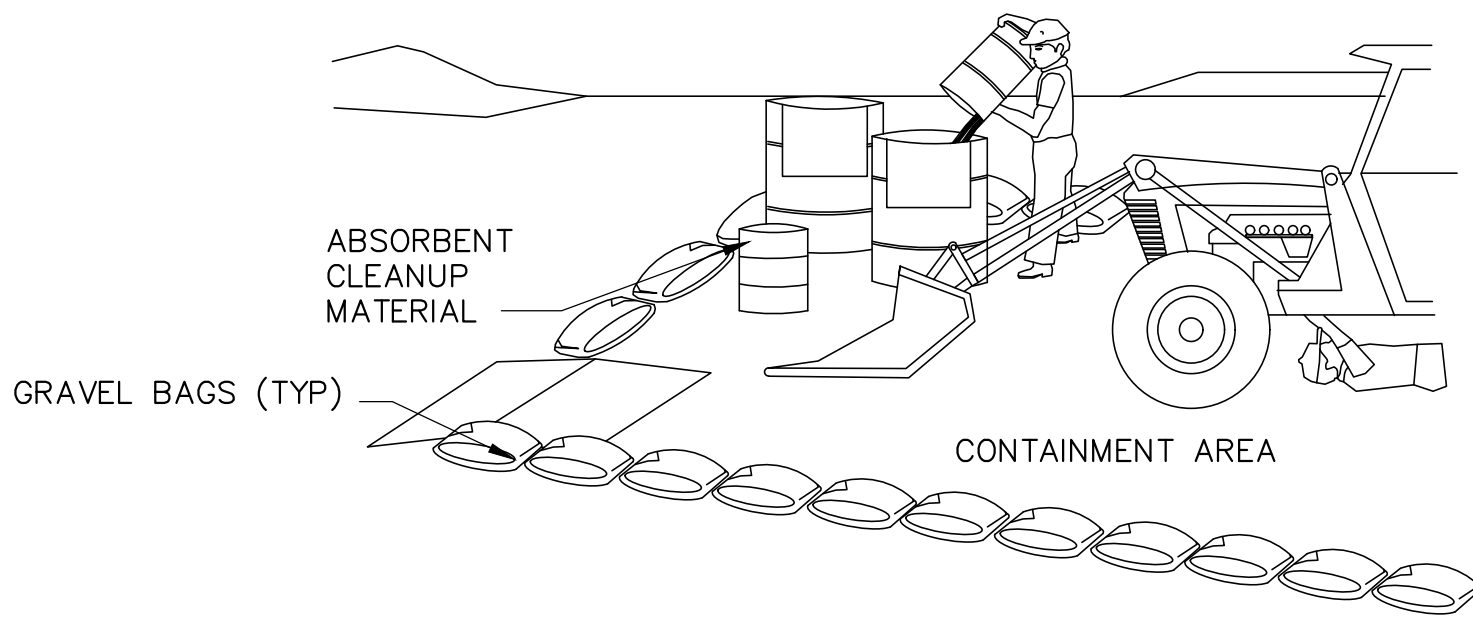
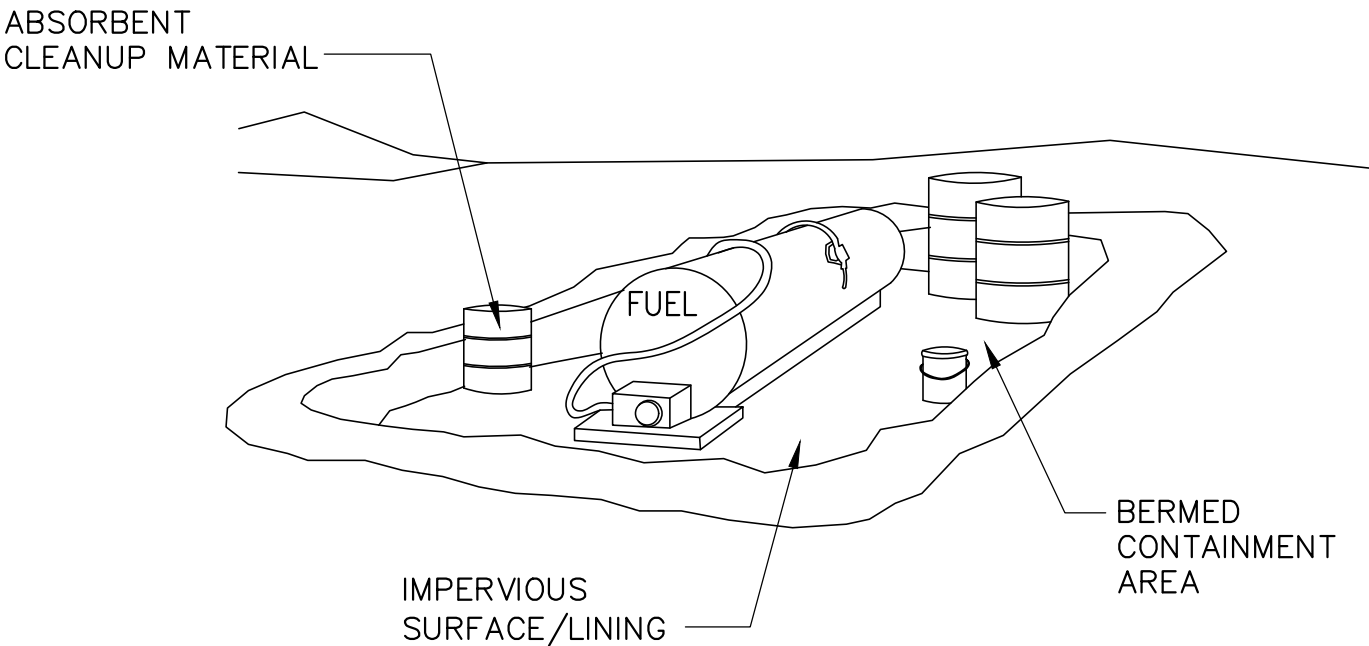
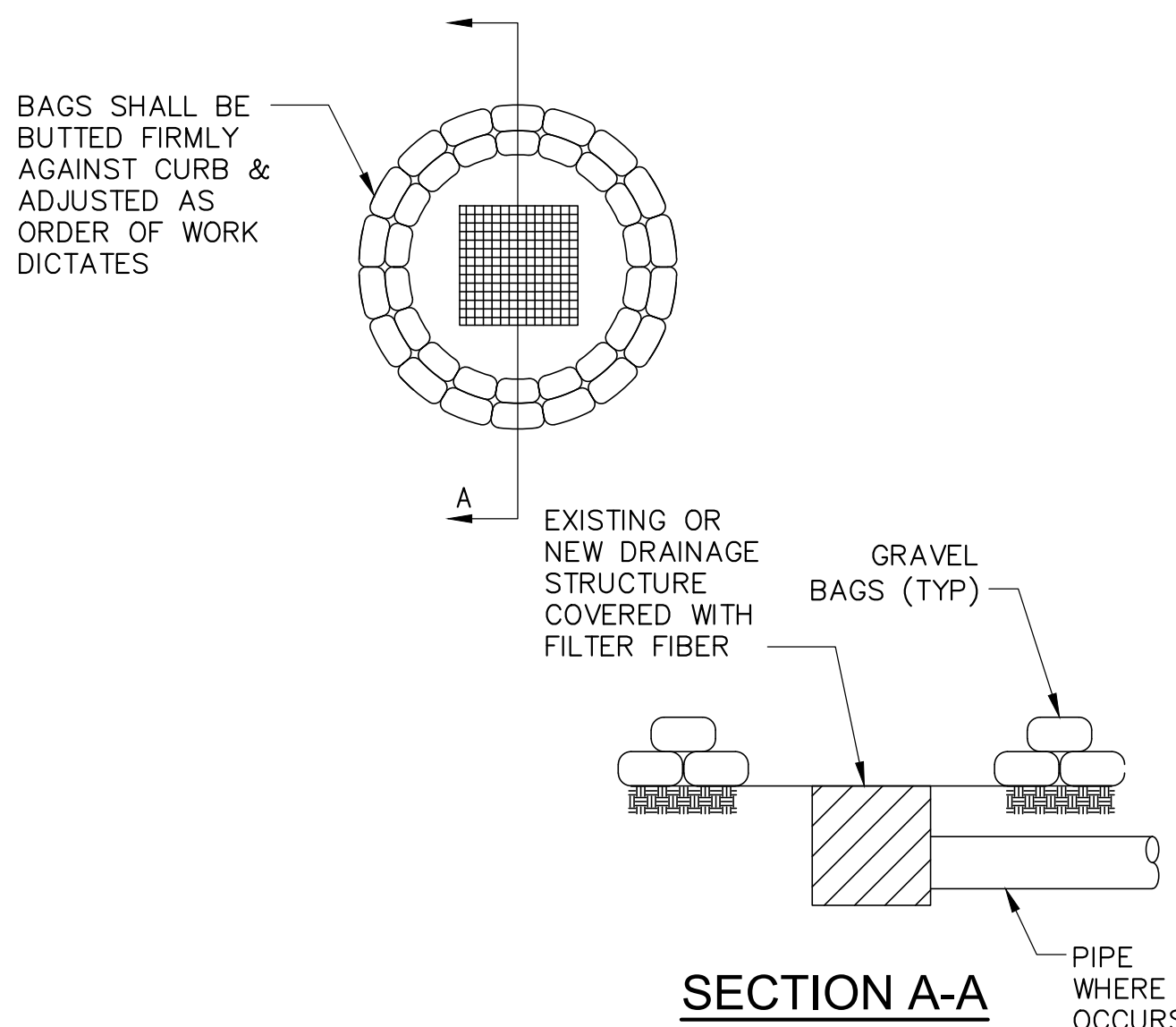
CHECKED:

SHEET NUMBER

C601

DATE: 07/05/2023

SHEET: 21 OF 24

<div></div> <div><p>NOTES:</p><ol style="list-style-type: none">DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.</div>		<div></div> <div><p>NOTES:</p><ol style="list-style-type: none">LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY. CLEAN UP SPILLS AND LEAKS PROMPTLY WITH ABSORBENT; DO NOT FLUSH WITH WATER.VEHICLES AND EQUIPMENT SHALL BE MAINTAINED AND REPAIRED ON-SITE ONLY IN DESIGNATED AREAS. PREVENT RUN-ON AND RUN-OFF FROM DESIGNATED AREAS. CONTAINMENT DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY.DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, WAY FROM STORM DRAIN INLETS AND WATERCOURSES.ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH, TO CATCH SPILLS AND LEAKS WHEN REMOVING OR CHANGING FLUIDS.LEGALLY DISPOSE OF USED OILS, FLUIDS, AND LUBRICANTS.PROVIDE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL, FUEL, AND CHEMICAL DRUMS.MAINTAIN ON ADEQUATE SUPPLY OF ABSORBENT SPILL CLEANUP MATERIALS IN DESIGNATED AREA.</div>		<div></div> <div><p>NOTE:</p><ol style="list-style-type: none">FUELING SHALL BE PERFORMED IN A DESIGNATED AREA, AWAY FROM COURSES. ABSORBENT CLEANUP MATERIAL SHALL BE ON SITE AND USED IMMEDIATELY IN THE EVENT OF A SPILL.</div>	
1 MATERIAL STORAGE NOT TO SCALE		2 EQUIPMENT REPAIR/MAINTENANCE		3 VEHICLE / EQUIPMENT FUELING	
<div></div>		<div><p>OWNER STATEMENT OF UNDERSTANDING:</p><p>AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I HAVE READ AND UNDERSTAND THE REQUIREMENTS TO CONTROL STORM WATER POLLUTION FROM SEDIMENTS, EROSION, AND CONSTRUCTION MATERIALS, AND I CERTIFY THAT I WILL COMPLY WITH THESE REQUIREMENTS. I, OR MY REPRESENTATIVE, CONTRACTOR, DEVELOPER, OR ENGINEER, WILL MAKE CERTAIN THAT ALL BMP SHOWN ON THIS PLAN WILL BE FULLY IMPLEMENTED, AND ALL EROSION CONTROL DEVICES WILL BE KEPT CLEAN AND FUNCTIONING. PERIODIC INSPECTIONS OF THE BMPs WILL BE CONDUCTED AND A CURRENT LOG, SPECIFYING THE EXACT NATURE OF THE INSPECTION AND ANY REMEDIAL MEASURES, WILL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES AND WILL BE AVAILABLE FOR THE REVIEW BY THE BUILDING OFFICIAL.</p><p>AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE LOCAL SWPPP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE LOCAL SWPPP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY THE LAW."</p><div><div>OWNER OR AUTHORIZED REPRESENTATIVE (PERMITEE)</div><div>DATE</div></div></div>			
4 GRAVEL BAG CHECK DAM		5 STATEMENT OF UNDERSTANDING			

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

SCHOOL DISTRICT

ASSET MANAGEMENT

FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE

MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

IBP/Architecture

4611 Teller Avenue

Newport Beach, CA 92660

ph: 949.673.0300 fx: 949.732.3895

tBP

architecture

planning

interiors

CONSULTANT

MC A ENGINEERS INC.

1041 S Garfield Ave Suite #210, Alhambra,

CA 91801

Tel. 323.729.6098 Fax. 323.729.6043

STAMPS/SEALS

PROFESSIONAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER

No. C36079

Exp. 6/30/24

CIVIL

STATE OF CALIFORNIA

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

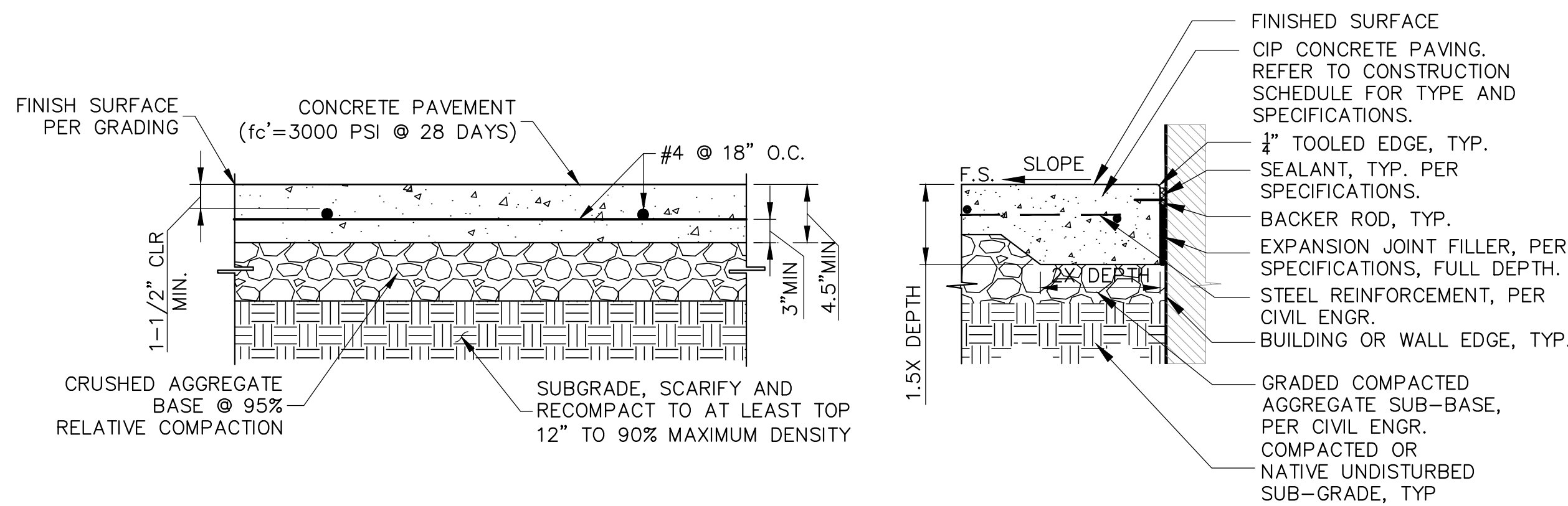
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SHEET NUMBER

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DATE: 07/05/2023

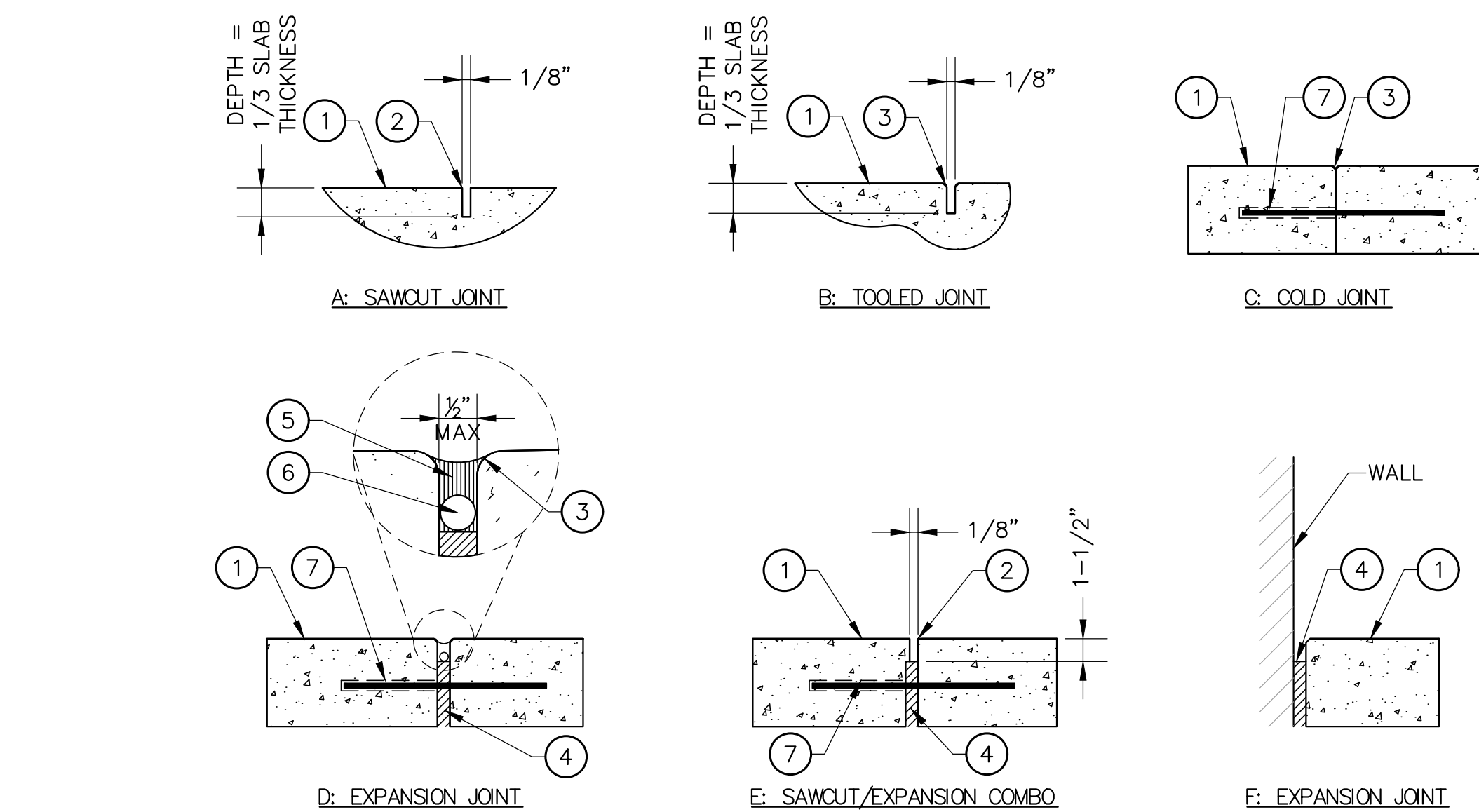
SHEET: 22 OF: 24



NOTES:

1. THICKNESS OF CONCRETE AND BASE TO MATCH WITH EXISTING CONDITIONS.
2. FOR CONSTRUCTION JOINTS, EXPANSION JOINTS, PAVEMENT TRANSITIONS, AND FINISH SURFACE REQUIREMENTS, REFER TO DETAIL 2 & 3 ON THIS SHEET.
3. CONCRETE, $f'c=3000$ psi @ 28 DAYS. REBARS, $f_y=60,000$ psi ASTM A615.
4. PROVIDE $\frac{1}{2}$ EJ WERE NEW CONCRETE ABUTS EXISTING CONCRETE.
5. PROVIDE 1-1/2" MIN. BAR CLEARANCE SURFACE COVER PER ACI 318-19 TABLE 20.5.1.3.1.

1 CONCRETE PAVEMENT DETAIL
NOT TO SCALE



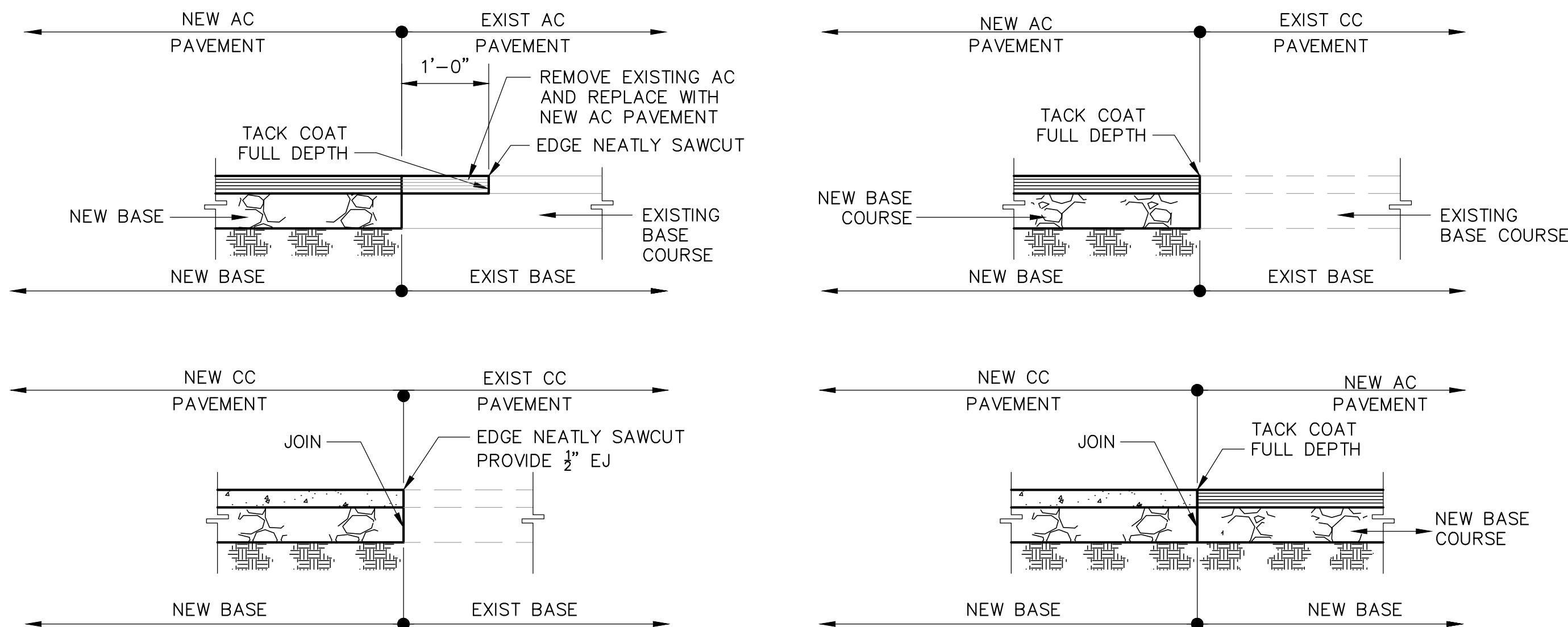
LEGENDS:

1. PAVING FINISH SURFACE.
2. SAWCUT.
3. 1/4" R. @ EDGES. TYP.
4. PREMOLDED E.J. FILLER.
5. JOINT SEALANT. COLOR TO BE SELECTED BY ARCHITECT. SUBMIT COLOR SAMPLES PRIOR TO INSTALLATION.
6. BACKER ROD.
7. 18" #4 REBAR W/ 'SPEED DOWEL' @ 36" OC, CENTER IN CONC. AT COLD JOINTS & E.J.'S.

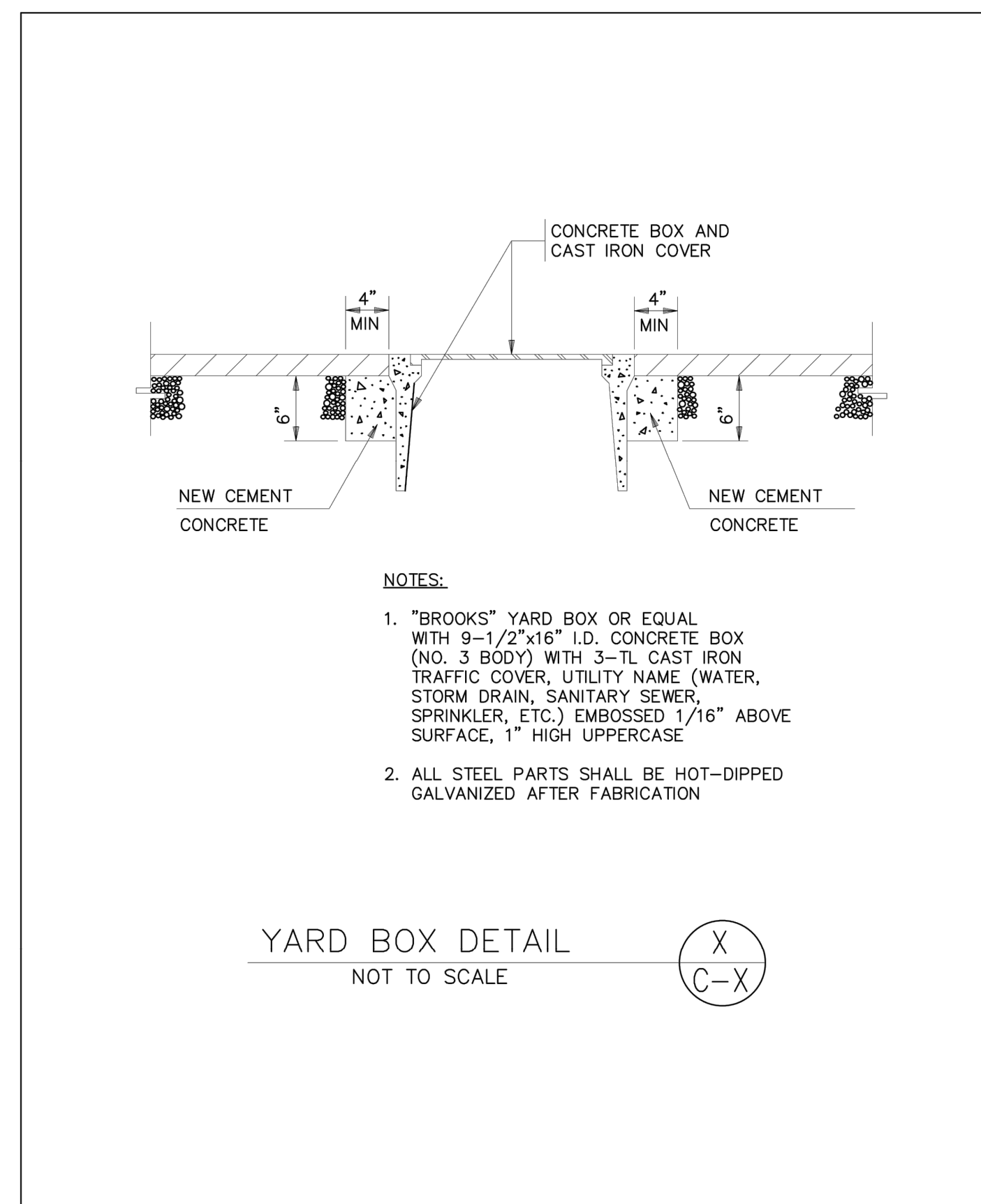
NOTES:

- A. CONTROL JOINTS 20' OC MAX.
- B. LANDSCAPE TO SUBMIT SHOP DRAWINGS OF CONTROL JOINT AND EXPANSION JOINT LAYOUT.

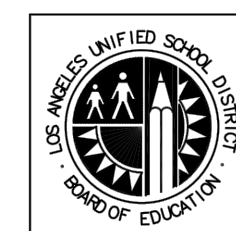
3 JOINT DETAIL
NOT TO SCALE



2 PAVEMENT TRANSITION DETAIL
NOT TO SCALE



YARD BOX DETAIL
NOT TO SCALE



LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
CIVIL ENGINEERING AND SITE DETAILS
YARD BOX DETAIL

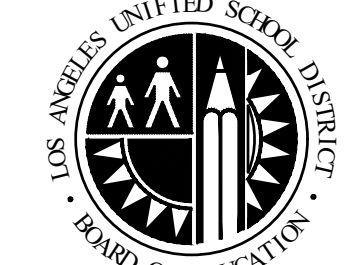
DRAWING No.
C-104
DATE: JAN. 1, 2013

4 LAUSD YARD BOX DETAIL
SCALE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
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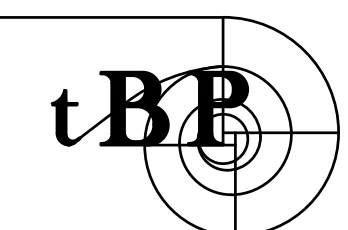
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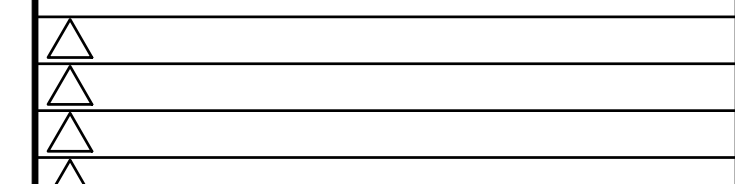
tBP/Architecture
4811 Teller Avenue
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ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

SHEET NUMBER

C700

DATE: 07/05/2023

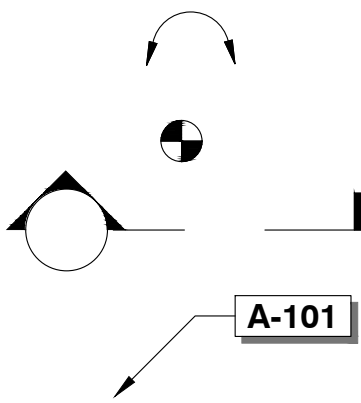
SHEET: 23 OF: 24

ABBREVIATIONS

&	AND	IRRIG	IRRIGATION
@	AT	L	LENGTH
#	NUMBER	LB.	POUND
%	PERCENT	L.F.	LINEAR FEET
A.C.	ASPHALTIC CONCRETE	L.O.W.	LIMIT OF WORK
AD	AREA DRAIN	LP	LOW POINT
ADJ.	ADJACENT	MAX.	MAXIMUM
AGG	AGGREGATE	M.E.P.	MECHANICAL, ELECTRICAL, PLUMBING
AM	APICAL MERISTEM	MIN.	MINIMUM
APPROX	APPROXIMATE	(N)	NEW
ARCH.	ARCHITECTURE / ARCHITECT	NAT.	NATURAL
ASTM	AMERICAN SOCIETY OF TESTING & MATERIALS	NOM	NOMINAL
ASSY	ASSEMBLY	N.I.C.	NOT IN CONTRACT
AVG	AVERAGE	N.T.E.	NOT TO EXCEED
BC	BOTTOM OF CURB	N.T.S.	NOT TO SCALE
BCR	BEGIN CURB RADIUS	O.C.	ON CENTER
BET	BETWEEN	O.D.	OUTSIDE DIAMETER
BFP	BACK FLOW PREVENTER	OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
BLDG.	BUILDING	P.A., PA	PLANTING AREA
BS	BOTTOM OF STEP	PERF	PERFORATED
BTH	BROWN TRUNK HEIGHT	P.O.B.	POINT OF BEGINNING
BW	BOTTOM OF WALL	POC	POINT OF CONNECTION
C.I.P.	CAST IN PLACE	POT	POINT OF TANGENCY
C.J.	CONSTRUCTION JOINT	PP	POWER POLE
CL	CENTER LINE	PL	PROPERTY LINE
CLR	CLEAR	PSI	POUNDS PER SQUARE INCH
CMB	CRUSHED MISCELLANEOUS BASE	PTDF	PRESSURE TREATED DOUGLAS FIR
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
CONC.	CONCRETE	PVC	POLY VINYL CHLORIDE
CONT.	CONTINUOUS	QCV	QUICK COUPLING VALVE
CORP.	CORPORATION	QTY	QUANTITY
CY	CUBIC YARD	R.	RISER
d	PENNY (NAIL SIZE)	R, RAD.	RADIUS
DEG	DEGREE	R.C.B.	ROOT CONTROL BARRIER
D.G.	DECOMPOSED GRANITE	RCV	REMOTE CONTROL VALVE
D.I.	DRAIN INLET	REINF.	REINFORCED
D,DIA.	DIAMETER	REP.	REPRESENTATIVE
DIAG	DIAGONAL	R.O.W.	RIGHT-OF-WAY
DIM	DIMENSION	S.C.	SAWCUT JOINT
DWGS.	DRAWINGS	SE	STRUCTURAL ENGINEER
(E)	EXISTING	SCH.	SCHEDULE
EA.	EACH	SF	SQUARE FEET
E.J.	EXPANSION JOINT	SIM.	SIMILAR
ENGR	ENGINEER	S.J.	SCORE JOINT
EX.	EXISTING	S.L.	SCORELINE
ETC.	ETCETERA	SPECS	CONTRACT SPECIFICATIONS
E.W.	EACH WAY	SQ.	SQUARE
F.D.C.	FIRE DEPARTMENT CONNECTIONS	SS	STAINLESS STEEL
FDTN	FOUNDATION	STD.	STANDARD
FFE	FINISH FLOOR ELEVATION	SYM	SYMMETRICAL
FF	FINISH FLOOR	S4S	SURFACED FOUR SIDES
FG	FINISH GRADE	T.	TREAD
FIN.	FINISH	T.B.D.	TO BE DETERMINED
FS	FINISH SURFACE	TC	TOP OF CURB
FTG.	FOOTING	TF	TOP OF FOOTING
GA	GAUGE	TG	TOP OF GRATE
GAL	GALLON	TS	TUBULAR STEEL
GALV.	GALVANIZED	TW	TOP OF WALL
GPM	GALLON PER MINUTE	TYP.	TYPICAL
H.B.	HEADERBOARD	VERT.	VERTICAL, VERTICALLY
HDWR	HARDWARE	V.I.F.	VERIFY IN FIELD
H,HT.	HEIGHT	W	WIDTH
HOR.	HORIZONTAL, HORIZONTALLY	W/	WITH
HP	HIGH POINT	WL	WATER LEVEL
HSS	HOLLOW STRUCTURAL STEEL	W.W.M.	WELDED WIRE MESH
ID	INSIDE DIAMETER		

SYMBOLS

	PROPERTY LINE
	RIGHT-OF-WAY
	LIMIT OF WORK LINE
	MATCHLINE
	MATCHLINE
	CENTER LINE

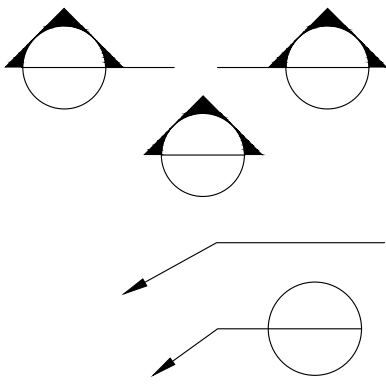


ALIGN

POINT OF BEGINNING/ORIGIN POINT OF LAYOUT

DETAIL SECTION

KEYNOTE



SECTION

ELEVATION

CALLOUT

DETAIL

GENERAL NOTES

- CONSTRUCTION DOCUMENTS INCLUDE PROVISIONS NOTED HEREIN FOR BOTH THESE CONTRACT DRAWINGS AND ASSOCIATED CONTRACT SPECIFICATIONS. THE CONSTRUCTION DRAWINGS ARE GRAPHIC AND DIAGRAMMATIC, CONVEYING THE DESIGN INTENT OF THE CONSTRUCTION CONTRACT.
- THE CONSTRUCTION DOCUMENTS ARE AN INSTRUMENT OF SERVICE AND PROPERTY OF THE LANDSCAPE ARCHITECT. THEY ARE NOT TO BE REPRODUCED WITHOUT THE LANDSCAPE ARCHITECT'S PERMISSION. ANY REPRODUCTION THAT IS GRANTED MUST CARRY THE LANDSCAPE ARCHITECT'S NAME. ALL DESIGN AND OTHER INFORMATION SHOWN WITHIN THE CONSTRUCTION DOCUMENTS IS FOR USE ON THE SPECIFIED PROJECT ONLY AND SHALL NOT BE USED OTHERWISE WITHOUT WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.
- THE INTENTION OF THESE DOCUMENTS SHALL INCLUDE ALL LABOR, SERVICES, MATERIALS, DEVICES, SUPPLIES, EQUIPMENT, TRANSPORTATION, ETC. AND OTHER FACILITIES NECESSARY FOR AND INCIDENTAL TO THE PROPER EXECUTION AND COMPLETION OF WORK ON THE DRAWINGS, AND THE WORK THAT CAN BE REASONABLY INFERRED THEREFROM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.
- CONSTRUCTION DRAWINGS SHALL BE VALID FOR USE FOR CONSTRUCTION ONLY WHEN THEY HAVE BEEN SIGNED, STAMPED/SEALED, AND DATED BY THE LICENSED PROFESSIONAL WHO HAS OVERSEEN THEIR PREPARATION AND WHERE PERMITTING HAS BEEN GRANTED BY THE JURISDICTIONAL AUTHORITY.
- CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF REMOVAL / CONSTRUCTION, INCLUDING SHORING AND TEMPORARY BRACING. CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE PROJECT SITE AND ADJACENT TO THE SITE. OBSERVATION VISITS TO THE SITE BY THE LANDSCAPE ARCHITECT DOES NOT INCLUDE REVIEW OF THESE MEASURES.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY FEES, LICENSES, AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK, AND ALL FEDERAL, STATE, LOCAL AND ALL OTHER TAXES THAT ARE APPLICABLE TO THIS CONTRACT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME GENERALLY FAMILIAR WITH THE JOB SITE AND CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. A SITE VISIT IS REQUIRED TO VERIFY DIMENSIONS AND THE CONDITIONS; REPORT ANY DISCREPANCIES UPON DISCOVERY TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH WORK.
- DO NOT SCALE CONSTRUCTION DRAWINGS. USE DIMENSIONS AS INDICATED ON PLANS. WHERE LACK OF INFORMATION OR ANY DISCREPANCY SHOULD APPEAR IN THE CONTRACT DRAWINGS OR SPECIFICATIONS, CONTRACTOR SHALL REQUEST WRITTEN INTERPRETATION FROM THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT BEEN APPARENT DURING DESIGN.
- NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE CONTRACT DRAWINGS OR SPECIFICATIONS WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE OWNER OR THEIR AUTHORIZED REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL.
- EXTRA WORK OR TIME EXTENSIONS TO COMPLETE SCOPE SHALL BE APPROVED IN WRITING BY THE OWNER OR THEIR AUTHORIZED REPRESENTATIVE ONLY.
- OBTAIN REVIEW OF SHOP DRAWINGS BY LICENSED PROFESSIONALS WHOSE WORK SCOPE IS AFFECTED BY SUCH DRAWINGS UNDER THIS CONTRACT PRIOR TO FABRICATION.
- WHERE A SYSTEM, MATERIAL, OR ASSEMBLY IS CALLED FOR, ALL NECESSARY PARTS AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION/SYSTEM SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, AND SPECIFICATIONS.
- WORK PERFORMED SHALL COMPLY WITH THE MOST RECENT APPLICABLE FEDERAL, STATE, AND LOCAL BUILDING CODES AND REQUIREMENTS, INCLUDING THE MOST RECENT REQUIREMENTS OF THE ACCESSIBILITY CODES.
- CONTRACTOR SHALL PROVIDE ACCESS AT ALL TIMES TO OWNER, THEIR REPRESENTATIVES, AND LANDSCAPE ARCHITECT FOR THE PURPOSE OF REVIEW / OBSERVATION TO ALL PARTS OF THE WORK AND TO THE SHOPS WHEREIN THE WORK MAY BE IN PREPARATION.
- SUBMIT REQUESTS FOR MEETINGS, OBSERVATIONS, AND REVIEWS TO BE PERFORMED BY THE LANDSCAPE ARCHITECT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE PROPOSED DATE AND TIME.
- MAINTAIN A SAFE AND SECURE SITE DURING ALL PHASES OF WORK. CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH THE WORK.
- OWNER AND LANDSCAPE ARCHITECT SHALL HAVE THE RIGHT TO REJECT MATERIALS OR WORKMANSHIP WHICH ARE FOUND TO BE DEFECTIVE, NOT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR REQUIRE THEIR CORRECTION. REJECTED WORKMANSHIP SHALL BE SATISFACTORILY CORRECTED. REJECTED MATERIALS SHALL BE PROMPTLY REMOVED FROM THE PROJECT SITE WITHOUT CHARGE TO THE OWNER. IF CONTRACTOR DOES NOT CORRECT SUCH REJECTED WORK WITHIN A REASONABLE TIME, FIXED BY WRITTEN NOTICE, OWNER MAY CORRECT SUCH WORK AND BACK-CHARGE THE FULL EXPENSE TO CONTRACTOR.
- CONTRACTOR AT ALL TIMES IS RESPONSIBLE TO KEEP THE SITE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY HIS OPERATIONS. AT THE COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL TEMPORARY ITEMS, WASTE MATERIALS, TRASH, DEBRIS, AND RUBBISH FROM AND ABOUT THE PROJECT AREA, INCLUDING CONSTRUCTION EQUIPMENT, TOOLS, MACHINERY, AND SURPLUS MATERIALS. FINAL CLEANING SHALL INCLUDE REMOVAL OF ALL TRACES OF SOIL, WASTE MATERIALS, AND OTHER FOREIGN MATTER FROM SURFACES. ENTIRE PROJECT SITE SHALL BE DELIVERED IN A NEAT, CLEAN, AND ACCEPTABLE CONDITION.

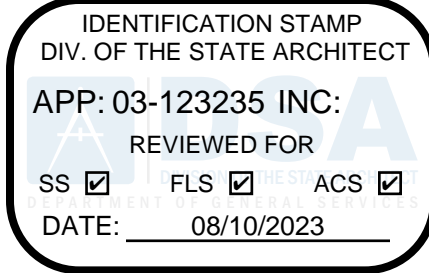
DIRECT ANY QUESTIONS REGARDING THESE PLANS TO :
STUDIO-MLA
251 S. MISSION RD.
LOS ANGELES, CA 90033
213-384-3844

ATTN: Alex San Diego

SHEET INDEX

LEGEND		DSA SUBMITTAL - 2023-0505					
SHEET NOT ISSUED							
ISSUED FOR INFORMATION AND COORDINATION							●
SHEET DELETED							Ø
SHEET SCOPE COMPLETED PREVIOUSLY							□
L0.01	GENERAL NOTES & SHEET INDEX	●					
L0.02	OVERALL REFERENCE PLAN	●					
L2.00	CONSTRUCTION & LAYOUT NOTES & SCHEDULE	●					
L2.01	CONSTRUCTION PLAN	●					
L2.02	CONSTRUCTION PLAN	●					
L2.10	LAYOUT PLAN	●					
L2.11	LAYOUT PLAN	●					
L6.01	CONSTRUCTION DETAILS	●					
L7.00	IRRIGATION NOTES & SCHEDULE	●					
L7.01	IRRIGATION PLAN	●					
L7.02	IRRIGATION PLAN	●					
L7.03	IRRIGATION DETAILS	●					
L8.00A	PLANTING NOTES	●					
L8.00B	PLANT SCHEDULE	●					
L8.01	PLANTING PLAN	●					
L8.02	PLANTING PLAN	●					
L8.03	PLANTING DETAILS	●					

DIVISION OF THE STATE ARCHITECT



A# 03-123235



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ASSET MANAGEMENT FACILITIES SERVICES DIVISION

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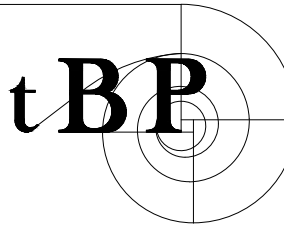
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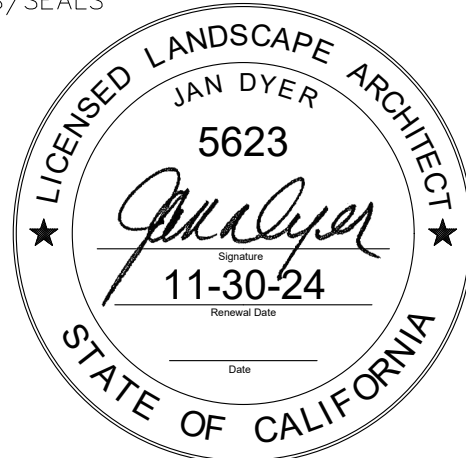
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ph: 949.673.0300 fx: 949.732.3895

CONSULTANT

STUDIO-MLA

251 South Mission Road
Los Angeles, California 90033
T. 213 384 3844 studio-mla.com

STAMPS/SEALS



SHEET TITLE:

GENERAL NOTES & SHEET INDEX

PROJECT NO.: 21011.11 PROJECT ARCH:

DRAWN: CHECKED:

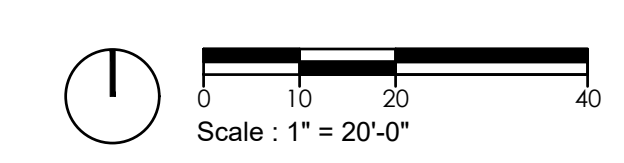
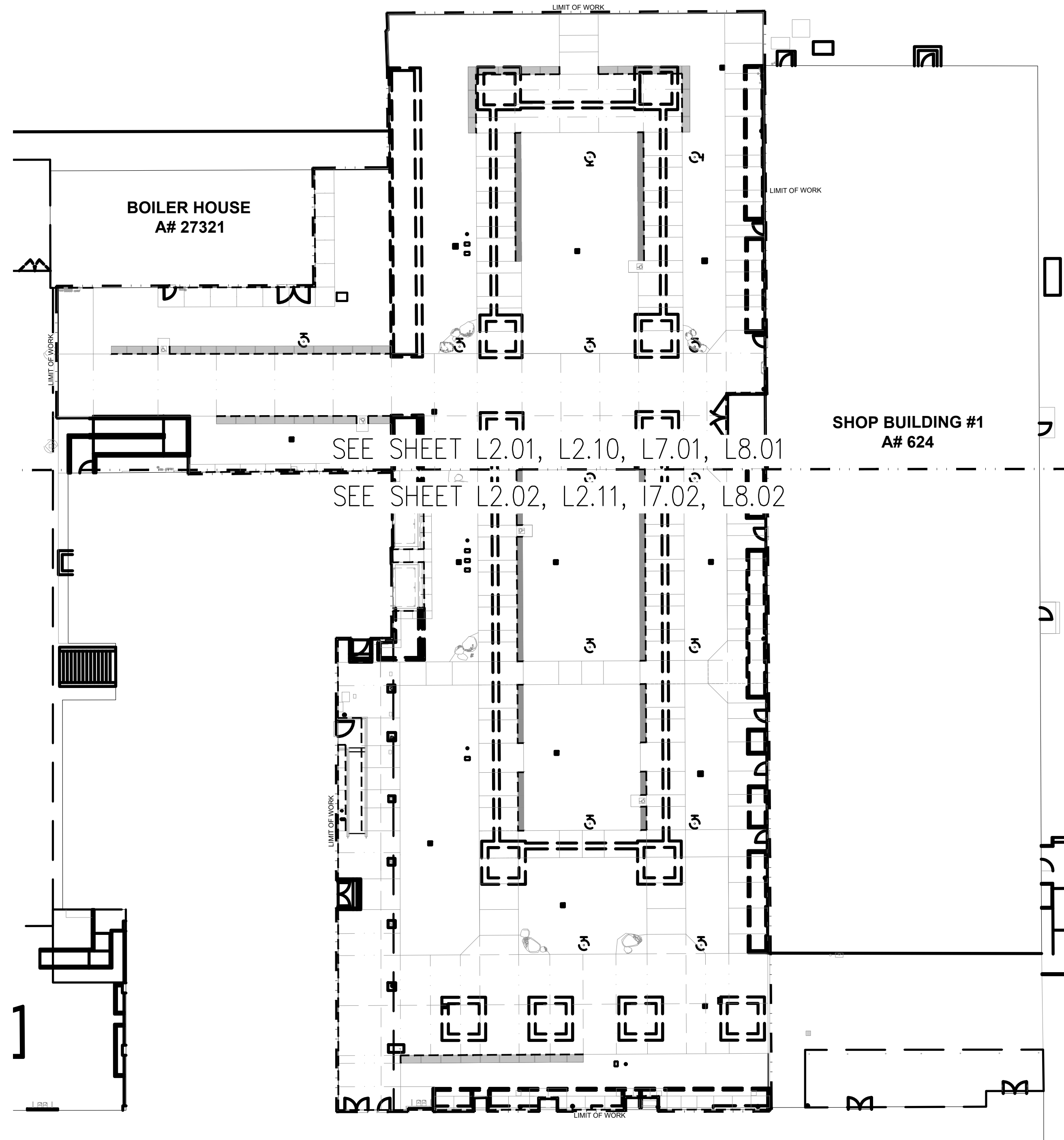
SHEET NUMBER

L0.01

DATE: 07/05/2023

SHEET: OF:





DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP

BP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT

STUDIO-
MLA

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STAMPS/SEALS

LICENSED LANDSCAPE ARCHITECT

JAN DYER

5623

Jan Dyer

11-30-24

STATE OF CALIFORNIA

OVERALL
REFERENCE PLAN

PROJECT NO.: 21011.11 PROJECT ARCH:

DRAWN: CHECKED:

SHEET NUMBER

L0.02

DATE: 07/05/2023 SHEET: OF:

CONSTRUCTION NOTES

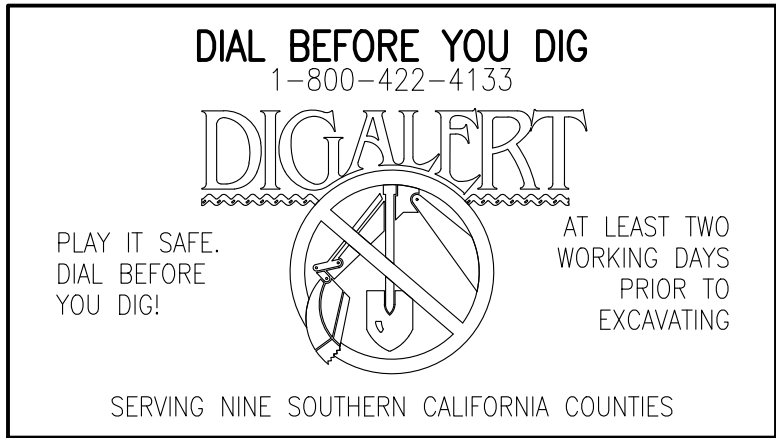
1. CONTRACTOR TO COORDINATE AND SCHEDULE WORK OF ALL TRADES SO AS TO NOT DELAY AT ANY PHASE OF COMPLETION. CONSTRUCTION DUE TO INTERCONNECTING WORK, OR LATE SCHEDULING, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT ALL SUB-TRADES ARE FAMILIAR WITH THE COMPLETE CONSTRUCTION DOCUMENTS PACKAGE INCLUDING WORK THAT MAY OR MAY NOT BE PART OF THEIR SCOPE.
2. WORK SHALL BE PERFORMED WITH THE BEST ACCEPTED PRACTICES OF THE RESPECTED TRADES. ALL MATERIALS TO BE NEW (UNLESS OTHERWISE NOTED ON DRAWINGS), FIRST CLASS IN EVERY RESPECT, AND SHALL CONFORM TO CONTRACT DOCUMENTS.
3. DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS.
4. NOTIFY DIG-ALERT (800.422.4133) TO OBTAIN AN UNDERGROUND SERVICE ID AT LEAST TWO (2) DAYS PRIOR BEFORE PROCEEDING WITH ANY EXCAVATION. LOCATIONS OF ALL SERVICE UTILITY RUNS, SUCH AS WATER SUPPLY, GAS, FIBER, ELECTRICAL (OVERHEAD AND UNDERGROUND), TELEPHONE, STORM, AND SANITARY SEWER, ETC. SHOULD BE ASCERTAINED BEFORE WORK COMMENCES. WHERE SERVICES MAY BE AFFECTED BY EXCAVATION, OR WHERE MACHINES MAY BE WORKING NEARBY, THEY SHOULD BE CAREFULLY SEALED, PROTECTED, OR DIVERTED. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.
5. COORDINATE ALL UTILITY RUNS AND INSTALLATIONS (EXISTING AND NEW) PRIOR TO PAVING INSTALLATION. VERIFY ALL SLEEVES AND ELECTRIC SOURCES FOR IRRIGATION CONTROL AND LIGHTING.
6. CLEAN OUT AND ADJUST EXISTING DRAIN INLETS TO ACCOMMODATE PROPOSED SURFACE DRAINAGE. ADJUST LATERAL DRAIN LINES AS NECESSARY TO BEST LINK EXISTING MAIN LINES.
7. OBTAIN INSPECTION AND APPROVAL OF FORM WORK AND REINFORCING PRIOR TO PLACING CONCRETE.
8. TRANSITIONS FROM EXISTING PAVING TO NEW PAVING OR BETWEEN DIFFERENT PAVING TYPES SHALL BE FLUSH, UNLESS OTHERWISE NOTED.
9. GRADIENTS SHALL POSITIVELY SLOPE AWAY FROM FOUNDATION(S) TOWARDS DRAIN INLETS AND DRAINAGE SWALES AT A MINIMUM RATE OF 1/8" PER CIVIL DWG. INSTALL CONCRETE FORM WORK WITH LONG, EVEN GRADIENTS TO ELIMINATE DIPS, RIDGES, ABRUPT CHANGES OF GRADE, AND SHARP TRANSITIONS.
10. INSTALL EXPANSION JOINTS (EJ) AT ALL VERTICAL ELEMENTS. INSTALL CONSTRUCTION CONTROL JOINTS (CCJ) AT MAX. 12'-0". ZIP JOINTS WILL NOT BE ALLOWED. INSTALL EJS AND CCJS AT 90° TO THE EDGE OF CONCRETE PAVING. SEE L2.10-L2.11 FOR JOINT LOCATIONS.
11. PRIOR TO PLACING CONCRETE, SUFFICIENTLY MOISTEN THE SUBGRADE AND PROVIDE SUBGRADE PREPARATIONS PER GEOTECHNICAL REPORT RECOMMENDATION.
12. INSTALL CONCRETE IMPROVEMENTS THAT OBTAIN A MINIMUM COMPRESSIVE STRENGTH NOTED IN SPECIFICATIONS. CONCRETE TYPE IS ALSO INDICATED IN SPECIFICATIONS; SUBMIT CONCRETE DESIGN MIXES AND REFEREE FINISH SAMPLES TO LANDSCAPE ARCHITECT. PREPARE FIELD MOCKUPS AND OBTAIN THEIR APPROVAL PRIOR TO INSTALLATION OF CONCRETE. INSTALL CONCRETE FLAT WORK PER RECOMMENDATIONS OF GEOTECHNICAL REPORT IF AVAILABLE, OTHERWISE, REFER TO SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN GEOTECHNICAL REPORT AND DETAILS, THE MOST STRINGENT REQUIREMENTS WILL APPLY.
13. WATERPROOF, BACKFILL AND COMPACT BEHIND ALL WALLS AND MASONRY STRUCTURES AS REQUIRED ON DRAWINGS. BACKFILL PLANTERS WITH IMPORTED AMENDED SOIL MIXTURE PER SPECIFICATIONS.
14. OWNER SHALL EMPLOY AND PAY FOR SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM SPECIFIED INSPECTION AND TESTING. IN THE EVENT A TEST AND/OR INSPECTION INDICATES FAILURE OF A MATERIAL OR PROCEDURE TO MEET REQUIREMENTS OF THE CONSTRUCT DOCUMENTS, COSTS FOR RE-TESTING AND/OR RE-INSPECTION WILL BE PAID BY THE OWNER AND BACK-CHARGED TO THE CONTRACTOR.
15. ADDITIONAL TESTS AND/OR INSPECTIONS NOT HEREIN SPECIFIED BUT REQUESTED BY THE OWNER OR LANDSCAPE ARCHITECT WILL BE PAID BY THE OWNER, UNLESS RESULTS OF SUCH TESTS AND/OR INSPECTIONS ARE FOUND TO BE NOT IN COMPLIANCE WITH CONTRACT DOCUMENTS. IN SUCH CASE, OWNER SHALL PAY FOR ALL COSTS FOR INITIAL TESTING AND/OR INSPECTIONS, AND RE-TESTING AND/OR RE-INSPECTIONS, AND BACK-CHARGED TO THE CONTRACTOR.

CONSTRUCTION LAYOUT NOTES

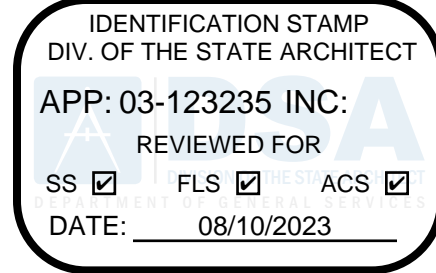
1. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. NOTED DIMENSIONS OR COORDINATE POINTS TAKE PRECEDENCE OVER SCALE, LARGER SCALE OVER SMALLER SCALE, ADDENDA AND CLARIFICATIONS OVER PREVIOUS DOCUMENTS.
2. CONTRACTOR TO LAY OUT HARDSCAPE ELEMENTS AND VERIFY LAYOUT WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. HARDSCAPE ELEMENTS ARE DIMENSIONED AND/OR IDENTIFIED BY COORDINATE POINTS ON THE CIVIL CONTROL SITE CONTROL PLAN, CIVIL COORDINATES PLAN, AND LANDSCAPE LAYOUT PLAN. ANY DISCREPANCIES OR CONFLICTS WITH EXISTING CONDITIONS OR OTHER DRAWINGS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY FOR PROPER CLARIFICATION OR ADJUSTMENT.
3. WHERE DIMENSIONS ARE CALLED AS "EQUAL," SPACE REFERENCED ITEMS EQUALLY, MEASURED TO THEIR CENTER LINE.
4. MEASUREMENTS ARE TO FACE OF BUILDING, WALL OR FIXED SITE IMPROVEMENT. DIMENSIONS TO CENTER LINES IS AS INDICATED
5. INSTALL INTERSECTING ELEMENTS AT 90 DEGREE ANGLES TO EACH OTHER UNLESS OTHERWISE NOTED.
6. PROVIDE EXPANSION JOINTS WHERE CONCRETE FLATWORK MEETS VERTICAL STRUCTURES SUCH AS WALLS, CURBS, STEPS AND BUILDING ELEMENTS. SEE L2.10-L2.11 FOR JOINT LOCATIONS.
7. ALL WALKWAYS SHALL BE LOCATED FROM FINISHED FACE OF BUILDINGS.
8. ALL RADII OF WALKWAY INTERSECTIONS ON THE PLANS SHALL BE 4'-0" OR AS INDICATED ON THE PLANS.
9. ALL WALKWAYS SHALL BE 6'-0" WIDE UNLESS OTHERWISE NOTED.
10. CONSTRUCTION JOINTS IN CONCRETE. WALKWAYS SHALL BE LOCATED 20'-0" O.C. MAXIMUM UNLESS OTHERWISE INDICATED. SEE L2.10-L2.11 FOR JOINT LOCATIONS.

REFERENCE NOTES SCHEDULE

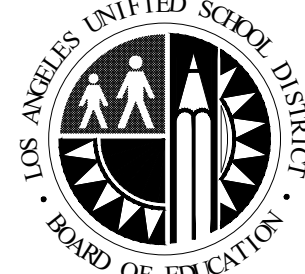
EDGING									
SYMBOL	DESCRIPTION	QTY	DETAIL	MANUFACTURER	REMARKS				
E-101	METAL HEADER	105 LF	6/L6.01	J.D. RUSSELL CO.(DURAEDGE) OR APPROVED EQUAL	8" DEEP				
ROCK									
SYMBOL	DESCRIPTION	QTY	DETAIL	MANUFACTURER/SUPPLIER	MATERIAL	FINISH	COLOR	REMARKS	SIZE
K-101	BOULDER A	7	7/L6.01	SOUTHWEST BOULDER & STONE OR APPROVED EQUAL	BAJA LA CRESTA GREY BOULDER	NATURAL	NATURAL	PLACEMENT DIRECTED IN FIELD BY LANDSCAPE ARCHITECT	2'X3'
K-102	BOULDER B	7	7/L6.01	SOUTHWEST BOULDER & STONE OR APPROVED EQUAL	BAJA LA CRESTA GREY BOULDER	NATURAL	NATURAL	PLACEMENT DIRECTED IN FIELD BY LANDSCAPE ARCHITECT	1.5'X2'
K-103	BOULDER C	4	7/L6.01	SOUTHWEST BOULDER & STONE OR APPROVED EQUAL	BAJA LA CRESTA GREY BOULDER	NATURAL	NATURAL	PLACEMENT DIRECTED IN FIELD BY LANDSCAPE ARCHITECT	1'X1.5'
PAVING									
SYMBOL	DESCRIPTION	QTY	DETAIL	MANUFACTURER	MATERIALS	FINISH	COLOR	REMARKS	
P-102	CIP CONCRETE PAVING A	8,409 SF	4/L6.01	N/A	CIP CONCRETE PAVING	TOP CAST #25	DAVIS COLORS #5447 MESA BUFF	REFER TO CIVIL FOR THICKNESS AND REINFORCEMENT	
P-103	CIP CONCRETE PAVING B	7,673 SF	4/L6.01	CIP CONCRETE PAVING	N/A	TOP CAST #5	DAVIS COLORS #5447 MESA BUFF	REFER TO CIVIL FOR THICKNESS AND REINFORCEMENT	
P-105	STABILIZED DECOMPOSED GRANITE PAVING	123 SF	5/L6.01	GAIL MATERIALS OR APPROVED EQUAL	DECOMPOSED GRANITE W/ STABILIZER	COMPACTED	CALIFORNIA GOLD OR APPROVED EQUAL	4"THICKNESS. SET AND COMPACT IN TWO(2) EQUAL LIFTS.	
P-106	CIP CONCRETE STRIP AT BUILDINGS	888 SF	8/L6.01	N/A	CIP CONCRETE	BROOM	NATURAL GRAY		
WALL									
SYMBOL	DESCRIPTION	QTY	DETAIL	MATERIALS	FINISH	COLOR	REMARKS		
W-101	CIP CONCRETE SEAT WALL AT LAWN	218 LF	9/L6.01	CIP INTEGRAL COLOR CONCRETE	TOP CAST #15	DAVIS COLORS #5447 MESA BUFF	HEIGHT VARIES SEE DETAILS		
W-102	CIP CONCRETE SEAT WALL AT PERIMETER	228 LF	10/L6.01	CIP INTEGRAL COLOR CONCRETE	TOP CAST #15	DAVIS COLORS #5447 MESA BUFF	W/ INTEGRALLY CAST SKATE DETERRENTS PER SPECIFICATIONS		



DIVISION OF THE STATE ARCHITECT



A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

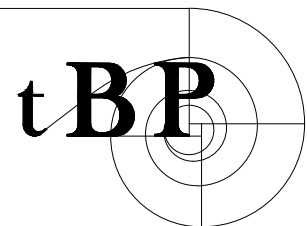
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
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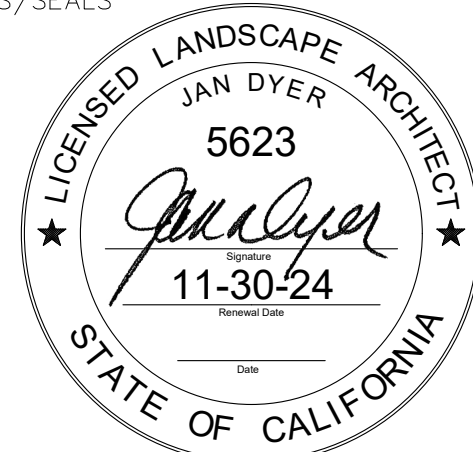
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STAMPS/SEALS



▲

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SHEET TITLE:

CONSTRUCTION
& LAYOUT NOTES
& SCHEDULE

PROJECT NO.: 21011.11

PROJECT ARCH:

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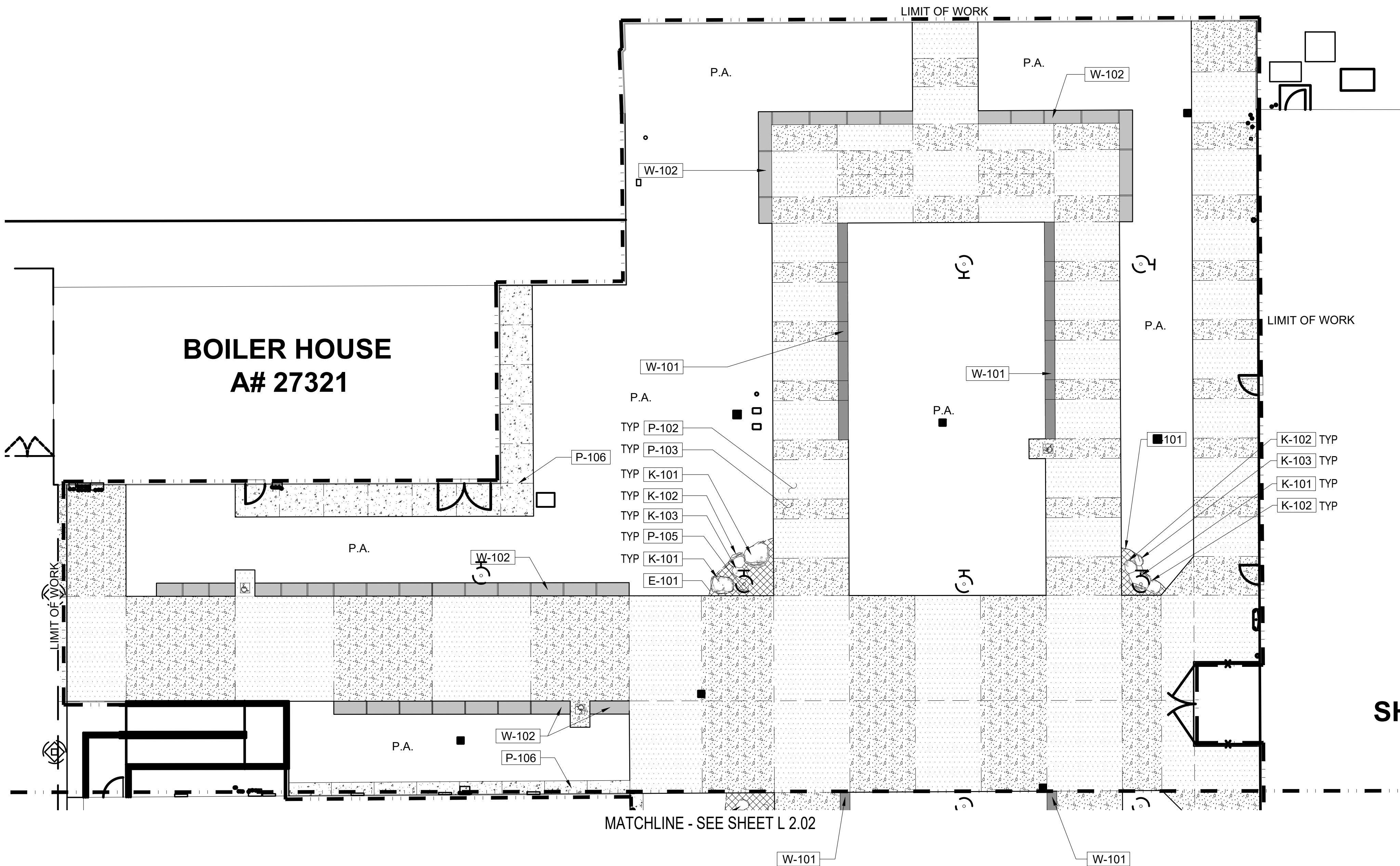
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L2.00

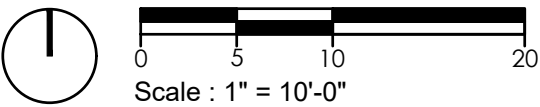
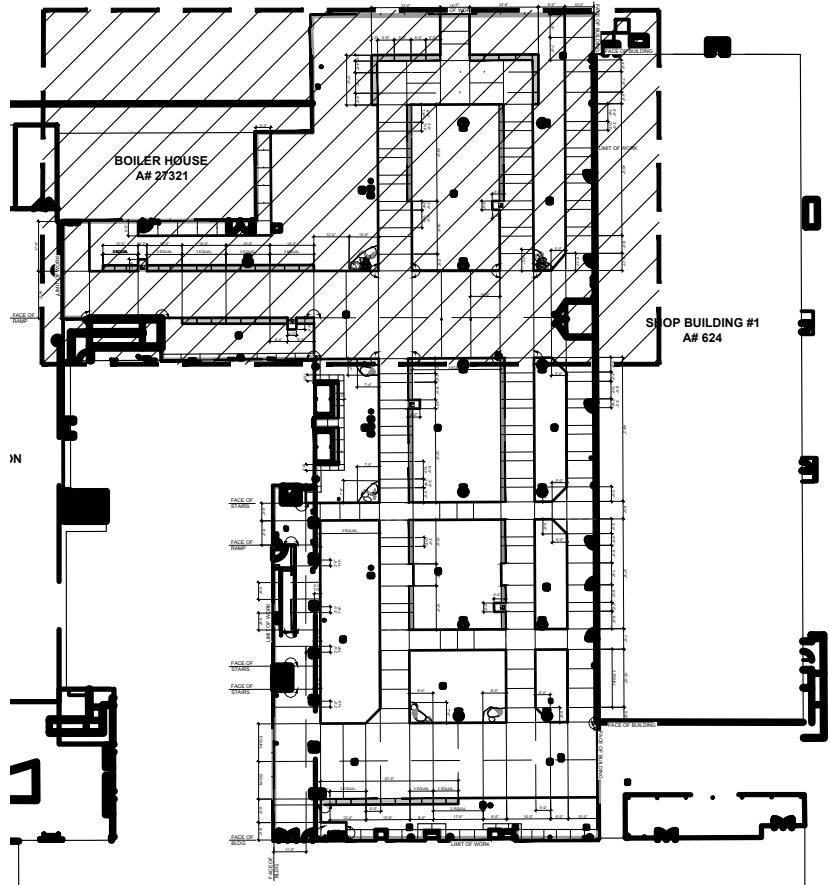
DATE: 07/05/2023

SHEET: OF:



REFERENCE NOTES SCHEDULE	
EDGING	
SYMBOL	DESCRIPTION
E-101	METAL HEADER
ROCK	
SYMBOL	DESCRIPTION
K-101	BOULDER A
K-102	BOULDER B
K-103	BOULDER C
PAVING	
SYMBOL	DESCRIPTION
P-102	CIP CONCRETE PAVING A
P-103	CIP CONCRETE PAVING B
P-105	STABILIZED DECOMPOSED GRANITE PAVING
P-106	CIP CONCRETE STRIP AT BUILDINGS
WALL	
SYMBOL	DESCRIPTION
W-101	CIP CONCRETE SEAT WALL AT LAWN
W-102	CIP CONCRETE SEAT WALL AT PERIMETER

NOTE: SEE L2.00 FOR COMPLETE SCHEDULE

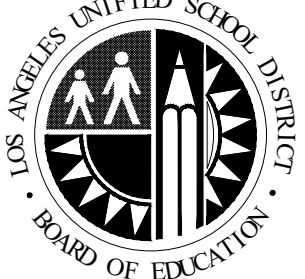


KEY PLAN NTS

DIVISION OF THE STATE ARCHITECT

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DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
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SS ☒ FLS ☒ ACS ☒
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LOS ANGELES UNIFIED
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ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

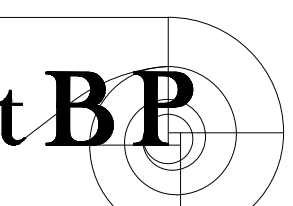
BETHUNE
MIDDLE SCHOOL

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LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



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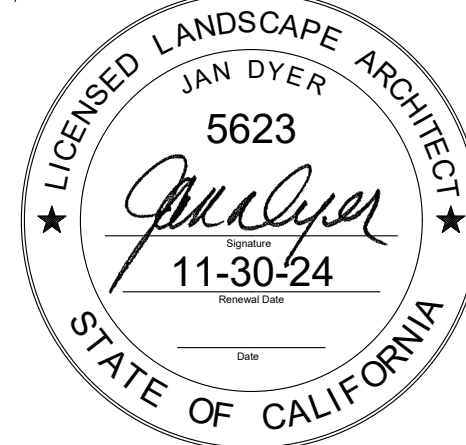
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interiors

CONSULTANT

STUDIO-
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STAMPS/SEALS



SHEET TITLE:

CONSTRUCTION
PLAN

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

SHEET NUMBER

L2.01

DATE: 07/05/2023

SHEET: OF:

MATCHLINE - SEE SHEET L2.01

EXPANSION JOINT -
PAVING

3
L6.01

TYP K-103
TYP K-101
TYP P-105
E-101

P-106
TYP P-102
TYP P-103
E-101

TYP K-101
TYP K-102
TYP K-103

EXPANSION JOINT -
PAVING

3
L6.01

EXPANSION JOINT -
PAVING

3
L6.01

LIMIT OF WORK

LIMIT OF WORK

REFERENCE NOTES SCHEDULE

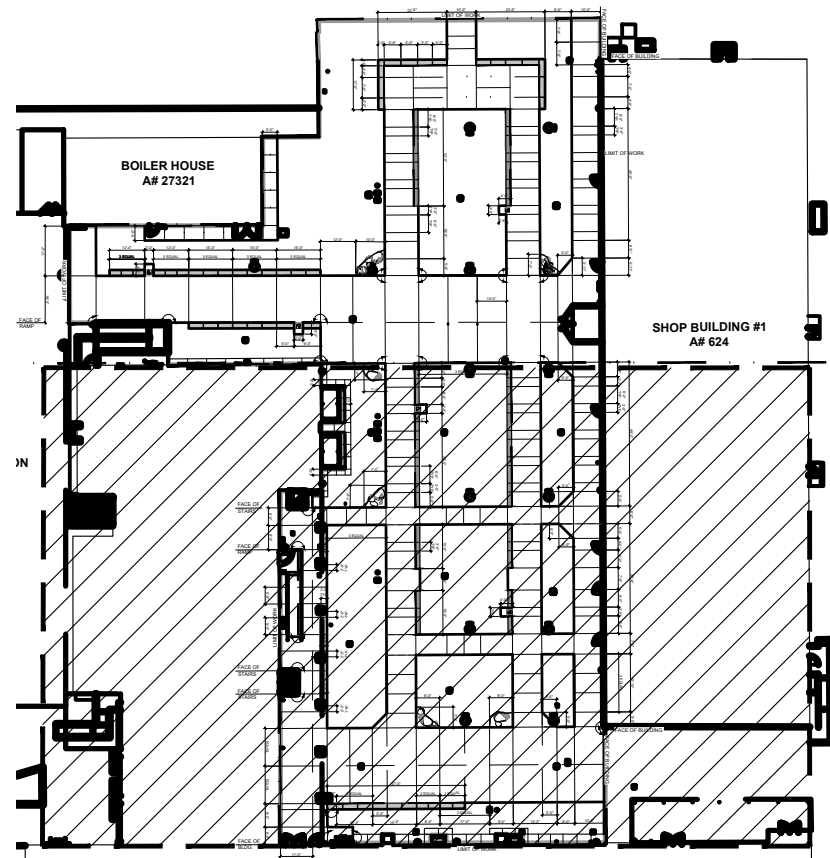
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SYMBOL	DESCRIPTION
E-101	METAL HEADER
ROCK	
SYMBOL	DESCRIPTION
K-101	BOULDER A
K-102	BOULDER B
K-103	BOULDER C
PAVING	
SYMBOL	DESCRIPTION
P-102	CIP CONCRETE PAVING A
P-103	CIP CONCRETE PAVING B
P-105	STABILIZED DECOMPOSED GRANITE PAVING
P-106	CIP CONCRETE STRIP AT BUILDINGS
WALL	
SYMBOL	DESCRIPTION
W-101	CIP CONCRETE SEAT WALL AT LAWN
W-102	CIP CONCRETE SEAT WALL AT PERIMETER

NOTE: SEE L2.00 FOR COMPLETE SCHEDULE

2
L6.01 CONSTRUCTION JOINT

1
L6.01 CONTRACTION/CONTROL
JOINT - SAWCUT

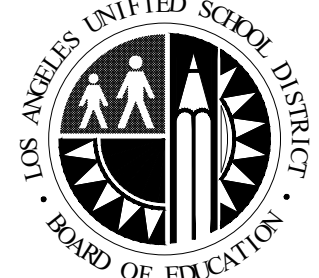
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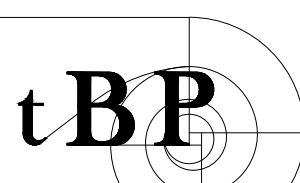
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

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COLIN NO: 10370081

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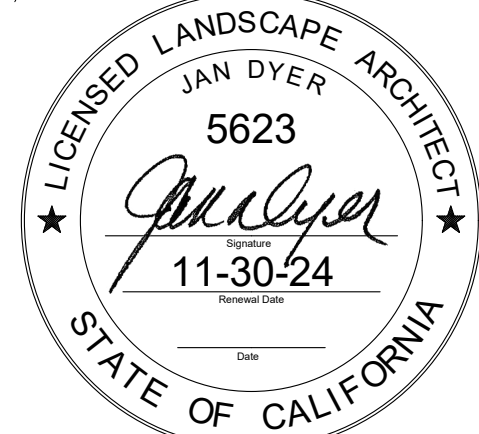
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planning
interiors

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SHEET TITLE:

CONSTRUCTION PLAN

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

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SHEET NUMBER

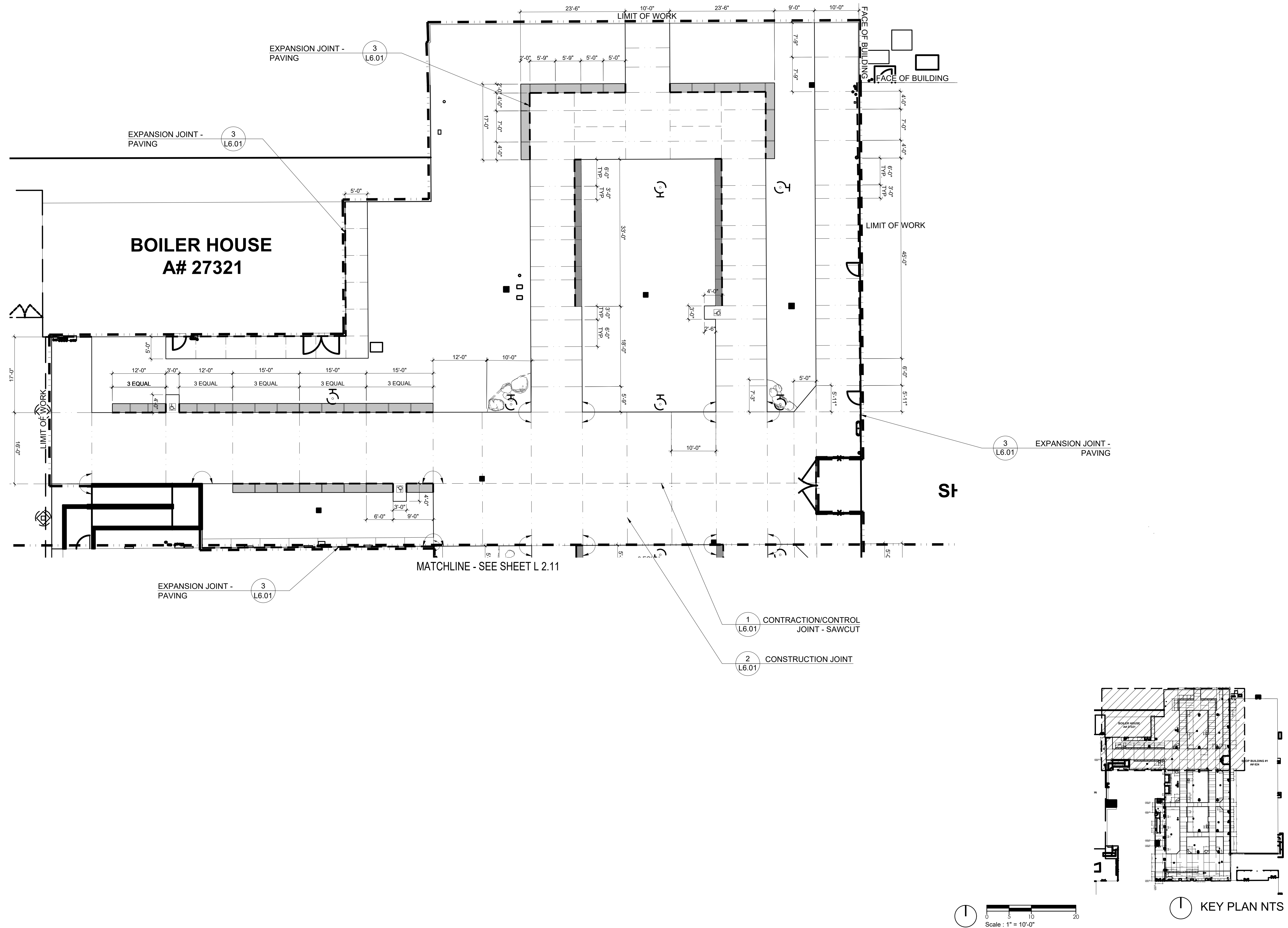
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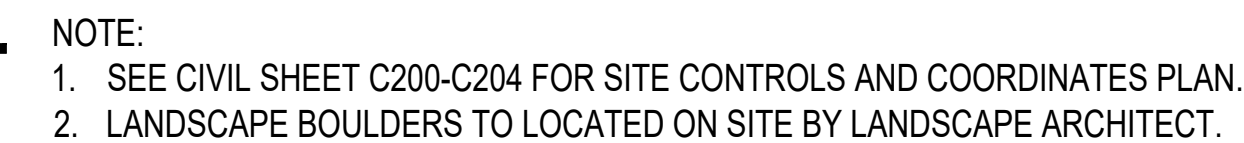
DATE: 07/05/2023

SHEET: OF:


NOTE:

1. SEE CIVIL SHEET C200-C204 FOR SITE CONTROLS AND COORDINATES PLAN.
2. LANDSCAPE BOULDERS TO LOCATED ON SITE BY LANDSCAPE ARCHITECT.





Scale : 1" = 10'-0"



**ASSET MANAGEMENT
FACILITIES SERVICES DIVISION**
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

COLIN NO: 10370081

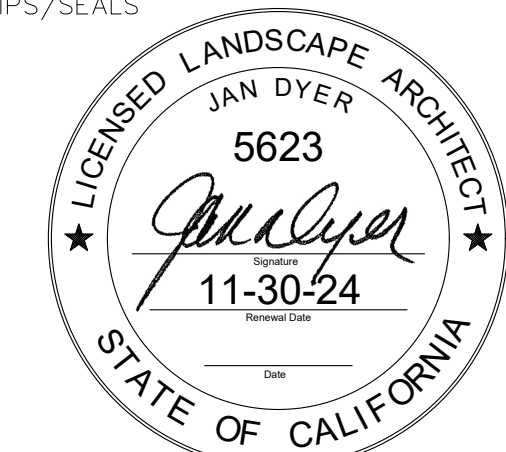
COMMISSIONED ARCHITECT



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STAMPS/SEALS



SHEET TITLE:

LAYOUT PLAN

PROJECT NO.: 21011 11

PROJECT ARCH:

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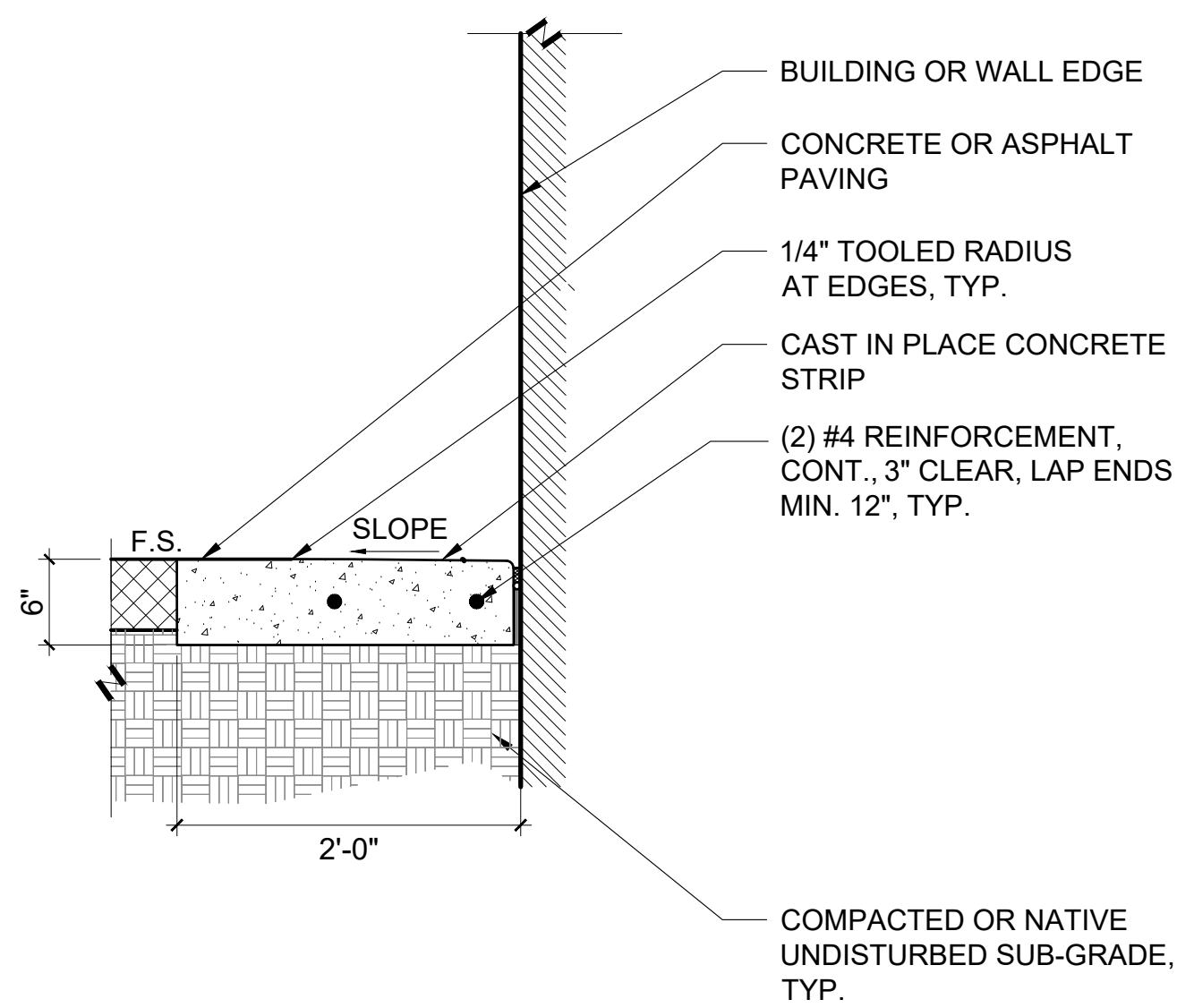
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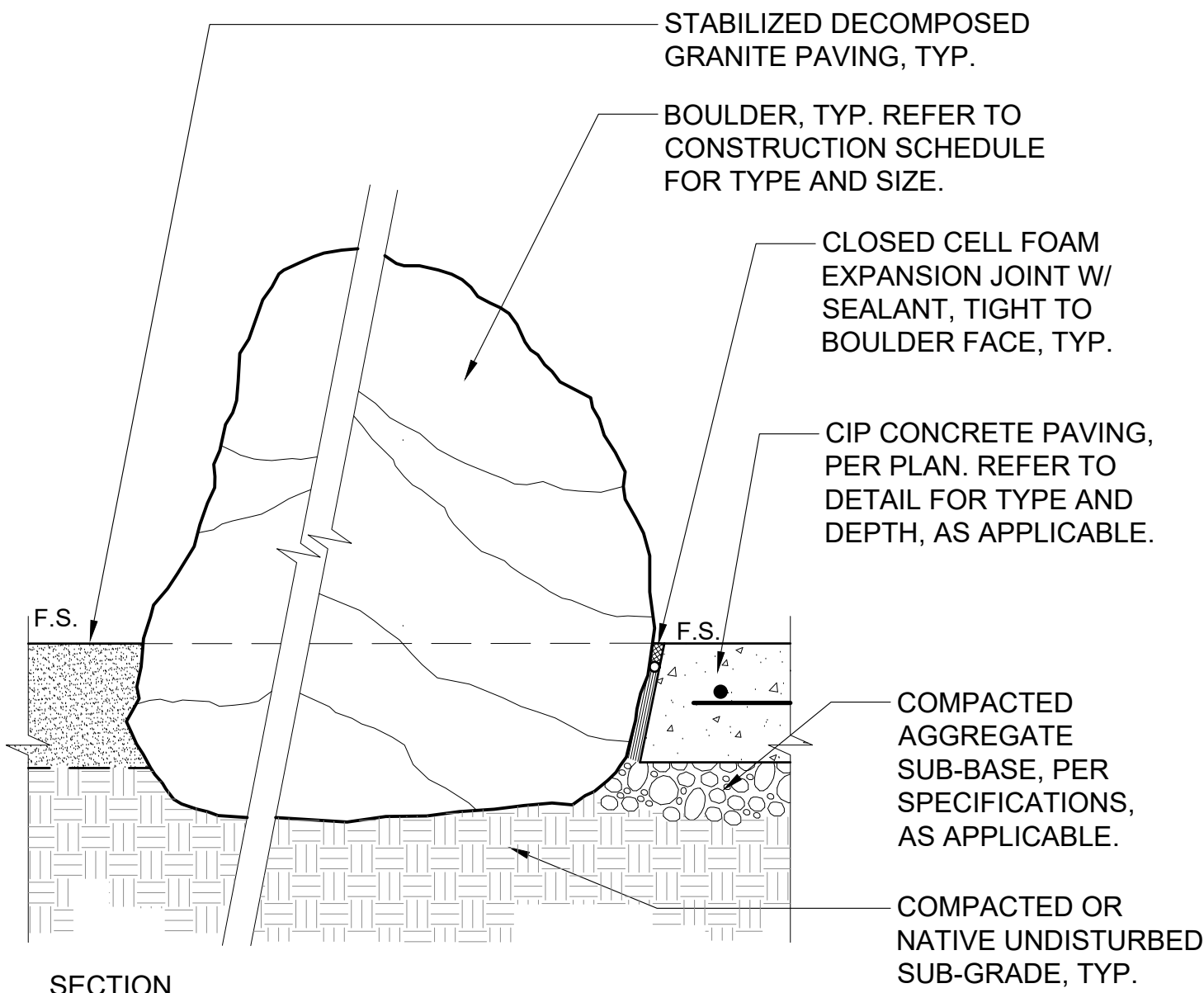
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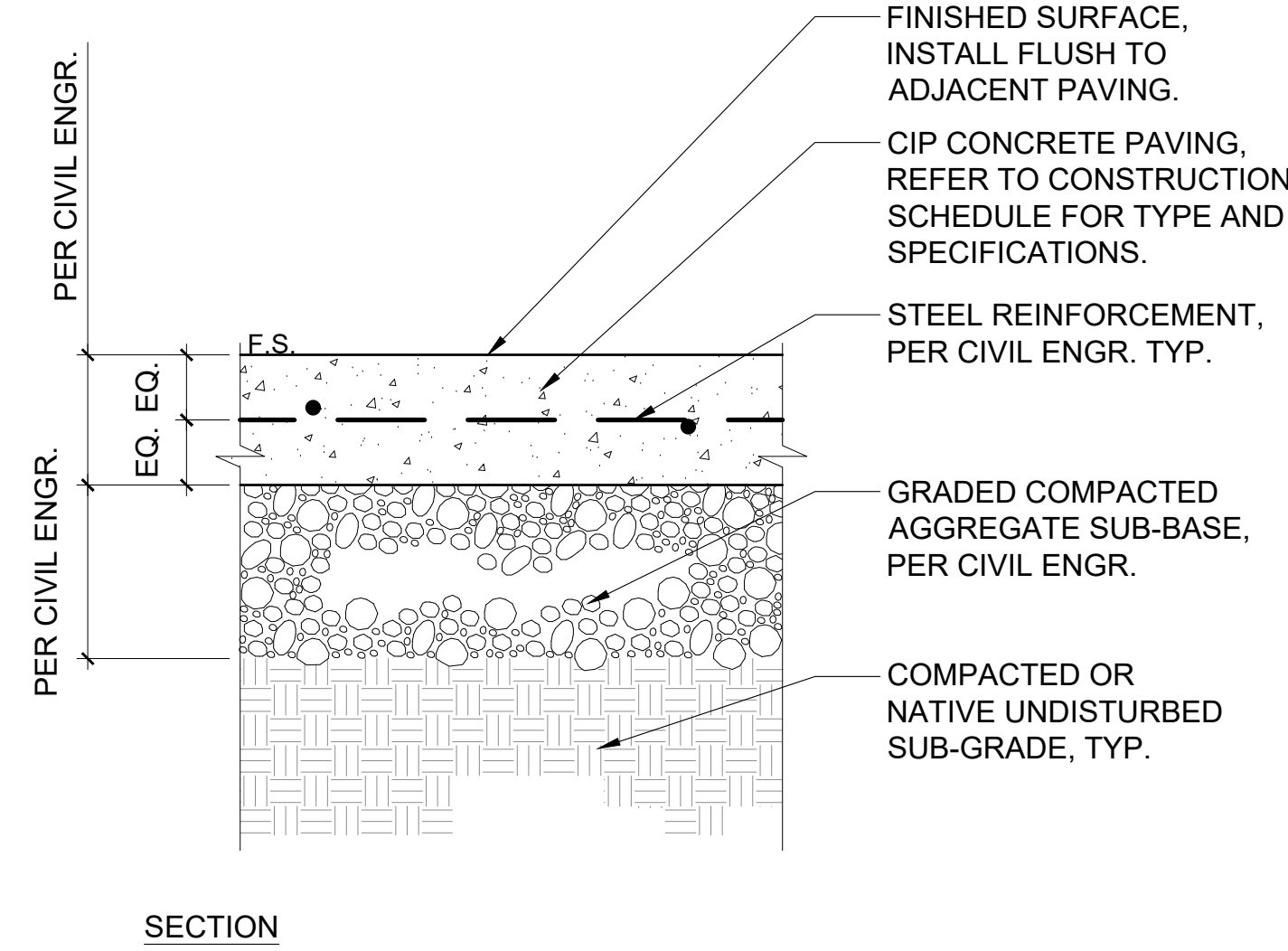
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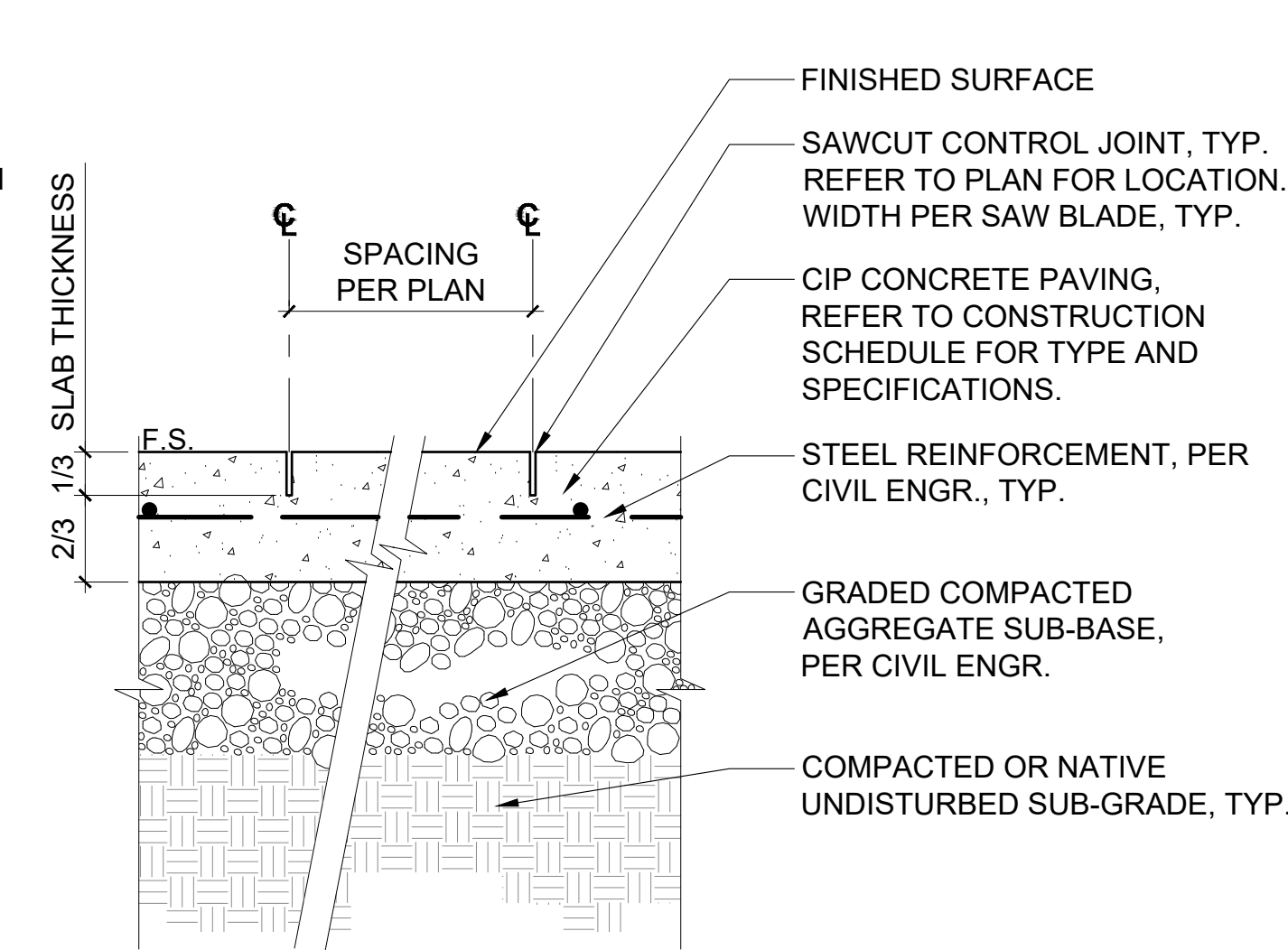
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8 CIP CONCRETE STRIP AT BUILDINGS
1" = 1'-0" P-BET-321613-02



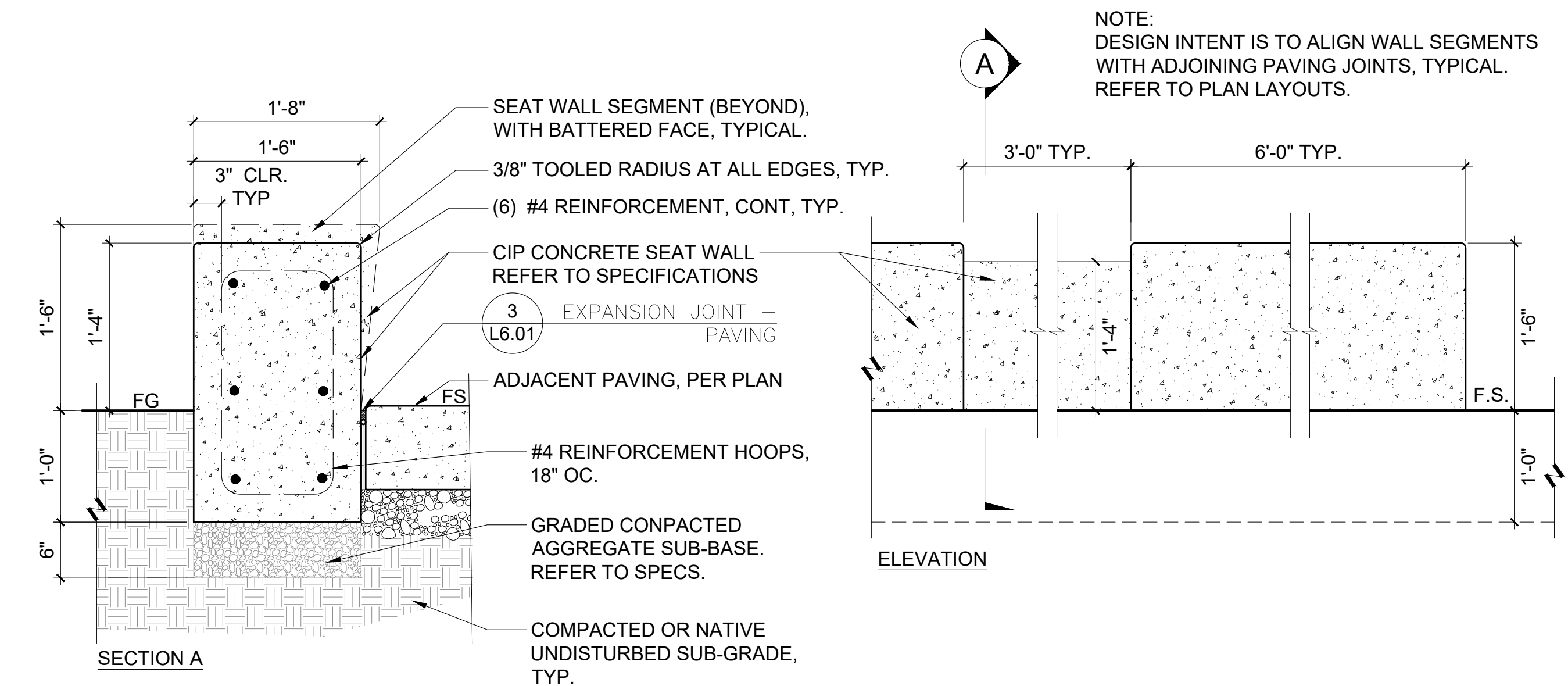
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7 BOULDER
N.T.S. P-BET-323317-01



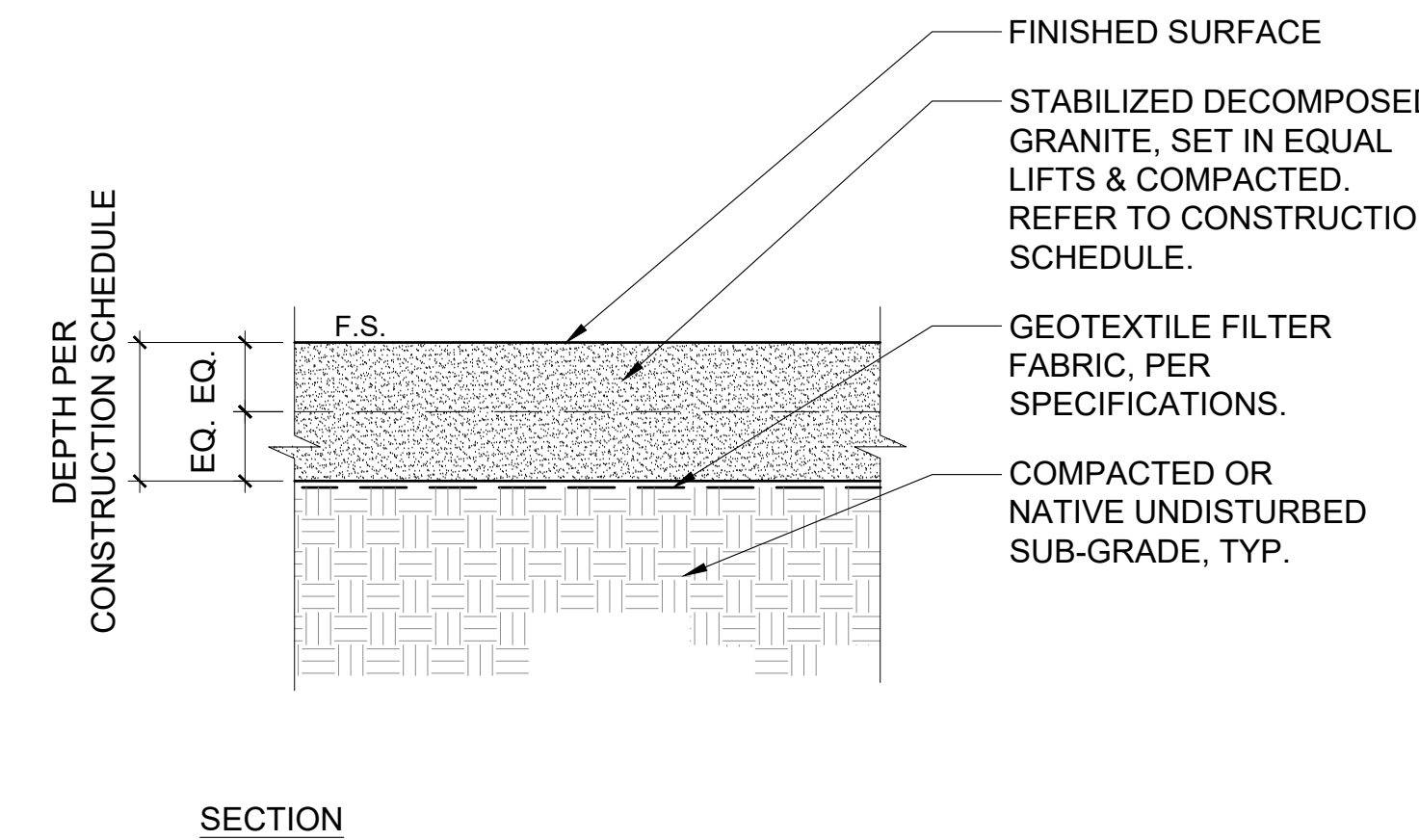
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4 CIP CONCRETE PAVING
N.T.S. P-BET-321313-02



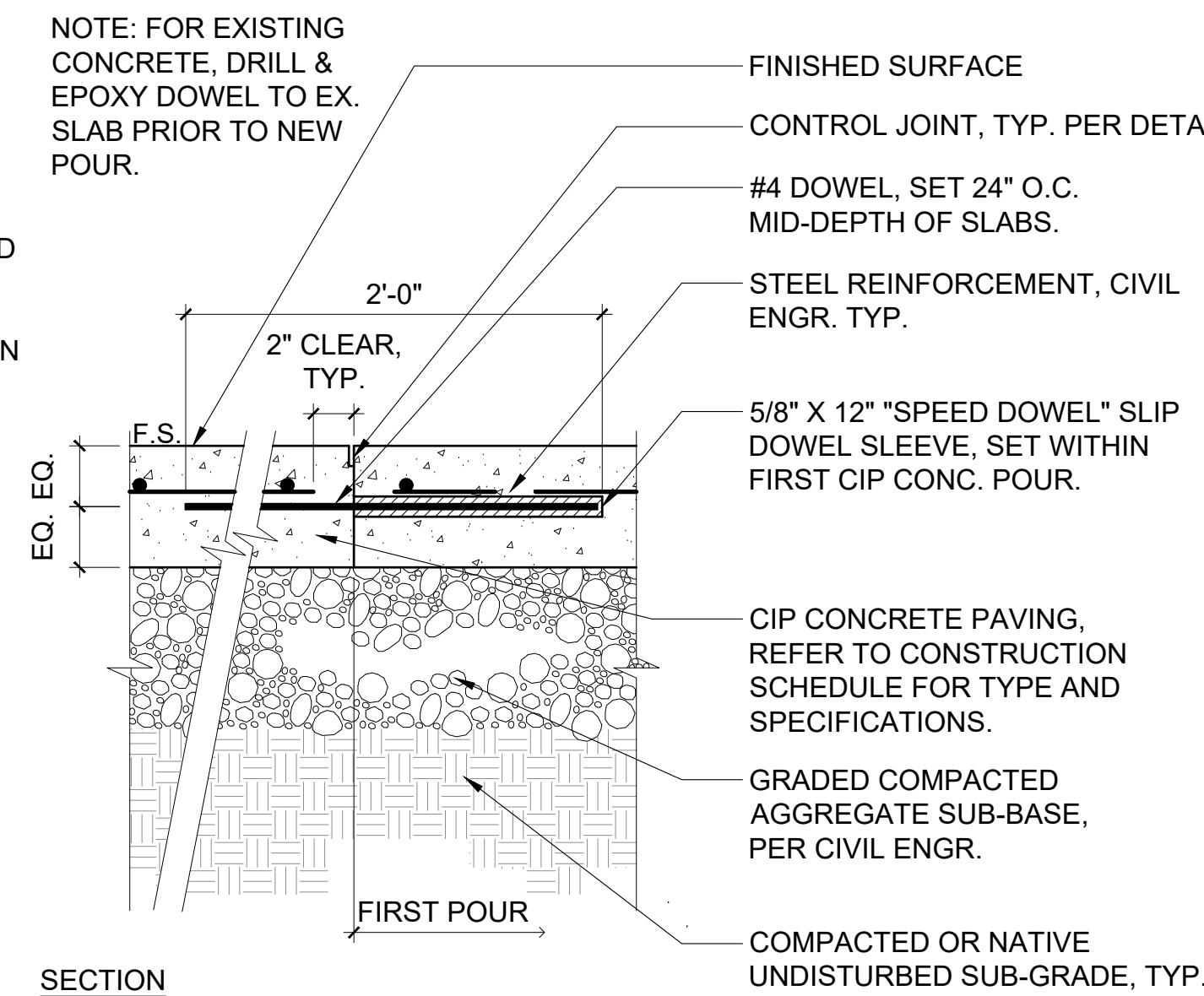
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1 CONTRACTION/CONTROL JOINT - SAWCUT
N.T.S. P-BET-321313-07



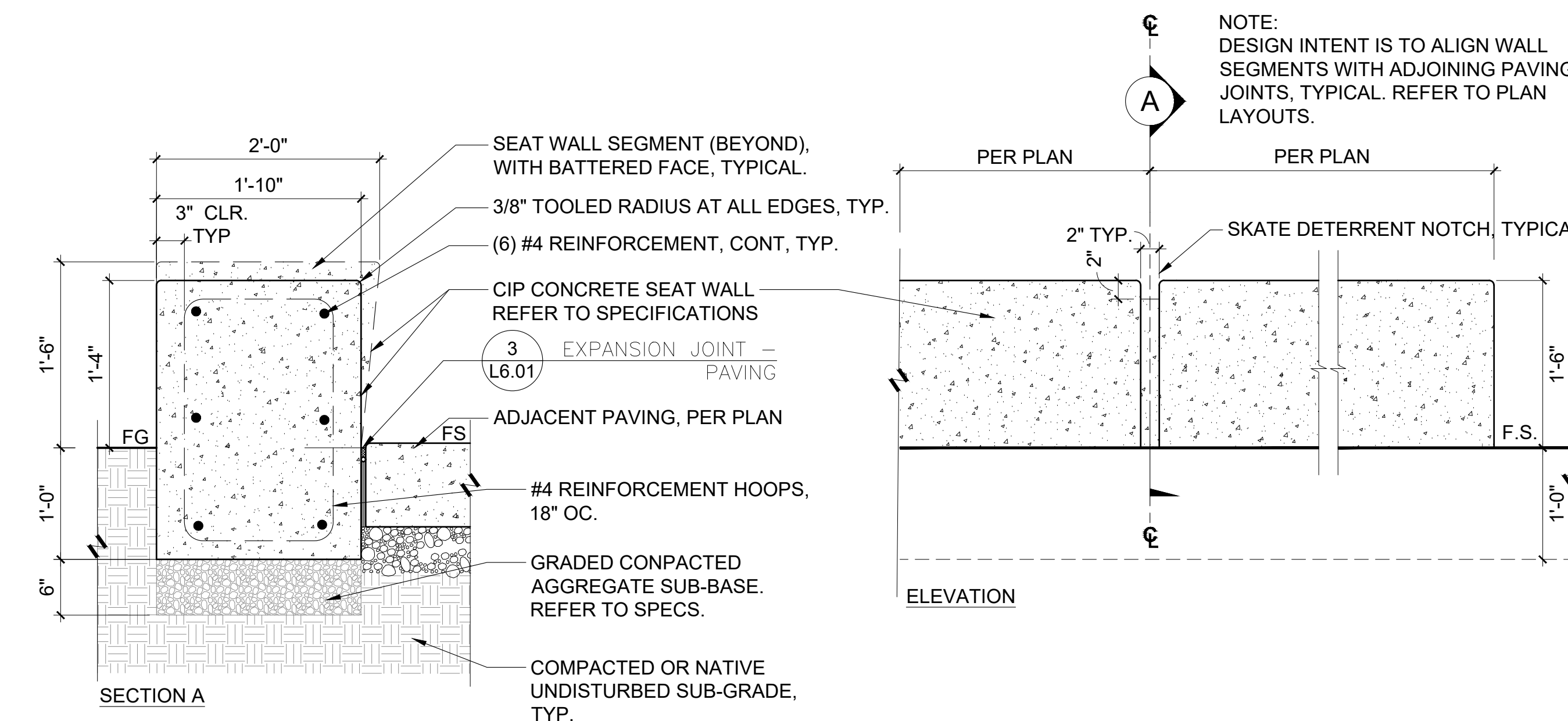
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9 CIP CONCRETE SEAT WALL AT LAWN
1" = 1'-0" P-BET-08



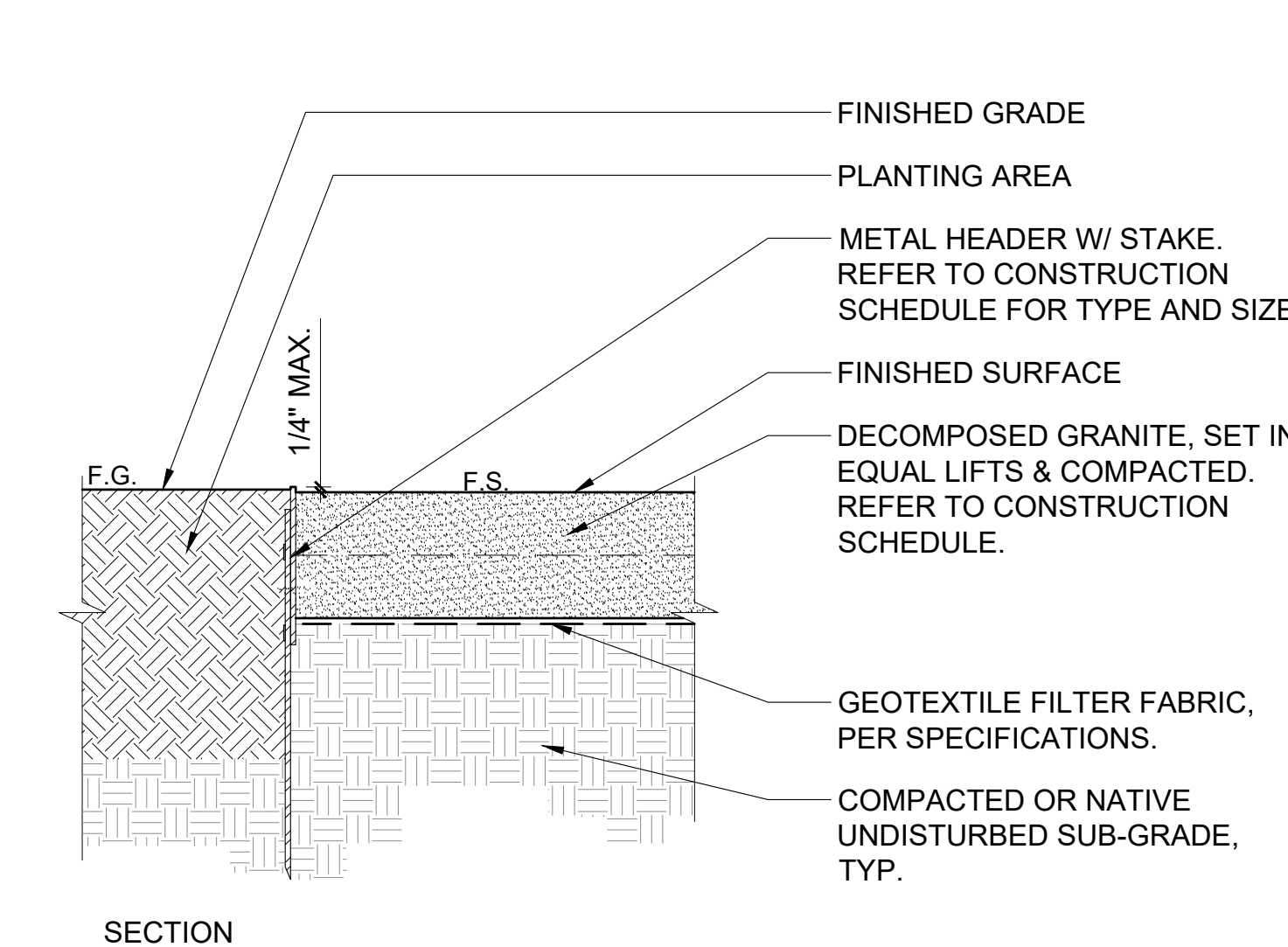
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5 STABILIZED DECOMPOSED GRANITE PAVING
N.T.S. P-BET-321516-01



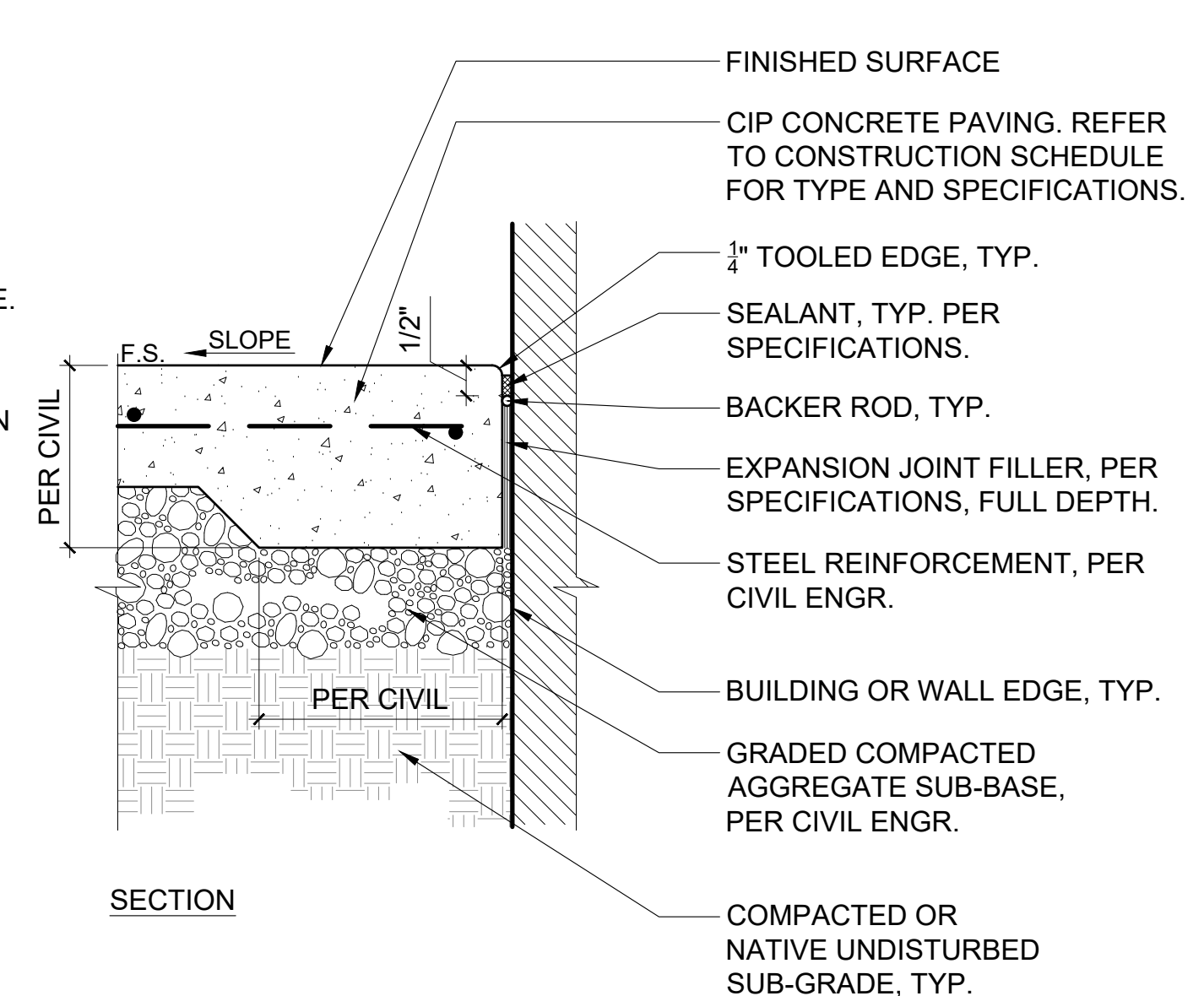
SECTION
2 CONSTRUCTION JOINT
N.T.S. P-BET-321313-03



SECTION
10 CIP CONCRETE SEAT WALL AT PERIMETER
1" = 1'-0" P-BET-033373-01



SECTION
6 METAL HEADER @ STABILIZED DECOMPOSED GRANITE
N.T.S. P-BET-329413-22



SECTION
3 EXPANSION JOINT - PAVING
N.T.S. P-BET-321313-04

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET

LOS ANGELES, CA 90003

COMMISSIONED ARCHITECT

tBP

Architecture

4611 Teller Avenue

Newport Beach, CA 92660

ph: 949.673.0300 fx: 949.732.3895

CONSULTANT

STUDIO-MLA

251 South Mission Road

Los Angeles, California 90033

T. 213.384.3844 studio-mla.com

STAMPS/SEALS

LICENSED LANDSCAPE ARCHITECT

JAN DYER

5623

11-30-24

STATE OF CALIFORNIA

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

SHEET NUMBER

CONSTRUCTION DETAILS

L6.01

DATE: 07/05/2023

SHEET: 07

OF: 07

IRRIGATION NOTES

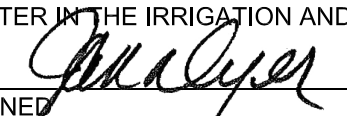
- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE BEGINNING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE COMMENCING WORK.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- IRRIGATION AS SHOWN IS A REPRESENTATIVE SYSTEM DIAGRAM. ALL EQUIPMENT SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
- INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH APPLICABLE JURISDICTIONAL REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE IRRIGATION LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
- CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. IT IS RECOMMENDED TO MEASURE FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.
- THESE PLANS ARE DIAGRAMMATIC. THE MAINLINE AND RELATED IRRIGATION EQUIPMENT IS SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES, TYPICAL. TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY; THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.
- CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO IRRIGATION HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
- CONTRACTOR SHALL PROVIDE AN ADDITIONAL PILOT WIRE FROM EACH CONTROLLER ALONG THE ENTIRETY OF THE MAINLINE ROUTE TO THE LAST REMOTE CONTROL VALVE ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRE AT BOTH ENDS.
- MAINLINE AND LATERAL LINE PIPING WITHIN BUILDINGS OR STRUCTURES SHALL BE TYPE K COPPER AND IS SHOWN FOR CLARITY ONLY; ACTUAL DESIGN AND ROUTING SHALL BE COMPLETED BY THE PLUMBING ENGINEER AND INSTALLED BY THE PLUMBING CONTRACTOR. EACH STUB-OUT WITHIN EACH PLANTER SHALL HAVE A COPPER FEMALE ADAPTER FOR THE LANDSCAPE CONTRACTOR CONNECTION. ALL PIPING THROUGH BUILDING TO EXTERIOR AND THROUGH BUILDING TO UPPER FLOOR SHALL BE PROVIDED BY PLUMBER.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT A SCALED SHOP DRAWING INDICATING THE PROPOSED LOCATIONS FOR THE IRRIGATION EQUIPMENT LISTED. SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE THE PROPOSED LOCATIONS FOR THE FOLLOWING ITEMS:
 - POINT OF CONNECTION (INCLUDING WATER POC, BACK FLOW DEVICES, MASTER CONTROL VALVES, FLOW SENSORS, ETC.).
 - ISOLATION VALVES.
 - AUTOMATIC CONTROL VALVES (INDICATE STATION NUMBER).
 - QUICK COUPLING VALVES.
 - IRRIGATION CONTROLLER(S).
 - RELATED EQUIPMENT (AS MAY BE DIRECTED).
- EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE ITS PROPOSED INSTALLED LOCATION SHOWN ON THE SHOP DRAWINGS. THE SYMBOL FOR EACH PRODUCT SHALL BE A SCALED REPRESENTATION OF THE FOOTPRINT OF THE EQUIPMENT OR THE VALVE BOX IN WHICH THE EQUIPMENT IS INSTALLED. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE THE SHOP DRAWING LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE. ANY IRRIGATION EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL WITH SHOP DRAWINGS WILL BE SUBJECT TO RELOCATION BASED ON DIRECTION BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.
- ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN, AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED ACCORDINGLY TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES, HARDSCAPE, ETC. THIS INCLUDES BUT IS NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS, AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
- THE PREPARATION OF IRRIGATION SYSTEM AS-BUILT DRAWINGS ARE A CONDITION OF THE CONTRACT. THESE DOCUMENTS SERVE AS WORK PROGRESS SHEETS; CONTRACTOR SHALL PROVIDE DAILY UPDATES TO THESE PLANS BY NEATLY AND LEGIBLY NOTATING CHANGES FROM THE CONTRACT DRAWINGS ON THE LOCATION(S), SIZE(S) AND/OR TYPES OF MATERIALS OR EQUIPMENT AS INSTALLATION OCCURS. ANY GRAPHIC CHANGES SHOULD MATCH THE SYMBOL NOMENCLATURE AS ILLUSTRATED WITHIN THE CONTRACT DRAWINGS. AS-BUILTS SHALL BE AVAILABLE AT ALL TIMES FOR REVIEW BY THE OWNER'S AUTHORIZED REPRESENTATIVE OR LANDSCAPE ARCHITECT.

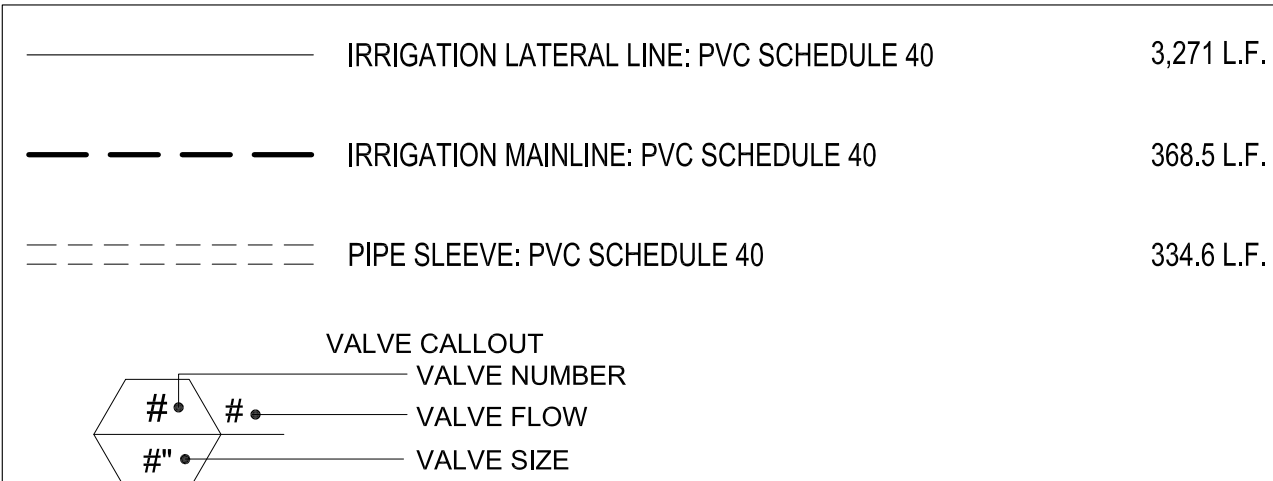
EXISTING IRRIGATION NOTES

- CONTRACTOR SHALL MAINTAIN EXISTING MAINLINES IN WORKING ORDER. COORDINATE ALL INTERRUPTIONS OF OPERATION OF THE EXISTING IRRIGATION TO A MINIMUM. COORDINATE ALL INTERRUPTIONS WITH THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION AND IF DAMAGED, SHALL REPLACE WITH SAME MANUFACTURER AND MODEL.
- ANY EXISTING IRRIGATION CONTROL VALVES CONNECTED TO EXISTING CONTROLLER SHALL BE RECONNECTED TO EXISTING CONTROLLER. CONFIRM PROPER CONTROLLER OPERATION AND INSTALLATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK AND UPON COMPLETION OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/MODIFICATION/REROUTING OF ALL ADJACENT IRRIGATION SYSTEM EQUIPMENT THAT IS AFFECTED BY NEW CONSTRUCTION IMPROVEMENTS. CONTRACTOR SHALL REPAIR SAID SYSTEMS TO A LIKE NEW MANNER, PROVIDING NO LESS THAN 100% OF HEAD RADIUS COVERAGE IN ALL AREAS WITH SYSTEM LAYOUT AS APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR TO CONFIRM ALL AREAS REQUIRING MODIFICATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISPOSAL OF ALL EXISTING IRRIGATION EQUIPMENT AFFECTED BY THE NEW CONSTRUCTION IMPROVEMENTS, IF NECESSARY. CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE REMOVED AND DISPOSED OF IN FIELD PRIOR TO STARTING WORK.
- CONTRACTOR IS SUGGESTED TO FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO STARTING WORK. VERIFICATION SHALL BE DOCUMENTED AND DELIVERED TO OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING TREE WILL BE ALLOWED. AIR SPADE SHALL BE UTILIZED FOR ALL TRENCHING WITHIN THE DRIPLINE OF TREES. CONTRACTOR SHALL REFER TO ARBORIST REPORT FOR ADDITIONAL PRECAUTIONS REQUIRED FOR THE EXISTING TREES. CONTRACTOR SHALL VERIFY ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE.



















WATER EFFICIENT LANDSCAPE WORKSHEET									
Landscape Area (LA)		Reference Evapotranspiration (Ea)		Conversion Factor (No. Gallons/Gal)		Evapotranspiration Adjustment Factor (Ea/F)			
Regular	9689.00	Reference Site	Eto						
Special	5022.00	Los Angeles	50.1						
TOTAL	14,620.00								
Estimated Applied Water Use (EAWU):									
REGULAR LANDSCAPE AREAS									
Hydrozone No.	Hydrozone Description	Hydrozone Area (F ²)	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	(ETAF x Area)	Estimated Total Water Use (Gallons)	
H-1	East Shrubs	2,185	0.2	Spray	0.75	0.27	597.35	17,424.15	
H-2	West Shrubs	5,875	0.2	Spray	0.75	0.27	1,632.50	56,389.45	
H-3	East Trees	220	0.2	Bubbler	0.81	0.25	54.32	1,987.32	
H-4	West Trees	260	0.2	Bubbler	0.81	0.25	64.20	1,994.10	
H-5	Lawn Trees	40	0.2	Bubbler	0.81	0.25	10.75	613.57	
	Total Area	9,589			TOTALS	9,589	2,548.40	79,158.55	
SPECIAL LANDSCAPE AREAS - IRRIGATED BY POTABLE WATER									
Hydrozone No.	Hydrozone Description	Hydrozone Area (F ²)	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	(ETAF x Area)	Estimated Total Water Use (ETWU)	
H-6	Recreational Turf	5,022				5,022.00	5,022.00	155,963.36	
	Total Area	5,022			TOTALS	5,022	5,022.00	155,963.36	
ETAF Calculations									
Regular Landscape Areas		Average ETAF		ETAF Calculations		235,162		GALLONS	
All Landscape Areas		Sitedwide ETAF		MAXIMUM ALLOW WATER ALLOWANCE (MAWA)		249,384		GALLONS	
Sitedwide ETAF		0.92							

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION AND PLANTING DESIGN PLAN"

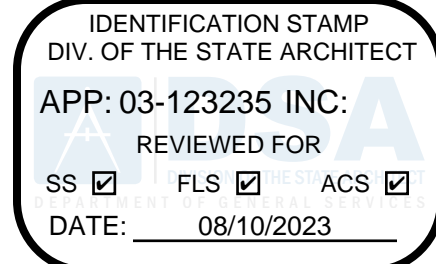
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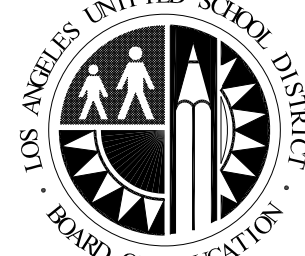
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	ARC	PSI	GPM	RADIUS	DETAIL
	HUNTER MP2000 PROS-06-PRS40-CV K TURF ROTATOR, 6IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	32	90-210	40		19'	5/L7.03
	HUNTER MP2000 PROS-06-PRS40-CV R TURF ROTATOR, 6IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	6	360	40	1.48	19'	5/L7.03
	HUNTER MP STRIP PROS-12-PRS40-CV LST SHRUB ROTATOR, 12IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY.	5	LCS	40	0.22	5x15'	5/L7.03
	HUNTER MP STRIP PROS-12-PRS40-CV RST SHRUB ROTATOR, 12IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY.	2	RCS	40	0.22	5x15'	5/L7.03
	HUNTER MP1000 PROS-12-PRS40-CV L SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS40 BODY.	4	210-270	40		14'	5/L7.03
	HUNTER MP1000 PROS-12-PRS40-CV M SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS40 BODY.	100	90-210	40		14'	5/L7.03
	HUNTER MP2000 PROS-12-PRS40-CV K SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON PRS40 BODY.	23	90-210	40		19'	5/L7.03
	HUNTER MP2000 PROS-12-PRS40-CV R SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON PRS40 BODY.	2	360	40	1.48	19'	5/L7.03
	HUNTER MP800SR PROS-12-PRS40-CV ADJ SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. ADJ=ORANGE AND GRAY (ARC 90-210), 360=LIME GREEN AND GRAY (ARC 360)	15	ADJ	40		10'	5/L7.03
	RAIN BIRD RWS-B-C W/ RWS-SOCK 1402 ROOT WATERING SYSTEM WITH 4IN. DIAMETER X 36IN. LONG WITH LOCKING GRATE. SEMI-RIGID MESH TUBE. CHECK VALVE AND SAND SOCK. RAIN BIRD BUBBLER OPTION AS INDICATED: 1401 0.25 GPM, 1402 0.5 GPM, 1404 1.0 GPM, 1408 2 GPM.	50	360	35	0.5	3'	6/L7.03
	RAIN BIRD EFB-CP-PRS-D 1IN., 1-1/2IN., 2IN. BRASS REMOTE CONTROL VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN, GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	8					2/L7.03
	HUNTER HQ-44LRC-AW QUICK COUPLER VALVE, YELLOW RUBBER LOCKING COVER, RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 2-PIECE BODY. ACME KEY WITH ANTI-ROTATION WINGS.	5					3/L7.03
	MATCO-NORCA 759 BRASS SHUT OFF BALL VALVE, 1/2" TO 4". TWO PIECE BODY, BLOW-OUT PROOF STEM, CHROME PLATED SOLID BRASS BALL, THREADED, WITH PTFE SEATS. SAME SIZE AS MAINLINE PIPE.	2					4/L7.03
	RAIN BIRD ESP-LXD-LXMPMPD 50 STATION, 2-WIRE DECODER BASED CONTROLLER IN POWDER COATED METAL CABINET W/ PEDESTAL. (1) ESP-LXD 50-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE, INSTALL IN RAIN BIRD LXMM-LXMPMPD POWDER COATED METAL CABINET W/ PEDESTAL. SYSTEM REQUIREMENTS: RAIN BIRD FD-XXX-TURF FIELD DECODERS, PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LSP-1TURF LINE SURGE PROTECTORS IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1					1/L7.03
	RAIN BIRD IQ4G-USA IQ NCC 4G CELLULAR CARTRIDGE UPGRADES ESP-LX SERIES CONTROLLERS TO IQ SATELLITE, FOR COMMUNICATION WITH IQ CENTRAL CONTROL. INCLUDE IQEXTANT4G EXTERNAL ANTENNA FOR METAL OR STAINLESS STEEL CABINET/PEDESTAL. USED FOR DIRECT OR SERVER SATELLITE APPLICATIONS.	1					1/L7.03
	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.	1					9/L7.03
	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.	1					
	POINT OF CONNECTION 3" EX. MAINLINE	1					

DIVISION OF THE STATE ARCHITECT



A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

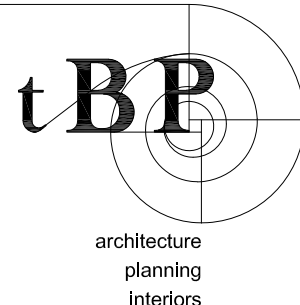
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

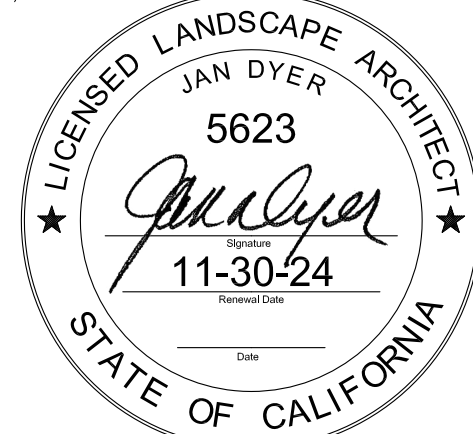


tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

CONSULTANT



STAMPS/SEALS



SHEET TITLE:

IRRIGATION NOTES & SCHEDULE

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

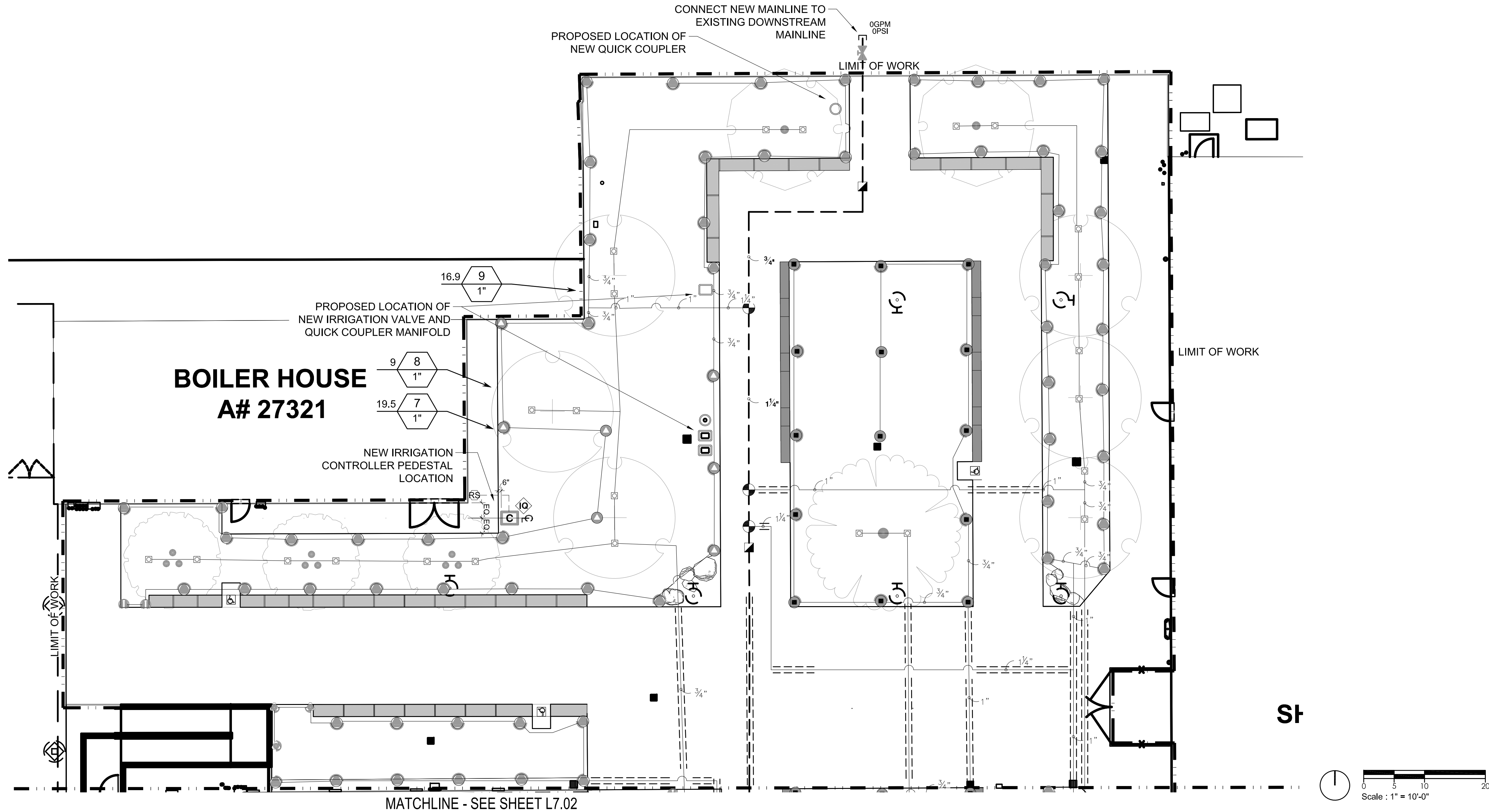
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DATE: 07/05/2023

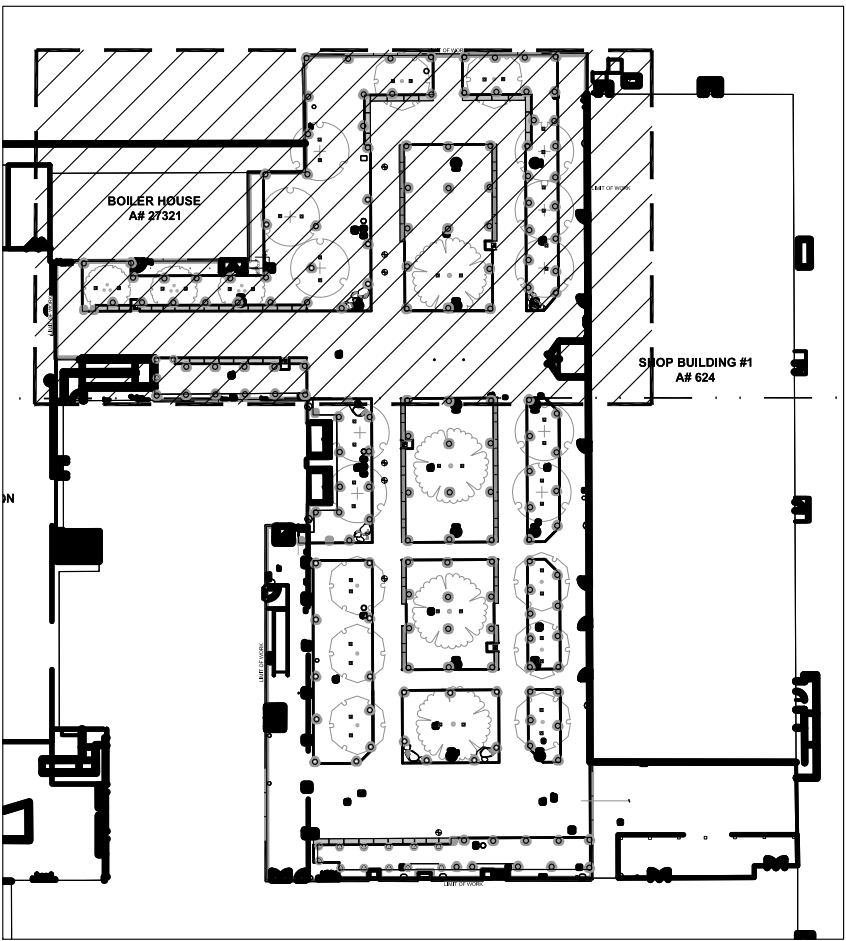
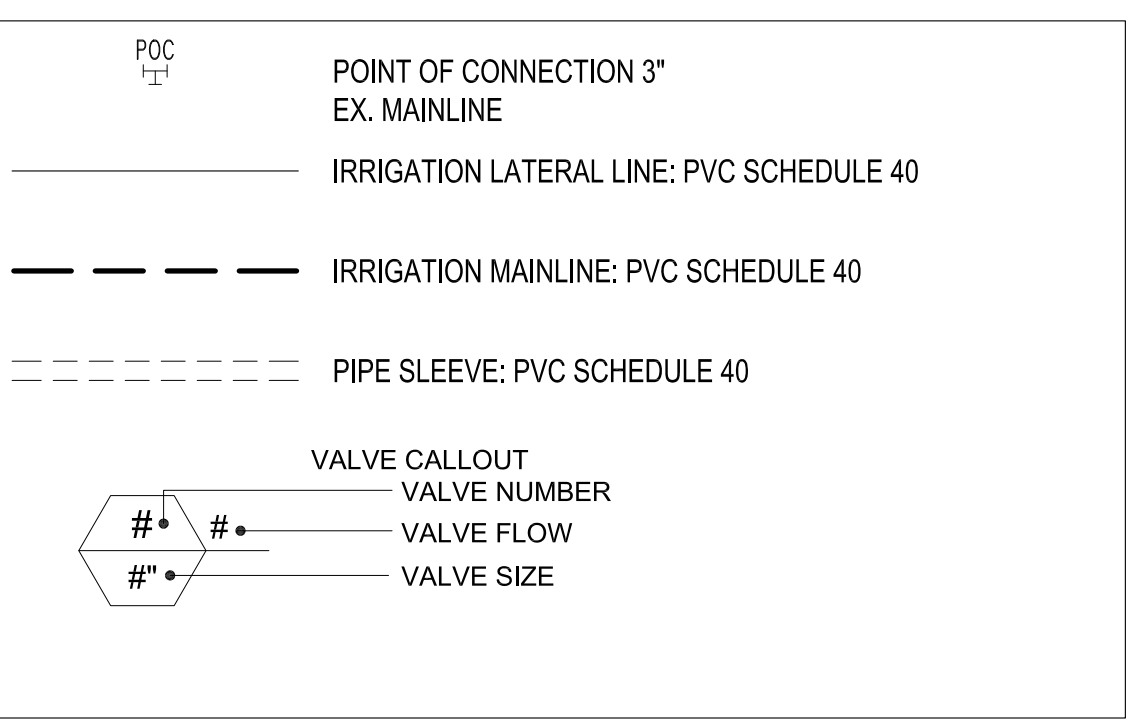
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IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER MP2000 PROS-06-PRS40-CV K TURF ROTATOR, 6IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON PRS40 BODY.		HUNTER MP2000 PROS-12-PRS40-CV R SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON PRS40 BODY.
	HUNTER MP2000 PROS-06-PRS40-CV R TURF ROTATOR, 6IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.		HUNTER MP800SR PROS-12-PRS40-CV ADJ SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. ADJ=ORANGE AND GRAY (ARC 90-210), 360=LIME GREEN AND GRAY (ARC 360)
	HUNTER MP STRIP PROS-12-PRS40-CV LST SHRUB ROTATOR, 12IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY.		RAIN BIRD RWS-B-C W/ RWS-SOCK 1402 ROOT WATERING SYSTEM WITH 4IN. DIAMETER X 36IN. LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE. CHECK VALVE AND SAND SOCK. RAIN BIRD BUBBLER OPTION AS INDICATED: 1401 0.25 GPM, 1402 0.5 GPM, 1404 1.0 GPM, 1408 2 GPM.
	HUNTER MP STRIP PROS-12-PRS40-CV RST SHRUB ROTATOR, 12IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY.		RAIN BIRD EFB-CP-PRS-D 11N. 1-1/2IN., 2IN. BRASS REMOTE CONTROL VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.
	HUNTER MP1000 PROS-12-PRS40-CV L SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS40 BODY.		HUNTER HQ-44LRC-AW QUICK COUPLER VALVE, YELLOW RUBBER LOCKING COVER, RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 2-PIECE BODY. .ACME KEY WITH ANTI-ROTATION WINGS.
	HUNTER MP1000 PROS-12-PRS40-CV M SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS40 BODY.		MATCO-NORCA 759 BRASS SHUT OFF BALL VALVE, 1/2" TO 4". TWO PIECE BODY, BLOW-OUT PROOF STEM, CHROME PLATED SOLID BRASS BALL, THREADED, WITH PTFE SEATS. SAME SIZE AS MAINLINE PIPE.
			RAIN BIRD ESP-LXD-LXMPED 50 STATION, 2-WIRE DECODER BASED CONTROLLER IN POWDER COATED METAL CABINET W/ PEDESTAL. (1) ESP-LXD 50-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE. INSTALL IN RAIN BIRD LXMM-LXMPED POWDER COATED METAL CABINET W/ PEDESTAL. SYSTEM REQUIREMENTS: RAIN BIRD FD-XXX-TURF FIELD DECODERS, PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LSP-1TURF LINE SURGE PROTECTORS IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
			RAIN BIRD IQ4G-USA IQ NCC 4G CELLULAR CARTRIDGE UPGRADES ESP-LX SERIES CONTROLLERS TO IQ SATELLITE, FOR COMMUNICATION WITH IQ CENTRAL CONTROL. INCLUDE IQEXTANT4G EXTERNAL ANTENNA FOR METAL OR STAINLESS STEEL CABINET/PEDESTAL. USED FOR DIRECT OR SERVER SATELLITE APPLICATIONS.
			RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.
			CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.

NOTE: SEE L7.00 FOR COMPLETE SCHEDULE



KEY PLAN NTS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

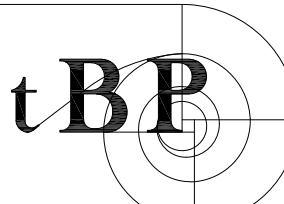
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



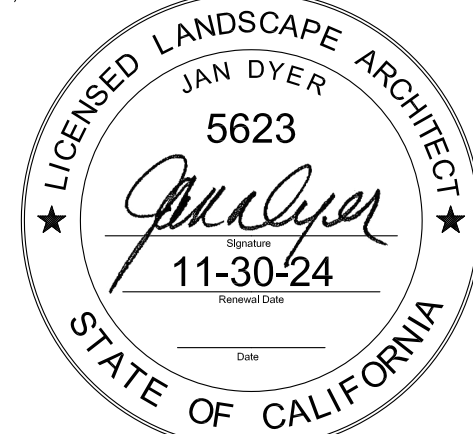
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

CONSULTANT

STUDIO-
MLA

251 South Mission Road
Los Angeles, California 90033
T. 213 384 3844 studio-mla.com

STAMPS/SEALS



SHEET TITLE:

IRRIGATON PLAN

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

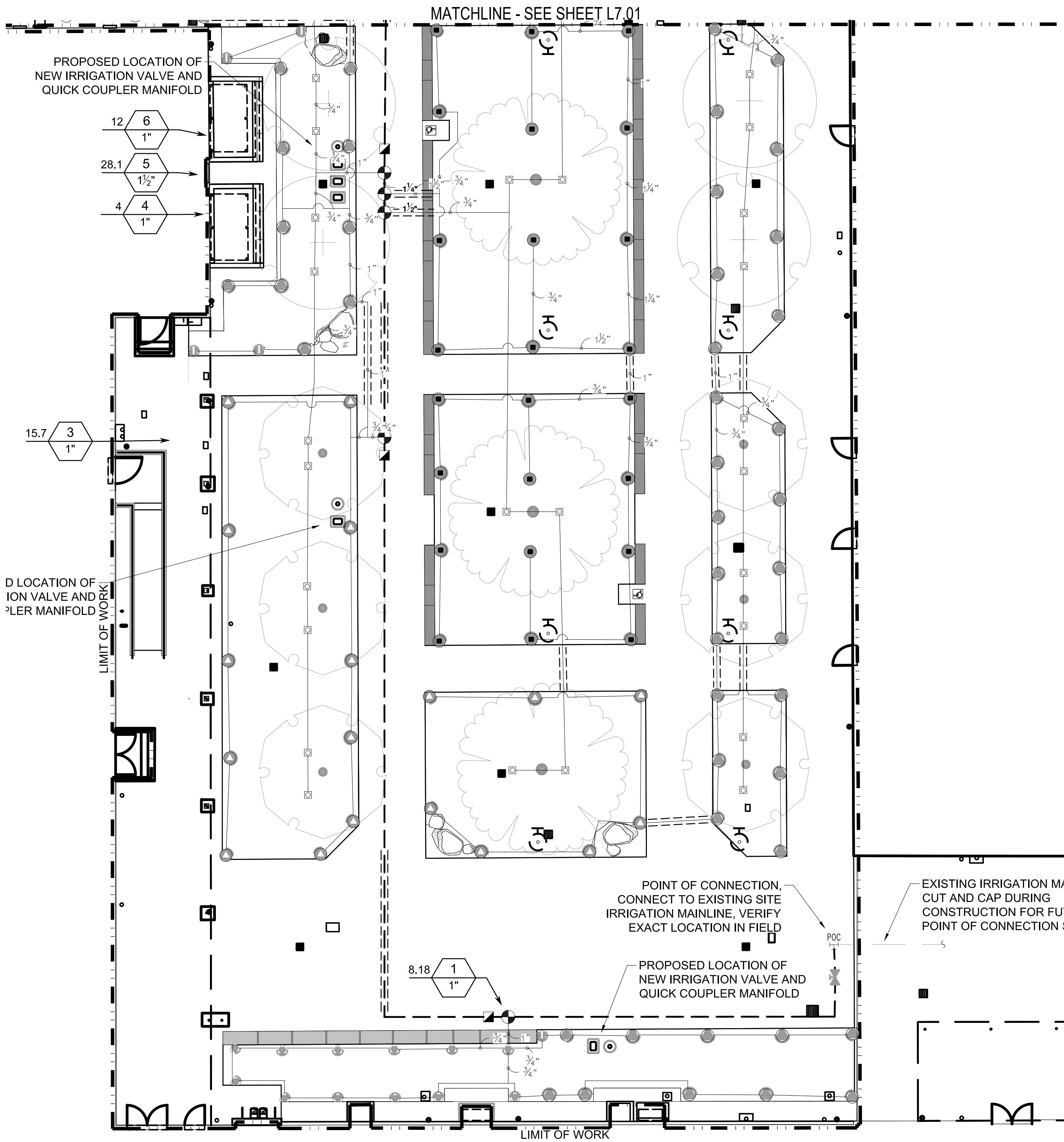
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SHEET NUMBER

L7.01

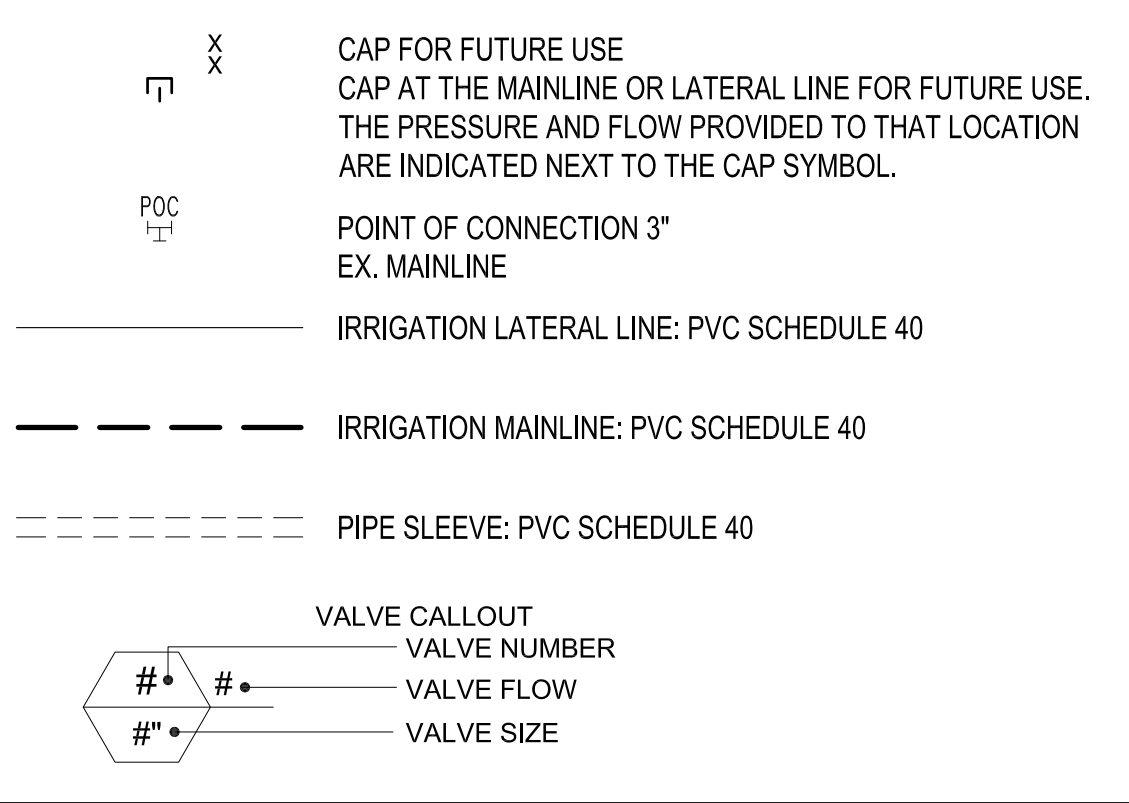
DATE: 07/05/2023

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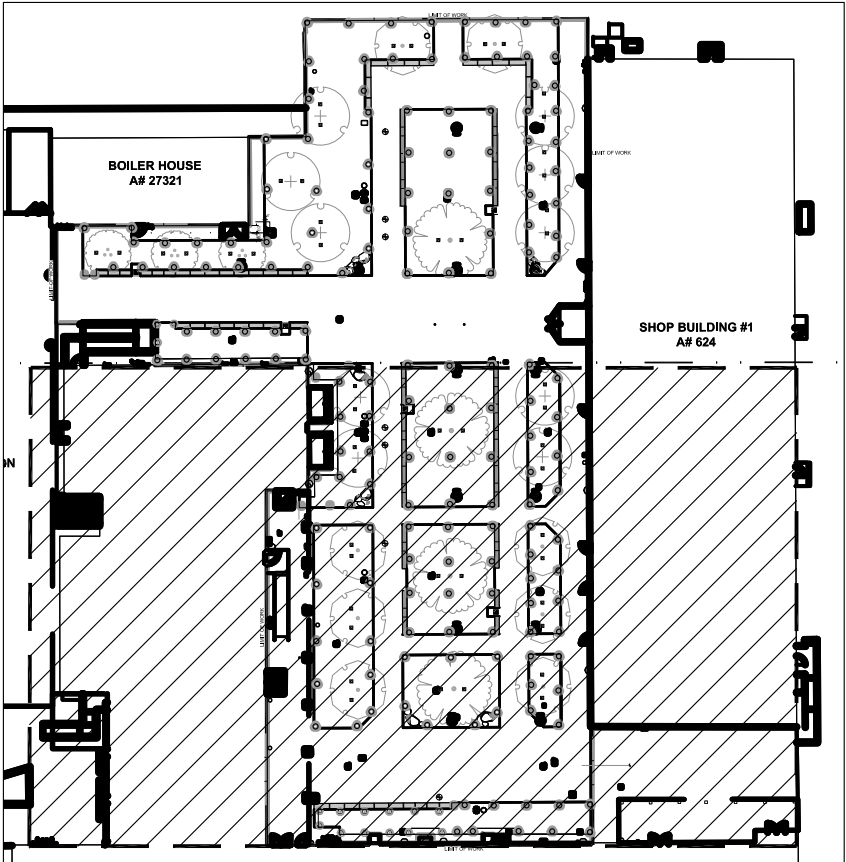


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER MP2000 PROS-06-PRS40-CV K TURF ROTATOR, 6IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY, K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.
	HUNTER MP2000 PROS-06-PRS40-CV R TURF ROTATOR, 6IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY, K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.
	HUNTER MP STRIP PROS-12-PRS40-CV LST SHRUB ROTATOR, 12IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE, LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY.
	HUNTER MP STRIP PROS-12-PRS40-CV RST SHRUB ROTATOR, 12IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE, LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY.
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	HUNTER MP1000 PROS-12-PRS40-CV M SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE, M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS40 BODY.
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	HUNTER MP2000 PROS-12-PRS40-CV R SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE, K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON PRS40 BODY.
	HUNTER MP800SR PROS-12-PRS40-CV ADJ SHRUB ROTATOR, 12IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY, ADJ=ORANGE AND GRAY (ARC 90-210), 360=LIME GREEN AND GRAY (ARC 360)
	RAIN BIRD RWS-B-C W/ RWS-SOCK 1402 ROOT WATERING SYSTEM WITH 4IN. DIAMETER X 36IN. LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE, CHECK VALVE AND SAND SOCK, RAIN BIRD BUBBLER OPTION AS INDICATED: 1401 0.25 GPM, 1402 0.5 GPM, 1404 1.0 GPM, 1408 2 GPM.
	RAIN BIRD EFB-CP-PRS-D 1N., 1-1/2IN., 2IN. BRASS REMOTE CONTROL VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN, GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.
	HUNTER HQ-44LRC-AW QUICK COUPLER VALVE, YELLOW RUBBER LOCKING COVER, RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 2-PIECE BODY, ACME KEY WITH ANTI-ROTATION WINGS.
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	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.



NOTE: SEE L7.00 FOR COMPLETE SCHEDULE



Scale : 1" = 10'-0"

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IDENTIFICATION STAMP
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APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

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Newport Beach, CA 92660
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architecture
planning
interiors

CONSULTANT

STUDIO-
MLA

281 South Mission Road
Los Angeles, California 90033
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STAMPS/SEALS

JAN DYER
5623
11-30-24
STATE OF CALIFORNIA

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

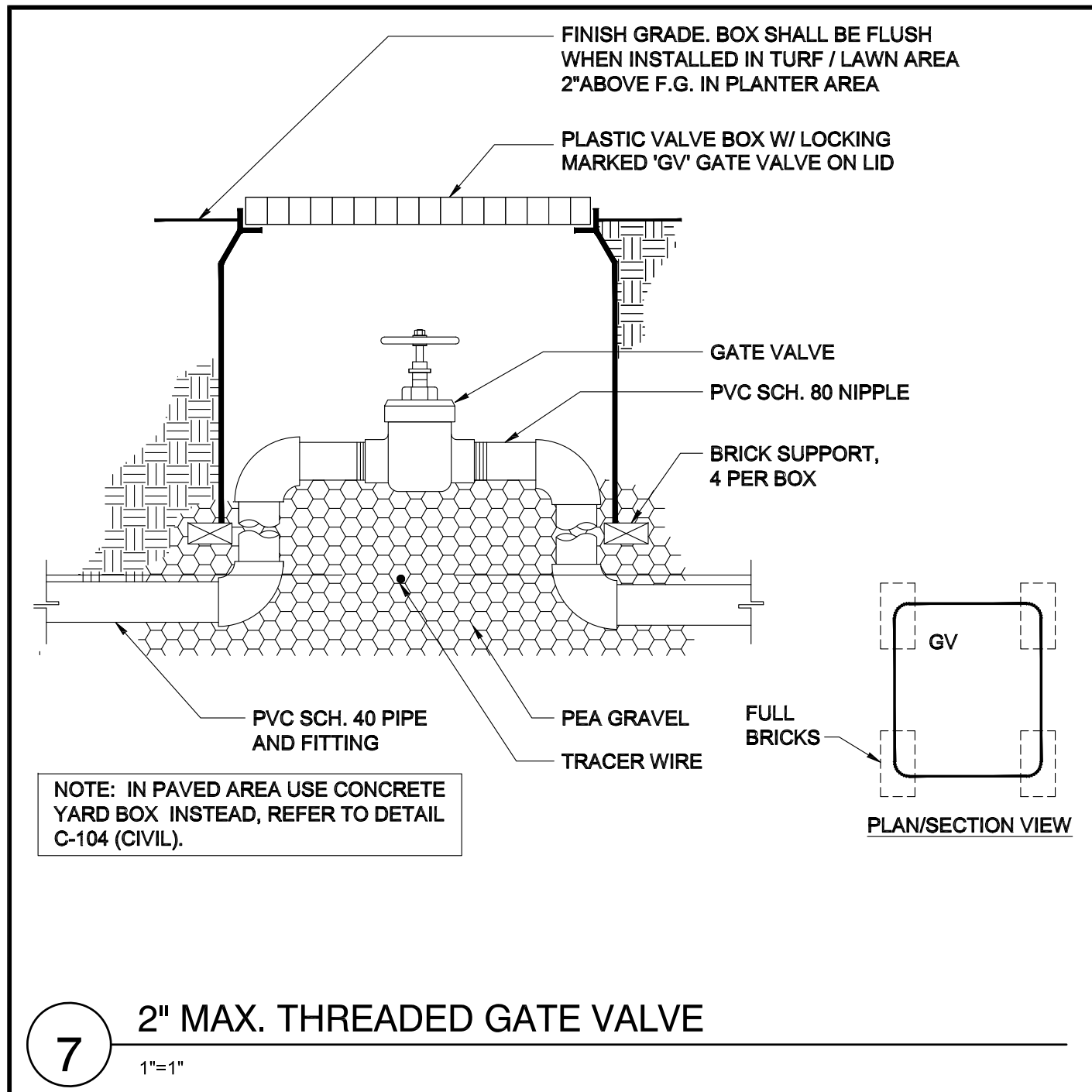
SHEET NUMBER

L7.02

DATE: 07/05/2023

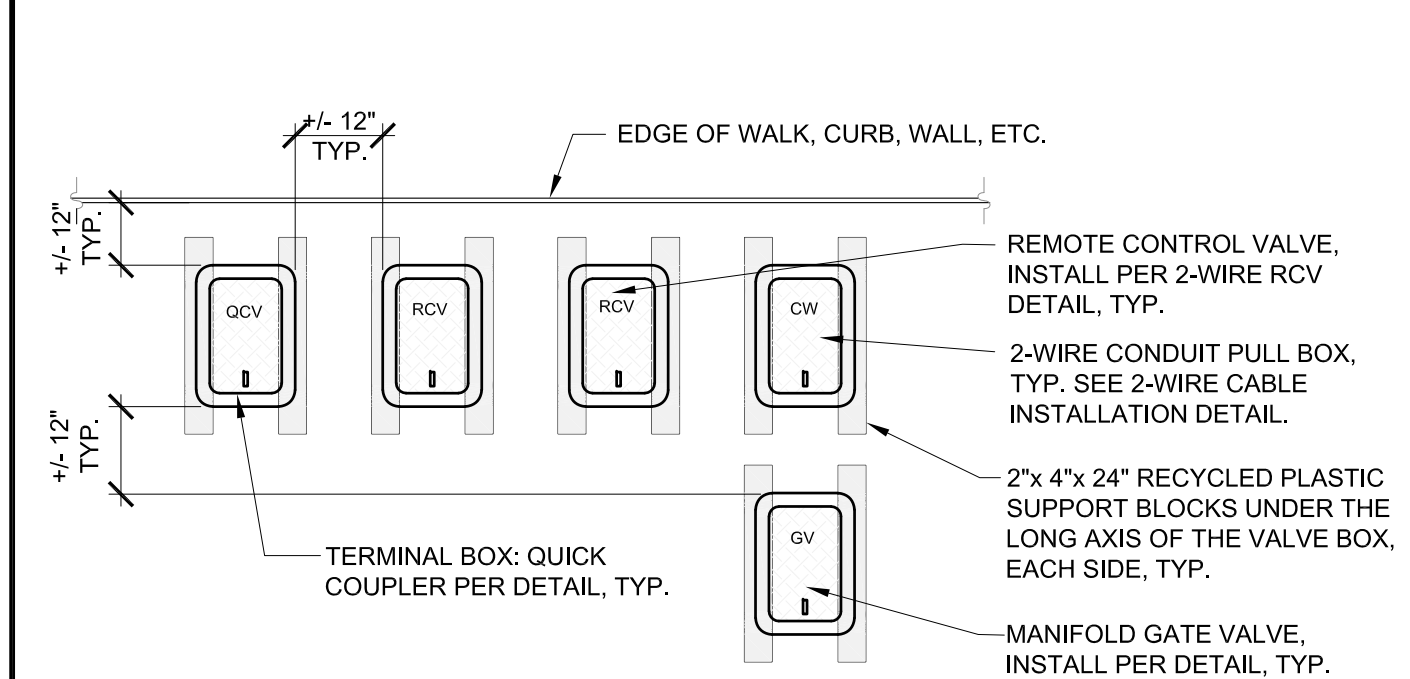
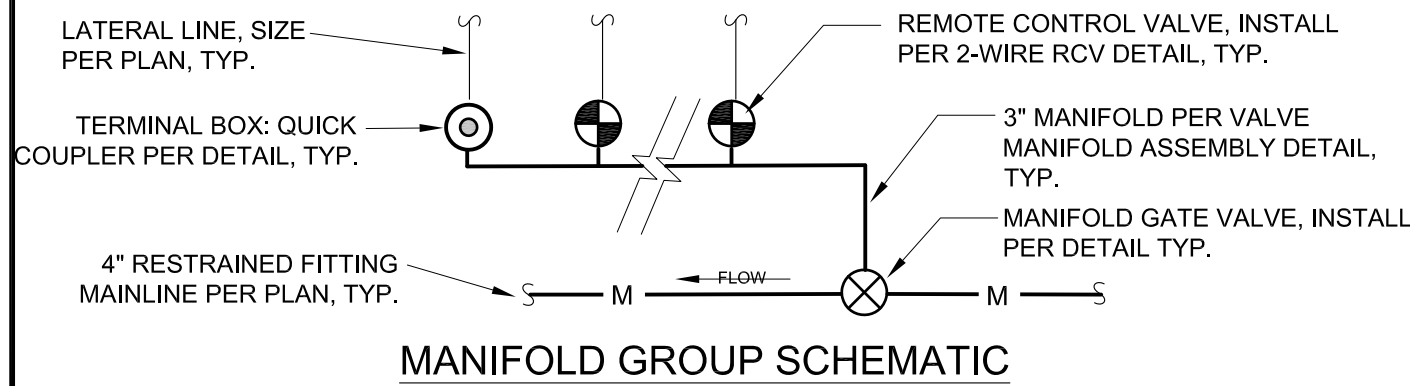
SHEET: OF:

IRRIGATION PLAN

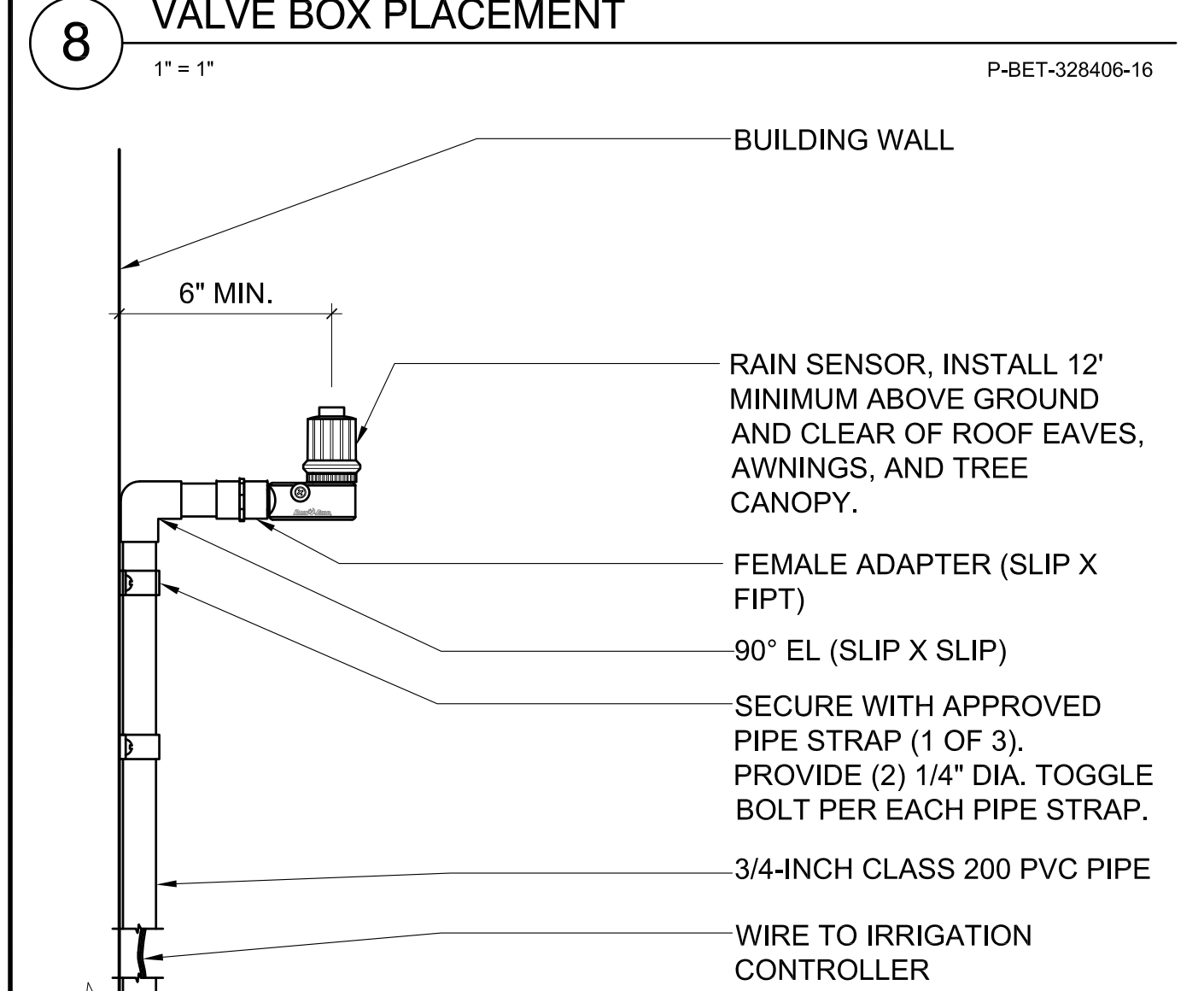


LOS ANGELES UNIFIED SCHOOL DISTRICT
 FACILITIES SERVICES DIVISION
 STANDARD TECHNICAL DRAWINGS
 POTABLE WATER IRRIGATION STANDARD DETAILS
 2" MAX. THREADED GATE VALVE

DRAWING No.
L-111
 DATE: JAN. 1, 2013

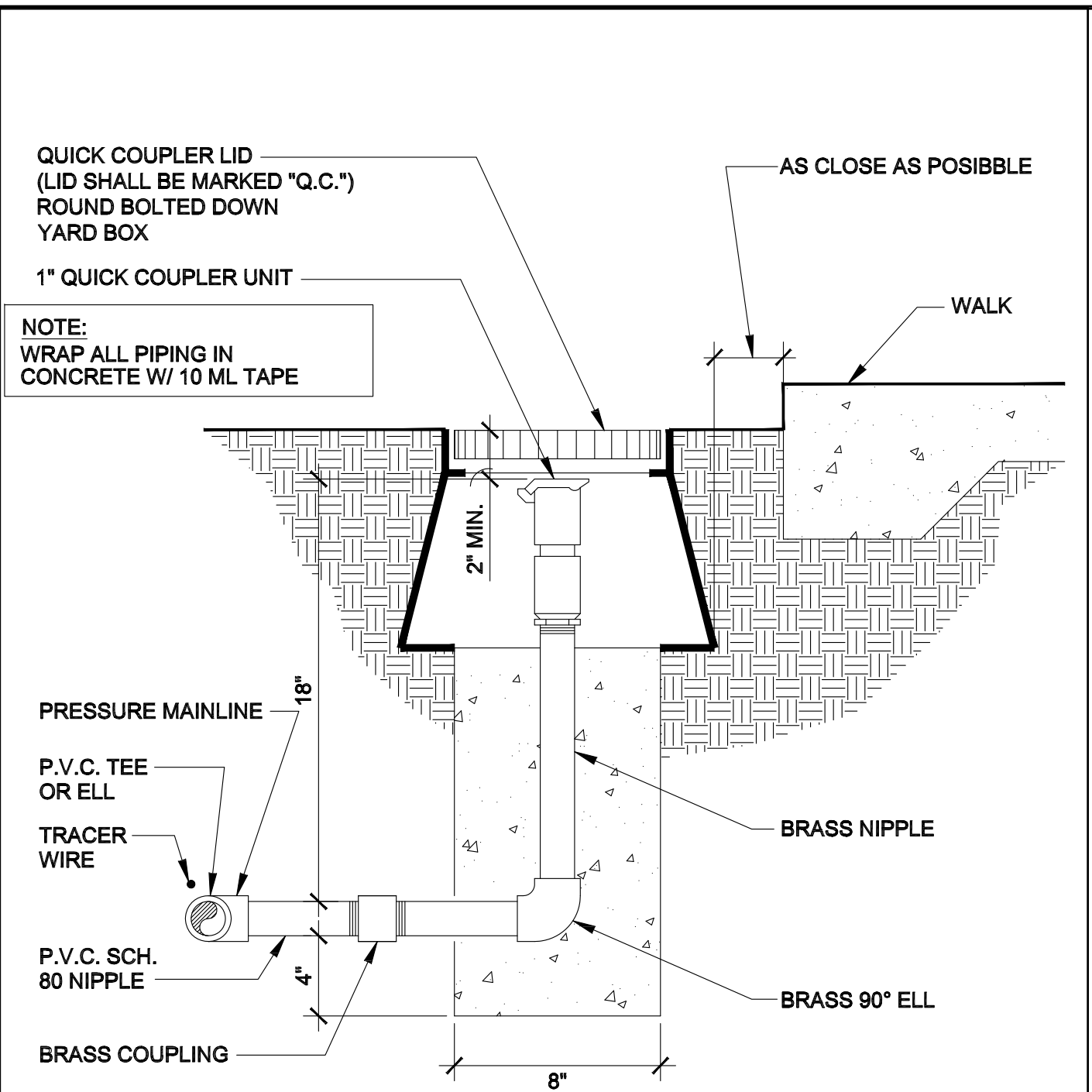


- NOTES:**
- ALL VALVES SHALL BE INSTALLED IN A MANIFOLD GROUP SIMILAR TO THAT SHOWN IN ABOVE SCHEMATIC. SEE PLANS FOR NUMBER OF RCV/QCV FOR EACH MANIFOLD, TYP.
 - ALL BOXES SHALL BE SQUARE TO ONE ANOTHER AND TO THE EDGES OF ADJACENT FIXED OBJECTS WHERE PRESENT.



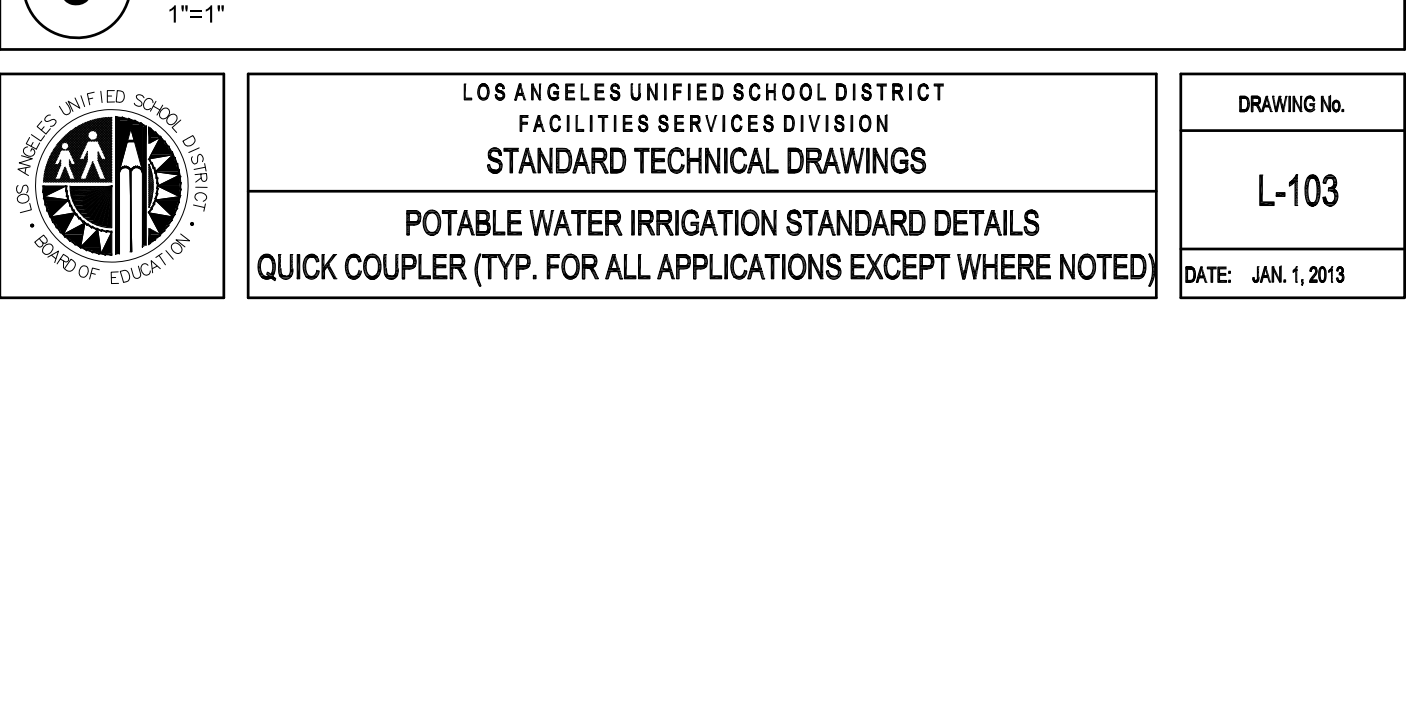
LOS ANGELES UNIFIED SCHOOL DISTRICT
 FACILITIES SERVICES DIVISION
 STANDARD TECHNICAL DRAWINGS
 POTABLE WATER IRRIGATION STANDARD DETAILS
 RAIN SENSOR ON BUILDING

DRAWING No.
L-110
 DATE: JAN. 1, 2013



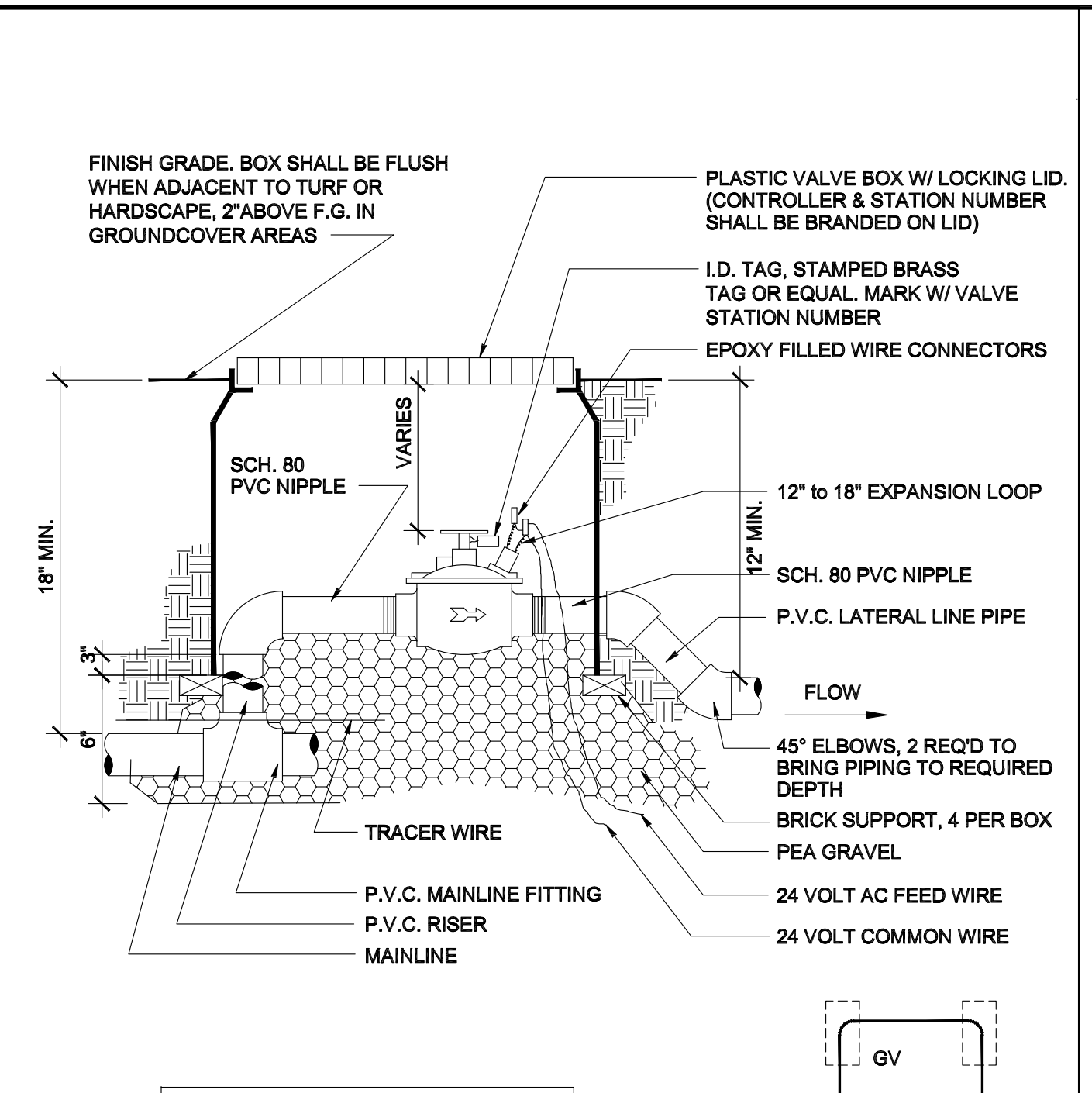
LOS ANGELES UNIFIED SCHOOL DISTRICT
 FACILITIES SERVICES DIVISION
 STANDARD TECHNICAL DRAWINGS
 POTABLE WATER IRRIGATION STANDARD DETAILS
 QUICK COUPLER (TYP. FOR ALL APPLICATIONS EXCEPT WHERE NOTED)

DRAWING No.
L-103
 DATE: JAN. 1, 2013



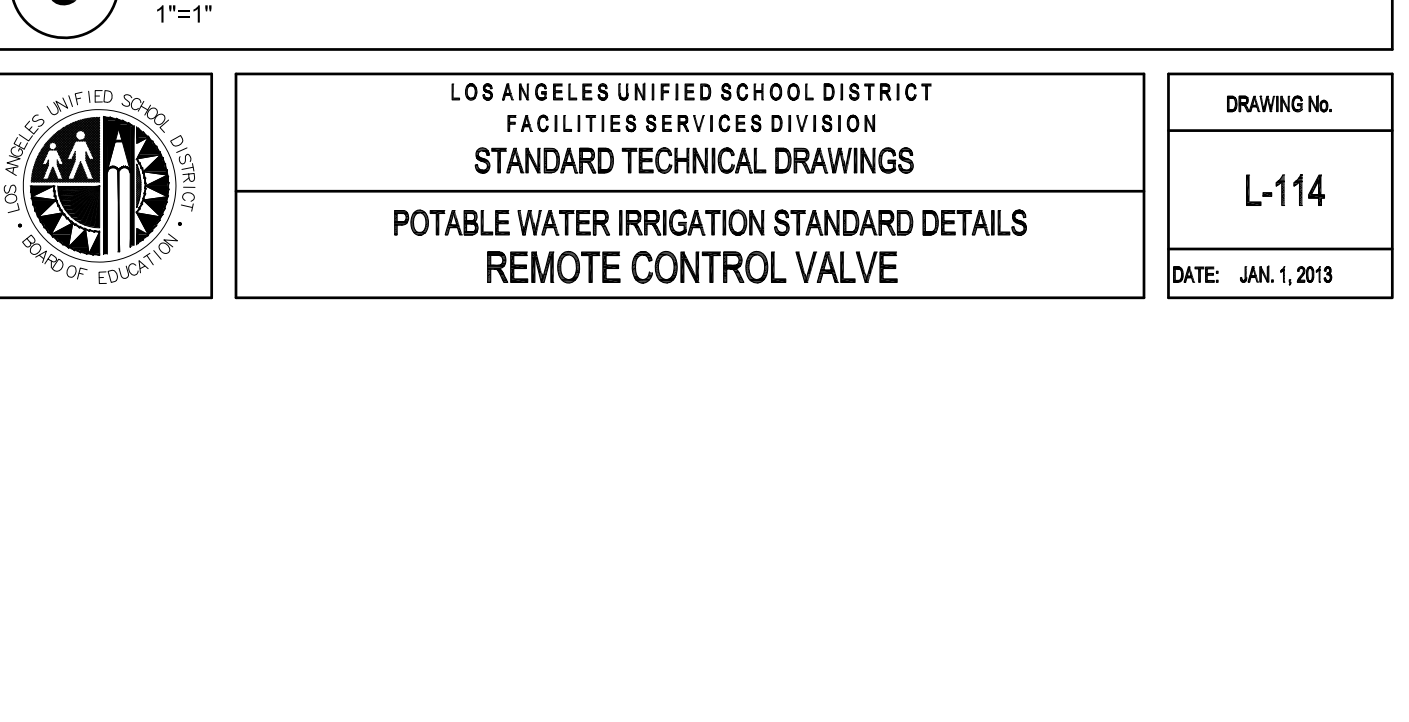
LOS ANGELES UNIFIED SCHOOL DISTRICT
 FACILITIES SERVICES DIVISION
 STANDARD TECHNICAL DRAWINGS
 POTABLE WATER IRRIGATION STANDARD DETAILS
 TRENCH DETAIL (PAVED & SPECIFIC AREAS)

DRAWING No.
L-110
 DATE: JAN. 1, 2013



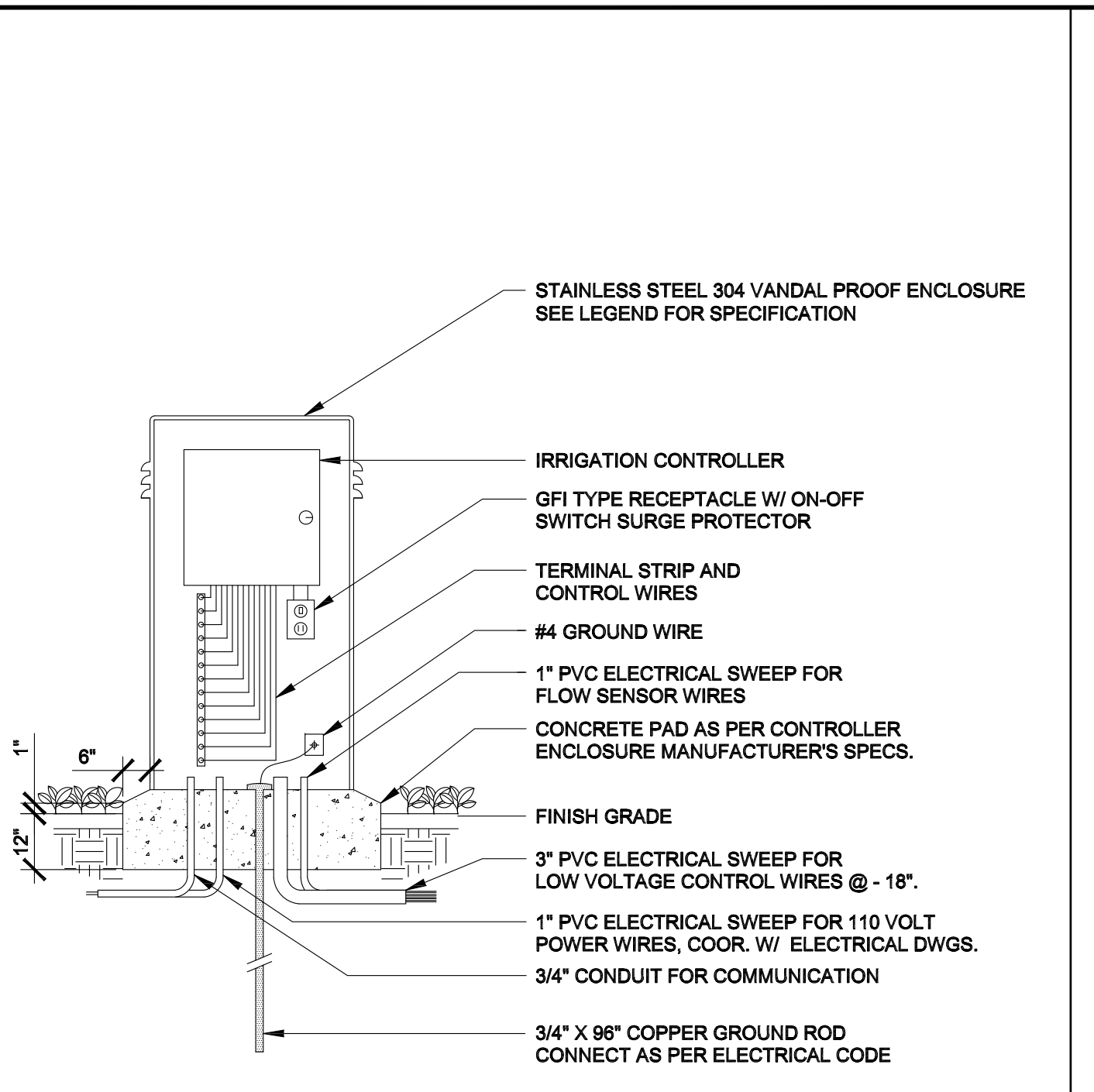
LOS ANGELES UNIFIED SCHOOL DISTRICT
 FACILITIES SERVICES DIVISION
 STANDARD TECHNICAL DRAWINGS
 POTABLE WATER IRRIGATION STANDARD DETAILS
 REMOTE CONTROL VALVE

DRAWING No.
L-114
 DATE: JAN. 1, 2013



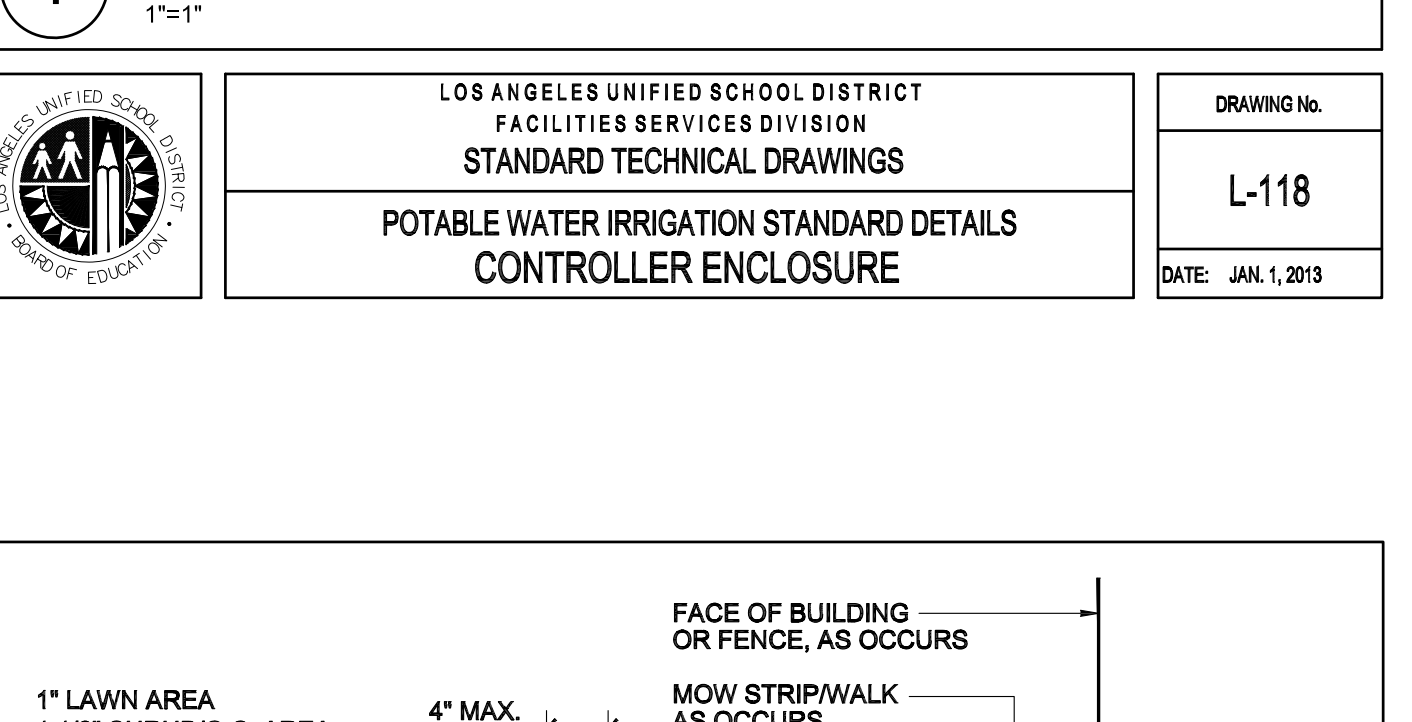
LOS ANGELES UNIFIED SCHOOL DISTRICT
 FACILITIES SERVICES DIVISION
 STANDARD TECHNICAL DRAWINGS
 POTABLE WATER IRRIGATION STANDARD DETAILS
 TREE WELL BUBBLER DETAIL (TWO PER TREE TYP.)

DRAWING No.
L-101
 DATE: JAN. 1, 2013



LOS ANGELES UNIFIED SCHOOL DISTRICT
 FACILITIES SERVICES DIVISION
 STANDARD TECHNICAL DRAWINGS
 POTABLE WATER IRRIGATION STANDARD DETAILS
 CONTROLLER ENCLOSURE

DRAWING No.
L-118
 DATE: JAN. 1, 2013



LOS ANGELES UNIFIED SCHOOL DISTRICT
 FACILITIES SERVICES DIVISION
 STANDARD TECHNICAL DRAWINGS
 POTABLE WATER IRRIGATION STANDARD DETAILS
 POP-UP SPRAY DETAIL

DRAWING No.
L-105
 DATE: JAN. 1, 2013

DIVISION OF THE STATE ARCHITECT
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-123235 INC:
 REVIEWED FOR
 SS ☒ FLS ☒ ACS ☒
 DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT
ASSET MANAGEMENT FACILITIES SERVICES DIVISION
 333 S. BEAUDRY AVENUE, 23RD FLOOR
 LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION
BETHUNE MIDDLE SCHOOL
 QUAD REDESIGN
 155 W 69TH STREET
 LOS ANGELES, CA 90003
 COLIN NO: 10370081
 COMMISSIONED ARCHITECT

 tBP/Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300 fx: 949.732.3895
 architecture
 planning
 interiors
 CONSULTANT
STUDIO-MLA
 281 South Mission Road
 Los Angeles, California 90033
 T. 213 384 3844 studio-mla.com
 STAMPS/SEALS

 SHEET TITLE:
IRRIGATION DETAILS
 PROJECT NO.: 21011.11 PROJECT ARCH:
 DRAWN: CHECKED:
 SHEET NUMBER
L7.03
 DATE: 07/05/2023 SHEET: OF:

PLANTING NOTES

1.

PLANTING PLANS ARE DIAGRAMMATIC. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS, PLANT TYPES, SIZES, AND PLANT LOCATIONS AS SHOWN PRIOR TO INSTALLATION. ADVISE LANDSCAPE ARCHITECT WHERE CONFLICTS MAY BE PRESENT FOR RESOLUTION SO THE DESIGN'S INTENT IS NOT COMPROMISED.
2.

VERIFY AND STAKE LOCATIONS OF EXISTING UTILITIES PRIOR TO EXCAVATION. CONTACT UNDERGROUND SERVICE ALERT 800.642.2444. PROTECT UTILITIES IN PLACE DURING CONTRACT DURATION. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED BY CONTRACTOR AT THEIR OWN EXPENSE.
3.

DO NOT PRUNE OR TOP TREES PRIOR TO DELIVERY UNLESS DIRECTED, IN WRITING, BY THE LANDSCAPE ARCHITECT. DO NOT PRUNE THE CENTRAL LEADER OF ANY TREE. TREES THAT SHOW EVIDENCE OF HAVING BEEN RECENTLY PRUNED PRIOR TO DELIVERY SHALL BE SUBJECT TO REJECTION.
4.

THE APPLICATION OF SOIL AMENDMENTS AND/OR FERTILIZERS SHALL BE DETERMINED BY THE RESULTS OF AN AGRICULTURAL SUITABILITY ANALYSIS PREPARED BY A LICENSED SOILS LABORATORY FOR ON-SITE ROUGH-GRADED SOILS, AND (IF REQUIRED) ANY IMPORTED TOPSOIL. REFER TO THE SPECIFICATIONS FOR THE NUMBER OF REPRESENTATIVE SAMPLES REQUIRED TO BE ANALYZED, AND THE NECESSARY ASSOCIATED TESTING METHODS/RESULTS THAT ARE REQUIRED TO BE FULFILLED. IF SIGNIFICANTLY DIFFERENT SOILS ARE ENCOUNTERED BY THE SUITABILITY ANALYSIS RESULTS, FURTHER SAMPLING MAY BE REQUIRED. A COPY OF THE SUITABILITY ANALYSES, ACCOMPANIED WITH RECOMMENDATIONS AUTHORED BY THE LABORATORY TO BRING THE SUBJECT SOILS INTO OPTIMUM HORTICULTURAL SUITABILITY (USING PRODUCTS/MATERIALS IDENTIFIED IN THE PROJECT SPECIFICATIONS), SHALL BE SUBMITTED TO THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT AS SOON AS AVAILABLE. CONTRACTOR SHALL SUBMIT WRITTEN CERTIFICATION, ACCOMPANIED WITH COPIES OF THE DELIVERY TICKETS, THAT ALL REQUIRED SOIL AMENDMENT AND FERTILIZER TYPE(S) HAVE BEEN INCORPORATED AT THE NECESSARY APPLICATION RATES AS RECOMMENDED AND REVIEWED THROUGH THE AGRICULTURAL SUITABILITY ANALYSIS.
5.

BASED ON THE RESULTS AND/OR MODIFICATIONS REQUIRED FROM AGRICULTURAL SUITABILITY ANALYSIS, THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE RECOMMENDATIONS FOR REVISIONS TO THE PLANTING SPECIES REQUIRED TO BETTER ACCOMMODATE THE AMENDED SOILS.
6.

CONTRACTOR IS RESPONSIBLE FOR TEMPORARY EROSION CONTROL AT ALL TIMES. TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL, AND ABATE WATER, MUD AND EROSION DAMAGE TO THE SITE AND ADJOINING PROPERTY (PRIVATE AND PUBLIC) AS A RESULT OF CONSTRUCTING THE PROJECT. BY OCTOBER 15TH OF EACH YEAR, OR EARLIER IF CONDITIONS WARRANT, SUCH TEMPORARY EROSION CONTROL FEATURES AS ARE NECESSARY TO PREVENT DAMAGE DURING THE FORTHCOMING WINTER SEASON SHALL BE CONSTRUCTED AND FUNCTIONING, MEETING REQUIREMENTS OF THE REGIONAL WATER QUALITY CONTROL BOARD.
7.

CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING A MINIMUM TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY LANDSCAPE IMPROVEMENT WORK AT THE SITE.
8.

LOCATION OF PLANT MATERIAL TAKES PRECEDENCE OVER LOCATION OF IRRIGATION SYSTEM COMPONENTS. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS IN FIELD WHERE IRRIGATION SYSTEM COMPONENTS (SUBSURFACE MAINLINES, LOCATION OF VALVE BOXES, ETC.) DO NOT CONFLICT WITH THE LOCATION OR DESIGN INTENT LAYOUT OF THE PLANT MATERIAL. COORDINATION IS ESSENTIAL TO MAKE SURE THE DESIGN INTENT OF THE PLANTING IS NOT COMPROMISED. (EXAMPLES: A CONTINUOUS HEDGE REQUIRES DIVISION INTO PARTIAL SEGMENTS DUE TO ERRANT SETTING OF VALVE BOXES, OR A TREE NEEDS TO BE RELOCATED DUE TO ERRANT LOCATION OF INSTALLED IRRIGATION MAINLINE. THE DESIGN INTENT FOR A CONTINUOUS HEDGE TAKES PRECEDENCE (THE VALVE BOXES SHALL BE LOCATED IN ANOTHER NON-CONFLICTING LOCATION); THE IRRIGATION MAINLINE SHALL BE REROUTED ACCORDINGLY (TO AVOID THE NEED TO RELOCATE THE CONFLICTING TREE).
9.

CHECK DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. DISCREPANCIES OR POSSIBLE DEFICIENCIES BETWEEN THE CONTRACT DRAWINGS AND SPECIFICATIONS WITH FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT.
10.

PROVIDE FOR POSITIVE DRAINAGE AT ALL TIMES. NOTIFY LANDSCAPE ARCHITECT IF SITE CONDITIONS ARE OTHERWISE. MAINTAIN FLOWLINES AND DRAINAGE PATTERNS AS INDICATED ON THE ENGINEER'S DRAWINGS. REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO GROWTH OF PLANT MATERIAL.
11.

CONTRACT DRAWINGS AND SPECIFICATIONS INDICATE THE FINISH STRUCTURE. CONSTRUCTION MEANS AND METHODS, SAFETY PROCEDURES, BRACING, SHORING, AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OBSERVATION VISITS TO THE JOB SITE MADE BY THE LANDSCAPE ARCHITECT DO NOT INCLUDE INSPECTION OF CONSTRUCTION METHODS AND SAFETY CONDITIONS AT THE WORK SITE. GIVE THE LANDSCAPE ARCHITECT A MINIMUM OF 48 HOURS NOTICE FOR REQUIRED OR REQUESTED JOB SITE VISITS.
12.

PLANT QUANTITIES INDICATED ARE FOR CONVENIENCE. CONTRACTOR TO ACCOUNT FOR 15% ADDITIONAL QUANTITIES OF SHRUB AND GROUNDCOVER.
13.

PROVIDE MATERIAL AND QUALITY REQUIREMENTS NECESSARY FOR CONTINUOUS CONTROL, ABATEMENT, AND REMOVAL OF NOXIOUS VEGETATION. ESTABLISH, THROUGH THE COLLECTIVE USE OF SYSTEMIC, PRE- AND POST-EMERGENT HERBICIDES, A WEED-FREE CONDITION THROUGHOUT THE PROJECT AREA. FURNISH ALL NECESSARY MATERIALS, LABOR, SUPERVISION, EQUIPMENT, SIGNAGE, AND CHEMICAL SOLUTIONS FOR CONTROLLING OR ELIMINATING UNDESIRABLE VEGETATION. ALL PRODUCTS AND MATERIALS USED FOR WEED CONTROL SHALL BE EPA REGISTERED AND APPROVED FOR USE BY THE LOCAL JURISDICTION AND LAUSD OESH.
14.

QUALITY AND SIZE OF PLANTS SHALL BE IN ACCORDANCE WITH RULES AND GRADING ADOPTED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. AND INCLUDED IN THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60). PLANTS SHALL EXHIBIT A NORMAL TO PREMIUM HABIT OF GROWTH FOR THE SPECIFIED SPECIES, AND SHALL BE SOUND, HEALTHY, FULL IN CONTAINER, VIGOROUS IN GROWTH WITH DENSELY FOLIATED BRANCHES, EXCEPTIONAL IN APPEARANCE, FORM, AND STRUCTURE, WITH ROBUST ROOT SYSTEMS, AND FREE FROM INSECTS, PESTS, AND DISEASE. TREE TRUNKS SHALL BE FREE OF SCARS, BLEMISHES, DEFECTS, AND INJURIES.
15.

CONTAINER-GROWN PLANTS SHALL HAVE BEEN CULTIVATED IN NURSERY CONTAINERS FOR A MINIMUM OF SIX (6) MONTHS, AND A MAXIMUM OF TWO (2) YEARS. PLANTS SHALL HAVE SUFFICIENTLY- DEVELOPED ROOT SYSTEMS TO HOLD PLANTING SOIL TOGETHER INTACT UPON REMOVAL FROM THEIR CONTAINERS; THEY SHALL NOT EXHIBIT A ROOT-BOUND CONDITION.
16.

PLANTS SHALL BE HANDLED BY THEIR CONTAINERS AT ALL TIMES. DO NOT LIFT, SET, OR HANDLE PLANTS BY THEIR TRUNKS, STEMS, OR FOLIAGE MASS. DO NOT USE PLANTS AS A LEVER FOR INSTALLATION. DO NOT DROP CONTAINERS TO DISRUPT ROOT SYSTEMS. ROOTBALLS THAT ARE CRACKED OR DAMAGED SHALL BE REJECTED AND REPLACED.
17.

PLANTS SHALL BE DELIVERED TO SITE UNDER PROTECTIVE COVER. PLANTS SHALL ARRIVE UNBLEMISHED, WITH SUFFICIENTLY MOISTENED ROOTBALLS. STORE AND PROTECT FROM DAMAGE THROUGHOUT INSTALLATION PERIOD. MAINTAIN PLANTS IN A FULLY- IRRIGATED CONDITION UNTIL INSTALLATION.
18.

PLANTS DELIVERED TO THE SITE SHALL HAVE DURABLE LEGIBLE LABELS, PRINTED OR STATED IN WEATHER-RESISTANT INK, WITH THE CORRECT BOTANICAL NAME OF THE PLANT(S) BEING DELIVERED. LABELS SHALL BE SECURELY ATTACHED TO PLANT FOLIAGE OR CONTAINER. PLANTS THAT HAVE BEEN REVIEWED AND SELECTED IN ADVANCE AT THE NURSERY BY THE LANDSCAPE ARCHITECT SHALL BE DELIVERED TO THE SITE WITH THE ORIGINAL TAGGING MATERIALS USED BY THE LANDSCAPE ARCHITECT ARE HELD SECURELY INTACT AND UNTAINTED.
19.

PRIOR TO ANY PLANTING OPERATIONS, CONTRACTOR SHALL RECEIVE APPROVAL OF REQUIRED SUBMITTALS AS INDICATED IN CONTRACT SPECIFICATIONS. SUBMITTALS INCLUDE THE FOLLOWING:

▪ AGRONOMIC SOIL FERTILITY ANALYSIS AND RECOMMENDATIONS PER SPECIFICATION SECTION 329113;

▪ SOIL PERCOLATION TESTING PER SPECIFICATION SECTION 329113;

▪ APPLICABLE SOIL PREPARATION ARTICLES BEING FURNISHED AND INSTALLED FOR AMENDMENTS, FERTILIZERS, AND SOIL MIXTURES UNDER SPECIFICATION SECTION 329113;

▪ PLANT MATERIALS BEING FURNISHED AND INSTALLED UNDER APPLICABLE SPECIFICATION SECTIONS 329200, 329300, AND/OR 329360;

▪ LANDSCAPE PLANTING ACCESSORIES BEING FURNISHED AND INSTALLED UNDER SPECIFICATION SECTION 329400;

▪ APPLICABLE PLANT ESTABLISHMENT PERIOD ARTICLES BEING FURNISHED AND INSTALLED UNDER SPECIFICATION SECTION 329813.
21.

PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED WHEN SOIL IS IN A SATURATED, MUDDY, OR FROZEN CONDITIONS.
22.

PLANTING HOLE/PIT SHALL BE EXCAVATED TO A MINIMUM OF 2X THE WIDTH OF THE PLANT ROOTBALL BEING INSTALLED. DO NOT EXCAVATE HOLES/PITS DEEPER THAN THE DEPTH OF THE ROOTBALL BEING INSTALLED. SCARIFY THE SIDES OF THE PLANTING HOLE/PIT TO ENCOURAGE OPTIMUM GROWTH INTO THE SUBGRADE.
23.

UPON REMOVAL OF THE PLANT'S NURSERY CONTAINER OR ROOT BALL WRAPPINGS, PRUNE OR REMOVE ANY WINDING OR GIRDLING ROOTS. PRUNE/CUT UTILIZING CLEAN, SHARP, AND STERILIZED TOOLS. LIGHTLY SCARIFY ROOT BALL TO ENCOURAGE OUTWARD GROWTH OF ROOT MASS.

24.

SET THE TOP (CROWN) OF THE PLANT ROOT BALL SLIGHTLY ABOVE THE LEVEL OF THE SURROUNDING FINISHED GRADIENT, ALLOWING FOR ANY DIFFERENTIAL SETTLEMENT OF THE BACKFILL.
25.

FULLY IRRIGATE PLANT MATERIALS IMMEDIATELY UPON INSTALLATION SO THAT ROOT MASS AND BACKFILL ARE SATURATED AND SETTLED. MONITOR PLANTS AND APPLY SUPPLEMENTAL WATER, IN QUANTITY AS REQUIRED, TO PROMOTE HEALTHY ESTABLISHMENT, AND UNTIL IRRIGATION SYSTEM IS FULLY OPERATIONAL AND FUNCTIONAL. HAND WATERING OF PLANTS MAY BE REQUIRED TO ENSURE SURVIVAL.
26.

FOR BOXED TREES, SET TREES IN THE EXCAVATED PLANTING HOLE/PIT AND ORIENT/SET PLUMB, ACCORDING TO THE DIRECTION OF THE LANDSCAPE ARCHITECT. REMOVE NURSERY CONTAINER STRAPS AND SIDES, ONCE TREE IS ACCEPTED IN PLACE. INSTALL SUPPLEMENTAL DRAINAGE ASSEMBLIES AND TREE ROOT AERATION UNITS AS SPECIFIED. INSTALL ROOT CONTROL BARRIERS AS SPECIFIED. BACKFILL AND LIGHTLY COMPACT ACCORDINGLY IN LIFTS WITH AMENDED PLANTING BACKFILL MIXTURE (REFER TO SPECIFICATIONS). APPLY WATER AND TAMP TO REMOVE AIR POCKETS AND SETTLE BACKFILL BEING CAREFUL TO AVOID EXCESSIVE COMPACTION WHICH WILL AFFECT SOIL POROSITY ESSENTIAL FOR HEALTHY ROOT GROWTH. ADD SLOW-RELEASE FERTILIZER TABLETS AND SUPPLEMENTAL AMENDMENTS IN QUANTITY AS SPECIFIED PRIOR TO FINAL LIFT OF BACKFILL.
27.

STAKE AND/OR GUY TREES, AS NECESSARY, IMMEDIATELY AFTER PLANTING, TO ENSURE CONTINUOUS PLUMB GROWTH THROUGH THE SPECIFIED PLANT ESTABLISHMENT PERIOD AND UNTIL FINAL ACCEPTANCE IS GRANTED. FOR TREE STAKING, SECURELY ANCHOR TREE STAKES INTO UNDISTURBED SUBGRADE. REFER TO SPECIFICATIONS FOR TYPE, QUANTITY, AND SIZE OF STAKES AND SUPPLEMENTAL STAKING MATERIALS. FOR TYPE AND INSTALLATION OF TREE GUYING ASSEMBLIES, REFER TO MANUFACTURER'S PRINTED INSTRUCTIONS AS SPECIFIED. REMOVE AND DISCARD ALL NURSERY-FURNISHED STAKING MATERIALS.
28.

FOLLOWING PLANTING INSTALLATION AND REMEDIAL FINE GRADING, PLANTING AREAS SHALL RECEIVE A LAYER OF MULCH TO HOLD IN SOIL MOISTURE AND DETER WEED GROWTH AND SOIL EROSION. TYPE AND SETTLED DEPTH OF MULCH LAYER (SHREDDED WOOD MULCH, AGGREGATE SURFACING, ETC.) SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS. MULCH SHALL BE APPLIED BEING CAREFUL NOT TO SET WITHIN AND PROTECT GROWING NODES OF INSTALLED PLANTS.
29.

REMEDIAL PRUNING OF PLANTS SHALL BE RESERVED AND LIMITED TO DEAD, DISEASED OR BROKEN LIMBS ONLY, AND SHALL BE IN STRICT ACCORDANCE WITH ANSI A300 SPECIFICATIONS. PRUNE/CUT UTILIZING CLEAN, SHARP, AND STERILIZED TOOLS.
30.

LANDSCAPE INSTALLATION PERIOD: CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IN FULL, ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, WEEDING, STAKING, ETC.) UNTIL THE PROJECT IS REVIEWED AT THE END OF THE INSTALLATION PHASE BY THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. CONTRACTOR SHALL REQUEST REVIEW OF PROJECT IN WRITING AT THE END OF THIS INSTALLATION PERIOD. COMPLETION OF THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE'S REVIEW IN FIELD SHALL COMMENCE THE LANDSCAPE ESTABLISHMENT PERIOD. THE ENTIRE PROJECT WILL BE ACCEPTED AT ONE TIME AND WILL NOT BE ACCEPTED BY AREAS OR PHASED PARTS.
31.

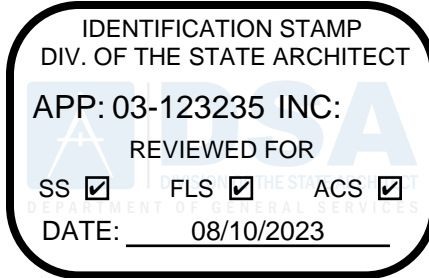
LANDSCAPE ESTABLISHMENT PERIOD: CONTRACTOR IS RESPONSIBLE TO GUARANTEE AND CONTINUOUSLY MAINTAIN IN FULL ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, WEEDING, STAKING, ETC.) FOR AN ESTABLISHMENT PERIOD FOLLOWING THE REVIEW DATE OF INSTALLATION COMPLETION. DURATION OF THIS LANDSCAPE ESTABLISHMENT PERIOD SHALL BE AS SPECIFIED. CONTRACTOR SHALL REQUEST REVIEW OF PROJECT IN WRITING FOLLOWING COMPLETION OF THE LANDSCAPE ESTABLISHMENT PERIOD. LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE'S SUCCESSFUL REVIEW SHALL ACKNOWLEDGE SUBSTANTIAL COMPLETION AND BEGIN THE LANDSCAPE GUARANTEE PERIOD.
32.

GUARANTEE PERIOD: FOLLOWING SUBSTANTIAL COMPLETION, IF ALL WORK IS SATISFACTORY, COMPLETE, AND IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT, THEN THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT SHALL DECLARE FINAL ACCEPTANCE OF THE PROJECT IN WRITING AND THE BEGINNING OF THE ONE (1) YEAR LANDSCAPE GUARANTEE PERIOD.
33.

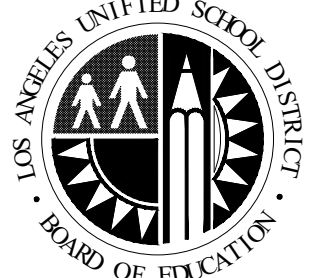
CONTINUOUSLY MAINTAIN INSTALLED PLANTING AREAS IN A DUST, PEST, TRASH, DEBRIS, AND WEED-FREE CONDITION THROUGHOUT THE CONTRACTED PLANT ESTABLISHMENT PERIOD UNTIL FINAL ACCEPTANCE. MAINTAIN IN ACCORDANCE WITH APPLICABLE GOVERNING AGENCY GUIDELINES AND SPECIFICATIONS UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
34.

ALL PLANT MATERIAL INSTALLED SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN A VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE (1) YEAR FOLLOWING FINAL ACCEPTANCE FOR TREE AND SHRUBS SHALL BE GUARANTEED FOR TWO (2) YEARS FOLLOWING FINAL ACCEPTANCE. CONTRACTOR SHALL REMOVE AND REPLACE ANY PLANT MATERIAL WHICH ARE DEAD OR DYING (PER THE SOLE OPINION OF THE LANDSCAPE ARCHITECT), EXCEPT THOSE DUE TO VANDALISM OR NEGLECT, WITH PLANT MATERIAL EQUAL TO ORIGINAL. REPLACEMENT PLANT MATERIALS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUBSEQUENT PLANTING SEASON. ALL REPLACEMENT PLANT MATERIALS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.

DIVISION OF THE STATE ARCHITECT



A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

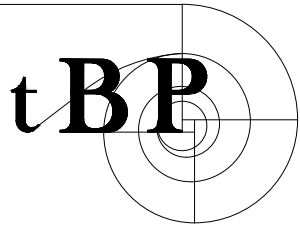
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



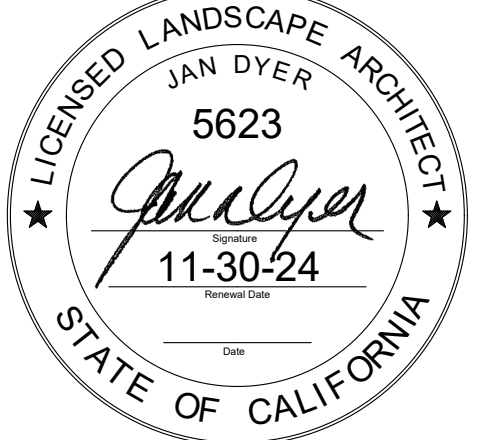
tBP/Architecture
4611 Teller Avenue
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CONSULTANT

STUDIO-MLA

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T. 213 384 3844 studio-mla.com

STAMPS/SEALS



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SHEET TITLE:

PLANTING NOTES

PROJECT NO.:	21011.11	PROJECT ARCH:	
DRAWN:		CHECKED:	
SHEET NUMBER			
L8.00A			
DATE:	07/05/2023	SHEET:	OF:

CALGREEN NOTES

CALGreen Code Section 5.106.12- Shade Trees

5.106.12 Shade trees. Shade trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measure at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.2 Landscape areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 20% of the landscape area within 15 years.

Landscape Area: 14, 562SF; Landscape Shade Canopy: 8,089SF (56%)

5.106.12.3 Hardscape areas. Shade tree planting, minimum #10 container size or equal, shall be installed to provide shade over 20% of the hardscape area within 15 years.

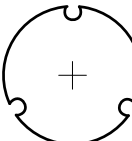
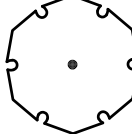
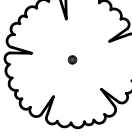
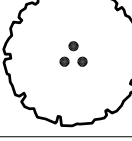


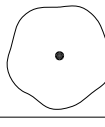



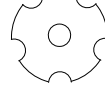









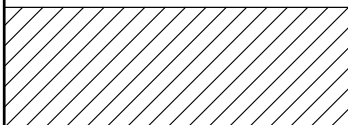

Hardscape Area: 16,296SF; Hardscape Shade Canopy: 3,442SF (21%)

LANDSCAPE AREAS, TYP.

HARDSCAPE SHADE CANOPY, TYP.

LANDSCAPE SHADE CANOPY, TYP.

Scale : 1" = 30'-0"

PLANT SCHEDULE									
TREES	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING	WATER USE		QTY	DETAIL	REMARKS
	AGO FLE	AGONIS FLEXUOSA / PEPPERMINT TREE	36" BOX	PER PLAN	LOW		10	4/L8.03	STANDARD FORM
	CAS LEP	CASSIA LEPTOPHYLLA / GOLD MEDALLION TREE	36" BOX	PER PLAN	MODERATE		8	4/L8.03	STANDARD FORM
	ULM TRU	ULMUS PARVIFOLIA 'TRUE GREEN' / TRUE GREEN LACEBARK ELM	48" BOX	PER PLAN	MODERATE		4	4/L8.03	
	CHI MOR	X CHITALPA TASHKENTENSIS 'MORNING CLOUD' / MORNING CLOUD HYBRID DESERT WILLOW	48" BOX	PER PLAN	LOW		3	4/L8.03	MULTI-TRUNK FORM
SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	MAINTENANCE	SPACING	QTY	DETAIL	REMARKS
	ACH MIL	ACHILLEA MILLEFOLIUM / COMMON YARROW	1 GAL	LOW		24" o.c.	26	3/L8.03	
	AGA BL2	AGAVE X 'BLUE FLAME' / BLUE FLAME AGAVE	5 GAL	LOW		36" o.c.	16	3/L8.03	
	BAC PIG	BACCHARIS PILULARIS 'PIGEON POINT' / COYOTE BRUSH	5 GAL	LOW		72" o.c.	23	3/L8.03	
	BAC CEN	BACCHARIS X STERILE 'CENTENNIAL' / CENTENNIAL COYOTE BRUSH (STERILE HYBRID)	1 GAL	LOW		36" o.c.	130	3/L8.03	
	CAL DWA	CALLISTEMON VIMINALIS 'LITTLE JOHN' / DWARF WEEPING BOTTLEBRUSH	15 GAL	LOW		48" o.c.	9	3/L8.03	
	CEA YAN	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' / YANKEE POINT CARMEL CREEPER	5 GAL	LOW		48" o.c.	102	3/L8.03	
	CIS PRO	CISTUS SALVIIFOLIUS 'PROSTRATUS' / SAGELEAF ROCKROSE	5 GAL	LOW		60" o.c.	14	3/L8.03	
	COR DU2	CORREA X 'DUSKY BELLS' / AUSTALIAN FUCHSIA	5 GAL	LOW		24" o.c.	25	3/L8.03	
	LAN ALB	LANTANA MONTEVIDENSIS 'ALBA' / WHITE TRAILING LANTANA	5 GAL	LOW		36" o.c.	82	3/L8.03	
	LAU USO	LAURUS NOBILIS 'LITTLE RAGU' / SWEET BAY	15 GAL	MOD/LOW		48" o.c.	9	3/L8.03	
	LOM BRE	LOMANDRA LONGIFOLIA 'BREEZE' / DWARF MAT RUSH	5 GAL	LOW		42" o.c.	223	3/L8.03	
	ROS TUS	ROSMARINUS OFFICINALIS 'TUSCAN BLUE' / TUSCAN BLUE ROSEMARY	5 GAL	LOW		48" o.c.	27	3/L8.03	
	SAL WIN	SALVIA CLEVELANDII 'WINIFRED GILLMAN' / CLEVELAND SAGE	5 GAL	VERY LOW		48" o.c.	19	3/L8.03	
	SAL BAR	SALVIA LEUCANTHA 'SANTA BARBARA' / SANTA BARBARA MEXICAN BUSH SAGE	5 GAL	LOW		48" o.c.	45	3/L8.03	
	WES XLO	WESTRINGIA X 'LOW HORIZON' / LOW HORIZON COAST ROSEMARY	5 GAL	LOW		48" o.c.	104	3/L8.03	
	WES WYN	WESTRINGIA X 'WYNABBIE GEM' / WYNABBIE GEM COAST ROSEMARY	5 GAL	LOW		48" o.c.	4	3/L8.03	
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	MAINT.	SPACING	QTY	DETAIL	REMARKS
	CYN SGN	CYNODON DACTYLON TIFGREEN / TIFGREEN HYBRID BERMUDA	SOD	MODERATE			4,280 SF	1/L8.03	
	PREFERRED LOCATION OF SOIL SAMPLE EXTRACTION								

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION AND PLANTING DESIGN PLAN"

SIGNED

DATE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003
COLIN NO: 10370081

COMMISSIONED ARCHITECT

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BP/Architecture
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architecture
planning
interiors

CONSULTANT

STUDIO-
MLA

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Los Angeles, California 90033
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STAMPS/SEALS

SHEET TITLE:

PLANT SCHEDULE

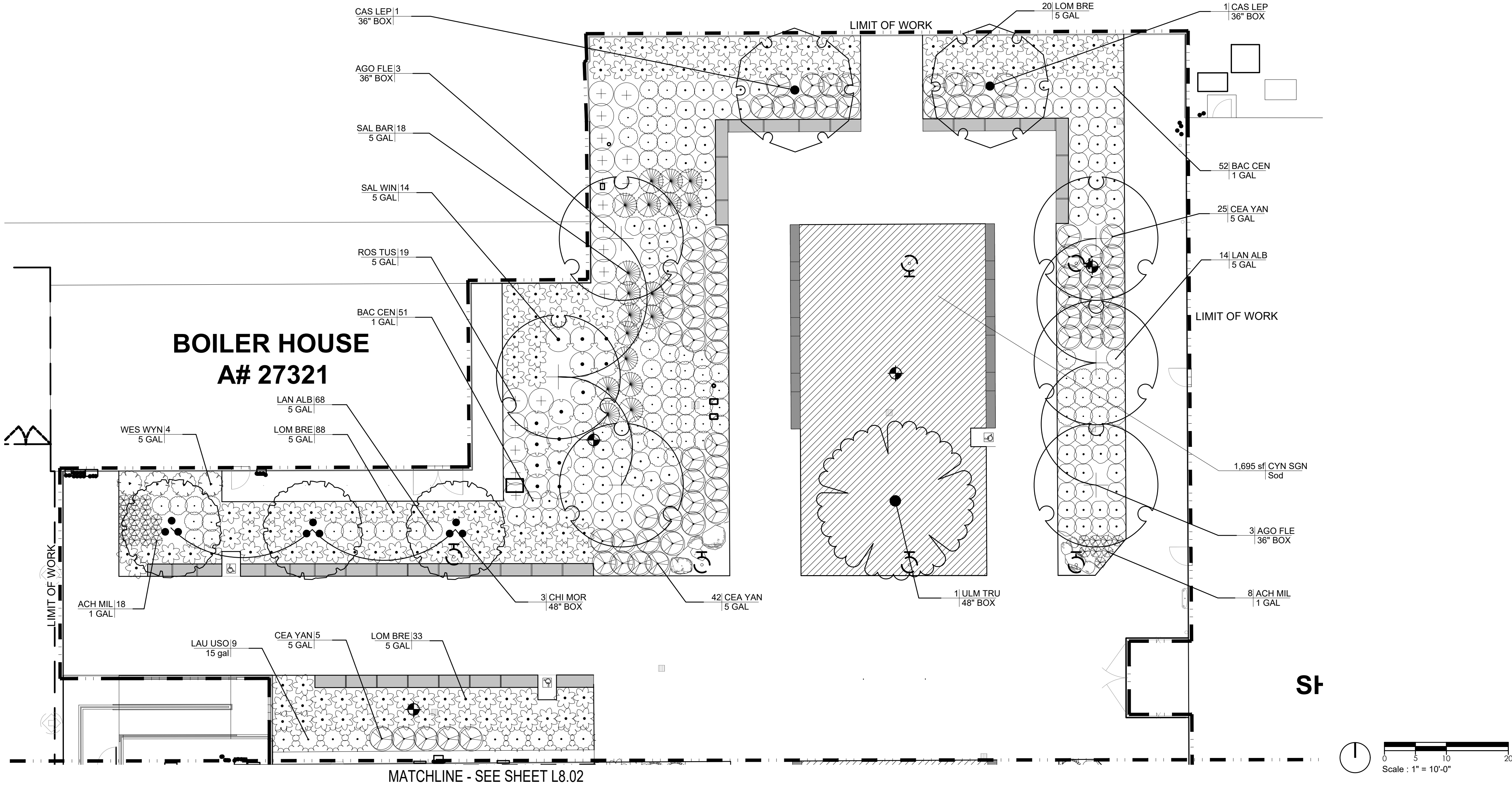
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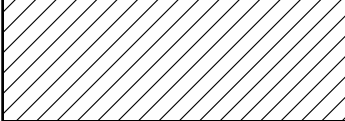

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L8.00B

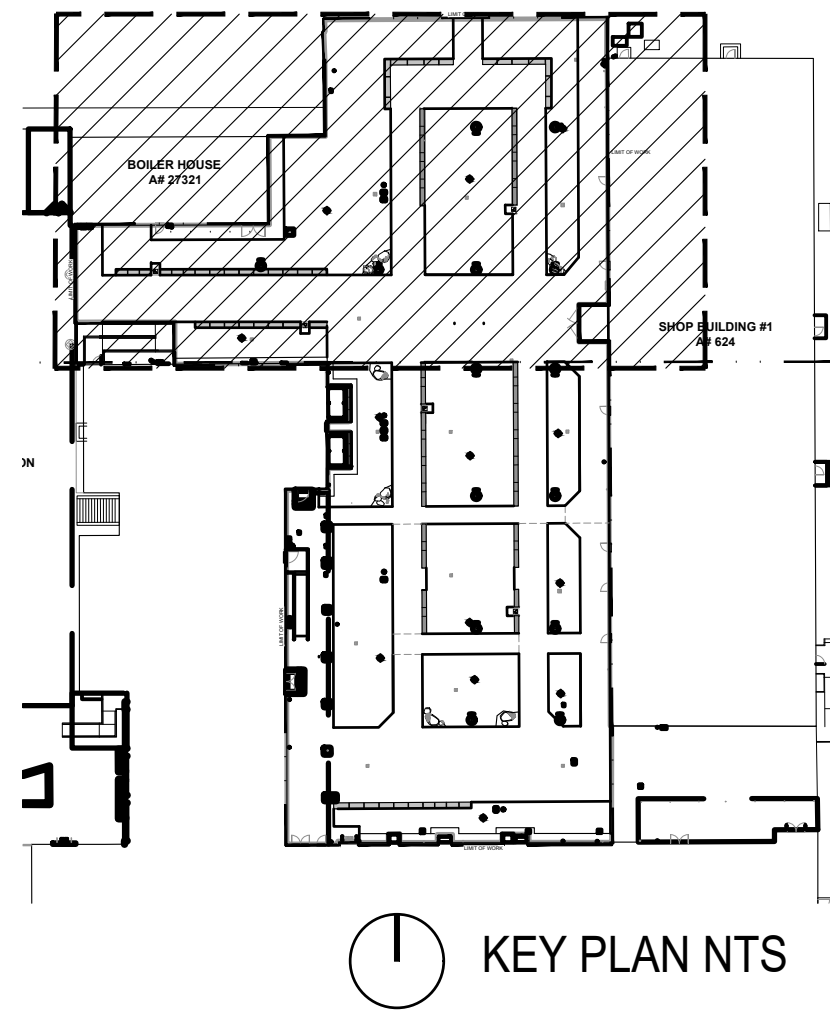
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PLANT SCHEDULE			
TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	AGO FLE	AGONIS FLEXUOSA / PEPPERMINT TREE	36" BOX
	CAS LEP	CASSIA LEPTOPHYLLA / GOLD MEDALLION TREE	36" BOX
	ULM TRU	ULMUS PARVIFOLIA 'TRUE GREEN' / TRUE GREEN LACEBARK ELM	48" BOX
	CHI MOR	X CHITALPA TASHKENTENSIS 'MORNING CLOUD' / MORNING CLOUD HYBRID DESERT WILLOW	48" BOX
SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT
	ACH MIL	ACHILLEA MILLEFOLIUM / COMMON YARROW	1 GAL
	BAC CEN	BACCHARIS X STERILE 'CENTENNIAL' / CENTENNIAL COYOTE BRUSH (STERILE HYBRID)	1 GAL
	CEA YAN	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' / YANKEE POINT CARMEL CREEPER	5 GAL
	LAN ALB	LANTANA MONTEVIDENSIS 'ALBA' / WHITE TRAILING LANTANA	5 GAL
	LAU USO	LAURUS NOBILIS 'LITTLE RAGU' / SWEET BAY	15 GAL
	LOM BRE	LOMANDRA LONGIFOLIA 'BREEZE' / DWARF MAT RUSH	5 GAL

	ROS TUS	ROSMARINUS OFFICINALIS 'TUSCAN BLUE' / TUSCAN BLUE ROSEMARY	5 GAL
	SAL WIN	SALVIA CLEVELANDII 'WINIFRED GILLMAN' / CLEVELAND SAGE	5 GAL
	SAL BAR	SALVIA LEUCANTHA 'SANTA BARBARA' / SANTA BARBARA MEXICAN BUSH SAGE	5 GAL
	WES WYN	WESTRINGIA X 'WYNABBIE GEM' / WYNABBIE GEM COAST ROSEMARY	5 GAL
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONT
	CYN SGN	CYNODON DACTYLON TIFGREEN / TIFGREEN HYBRID BERMUDA	SOD
	PREFERRED LOCATION OF SOIL SAMPLE EXTRACTION		

NOTE: SEE L8.00B FOR COMPLETE SCHEDULE



DIVISION OF THE STATE ARCHITECT

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DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION
BETHUNE MIDDLE SCHOOL
QUAD REDESIGN
155 W 69TH STREET
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COLIN NO: 10370081

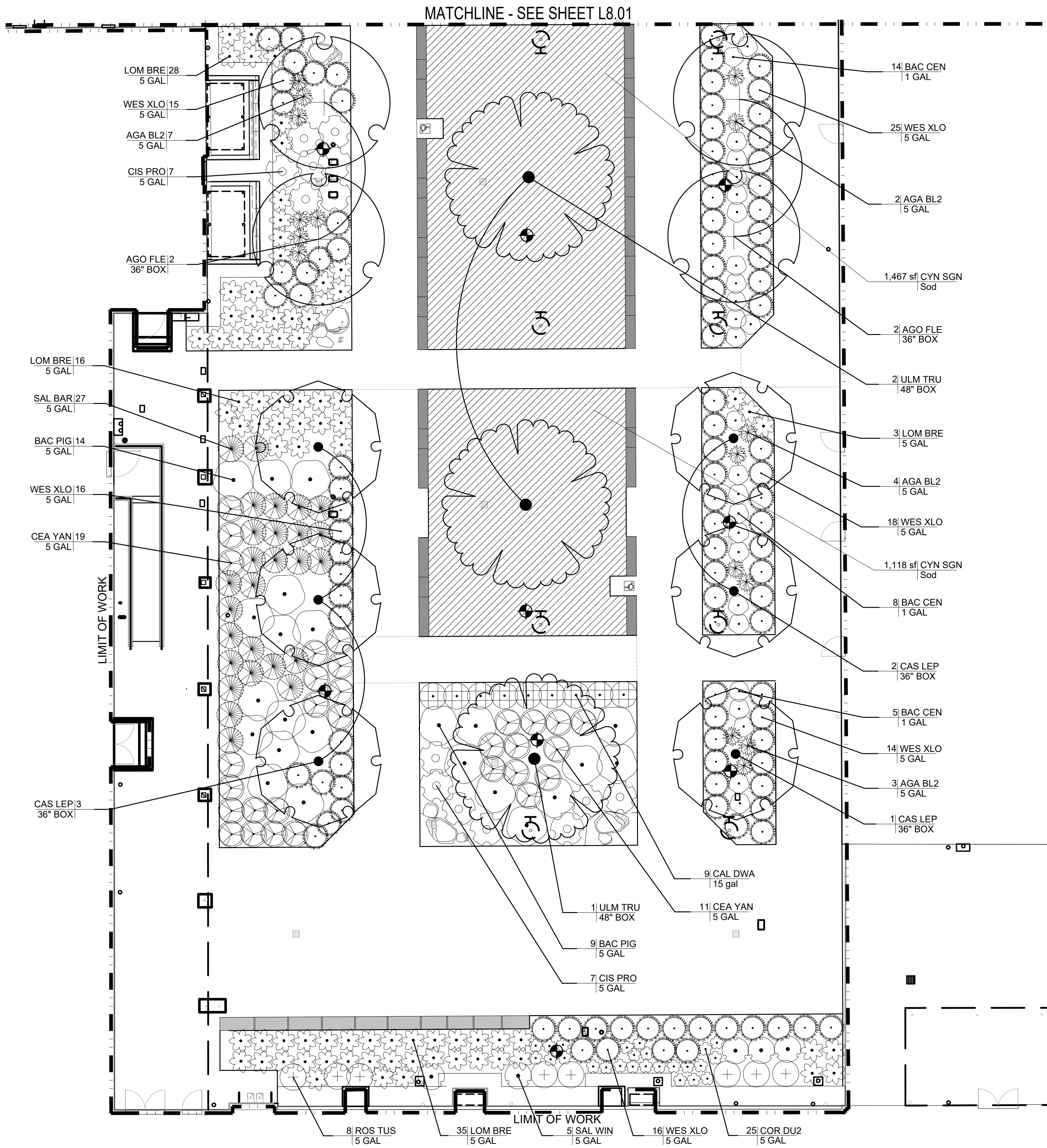
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LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
STATE OF CALIFORNIA

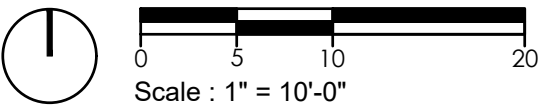
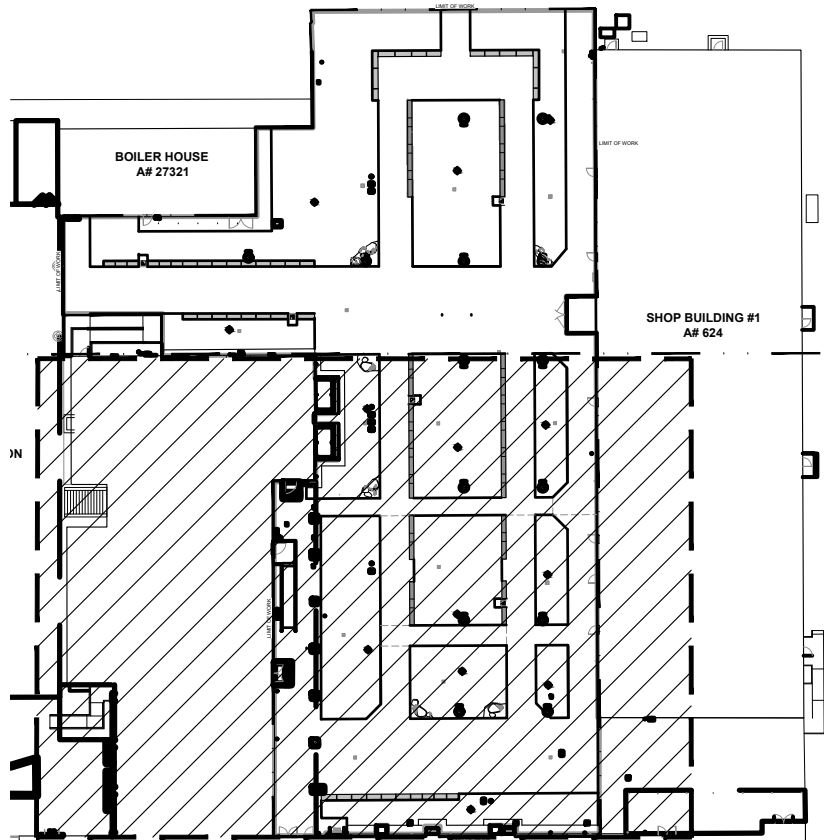
SHEET TITLE:
PLANTING PLAN

PROJECT NO.: 21011.11 PROJECT ARCH:
DRAWN: CHECKED:
SHEET NUMBER
L8.01
DATE: 07/05/2023 SHEET: OF:



PLANT SCHEDULE			
TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	AGO FLE	AGONIS FLEXUOSA / PEPPERMINT TREE	36" BOX
	CAS LEP	CASSIA LEPTOPHYLLA / GOLD MEDALLION TREE	36" BOX
	ULM TRU	ULMUS PARVIFOLIA 'TRUE GREEN' / TRUE GREEN LACEBARK ELM	48" BOX
SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT
	AGA BL2	AGAVE X 'BLUE FLAME' / BLUE FLAME AGAVE	5 GAL
	BAC PIG	BACCHARIS PILULARIS 'PIGEON POINT' / COYOTE BRUSH	5 GAL
	BAC CEN	BACCHARIS X STERILE 'CENTENNIAL' / CENTENNIAL COYOTE BRUSH (STERILE HYBRID)	1 GAL
	CAL DWA	CALLISTEMON VIMINALIS 'LITTLE JOHN' / DWARF WEEPING BOTTLEBRUSH	15 GAL
	CEA YAN	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' / YANKEE POINT CARMEL CREEPER	5 GAL
	CIS PRO	CISTUS SALVIIFOLIUS 'PROSTRATUS' / SAGELEAF ROCKROSE	5 GAL
	COR DU2	CORREA X 'DUSKY BELLS' / AUSTALIAN FUCHSIA	5 GAL
	LOM BRE	LOMANDRA LONGIFOLIA 'BREEZE' / DWARF MAT RUSH	5 GAL
	ROS TUS	ROSMARINUS OFFICINALIS 'TUSCAN BLUE' / TUSCAN BLUE ROSEMARY	5 GAL
	SAL WIN	SALVIA CLEVELANDII 'WINIFRED GILLMAN' / CLEVELAND SAGE	5 GAL
	SAL BAR	SALVIA LEUCANTHA 'SANTA BARBARA' / SANTA BARBARA MEXICAN BUSH SAGE	5 GAL
	WES XLO	WESTRINGIA X 'LOW HORIZON' / LOW HORIZON COAST ROSEMARY	5 GAL
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONT
	CYN SGN	CYNODON DACTYLON TIFGREEN / TIFGREEN HYBRID BERMUDA	SOD
PREFERRED LOCATION OF SOIL SAMPLE EXTRACTION			

NOTE: SEE L8.00B FOR COMPLETE SCHEDULE



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT

FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET

LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP

architecture

planning

interiors

BP/Architecture

4611 Teller Avenue

Newport Beach, CA 92660

ph: 949.673.0300 fx: 949.732.3895

CONSULTANT

STUDIO-MLA

251 South Mission Road

Los Angeles, California 90033

T. 213.384.3844 studio-mla.com

STAMPS/SEALS

SHEET TITLE:

PLANTING PLAN

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

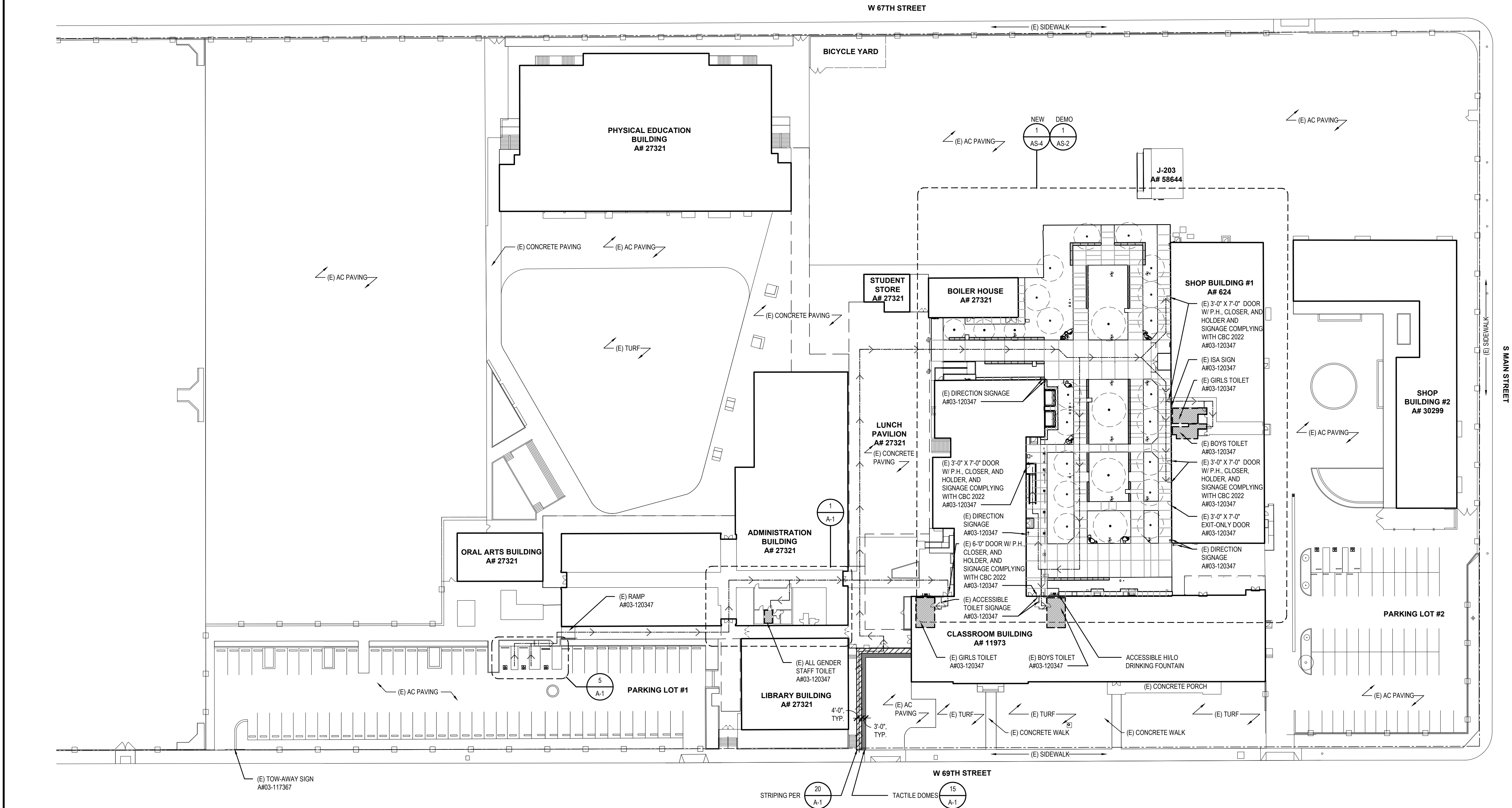
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SHEET NUMBER

L8.02

DATE: 07/05/2023

SHEET: OF:



APPLICATION NO.	CERTIFICATION STATUS	CERTIFICATION DATE	APPLICATION NO.	CERTIFICATION STATUS	CERTIFICATION DATE
624	CERTIFIED	JULY 1966	03-117367	CERTIFIED	12/09/2016
85644	CERTIFIED	02/09/2000	03-120347	CERTIFIED	04/20/2023
27321	CERTIFIED	06/21/2001			
11973	CERTIFIED	05/16/2008			
55649	CERTIFIED	06/17/2009			
30299	CERTIFIED	05/17/2012			

→ (E) PATH OF TRAVEL - A#03-120347

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. ARCHITECT HAS VERIFIED P.O.T. IS BARRIER FREE.

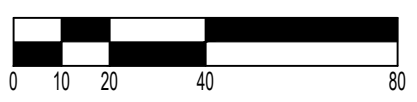
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION

TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

PATH OF TRAVEL (P.O.T.) AS VERIFIED BY ARCHITECT IS:

- A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.
- THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH.
- PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART.
- CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART.
- CROSS-SLOPE DOES NOT EXCEED 2%.
- SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED AS A RAMP.
- MAINTAIN POT FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER THAN 4", PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE.

PARKING COUNT	
PARKING LOT #1	70
TOTAL SPACES:	2
STANDARD ACCESSIBLE:	1
VAN:	1



1 OVERALL SITE PLAN

SCALE: 1"=40'-0"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

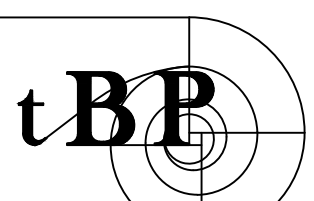
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT

STAMPS/SEALS



SHEET TITLE:

OVERALL
SITE PLAN

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

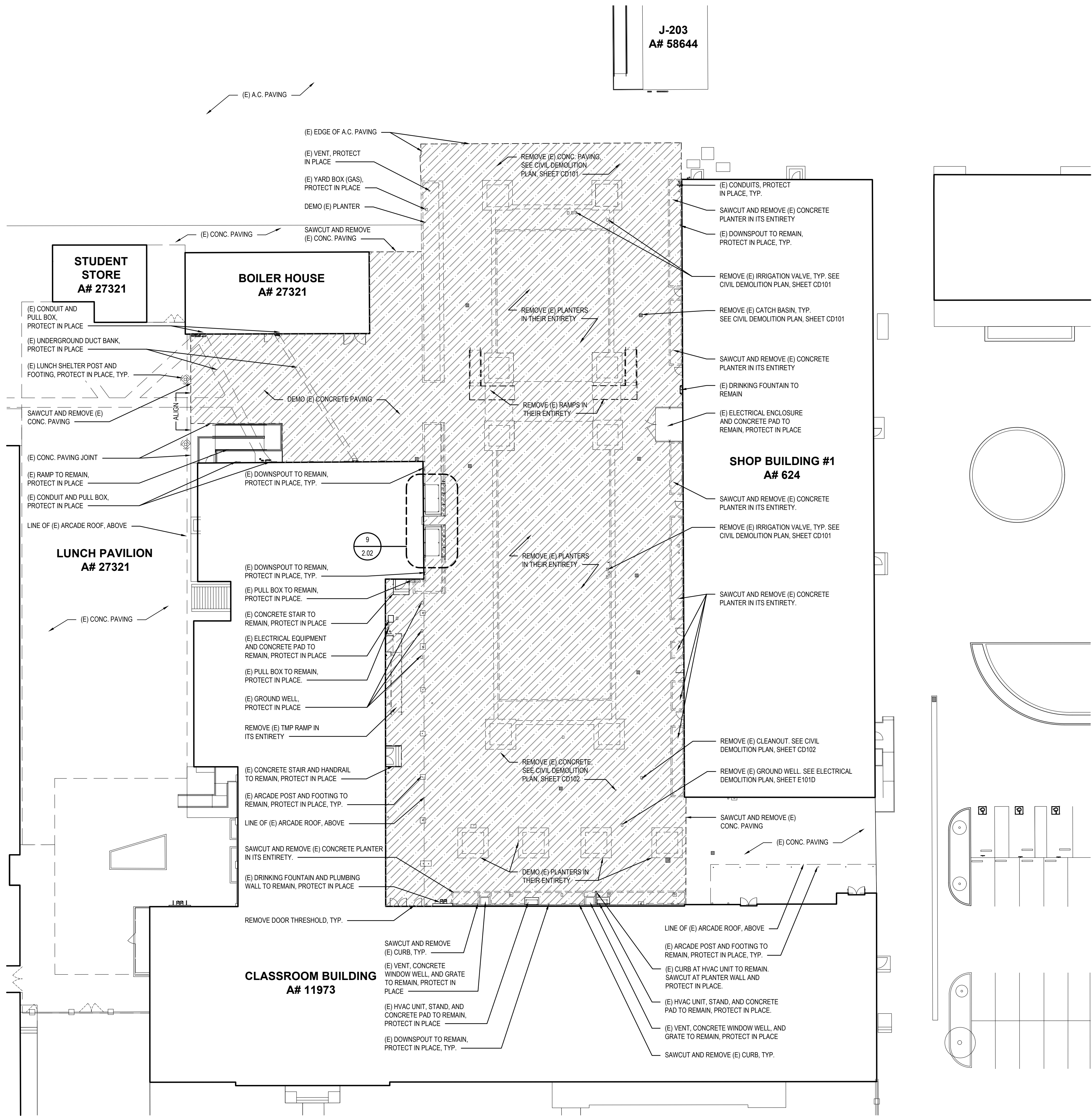
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SHEET NUMBER

AS-1

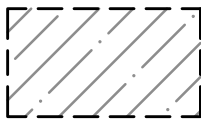
DATE: 07/05/2023

SHEET: OF:



LEGEND

LIMIT OF WORK



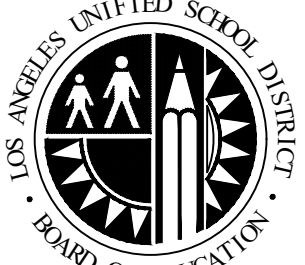
GENERAL NOTE

1. LOCATION OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2. WHERE DEMOLITION OR REMOVAL WORK OCCURS, TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ELEMENTS TO REMAIN. FINISHED WORK DAMAGED BY OPERATIONS UNDER DEMOLITION CONTRACT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF OWNER AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
3. DISPOSITION OF MATERIALS: PROMPTLY REMOVE FROM THE SITE ALL MATERIALS RESULTING FROM DEMOLITION WHICH ARE NOT TO BE REUSED.
4. COORDINATE REMOVAL OF ALL ELECTRICAL FIXTURES, CONDUITS, AND JUNCTION BOXES WITH ELECTRICAL CONTRACTOR.
5. REFER TO ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION.
6. REFER TO CIVIL AND UTILITY PLANS FOR ADDITIONAL DEMOLITION WORK AND COODINATION FOR TERMINATION POINTS OF UTILITIES.
7. CAP ALL UTILITIES AS REQUIRED.
8. WHERE AN EXISTING REQUIRED FIRE PROTECTION SYSTEM WILL BE TEMPORARILY OUT OF SERVICE DUE TO CONSTRUCTION ACTIVITIES, COMPLY WITH CFC SECTIONS 1408 AND 901.
9. ALL DEMOLITION SHALL COMPLY WITH CH. 34 OF THE CBC AND ARTICLE 87 CFC.
10. NO DEMOLITION SHALL BEGIN UNTIL PLANS, INCLUDING THE DEMOLITION WORK, HAVE BEEN APPROVED BY DSA.
11. CONTRACTOR TO DESIGN SHORING FOR EXSTING FOOTINGS AND FOUNDATIONS, AND PROVIDE SHORING AS REQUIRED.

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
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A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

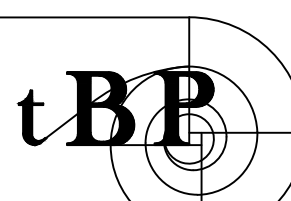
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT

STAMPS/SEALS



SHEET TITLE:

ENLARGED
SITE DEMO PLAN

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

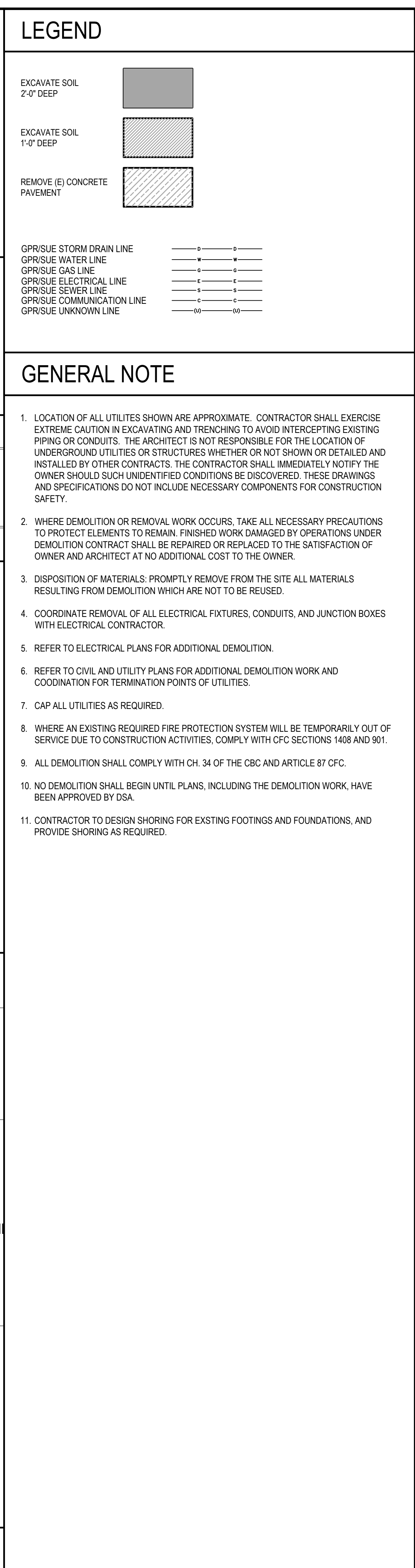
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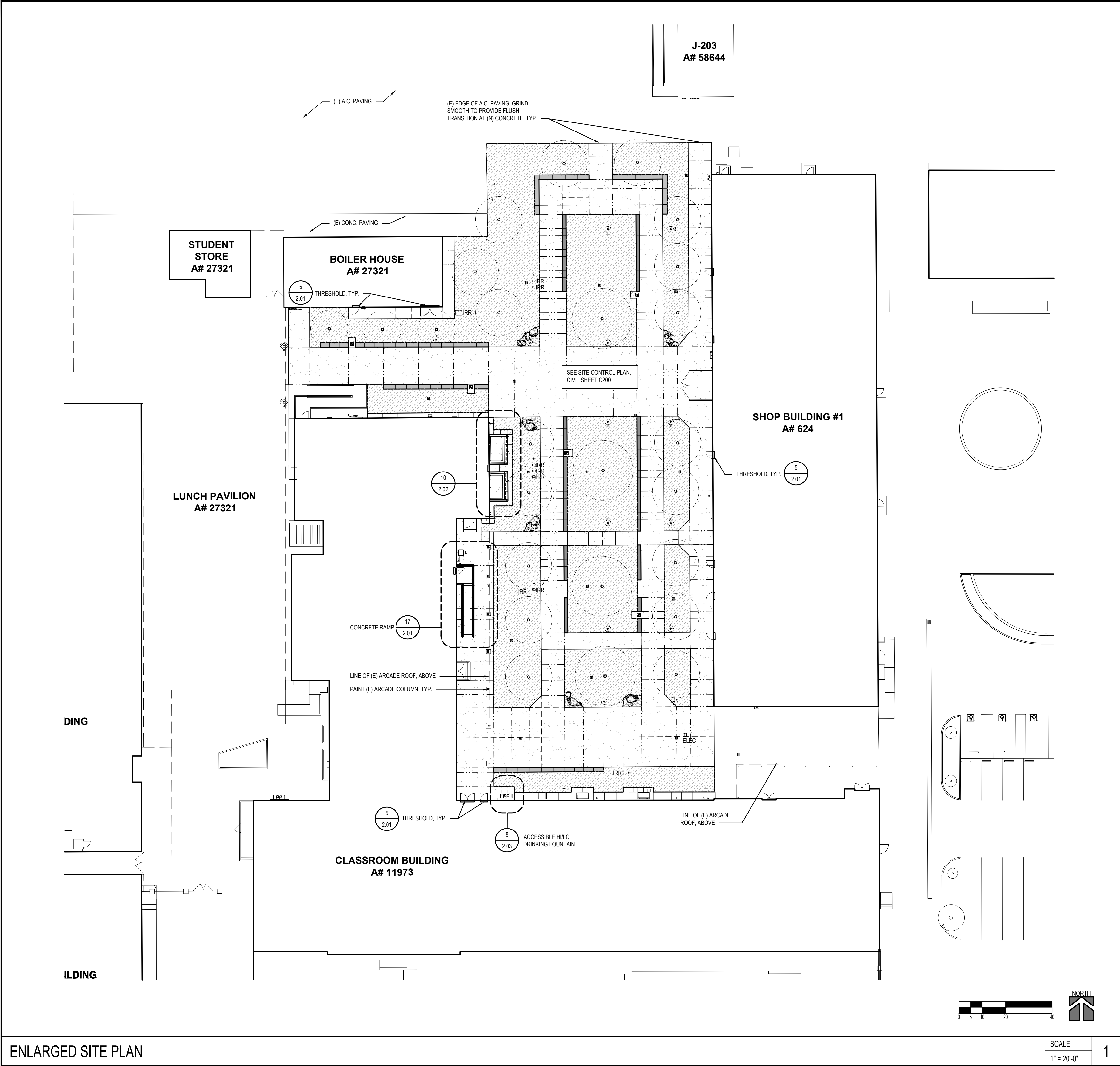
SHEET NUMBER

AS-2

DATE: 07/05/2023

SHEET: OF:





LEGEND

PAVED AREA
SEE LANDSCAPE CONSTRUCTION
PLAN, SHEETS L2.01 & L2.02

PLANTED AREA
SEE LANDSCAPE PLANTING PLAN,
SHEETS L8.01 & L8.02

DECOMPOSED GRANITE
SEE LANDSCAPE CONSTRUCTION
PLAN, SHEETS L2.01 & L2.02

BOULDER
SEE LANDSCAPE CONSTRUCTION
PLAN, SHEETS L2.01 & L2.02

SEAT WALL WITH ADA SEATING
SEE LANDSCAPE LAYOUT PLAN,
SHEETS L2.10 & L2.11

CATCH BASIN
SEE CIVIL UTILITY PLAN, SHEET C400

ELECTRICAL YARDBOX
SEE ELECTRICAL SITE PLAN, SHEET E101

IRRIGATION EQUIPMENT
SEE IRRIGATION PLAN, SHEETS
L7.01 & L7.02

LIGHT FIXTURE
SEE LIGHTING PLAN, SHEET E201

TREE
SEE PLANTING PLAN, SHEETS
L8.01 & L8.02

0 5 10 20 40

1" = 20'-0"

NORTH

ENLARGED
SITE PLAN

AS-4

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
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LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP

tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

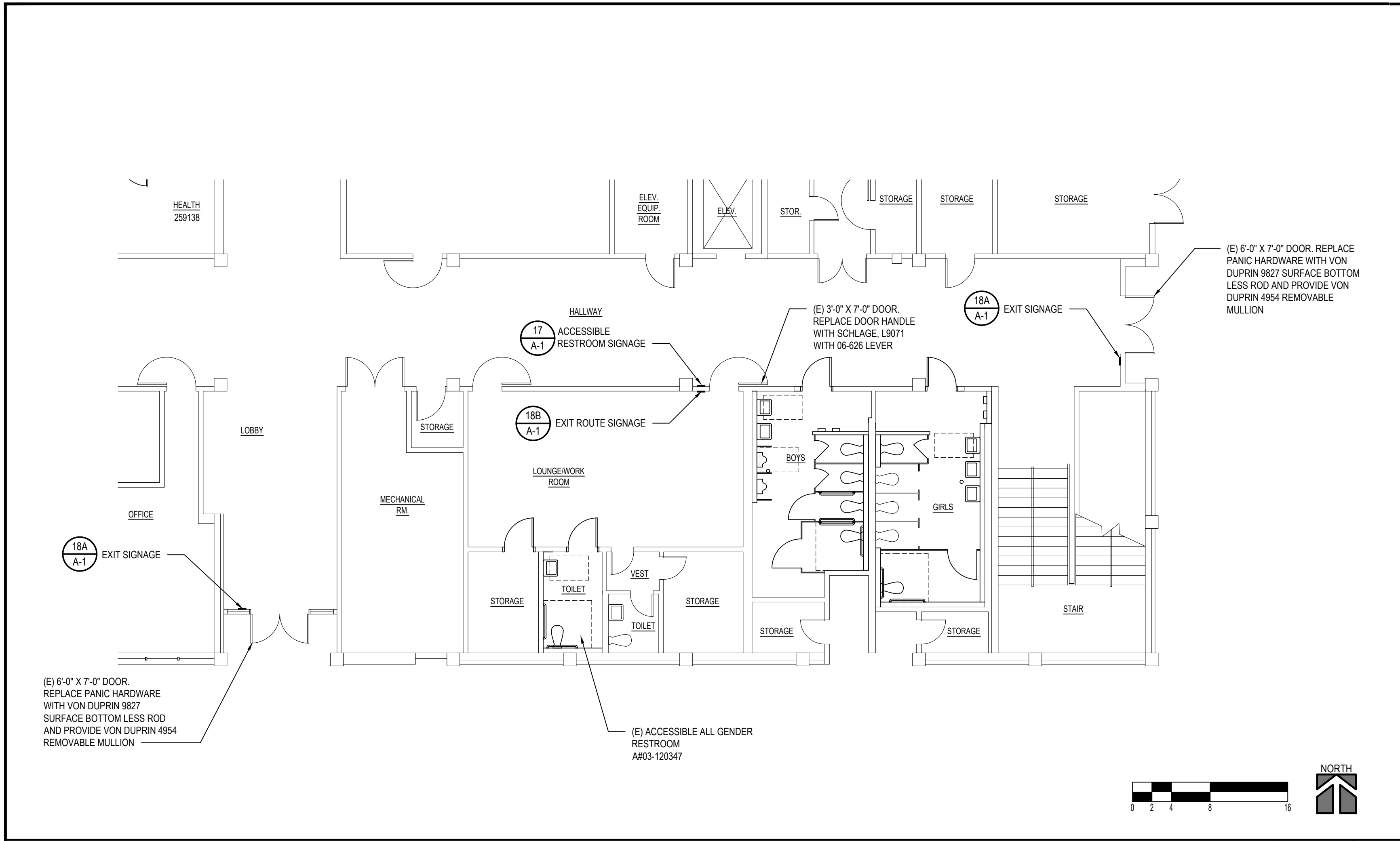
CONSULTANT

STAMPS/SEALS

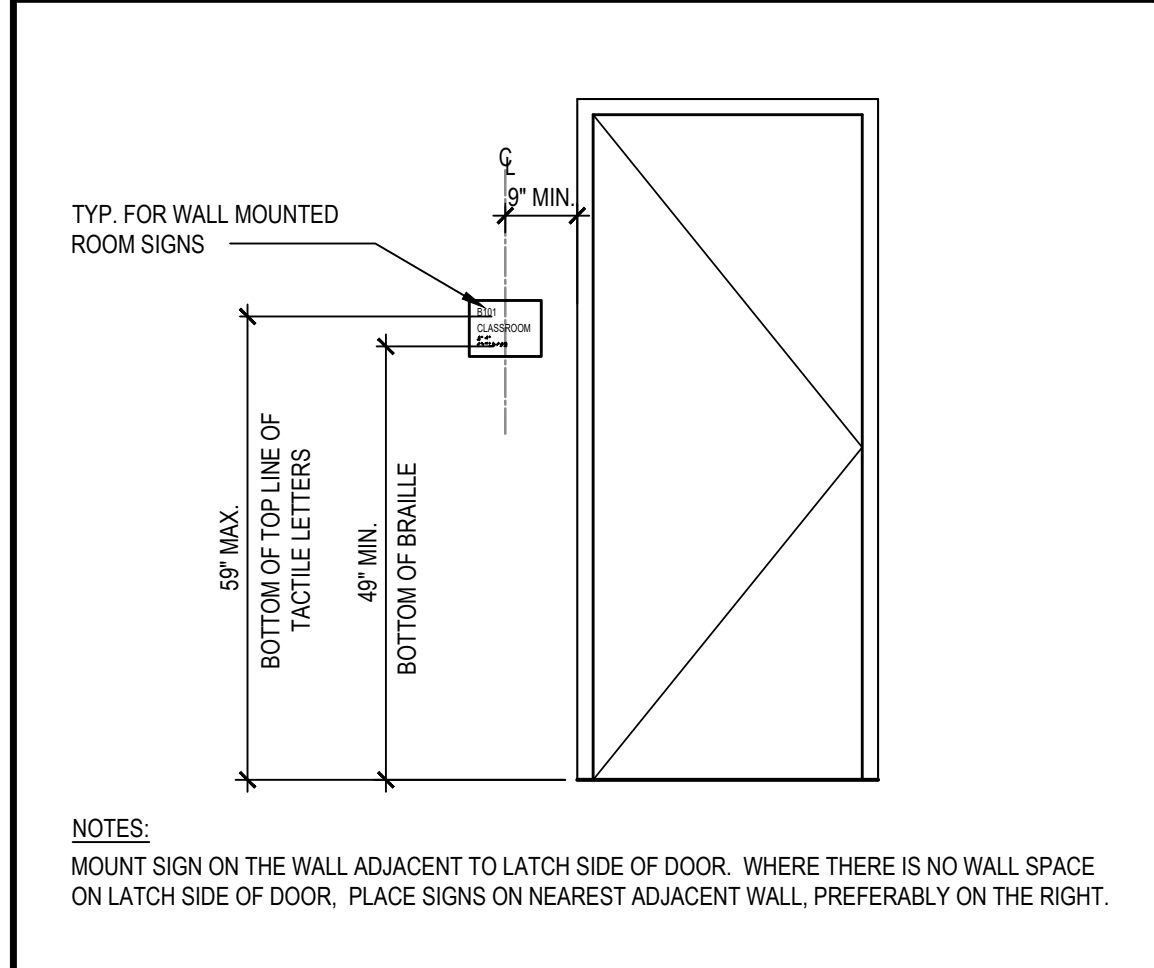
LICENSED ARCHITECT
KIMBERLY L. CHEN
NO. C34187
EXPI. 4-30-25
STATE OF CALIFORNIA

PROJECT NO.: 21011.11
PROJECT ARCH:
DRAWN:
CHECKED:
SHEET NUMBER

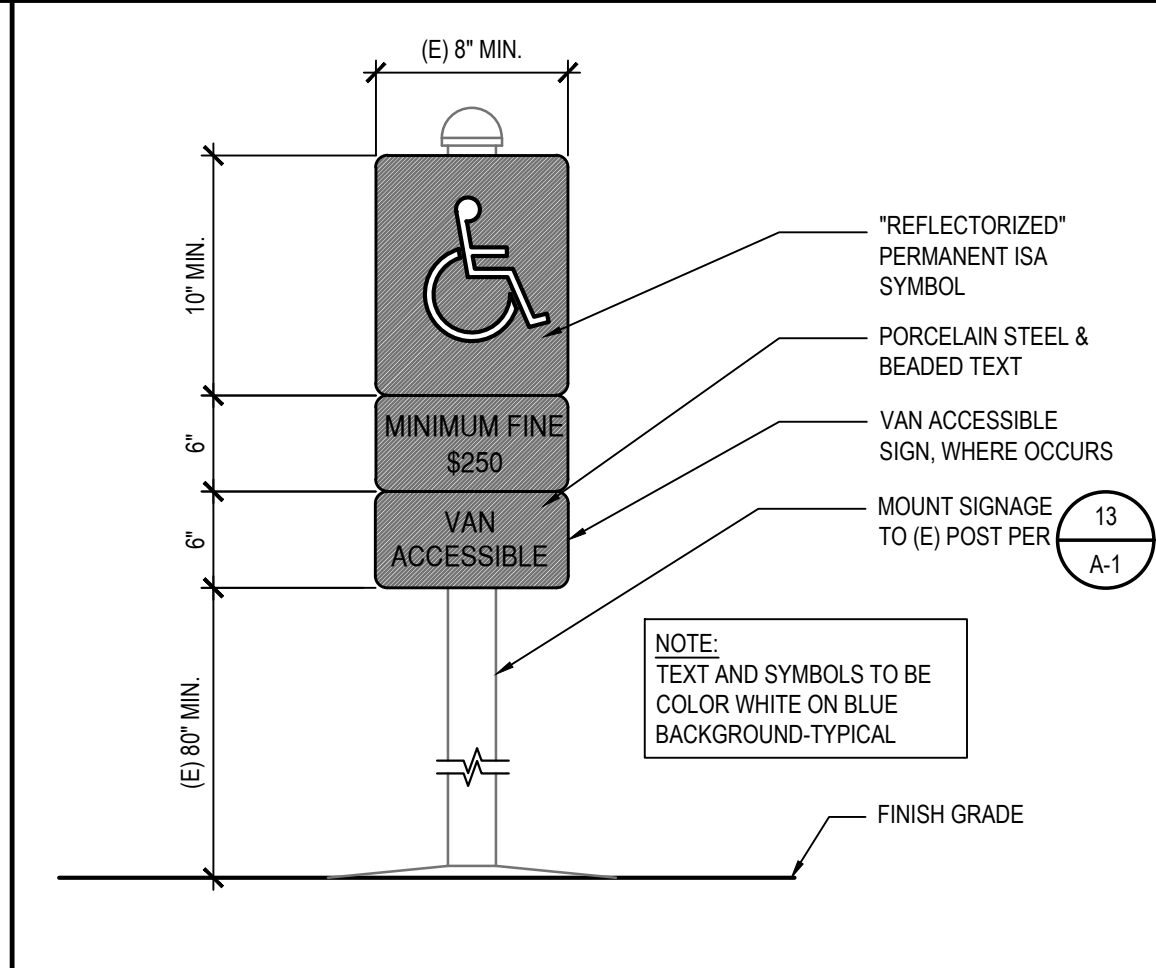
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SHEET: OF:



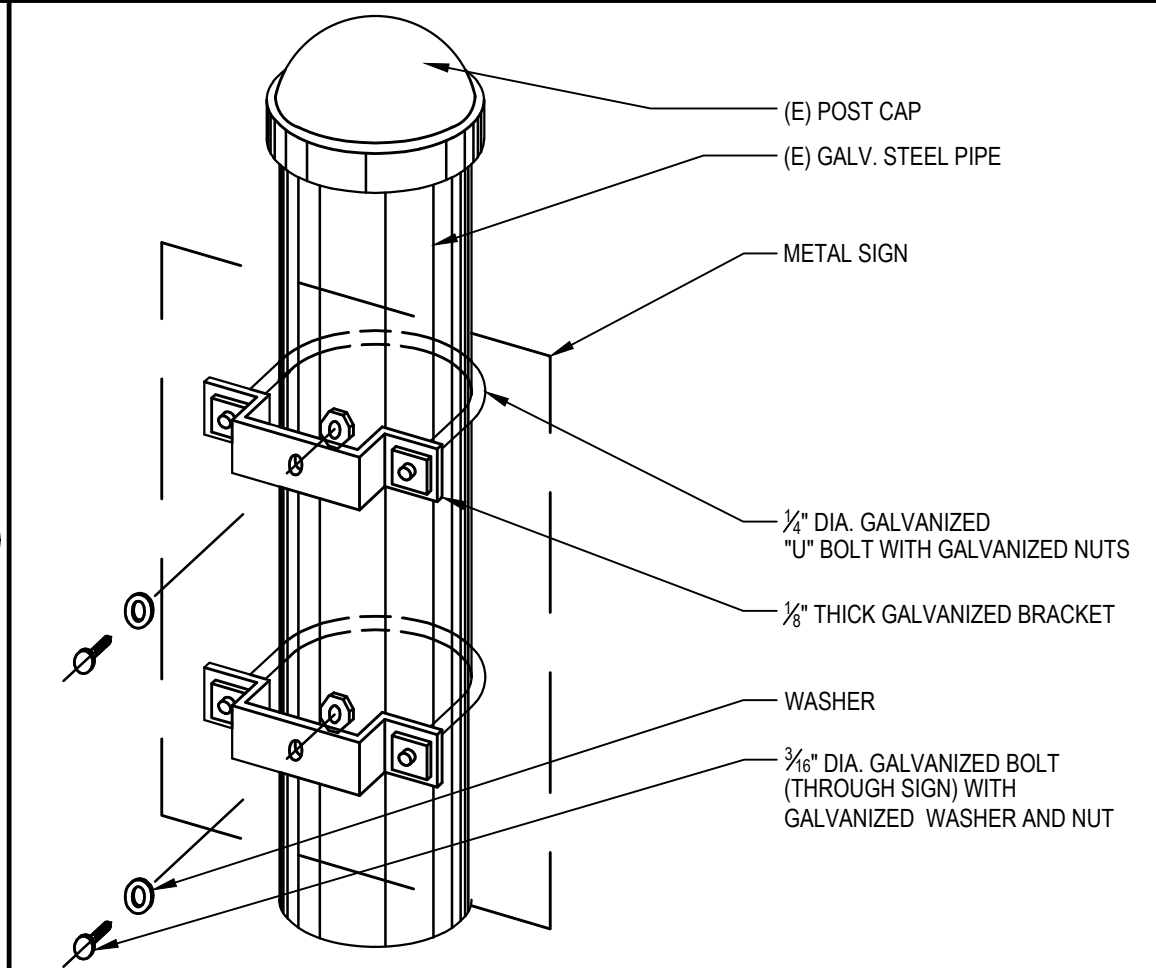
PARTIAL FLOOR PLAN - ADMINISTRATION BUILDING



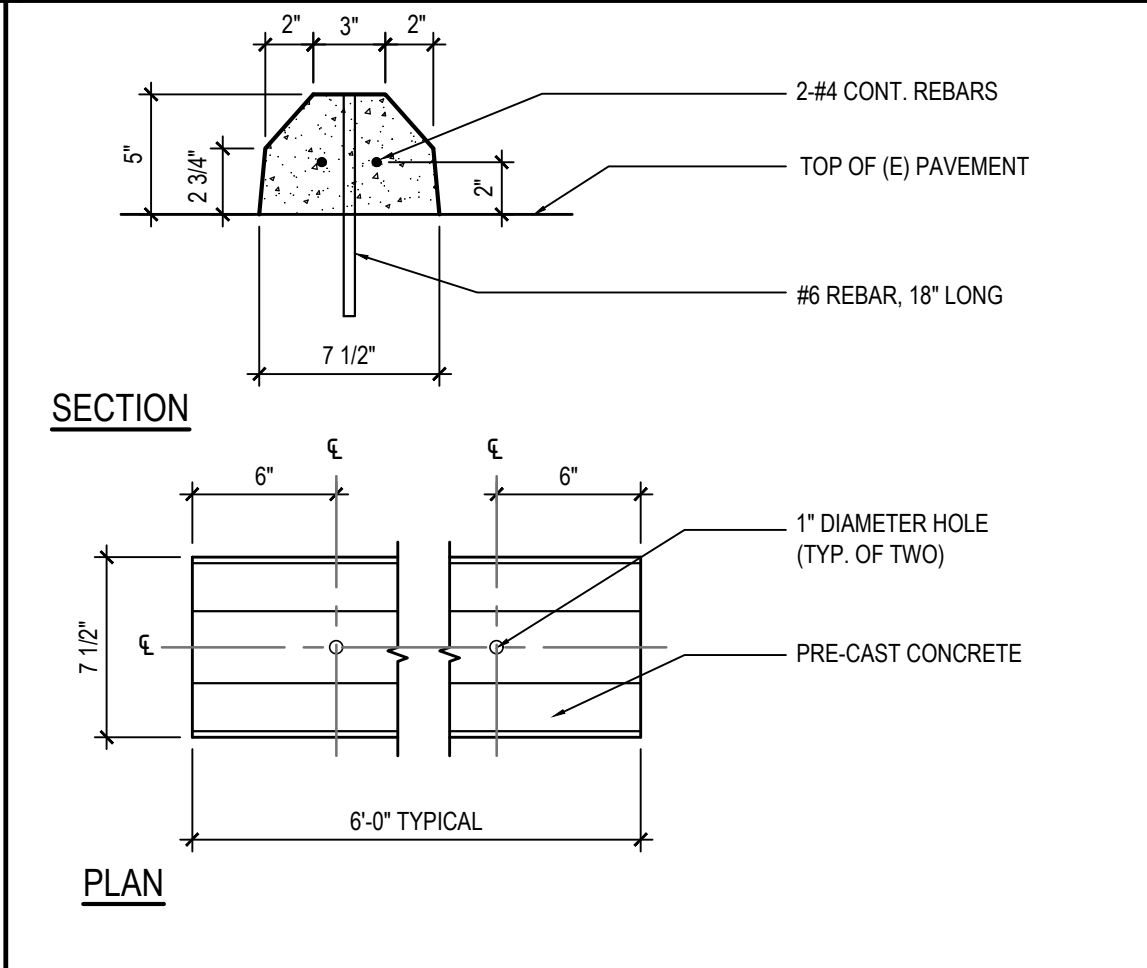
SIGNAGE LOCATION LEGEND



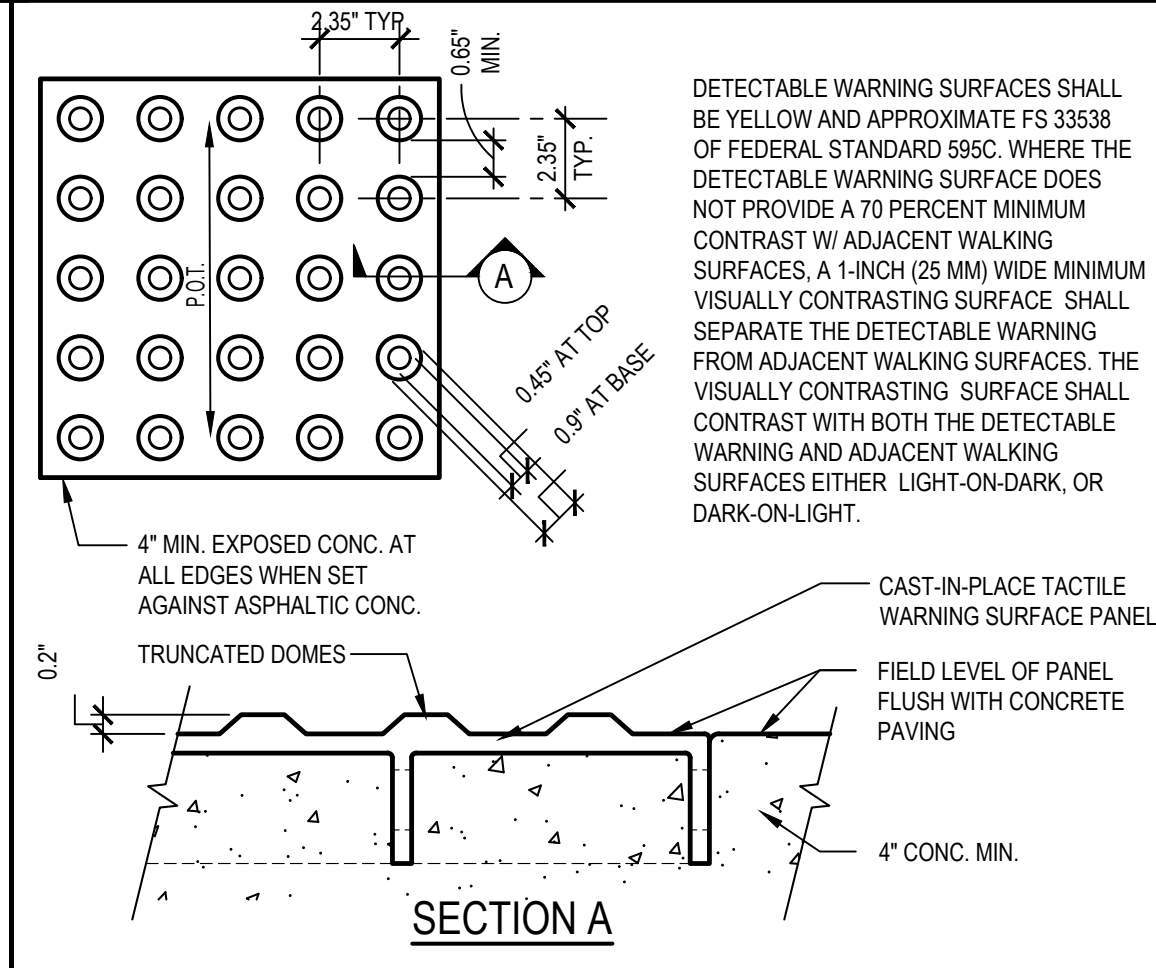
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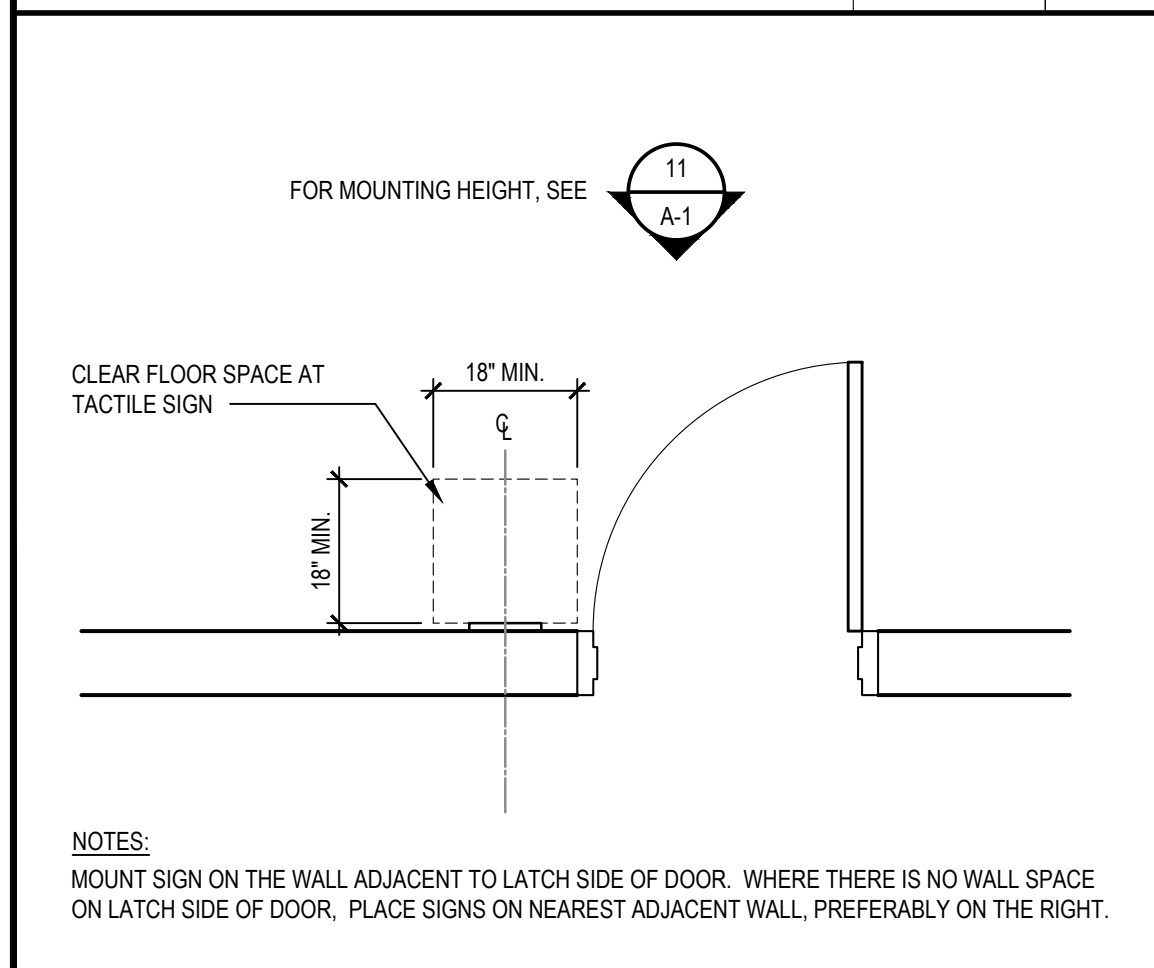
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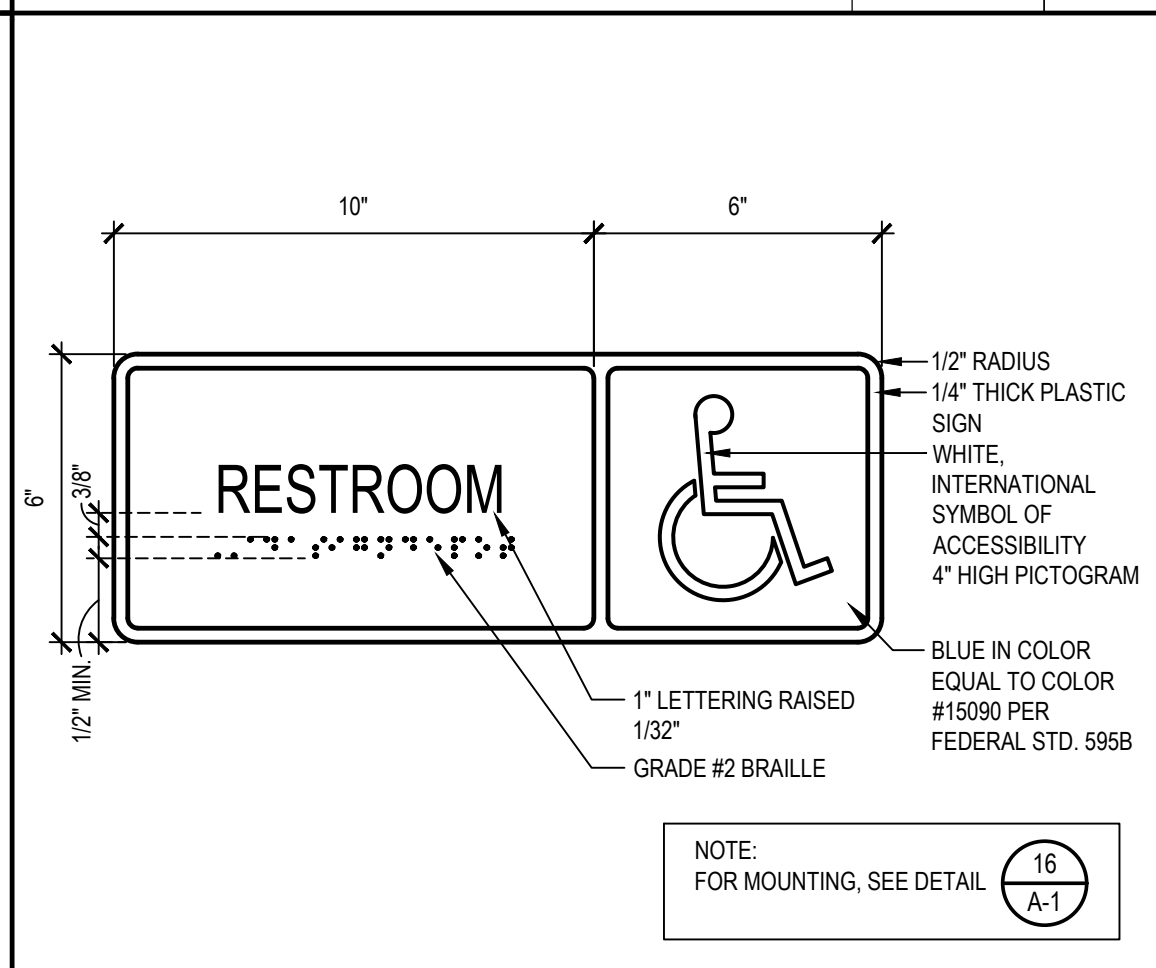
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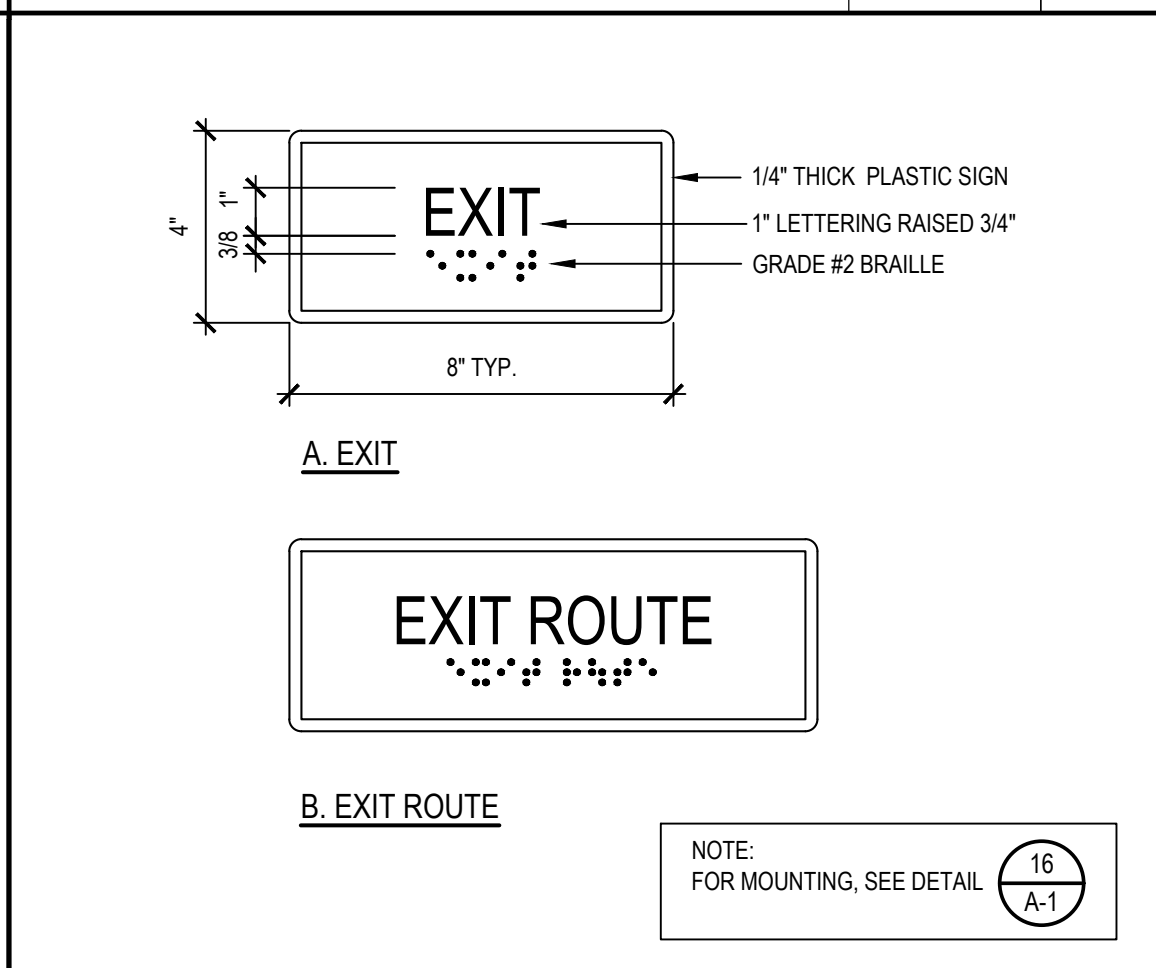
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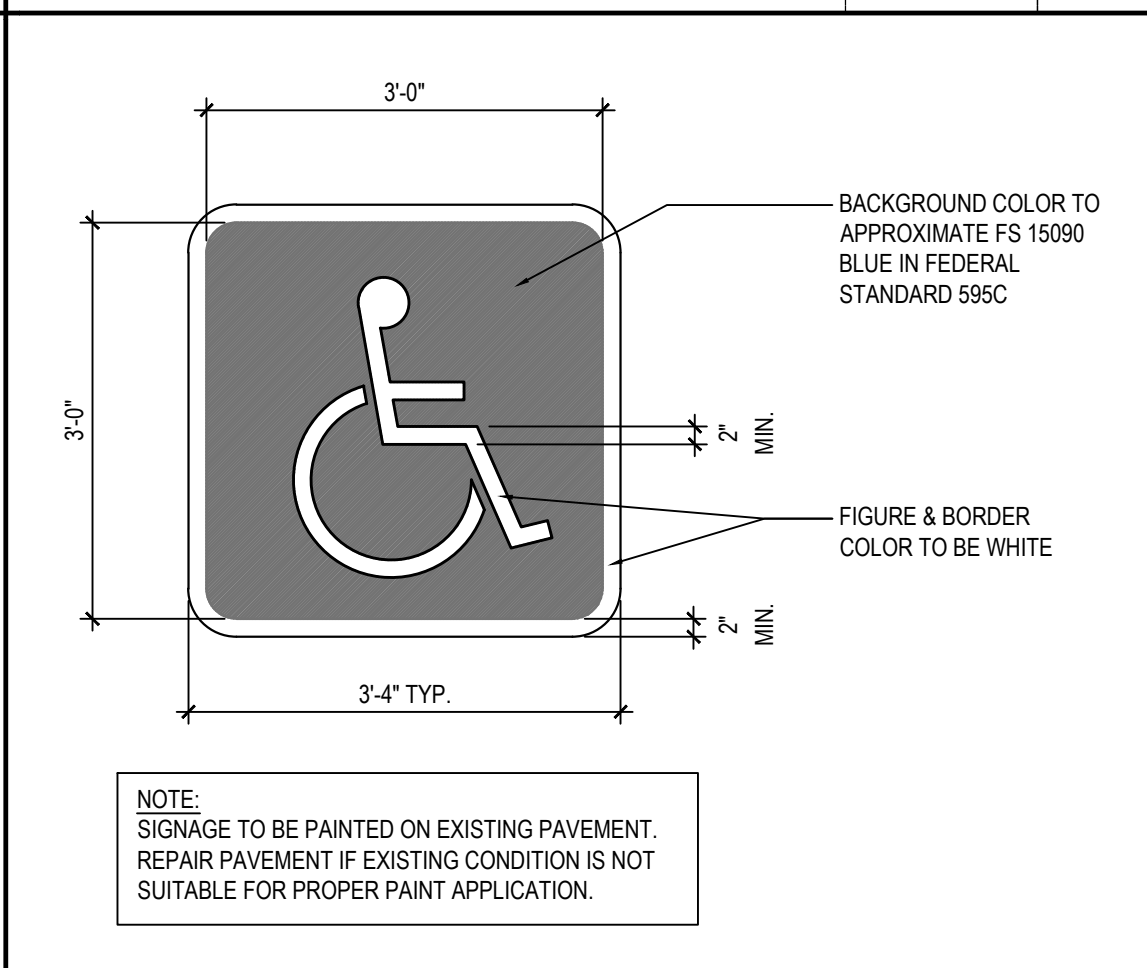
SIGNAGE LOCATION LEGEND



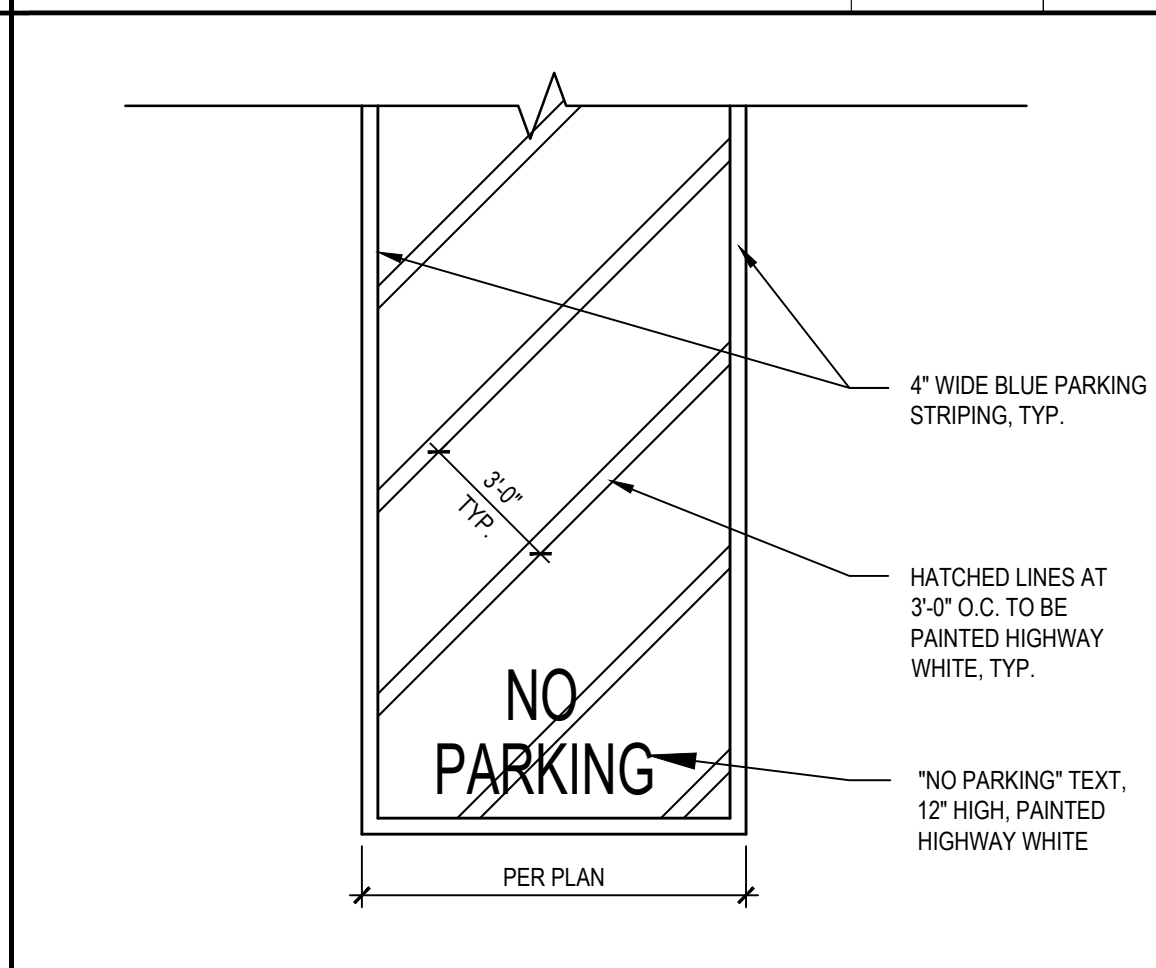
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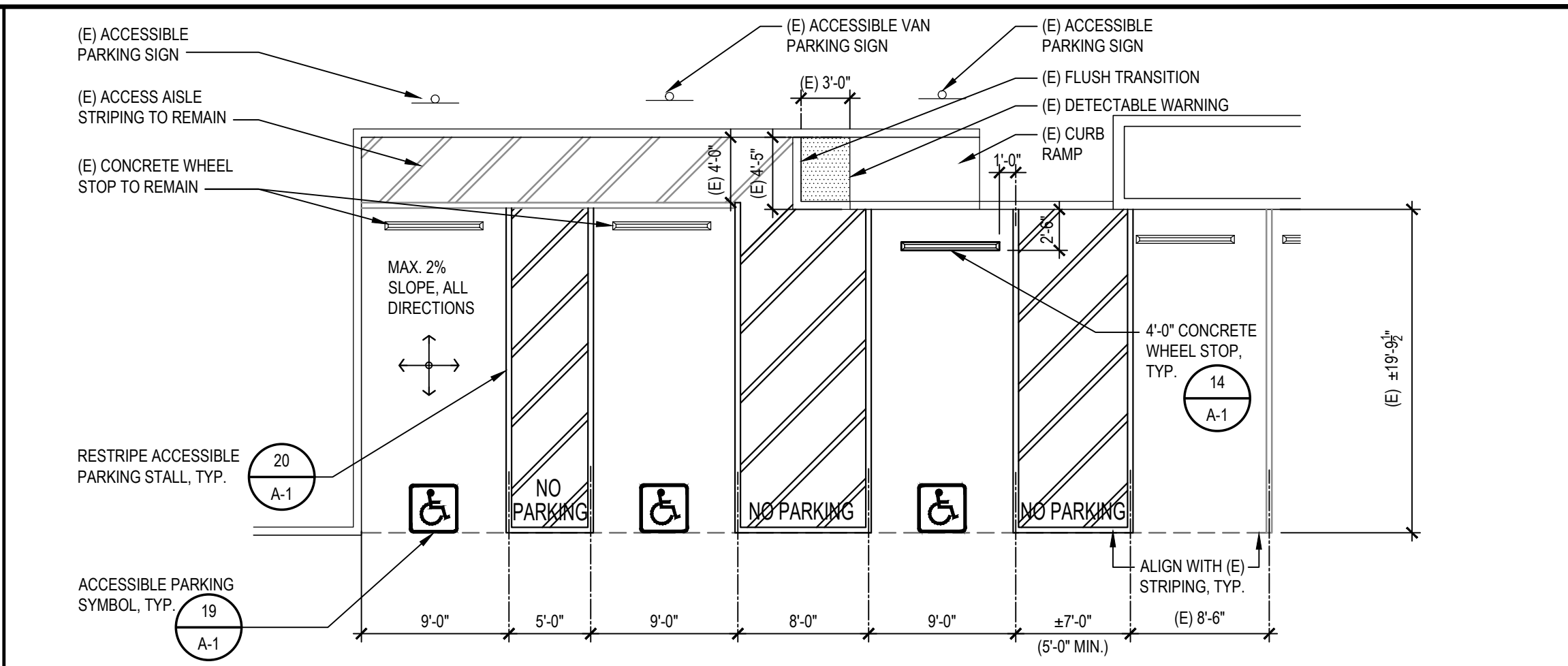
EXIT SIGNAGES



PAVEMENT SIGN



TYPICAL STRIPING



(E) ACCESSIBLE STALL

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP

Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT

LICENSED ARCHITECT

DAVID L. CHEN
No. C34187
Exp. 4-30-26
STATE OF CALIFORNIA

STAMPS/SEALS

PROJECT NO: 21011.11

PROJECT ARCH:

DRAWN:

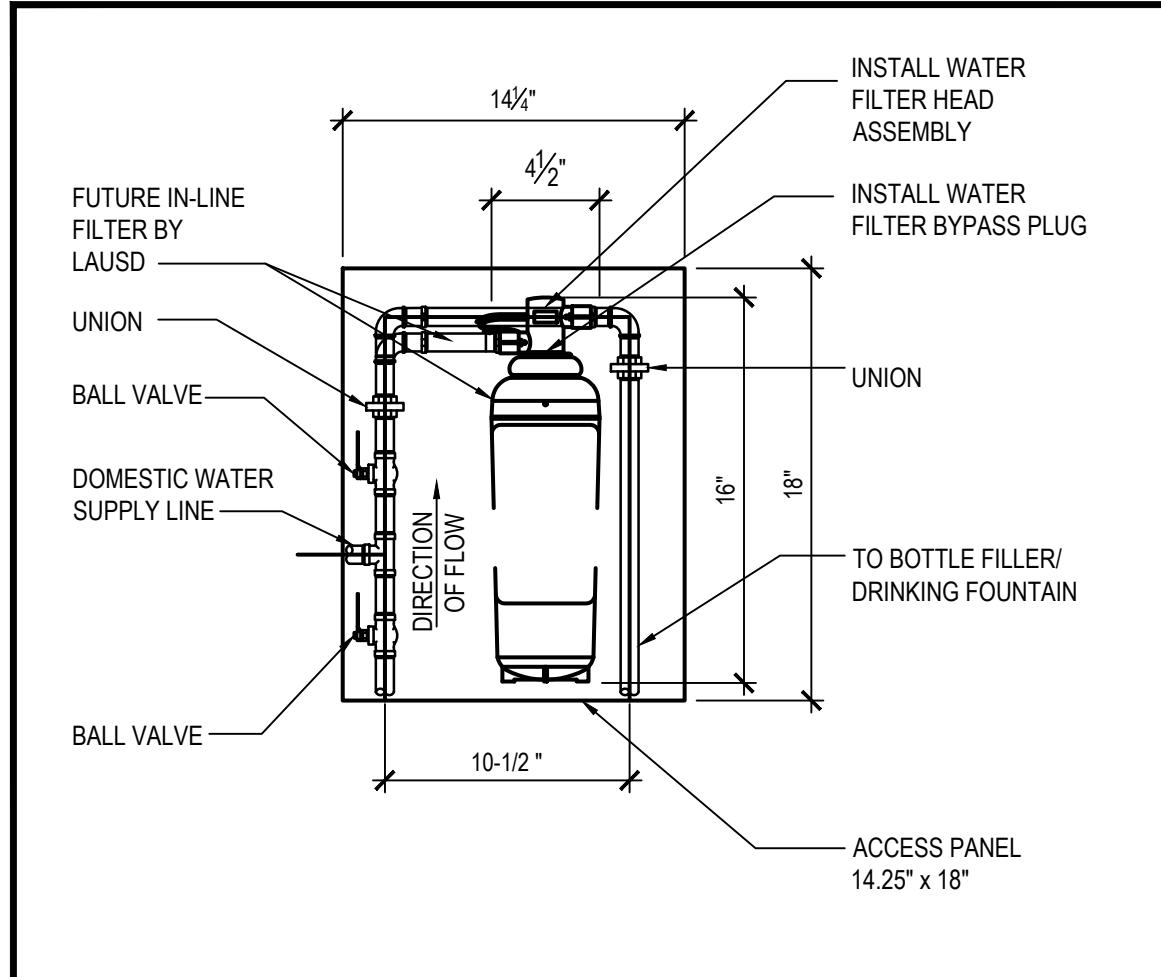
CHECKED:

SHEET NUMBER

A-1

DATE: 07/05/2023

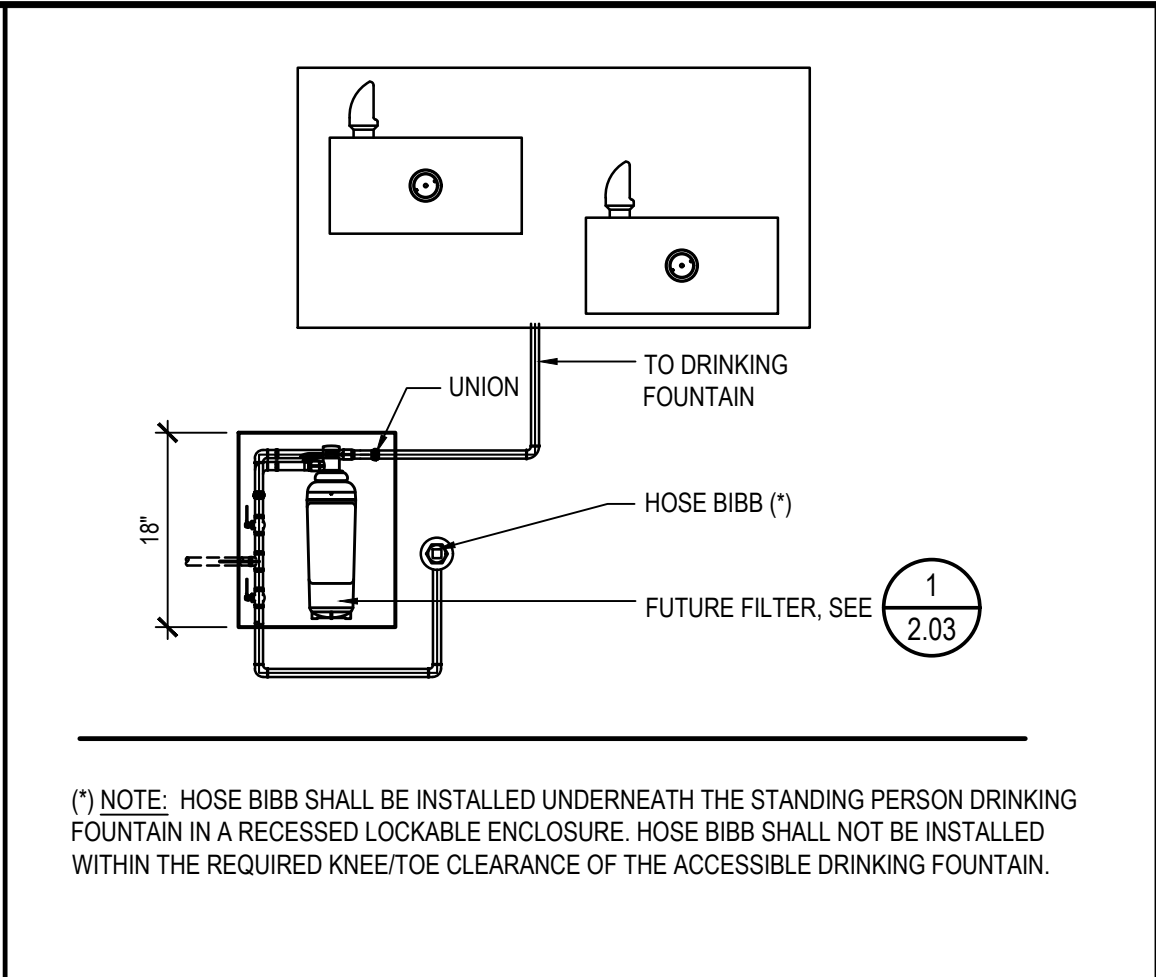
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WATER FILTER 3MFF 100

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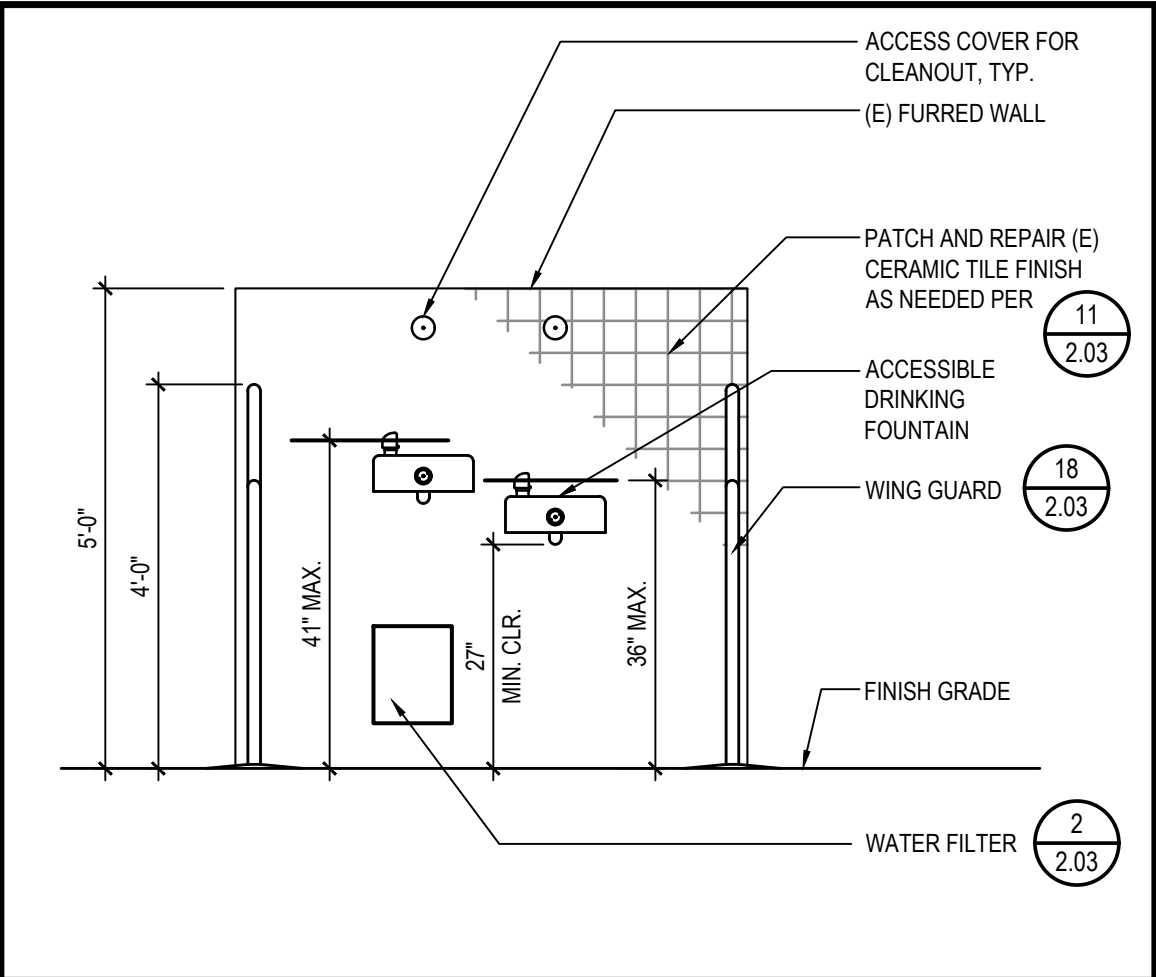
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D.F. AND FILTER

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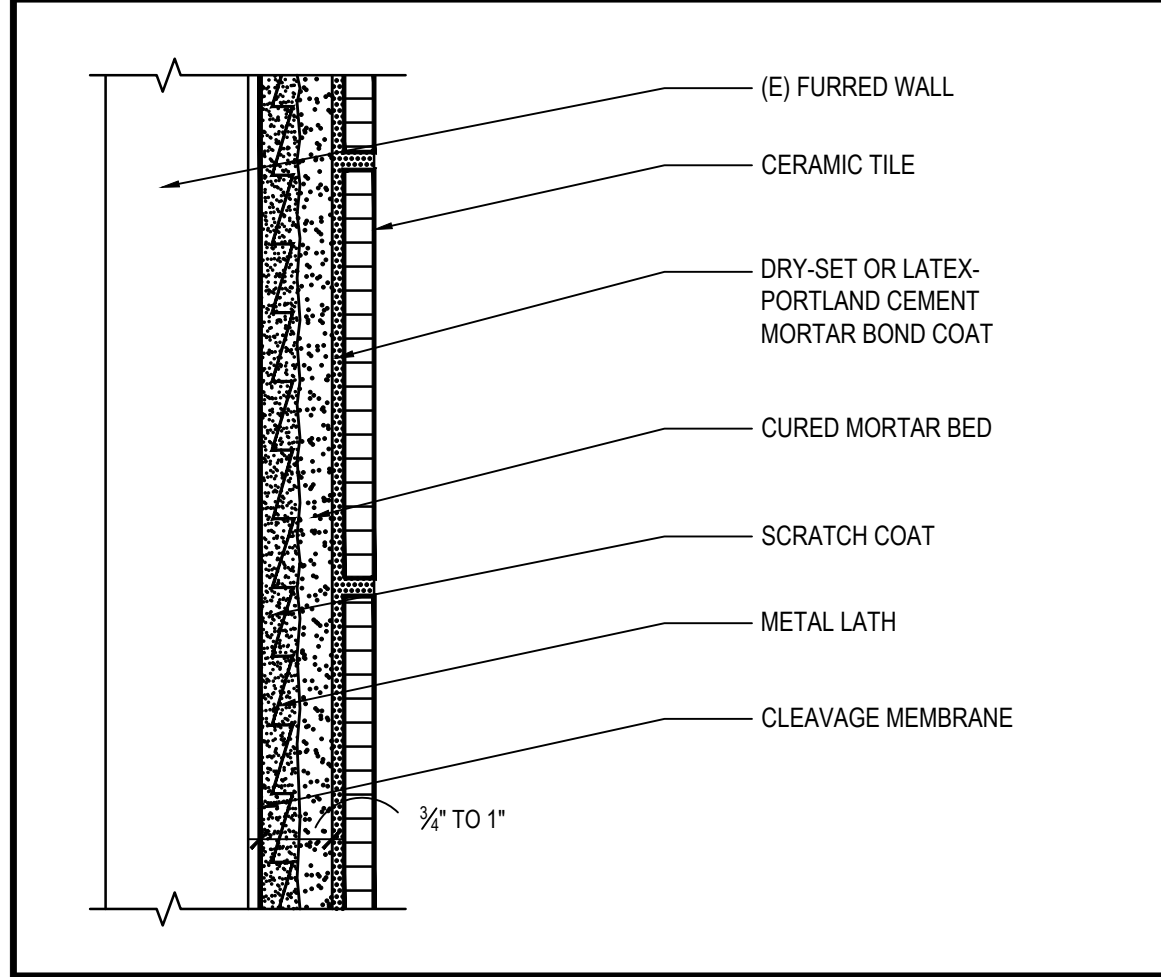
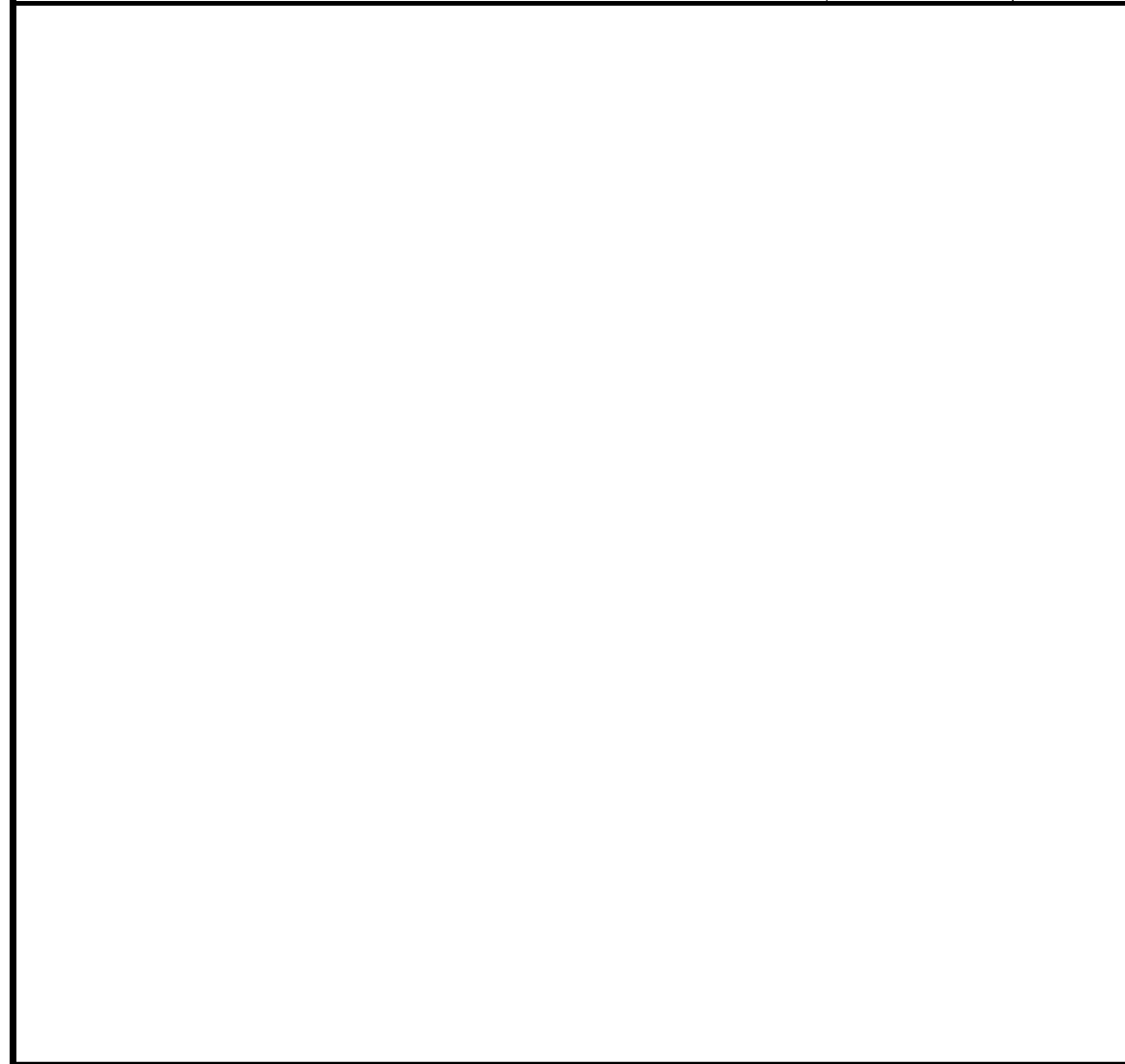
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HI-LOW D.F.

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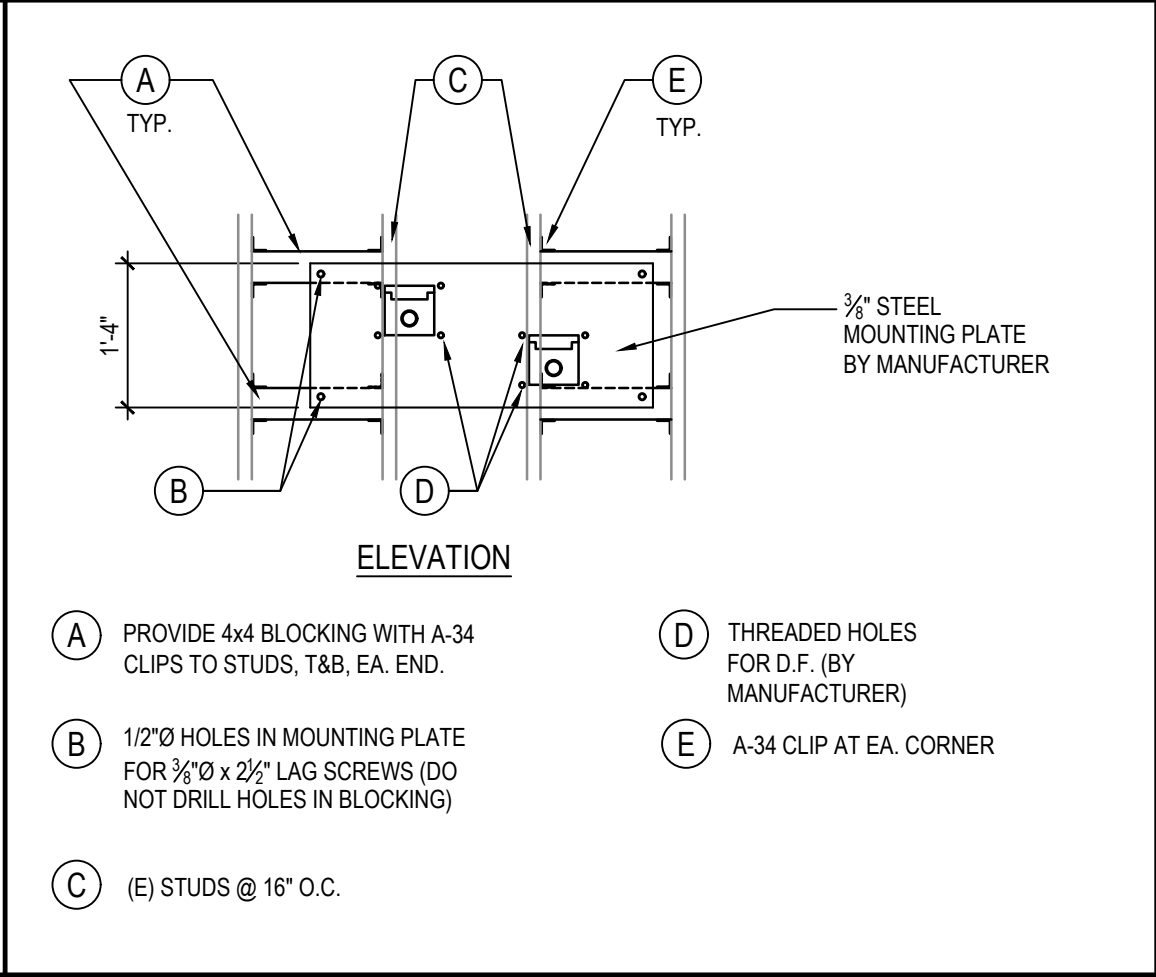
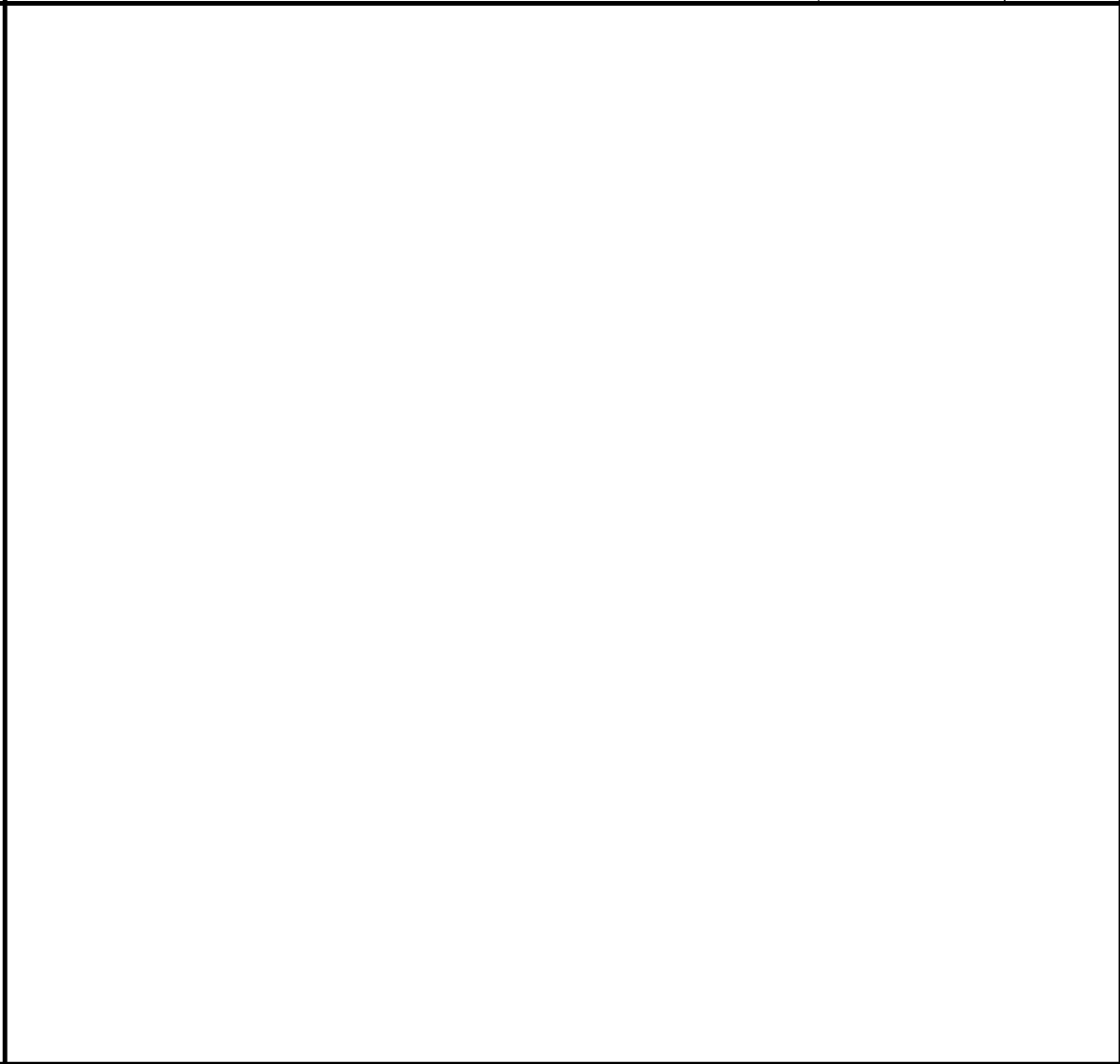
3



D.F. TILE WALL

SCALE: HALF

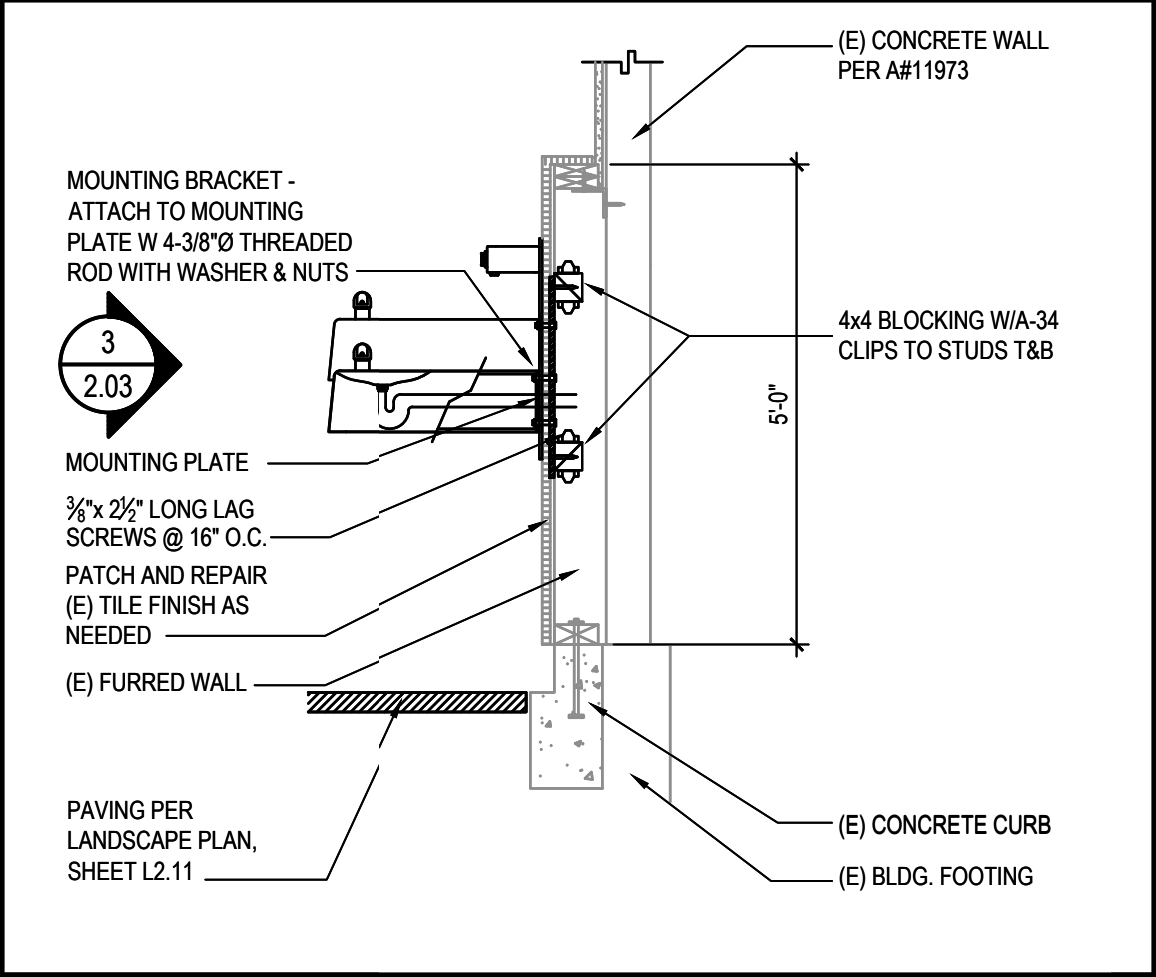
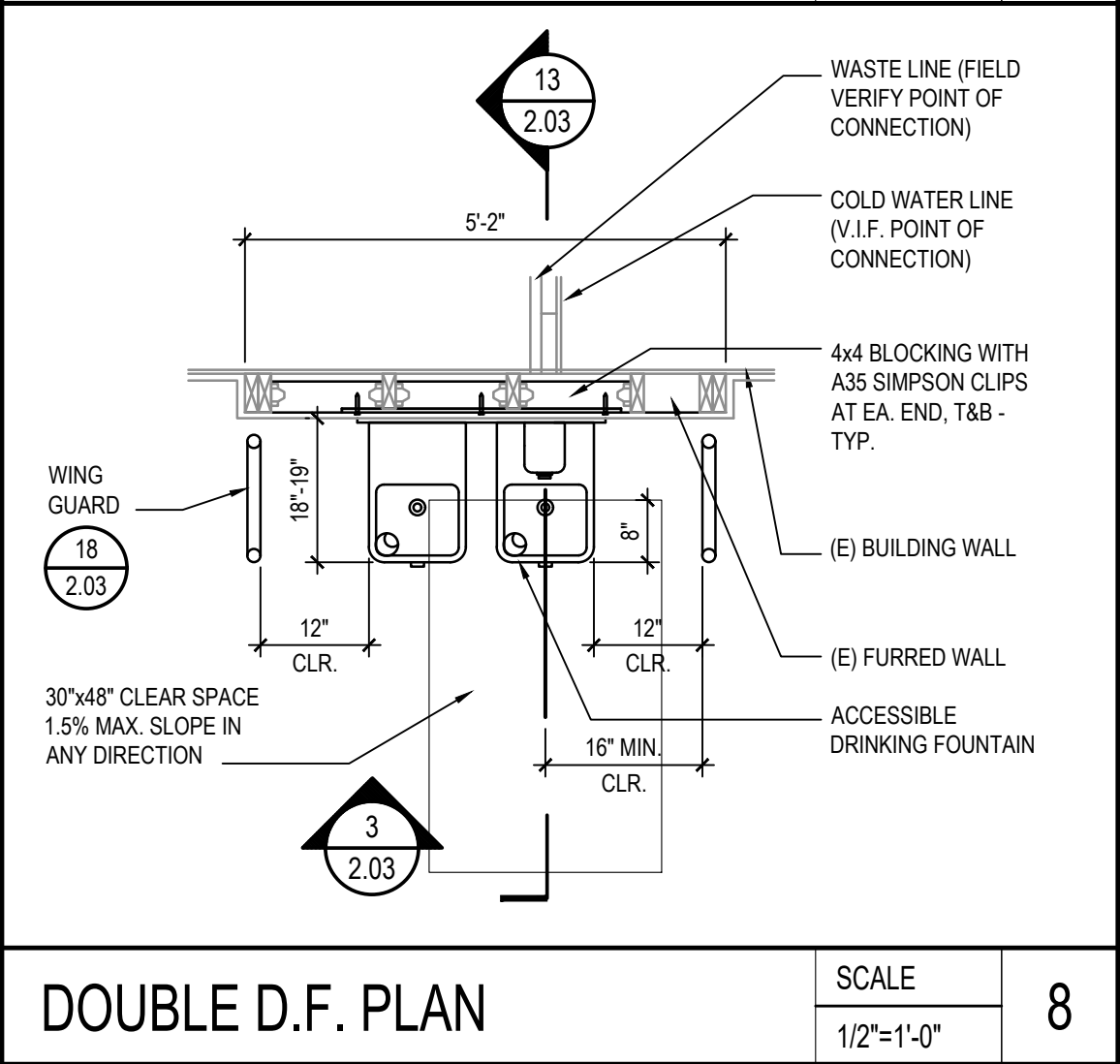
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DOUBLE D.F. SUPPORT

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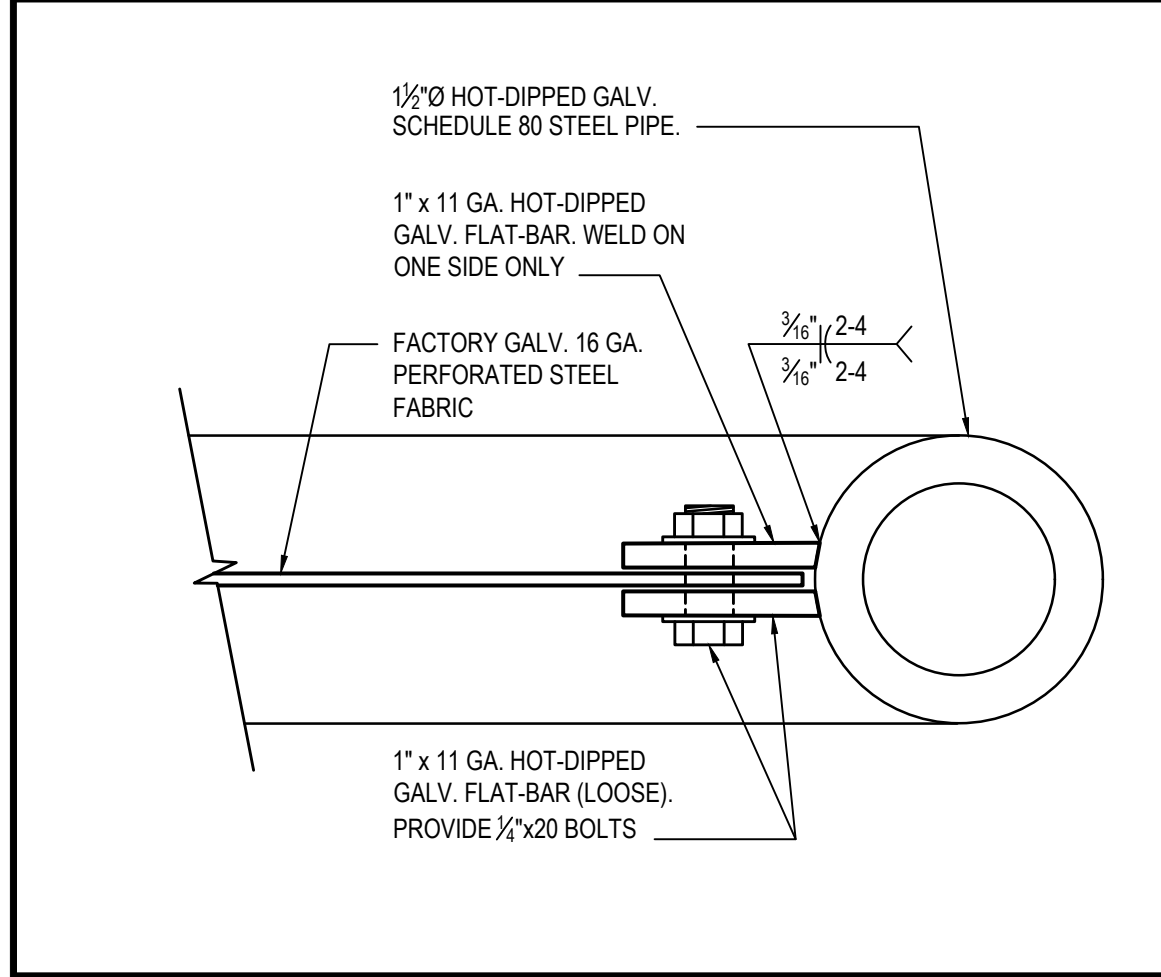
12



DOUBLE D.F. PLAN

SCALE: 1 1/2"=1'-0"

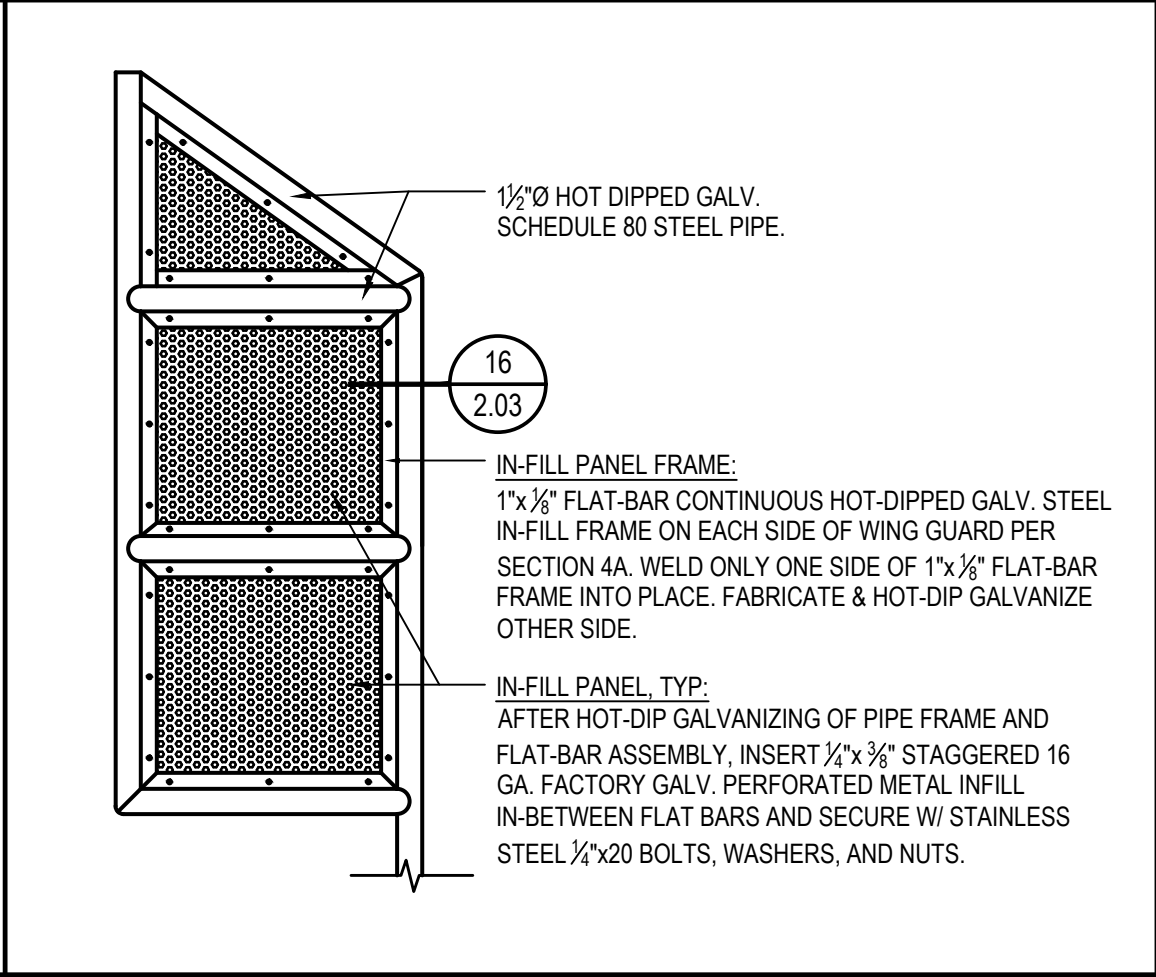
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PERF. PANEL ATTACHMENT

SCALE: FULL

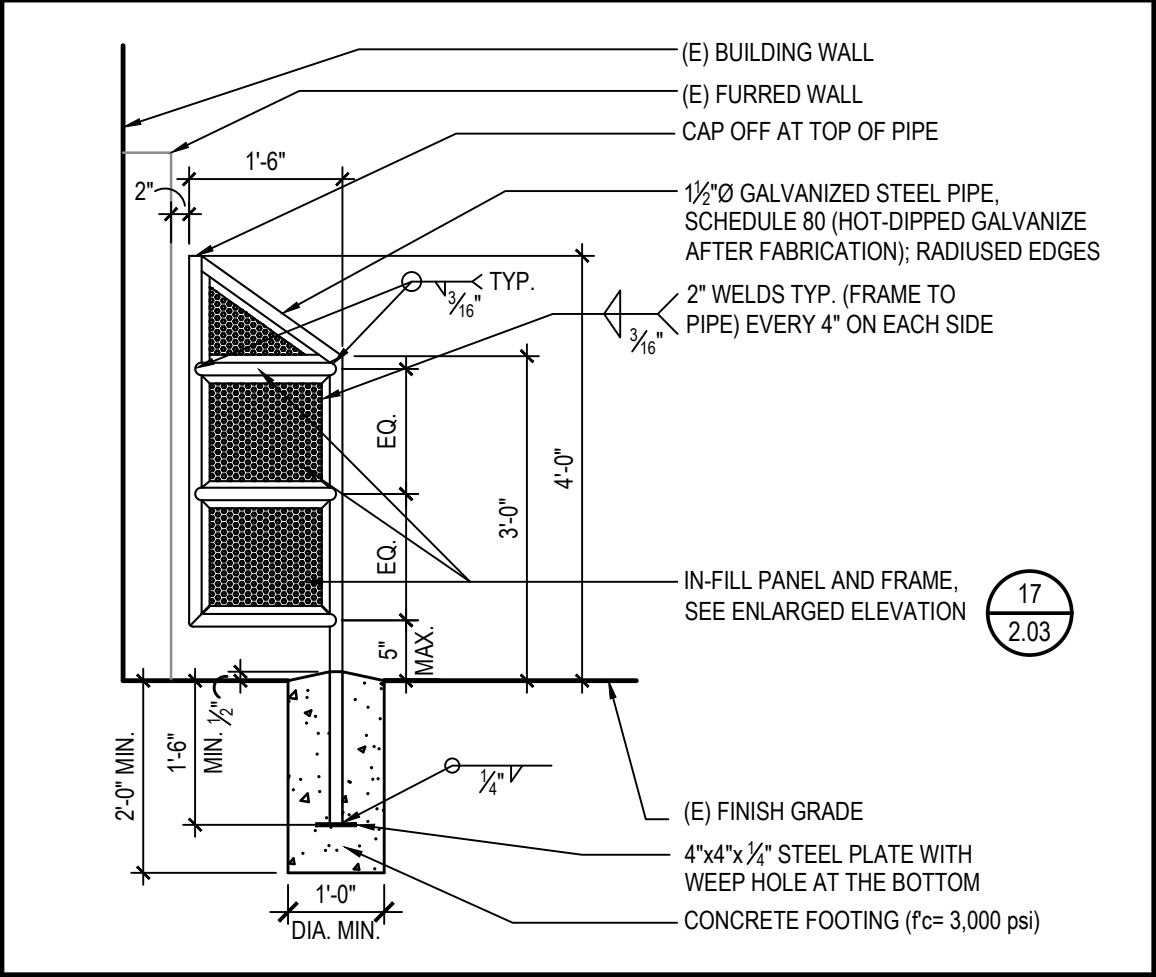
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PERF. PANEL ATTACHMENT

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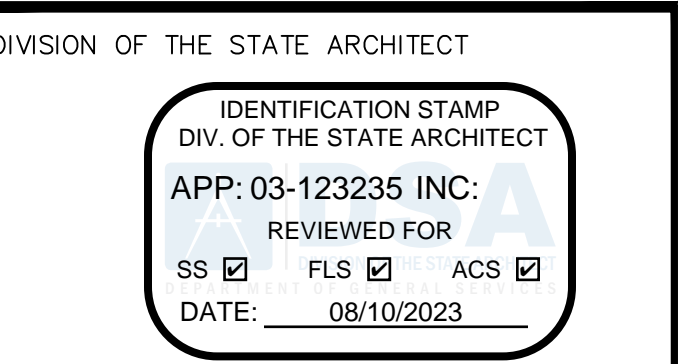
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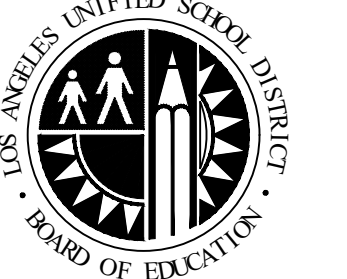
WING GUARD (EXTERIOR)

SCALE: 1 1/2"=1'-0"

18



A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

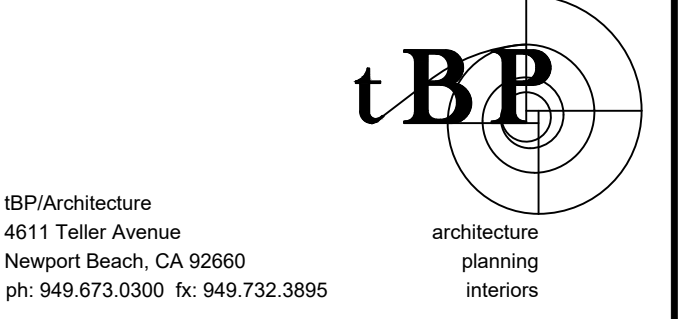
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



CONSULTANT




STAMPS/SEALS



△
△
△
△
SHEET TITLE:

SITE DETAILS

PROJECT NO.: 21011.11 PROJECT ARCH:
DRAWN: CHECKED:
SHEET NUMBER
DATE: 07/05/2023 SHEET: OF:
2.03

REFERENCES & ABBREVIATIONS		
	LIGHTING FIXTURE DESIGNATION	
	DETAIL REFERENCE	
	KEYNOTE REFERENCE	
A	AMPS	M METER
AC	ABOVE COUNTER	MAX MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MCA MINIMUM CIRCUIT AMPS
AFC	ABOVE FINISHED COUNTER	MCB MAIN CIRCUIT BREAKER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MCC MOTOR CONTROL CENTER
AFF	ABOVE FINISH FLOOR	MCM/KOMIL THOUSAND CIRCULAR MILS
AFG	ABOVE FINISH GRADE	MDF MAIN DISTRIBUTION FRAME
AIG	AMPS INTERRUPTING CAPACITY	MFGP/MFR MANUFACTURER
ASC	AMPS SHORT CIRCUIT	MH MOUNTING HEIGHT
ASCC	AVAILABLE SHORT CIRCUIT CURRENT	MIN MINIMUM
AWG	AMERICAN WIRE GAUGE	MLO MAIN LUGS ONLY
		M/M METER/MAIN
BDF	BUILDING DISTRIBUTION FRAME	MOCP MAXIMUM OVERCURRENT PROTECTION
BLDG	BUILDING	MTD MOUNTED
C	CONDUIT	(N) NEW
CB	CIRCUIT BREAKER	NEC NATIONAL ELECTRICAL CODE
CBC	CALIFORNIA BUILDING CODE	NIC NOT IN CONTRACT
CCTV	CLOSED CIRCUIT TELEVISION	NL NIGHT LIGHT
ODF	CLASSROOM DISTRIBUTION FRAME	NTS NOT TO SCALE
CEC	CALIFORNIA ELECTRICAL CODE	
CFC	CALIFORNIA FIRE CODE	OC ON CENTER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	OFCl OWNER FURNISHED CONTRACTOR
OH	COMMUNICATIONS HANDHOLE	OH OVER HEAD
CKT	CIRCUIT	
CLCB	CURRENT LIMITING CIRCUIT BREAKER	PA PUBLIC ADDRESS
CMH	COMMUNICATIONS MANHOLE	PC PHOTOCELL
CO	CONDUIT ONLY W/PULL ROPE	PDU POWER DISTRIBUTION UNIT
CSFD	COMBINATION SMOKE/FIRE DAMPER	PRI PRIMARY
CT	CURRENT TRANSFORMER	PTZ PAN-TILT-ZOOM
CU	COPPER	PVC POLYVINYL CHLORIDE
(D)	DEMOLISH OR REMOVE	(R) RELOCATED
DIA	DIAMETER	REF REFERENCE
DISC	DISCONNECT	RGS RIGID GALVANIZED STEEL
DIST	DISTRIBUTION	RMS ROOT MEAN SQUARE
(E)	EXISTING TO REMAIN	SEC SHORT CIRCUIT CURRENT
EC	ELECTRICAL CONTRACTOR	SEC SECONDARY
EF	EXHAUST FAN	SFD SMOKE FIRE DAMPER
EG	EQUIPMENT GROUND (GREEN)	SPD SURGE PROTECTIVE DEIVE
EM	EMERGENCY	SQ SQUARE
EMH	ELECTRIC MANHOLE/MAINTENANCE HOLE	ST SHUNT TRIP
EMS/EMCS	ENERGY MANAGEMENT CONTROL SYSTEM	
EMT	ELECTRIC METALLIC TUBING	TEL TELEPHONE
EOL	END OF LINE	TGB TELECOMMUNICATIONS
(ER)	EXISTING TO BE RELOCATED	TVSS GROUNDING BAR
FA	FIRE ALARM	TRANSIENT VOLTAGE SURGE SUPPRESSION
FLA	FULL LOAD AMPS	TYP TYPICAL
G	GROUND	UGPS UNDERGROUND PULL SECTION
GEC	GROUNDING ELECTRODE CONDUCTOR	UON UNLESS OTHERWISE NOTED
GFI	GROUND FAULT INTERRUPTER	UPS UNINTERRUPTABLE POWER SUPPLY
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	
GRC/ROG	GALVANIZED RIGID CONDUIT	V VOLTS
		VA VOLT AMPS
HID	HIGH INTENSITY DISCHARGE	VD VOLTAGE DROP
HOA	HAND-OFF-AUTO	VL VERIFY LOCATION
HP	HORSEPOWER	
		WP WEATHERPROOF
IDF	INTERMEDIAE DISTRIBUTION FRAME	(X) EXISTING TO BE DEMOLISHED
IG	ISOLATED GROUND	XFMR TRANSFORMER
IMC	INTERMEDIATE METALLIC TUBING	
K	DEGREES KELVIN	
KOMIL	THOUSAND CIRCULAR MILS	
KVA	KILOVOLT AMPERES	
KW	KILOWATT	
KWH	KILOWATT HOUR	
LCL	LONG CONTINUOUS LOAD	
LED	LIGHTING EMITTING DIODE	

ELECTRICAL GENERAL NOTES	
1. PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO ACHIEVE A COMPLETE AND OPERATIONAL SYSTEM.	REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES AND/OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER, ARCHITECT AND ENGINEER OF THE UTILITIES AND/OR STRUCTURES CONCERNED BEFORE STARTING WORK.
2. COORDINATE AND OBTAIN APPROVALS FROM ALL RESPECTIVE GOVERNMENTAL AGENCIES AND UTILITY COMPANIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.	
3. ALL ELECTRICAL CONTRACTOR'S WORK SHALL PERFORMED IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL GOVERNING CODES.	26. ALL CONDUIT ONLY (C.O.) SHALL BE PROVIDED WITH A 3/16" PULL ROPE, TAGGED AND IDENTIFIED AT BOTH ENDS WITH THE LOCATION OF TERMINATION.
4. INSTALL RACEWAY SYSTEMS AS FOLLOWS: a. USE RIGID GALVANIZED STEEL (RGS) IN ALL AREAS EXPOSED TO WEATHER OR SUSCEPTIBLE TO PHYSICAL DAMAGE. b. USE FLEXIBLE METALLIC CONDUIT FOR SHORT CONNECTIONS TO LIGHTING FIXTURES (6' MAX. WHIP LENGTH), CONNECTION TO EQUIPMENT REQUIRING VIBRATION ISOLATION AND HORIZONTAL RUNS IN WOOD STUD WALLS (WITH WRITTEN APPROVAL PRIOR TO INSTALLATION). USE SEAL-TITE IN AREAS EXPOSED TO WEATHER. c. USE ELECTRICAL METALLIC TUBING (EMT) WITH COMPRESSION TYPE FITTINGS FOR BUILDING INTERIOR WORK. d. USE P.V.C. CONDUIT FOR UNDERGROUND INSTALLATION PROVIDED WITH CODE SIZED GROUND CONDUCTOR, CONDUIT RISERS AND STUBS ABOVE GRADE SHALL BE I.M.C. WITH HALF-LAPPED TAPE COVERING OR P.V.C. COATING. e. THE USE OF METAL CLAD (MC) CABLE IS NOT PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER OF RECORD. DISCOVERY OF INSTALLED MC CABLE WITHOUT WRITTEN APPROVAL SHALL BE REMOVED AND REPLACED WITH CONDUIT AND WIRE AT CONTRACTOR'S EXPENSE, AND NO COST TO THE OWNER.	27. WHERE A CONFLICT OCCURS BETWEEN THE PLANS AND THE ELECTRICAL SPECIFICATIONS ISSUED AS A PART OF THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL. 28. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED CONCEALED IN THE CEILING SPACE AND IN SUCH A MANNER AS TO AVOID INTERFERENCE WITH BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. 29. CONDUIT AND WIRE INDICATED ON THE SINGLE LINE DIAGRAM, WHETHER SHOWN ON THIS DRAWING OR NOT, SHALL BE A PART OF THIS CONTRACT AND THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE REQUIRED ROUTING TO MEET THE INTENT OF THESE PLANS AND SPECIFICATIONS. 30. BUILDING SURFACES AND STRUCTURES DAMAGED BY DEMOLITION WORK, OR DAMAGED DURING INSTALLATION ACTIVITIES, SHALL BE REPAIRED, PATCHED, AND RE-FINISHED TO THE SATISFACTION OF THE OWNER. SURFACE-MOUNTED BOXES, CONDUIT, FITTINGS, AND ASSOCIATED SUPPORT STRUCTURES INDICATED FOR REMOVAL SHALL BE REMOVED IN THEIR ENTIRETY, WITH ATTACHMENT-HARDWARE-STAINED WALLS/CEILINGS PAINTED TO MATCH ADJACENT SURFACES. RECESSED BOXES REMAINING AFTER INDICATED DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY, OR BLANKED OVER WITH A PERMANENTLY-SECURED COVER PLATE AND PAINTED TO MATCH ADJACENT SURFACES.
5. ALL NEW WIRING SHALL BE 600 VOLT RATED COPPER TYPE "THHN/THWN" – U.O.N.	31. FOR CLARITY, ONLY RECONSTRUCTION/NEW WORK-RELATED ELEMENTS AND SELECTED EXISTING FACILITIES SPECIFICALLY REQUIRING COORDINATION WITH THE NEW WORK ARE SHOWN.
6. ALL FIXTURE, DEVICE, ETC., LOCATIONS SHALL BE VERIFIED WITH ARCH. DRAWINGS AS WELL AS EQUIPMENT SUPPLIER REQUIREMENTS PRIOR TO ANY ROUGH-IN WORK.	32. TO MINIMIZE VISUAL IMPACT OF THE RECONSTRUCTION/NEW WORK ELEMENTS, ALL EXPOSED BOXES, CONDUIT, SURFACE RACEWAY, SUPPORT DEVICES, AND ASSOCIATED FITTINGS AND FASTENERS SHALL BE PAINTED TO MATCH ADJACENT SURFACES, MINIMUM (2) COATS.
7. ALL LIGHTING FIXTURES SHALL BE MOUNTED AND SUPPORTED IN ACCORDANCE WITH OSHA STANDARDS AND ALL LOCAL, STATE, AND NATIONAL ELECTRICAL CODES. CONTRACTOR SHALL INCLUDE ALL NECESSARY MOUNTING KITS AND HARDWARE REQUIRED TO SUIT THE EXACT TYPE OF CEILING TO WHICH THEY ARE BEING INSTALLED.	33. TO MINIMIZE VISUAL IMPACT OF THE RECONSTRUCTION/NEW WORK ELEMENTS, AS WELL AS TO MAINTAIN THE ARCHITECTURAL INTEGRITY OF THE FACILITY, ALL CONDUIT AND RACEWAY ROUTED HORIZONTALLY THROUGH OCCUPANT AREAS SHALL BE ROUTED FOR CONCEALMENT ABOVE THE CEILING WHERE A SUSPENDED/ACCESSIBLE CEILING EXISTS OR ABOVE THE ELEVATION OF THE CEILING BEAMS WHERE OPEN-BEAM CEILING EXISTS.
8. THESE DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE INTENT OF EQUIPMENT, DEVICES, ETC. TO BE CONNECTED AND THE CIRCUITS TO WHICH THEY ARE TO BE CONNECTED TO. THE CONTRACTOR SHALL INSTALL ALL CONDUIT, J-BOXES, ETC. AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.	34. ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BASE BID AND CONTRACT THE INSTALLATION AND COMMISSIONING OF ALL LIGHTING CONTROLS, INCLUDING BUT NOT LIMITED TO, OCCUPANCY SENSORS, TIMERS, DIMMING CONTROLS AND DAY-LIT ZONE CONTROLS AND IS REQUIRE TO VERIFY THAT THE LIGHTING CONTROLS ARE ADJUSTED, PROGRAMMED AND FUNCTIONING IN ACCORDANCE WITH THE DESIGN AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR SUBMITTING DOCUMENTATION (INSTALLATION FORMS [NRCI]) CERTIFYING THAT THE LIGHTING SYSTEMS ARE IN COMPLIANCE WITH, OR EXCEED THE PERFORMANCE REQUIREMENTS FOR, PROJECTS 10,000 SQFT OR OVER. CONTRACTOR SHALL ALSO FURNISH CEC T24 REQUIRED FUNCTIONAL PERFORMANCE TESTING BY A CERTIFIED LIGHTING CONTROLS TEST TECHNICIAN (CALCATT) AND SUBMIT DOCUMENTATION (ACCEPTANCE FORMS [NRCA]) AS REQUIRED.
9. ALL EXTERIOR EQUIPMENT SHALL BE WEATHERPROOF.	35. LEED COMMISSIONING NOTE : ELECTRICAL CONTRACTOR TO COORDINATE AND PROVIDE ASSISTANCE FOR COMPLETE COMMISSIONING OF ALL SYSTEMS IDENTIFIED IN COMMISSIONING AGENT'S DOCUMENTS, INCLUDING BUT NOT LIMITED TO, LIGHTING CONTROLS, ELECTRONIC METERING, ETC.
10. ALL EQUIPMENT SHALL BE NEW AND BEAR A "UL" LABEL – U.O.N..	
11. ELECTRICAL CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY BUILDING PERMITS.	
12. COMPLETE ELECTRICAL INSTALLATION SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF (1) YEAR – U.O.N..	
13. SEE SINGLE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZES, PANELS, TRANSFORMERS, MOTOR CONTROL CENTERS, MECHANICAL EQUIPMENT, ETC. HOMERUNS TO PANELS MAY NOT BE SHOWN ON PLANS BUT ARE PART OF THIS CONTRACT.	
14. ELECTRICAL CONTRACTOR IS RECOMMENDED TO VISIT SITE PRIOR TO BID DATE, TO VERIFY ALL EXISTING CONDITIONS TO BE ENCOUNTERED IN THE INSTALLATION OF ALL NEW EQUIPMENT, FIXTURES, DEVICES, FEEDERS, ETC.. EXACT INSTALLATION METHOD AND REQUIREMENTS SHALL BE VERIFIED AND DETERMINED PRIOR TO BID DATE. CONTRACTORS SHALL IMMEDIATELY NOTIFY THIS ENGINEER OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT SHOWN ON THESE DRAWINGS. SUBMITTAL OF BID INDICATES CONTRACTOR IS AWARE OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED.	
15. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DO ALL CORING, CUTTING, PATCHING AND REFINISHING OF WALLS AND SURFACES WHEREVER IT IS NECESSARY FOR HIM TO PENETRATE FOR HIS WORK. ALL OPENINGS MADE SHALL BE SEALED TO MEET THE RATED INTEGRITY OF THE PARTICULAR WALL, FLOOR OR CEILING.	
16. THE EXISTING FIRE-RESISTANCE RATING OF WALLS, FLOORS AND CEILINGS SHALL BE MAINTAINED AT THE SITE OF ALL NEW CONDUIT PENETRATIONS WITH APPLICATION OF THE APPROPRIATE UL-LISTED FIRESTOP SYSTEM. ALL FIRE RATINGS SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL GOVERNING CODES.	
17. ALL FINAL ELECTRICAL CONNECTIONS TO OWNER-FURNISHED EQUIPMENT SHALL BE MADE BY THE ELECTRICAL CONTRACTOR.	
18. ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL ELECTRICAL EQUIPMENT AND ELECTRICAL MATERIALS TO BE USED ON THE PROJECT, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: 18.1. LIGHTING FIXTURES AND BALLASTS, TRANSFORMERS, SWITCHGEAR, SWITCHBOARDS, DISTRIBUTION BOARDS, PANELBOARDS, OVERCURNET PROTECTIVE DEVICES (CIRCUIT BREAKERS AND FUSES), DISCONNECTS, MOTOR CONTROL CENTERS, WIRING DEVICES, FLOOR BOXES, LIGHTING CONTROLS (INCLUDING SENSOR, DIMMING AND RELAY CONTROL PRODUCTS), PULL BOXES, TERMINAL CABINETS, HANDHOLES, MANHOLES, INVERTERS, PDU'S, GENERATORS, TRANSFER SWITCHES, SURGE PROTECTIVE DEVICES, CABLE TRAY, WIRE MANAGEMENT, ARC FLASH, SHORT CIRCUIT AND COORINATION STUDIES, ETC. 18.2. ALL ITEMS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY COMMENCEMENT OF PLACING ORDERS OR PERFORMING ANY ROUGH-IN WORK.	
19. ELECTRICAL CONTRACTOR SHALL INCLUDE IN BID -- COSTS FOR ALL HVAC CONTROL COMPONENTS, CONDUITS, DEVICES, ETC... AS DEEMED NECESSARY FOR A COMPLETE AND OPERATIONAL HVAC SYSTEM. REFER TO MECHANICAL DRAWINGS, DIAGRAMS AND SPECS FOR THOSE ITEMS REQUIRED UNDER THE ELECTRICAL SECTION OF THIS CONTRACT.	
20. COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE C.E.C. ART. 250. ALL FEEDER AND BRANCH CIRCUIT CONDUITS SHALL BE INSTALLED WITH A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC 250-122.	
21. ALL ELECTRICAL EQUIPMENT CHARACTERISTICS, LOCATIONS, AND CONNECTION REQUIREMENTS SHALL BE VERIFIED PRIOR TO ANY ROUGH-IN WORK. CONTRACTOR SHALL INCLUDE AS PART OF THE ELECTRICAL EQUIPMENT SUBMITTALS 1/4" SCALED ROOM/PLAN DRAWINGS WITH EQUIPMENT SIZES MATCHING EQUIPMENT SUBMITTALS FOR DEDICATED POWER AND LOW VOLTAGE ROOM SPACES.	
22. PROVIDE THE OWNER AND THIS ENGINEER WITH ONE SET OF ELECTRICAL "AS-BUILTS" AT THE COMPLETION OF JOB.	
23. ALL WORK THAT REQUIRES SERVICE INTERRUPTION TO ANY BUILDING ON THE CAMPUS SHALL BE COORDINATED WITH THE OWNER AND CONSTRUCTION MANAGER, A MINIMUM OF 48 HOURS IN ADVANCE, AND SHALL NOT OCCUR DURING BUSINESS HOURS. ALL AREAS OUTSIDE THE SCOPE OF WORK REQUIRING TEMPORARY POWER AND CONNECTIONS TO REMAIN OPERATIONAL DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.	
24. EVERY CONDUCTOR OF EACH SYSTEM SHALL BE PERMANENTLY TAGGED AS INDICATED IN THE SPECIFICATIONS.	
25. ALL UNDERGROUND UTILITIES AND/OR STRUCTURES THAT ARE SHOWN ON THE PLANS HAVE BEEN REPORTED BY THE OWNER AND/OR OTHERS AND THOSE THAT WERE SHOWN ON THE RECORD DRAWINGS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD THE ENGINEER HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES AND/OR STRUCTURES NOT REPORTED TO THE ENGINEER, NOT INDICATED ON THE RECORDS DRAWINGS EXAMINED AND LOCATED AT VARIANCE WITH THAT REPORTED AND/OR SHOWN ON THE RECORDS DRAWINGS EXAMINED. THE CONTRACTOR IS	

NOTE:
UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED, WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEER OF RECORD AND THE DIVISION OF THE STATE ARCHITECTS OFFICE (DSA) .


MODERNIZATION PHASING NOTES	
1. IT IS THIS CONTRACTOR'S RESPONSIBILITY FOR HIS COORDINATION WITH, AND THE FOLLOWING OF, THE CONSTRUCTION SEQUENCES ESTABLISHED BY THE CONSTRUCTION MANAGER FOR THIS PARTICULAR PROJECT. ELECTRICAL DRAWINGS ARE PROVIDED AS COMPLETE, SITE WIDE SYSTEMS AND DO NOT REFLECT ANY SCHEDULING OR REQUIRED PHASING. IT IS THIS CONTRACTOR'S RESPONSIBILITY FOR THE MERGING NEWLY PHASED WORK AND MAINTAINING EXISTING SITE SYSTEMS AS PART OF THE CONSTRUCTION PHASING PROCESS.	2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OPERATION OF ALL ELECTRICAL AND COMMUNICATION SYSTEMS IN ALL AREAS AFFECTED BY THIS CONTRACT'S PHASING. SHUT DOWN OF EXISTING ELECTRICAL AND COMMUNICATIONS SYSTEMS IN AREAS TO REMAIN OPERATIONAL WILL NOT BE PERMITTED. SHOULD SHUT DOWN OCCUR FOR THE FIRE ALARM SYSTEM, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A 24 HOUR FIRE WATCH FOR THE DURATION OF THE OUTAGE. ALL FIRE WATCHES SHALL BE IMMEDIATELY COORDINATED WITH THE OWNER AND THE LOCAL FIRE AUTHORITY.
3. IT MAY BE NCECESSARY TO DEFER WORK IN SPECIFIC LOCATIONS, OR AREAS, UNTIL EXISTING ELECTRICAL AND COMMUNICATIONS SYSTEMS HAVE BEEN TEMPORARILY SERVICED TO MAINTAIN SUCH OPERATION. THIS TEMPORARY SERVICING SHALL REMAIN UNTIL THE PHASE OF CONSTRUCTION INVOLVED CAN BE COMPLETED, AT WHICH TIME ANYWORK PREVIOUSLY DEFERRED MAY BE COMPLETED.	4. ELECTRICAL CONTRACTOR SHALL PROVIDE THE TEMPORARY RELOCATION, RE-ROUTING, RE-CONNECTIONS, ETC. OF ANY EXISTING POWER AND/OR COMMUNICATION OR SIGNAL EQUIPMENT SO SITE SYSTEMS (PART OF PAST, PRESENT OR UPCOMING PHASES) ARE IN COMPLETE AND OPERABLE CONDITION AS CONSTRUCTION MOVES THROUGH EACH SCHEDULED PHASE. SUCH SYSTEMS OR EQUIPMENT SHALL, INSTEAD, BE LIMITED TO TERMINAL CABINETS, PANELS, ANNUNICATORS, CONDUIT, WIRE/CONDUCTORS, ETC. IN ORDER TO MAINTAIN SYSTEMS.
SEISMIC BRACING NOTES	
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS BRACING NOTE: PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5.6, 13.6.7, 13.6.8 AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26 THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS. MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP <input type="checkbox"/> MD <input type="checkbox"/> PP <input checked="" type="checkbox"/> E <input type="checkbox"/> – OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH THE PROJECT SPECIFIC NOTES AND DETAILS. MP <input type="checkbox"/> MD <input type="checkbox"/> PP <input type="checkbox"/> <input type="checkbox"/> – OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # _____ MEP COMPONENT ANCHORAGE NOTE: ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30. 1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. TEMPORARY, MOVABLE OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPACLES HAVING FLEXIBLE CABLE. 3. TEMPORARY, MOVABLE OR MOVABLE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONETS IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND THE ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS. A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL. THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OF STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.	
SCOPE OF WORK	
ELECTRICAL, SIGNAL AND FIRE ALARM SYSTEM SCOPE OF WORK SHALL INCLUDE: 1. THE COMPLETE REMOVAL OF EXISTING IRRIGATION CONDUITS ROUTED THROUGH THE QUAD AREA OF IMPROVEMENT WORK IN CONFLICT WITH EXISTING SOIL REMOVAL AND EXCAVATION. 2. INSTALLATION AND THE RE-ROUTING OF NEW SYSTEM CONDUITS AND CONDUCTORS TO REPLACE AND RECONNECT ALL EXISTING SYSTEMS DISPLACED BY THE REMOVAL OF CONDUIT/CONDUCTORS IN ITEM NUMBER 1, INCLUDING THE COMPLETE RECONNECTION AND OPERATION OF ALL POWER, SIGNAL AND FIRE ALARM SYSTEMS. 3. RENOVATION OF EXISTING QUAD AREA WITH NEW GENERAL POWER AND LIGHTING AND CONTROLS AND CONNECTIONS TO EXISTING POWER EQUIPMENT AND SITE LIGHTING CONTROLS. 4. IRRIGATION SYSTEM CONDUCTORS SHALL BE FULLY TESTED PRIOR TO SYSTEM RECONNECTIONS.	
SHEET INDEX	
E001 E002 E010 E020 E030	ELECTRICAL GENERAL NOTES ELECTRICAL SYMBOLS AND DETAILS PANEL SCHEDULES (NOT PART OF THIS SUBMITTAL) LIGHTING FIXTURE SCHEDULE TITLE 24 (EXTERIOR) (NOT PART OF THIS SUBMITTAL)
E100 E101D E101 E201	OVERALL SITE PLAN ENLARGED SITE PLAN – DEMOLITION ENLARGED SITE PLAN – POWER/SIGNAL ENLARGED SITE PLAN – LIGHTING
E500 E501	ELECTRICAL DETAILS ELECTRICAL DETAILS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235



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BOARD OF EDUCATION

LOS ANGELES UNIFIED
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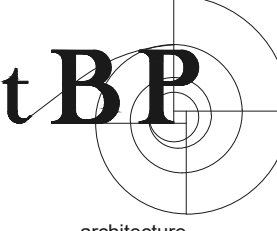
PROJECT TITLE AND SCHOOL LOCATION

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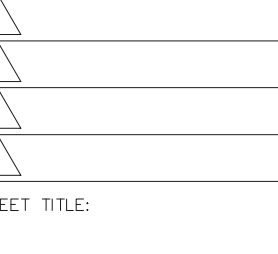
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No. 31446
Exp. 08/30/24
ELECTRICAL
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REGISTERED PROFESSIONAL ARCHITECT
No. 14446
Exp. 08/30/24
ARCHITECT
STATE OF CALIFORNIA

SHEET TITLE:

ELECTRICAL GENERAL
NOTES

PROJECT NO.: 21011.11PROJECT ARCH:































































DRAWN:CHECKED:

SHEET NUMBER

E001

DATE: 07/05/2023

SHEET: OF:

COMMUNICATIONS SYMBOLS LIST		ELECTRICAL SYMBOLS LIST	
	CAMERA OUTLET.	"C"	NOTE RECEPTACLES ON PLANS INDICATED WITH "C" ADJACENT TO DEVICE ARE INDICATED TO BE CONTROLLED PER CALIFORNIA TITLE 24 130.5(d) IN ALL PRIVATE OFFICE, OPEN OFFICE AREA, RECEPTION LOBBY, CONFERENCE ROOM, KITCHENETTE IN OFFICE SPACES AND COPY ROOMS. SEE LIGHTING CONTROL DETAILS FOR ADDTL INFO.
	VIDEO OUTLET WITH "F" TYPE CONNECTOR MOUNTED AT +18" AFF. PROVIDE 1" CO STUBBED TO ACCESSIBLE CEILING SPACE ABOVE OR AS OTHERWISE INDICATED.		STANDARD 20A, 120V-1Ø GROUNDING TYPE SIMPLEX RECEPTACLE MOUNTED AT +18" AFF – UON.
	THERMOSTAT FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR – UON. PROVIDE JUNCTION BOX AT +45" AFF. PROVIDE 3/4" CO TO ASSOCIATED HVAC UNIT OR ACCESSIBLE CEILING SPACE. COORDINATE ALL WITH MECHANICAL DRAWINGS AND CONTROL DIAGRAMS.		STANDARD 20A, 120V-1Ø GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED AT +18" AFF – UON.
	VOLUME CONTROL MOUNTED AT +45" AFF. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CO RISER TO ACCESSIBLE CEILING SPACE ABOVE OR AS OTHERWISE INDICATED.		STANDARD 20A, 120V-1Ø GROUNDING TYPE QUAD (OR FOUR-PLEX) RECEPTACLE MOUNTED AT +18" AFF – UON.
	TELEPHONE OUTLET WITH RJ45 PORTS MOUNTED AT +18" AFF – UON. PROVIDE 1" CO TO POINT ABOVE ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED. W – DENOTES WALL MOUNTED AT +45" AFF TO TOP OF DEVICE – UON. # – DENOTES QUANTITY OF OUTLETS ON FACEPLATE, MAX (6)		STANDARD 20A, 120V-1Ø GROUNDING TYPE DUPLEX RECEPTACLE FLUSH MOUNTED IN CEILING.
	DATA OUTLET WITH RJ45 PORTS MOUNTED AT +18" AFF – UON. PROVIDE 1" CO TO POINT ABOVE ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED. W – DENOTES WALL MOUNTED AT +45" AFF TO TOP OF DEVICE – UON. # – DENOTES QUANTITY OF OUTLETS ON FACEPLATE, MAX (6)		STANDARD 20A, 120V-1Ø GROUNDING TYPE QUAD RECEPTACLE FLUSH MOUNTED IN CEILING.
	COMBINATION TELEPHONE/DATA OUTLET MOUNTED AT +18" AFF – UON. PROVIDE 1" CO TO POINT ABOVE ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED. W – DENOTES WALL MOUNTED AT +45" AFF TO TOP OF DEVICE – UON. # – DENOTES QUANTITY OF OUTLETS ON FACELATE, D–DATA, V–VOICE MAXIMUM OF (6) OUTLETS TOTAL PER FACEPLATE		STANDARD 20A, 120V-1Ø GROUNDING TYPE SIMPLEX RECEPTACLE, SWITCHED OR DIMMED (AS NOTED), MOUNTED AT +18" AFF – UON.
	DATA OUTLET MOUNTED FLUSH IN CEILING – UON. PROVIDE 1" CO TO POINT ABOVE ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED.		STANDARD 20A, 120V-1Ø GROUNDING TYPE DUPLEX RECEPTACLE HALF SWITCHED MOUNTED AT +18" AFF – UON.
	VIDEO OUTLET MOUNTED FLUSH IN CEILING– UON. PROVIDE 1" CO TO POINT ABOVE ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED.		STANDARD 20A, 120V-1Ø GROUNDING TYPE "GROUND FAULT INTERRUPTER" (G.F.I.) RECEPTACLE MOUNTED AT +18" AFF – UON.
	TELEPHONE OUTLET MOUNTED FLUSH IN FLOOR. PROVIDE 1" CO TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED.		STANDARD 20A, 120V-1Ø ISOLATED GROUND TYPE DUPLEX RECEPTACLE, ORANGE IN COLOR, MOUNTED AT +18" AFF – UON.
	DATA OUTLET MOUNTED FLUSH IN FLOOR. PROVIDE 1" CO TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED.		STANDARD 20A, 120V-1Ø ISOLATED GROUND TYPE QUAD RECEPTACLE, ORANGE IN COLOR, MOUNTED AT +18" AFF – UON.
	TELEPHONE/DATA OUTLET MOUNTED FLUSH IN FLOOR. PROVIDE 1-1/4" CO TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED.		SPECIAL RECEPTACLE MOUNTED AT +18" AFF – UON. AMPS, VOLTS & PHASE AS INDICATED ON PLANS. VERIFY NEMA CONFIGURATION WITH INSTALLED EQUIPMENT SUPPLIER PRIOR TO PLACING ORDER.
	VIDEO OUTLET WITH "F" TYPE CONNECTOR. PROVIDE 1" CO TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED.		STANDARD 15A, 120V-1Ø GROUNDING TYPE SIMPLEX CLOCK RECEPTACLE.
	TELEPHONE/DATA OUTLET MOUNTED FLUSH IN FLOOR. PROVIDE 1-1/4" CO TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED.		STANDARD 20A, 120V-1Ø GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED WITHIN FLUSH FLOOR BOX.
	VIDEO OUTLET WITH "F" TYPE CONNECTOR. PROVIDE 1-1/4" CO TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED.		STANDARD 20A, 120V-1Ø GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED WITHIN FLUSH FLOOR BOX.
	INDICATES PHONE/DATA CONNECTION POINT TO ELECTRIFIED PARTITION. MULTI- PAIR CABLE CONNECTION TO BE EXPOSED BETWEEN FACE OF J-BOX AND GROMMET AT FURNITURE SYSTEM. THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS WITH INSTALLED EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN. PROVIDE (2) 1-1/4"C.O. FROM 4SDP BACKBOX TO POINT ABOVE ACCESSIBLE CEILING SPACE – VERIFY WITH PRE-WIRE INSTALLER PRIOR TO ANY ROUGH-IN WORK. MAINTAIN ANY WALL SYSTEM FIRE RATINGS AS PART OF INSTALLATION.		STANDARD 20A, 120V-1Ø GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED 4" ABOVE COUNTER BACK SPLASH, UON. COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.
	STANDARD 15A, 120V-1Ø SIMPLEX CLOCK RECEPTACLE.		STANDARD 20A, 120V-1Ø GROUNDING TYPE "GROUND FAULT INTERRUPTER" DUPLEX RECEPTACLE MOUNTED ABOVE 4" ABOVE COUNTER BACK SPLASH, UON. COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.
	WALL MOUNTED COMBINATION CLASS PASSING SPEAKER AND CLOCK LOCATION. PROVIDE 3/4" C. TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE.		STANDARD 20A, 120V-1Ø ISOLATED GROUND TYPE DUPLEX RECEPTACLE, ORANGE IN COLOR, MOUNTED 4" ABOVE COUNTER BACK SPLASH, UON. COORDINATE FINAL HEIGHT WITH ARCHITECT / INTERIOR DESIGNER.
	WALL OR FLUSH CEILING MOUNTED CLASS PASSING SPEAKER. PROVIDE 3/4" C. TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE.		JUNCTION BOX, CEILING OR ABOVE CEILING MOUNTED, SIZED BY THE CONTRACTOR PER ACTUAL NUMBER OF CONDUITS AND/OR CONDUCTORS PASSING THRU.
	WALL MOUNTED BELL. PROVIDE 3/4" C. TO NEAREST WALL AND STUB INTO ACCESSIBLE CEILING SPACE.		JUNCTION BOX MOUNTED ON CONDUIT STUB-UP, SIZED BY THE CONTRACTOR PER ACTUAL NUMBER OF CONDUITS AND/OR CONDUCTORS PASSING THRU. JUNCTION BOX FOR SPLICES ONLY AND SHALL CONTAIN NO DEVICES.
	TELE/CATV BACKBOARD. PROVIDE 4'x8'x3/4" THICK FIRE TREATED PLYWOOD, PAINTED WHITE WITH FIRE RETARDANT PAINT AND LABEL VISIBLE. GROUNDING PER SPECIFICATIONS.		JUNCTION BOX, FLUSH WALL MOUNTED, SIZED BY THE CONTRACTOR PER ACTUAL NUMBER OF CONDUITS AND/OR CONDUCTORS PASSING THRU.
	WIRELESS ACCESS POINT WITH RJ45 JACK AND 1"CO TO POINT ABOVE ACCESSIBLE CEILING SPACE OR AS OTHERWISE INDICATED W – WALL MOUNTED, COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND OWNER. TERMINATE RJ45 ON DUAL JACK FACEPLATE C – CEILING MOUNTED. TERMINATE RJ45 JACK ON DUAL SURFACE MOUNT BISCUIT LOCATED ABOVE ACCESSIBLE CEILING. PROVIDE WITH 15' SERVICE CABLE LOOP.		SERVICE ENTRANCE OR DISTRIBUTION EQUIPMENT AS SPECIFIED.
FIRE ALARM SYMBOLS LIST			BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED. VOLTAGE AND NUMBER OF CIRCUITS PER PANEL SCHEDULE.
REFERENCE FIRE ALARM SYSTEM DRAWINGS "FA" SHEETS FOR ALL FIRE ALARM SYMBOLS AND SYSTEM DESIGN AND DESCRIPTIONS UNLESS OTHERWISE NOTED.			BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED. VOLTAGE AND NUMBER OF CIRCUITS PER PANEL SCHEDULE.
			CONTROL ENCLOSURE FOR LIGHTING, BUILDING AUTOMATION SYSTEM , EQUIPMENT CONTROL, LOW VOLTAGE SYSTEM, ETC.. AS INDICATED ON PLANS.
			TRANSFORMER AS SPECIFIED.
			FUSED DISCONNECT SWITCH, AMPS, POLES AND FUSE CLASS (SIZE AS INDICATED). OPEN– INDICATES NON-FUSED WP – INDICATES NEMA 3R ENCLOSURE
			MAGNETIC MOTOR STARTER, POLES AND NEMA SIZE AS INDICATED. PROVIDE COMPLETE WITH THERMAL OVERLOAD PROTECTION PER MOTOR NAMEPLATE DATA, 120V CONTROL COIL – UON, AND H.O.A. (HAND-OFF-AUTO) SWITCH.
			COMBINATION DISCONNECT SWITCH/MAGNETIC MOTOR STARTER, AMPS, POLES, FUSE CLASS (SIZE AS INDICATED), AND NEMA SIZE AS INDICATED. PROVIDE COMPLETE WITH THERMAL OVERLOAD PROTECTION PER MOTOR NAMEPLATE DATA, 120V CONTROL COIL – UON, AND H-O-A (HAND-OFF-AUTO) SWITCH. WP – INDICATES NEMA 3R ENCLOSURE
			MANUAL MOTOR STARTER SWITCH. HORSEPOWER RATED 120V-1Ø – UON. PROVIDE COMPLETE WITH THERMAL OVERLOAD PROTECTION.
			MOTOR OUTLET, HP OR FLA – VOLTS & PHASE AS INDICATED. VERIFY ELECTRICAL CHARACTERISTICS AND CONNECTION REQUIREMENTS WITH INSTALLED EQUIPMENT MANUFACTURER PRIOR TO ANY ROUGH-IN WORK.
			CONDUIT CONCEALED WITHIN BUILDING WALLS OR CEILING SPACE. TICK MARKS INDICATE QUANTITY OF #12 THHN / THWN CONDUCTORS – UON. CONDUIT SHOWN WITH NO TICK MARKS INDICATE 2 #12 THHN / THWN CONDUCTORS – UON. CONDUIT SHALL BE 3/4" MINIMUM – UON. INCLUDE CODE SIZED COPPER BOND CONDUCTOR (NOT SHOWN ON PLAN) IN ALL CONDUIT RUNS.
			CONDUIT ROUTED BELOW FINISHED GRADE AND / OR CONCRETE SLAB. TICK MARKS INDICATE QUANTITY OF #12 THHN / THWN CONDUCTORS – UON. CONDUITS SHOWN WITH NO TICK MARKS INDICATE 2 #12 THHN / THWN CONDUCTORS – UON. CONDUIT SHALL BE 3/4" MINIMUM – UON. INCLUDE CODE SIZED COPPER BOND CONDUCTOR (NOT SHOWN ON PLAN) IN ALL CONDUIT RUNS.
			INDICATES GREEN CODE SIZE EQUIPMENT GROUNDING CONDUCTOR.
			HOMERUN TO DESTINATION AS INDICATED. REFER TO CONDUIT SYMBOL ABOVE.
			INDICATES CONDUIT DROP WITHIN BUILDING WALL. REFER TO CONDUIT SYMBOL ABOVE.
			INDICATES CONDUIT RISER WITHIN BUILDING WALL. REFER TO CONDUIT SYMBOL ABOVE.
			INDICATES CONDUIT STUB. CAP AND MARK IN PLACE AS PART OF RECORD DOCUMENTS.
			INDICATES CONDUIT CONTINUATION
			FLEXIBLE CONDUIT CONNECTION. CONFIRM WITH MANUFACTURER CONNECTION REQUIREMENTS AND NUMBER OF CONDUCTORS PRIOR TO ROUGH IN.
			GROUND CONNECTION SIZED AS INDICATED OR PER NEC ARTICLE 250
		GENERAL NOTES: — LIGHT LINEWEIGHT REPRESENTS WORK WHICH IS EXISTING TO REMAIN UNDISTURBED. — HEAVY LINEWEIGHT REPRESENTS WORK TO BE COMPLETED AS PART OF THIS PACKAGE. ----- DASHED LINEWEIGHT REPRESENTS WORK WHICH IS DEMO TO BE DEMOLISHED.	

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

IBP/Architecture

4611 Teller Avenue

Newport Beach, CA 92660


ph: 949.673.0300 fx: 949.732.3895

architecture

planning

interiors

CONSULTANT



SALASO'BRIEN

[expect a difference]

8825 RESEARCH DRIVE

IRVINE, CA 92618

TEL: (949) 753-1553

2022-04776-00

06-23-23

www.salasobrien.com

E-Mail mail@ombengrs.com

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER

No. 13442

Exp. 08/30/24

ELECTRICAL

STATE OF CALIFORNIA

△

△

△

SHEET TITLE:

E002

PROJECT NO.: 21011.11 PROJECT ARCH:

DRAWN: CHECKED:

SHEET NUMBER

DATE: 07/05/2023 SHEET: OF:

MOUNTING: SURFACE - NEMA 3R														(E) PANEL B4														BUS: 125A							
A.I.C. RATING: 18,000 AMPS (minimum)														208 / 120 VOLTS, 3 PHASE, 4 WIRE														MAIN: 100A							
LOCATION:																												Feeder OCPD: 125A				Fed From:			
NOTE	DESCRIPTION	Volt-Amps			Ltg	Rec	Misc	Wire Size	Len (ft)	VD %	Ckt Brkr	Ckt No	A B C			Ckt No	Ckt Brkr	VD %	Len (ft)	Wire Size	Misc	Rec	Ltg	Volt-Amps			DESCRIPTION	NOTE							
		Ø AN	Ø BN	Ø CN									Ø AN	Ø BN	Ø CN																				
(E) LOAD		500										20/1	1		2	20/1											(E) LOAD								
(E) LOAD			500									20/1	4		4	20/1									500		(E) LOAD								
(E) LOAD				500								20/1	5		6	20/1										500		(E) LOAD							
(E) LOAD		500										20/1	7		8	20/1									500		(E) LOAD								
(E) LOAD			500									20/1	9		10	20/1										500		(E) LOAD							
(E) LOAD				500								20/1	11		12	20/1											500		(E) LOAD						
(E) LOAD		500										20/1	13		14	20/1									500		(E) LOAD								
(E) LOAD			500									20/1	15		16	20/1										500		(E) LOAD							
(E) LOAD				500								20/1	17		18	20/1											500		(E) LOAD						
(E) LOAD		500										20/1	19		20	20/1									500		(E) LOAD								
(E) LOAD			500									20/1	21		22	20/1										500		(E) LOAD							
(E) LOAD				500								20/1	23		24	20/1											500		(E) LOAD						
(E) LOAD		500										20/1	25		26	20/1									500		(E) LOAD								
(E) LOAD			500									20/1	27		28	20/1										500		(E) LOAD							
(E) LOAD				500								20/1	29		30	20/1											500		(E) LOAD						
(E) LOAD		500										20/1	31		32	20/1									500		(E) LOAD								
(E) LOAD			500									20/1	33		34	20/1										500		(E) LOAD							
(E) LOAD				500								20/1	35		36	20/1											500		(E) LOAD						
(E) LOAD		500										20/1	37		38	20/1									500		(E) LOAD								
(E) LOAD			500									20/1	39		40	20/1				#12 Cu								IRRIGATION CONTROLLER	10						
(E) LOAD				500								20/1	41		42	20/1				#12 Cu								SITE LIGHTING	10						
PANEL CALCULATION																Ø AN			Ø BN			Ø CN			Ø A + Ø B + Ø C										
CONNECTED LOAD		CONNECTED LOAD:														7,000 VA			6,500 VA			6,500 VA			20,000 VA										
																HIGH LINE CURRENT = 55.6 A						HIGH LINE CURRENT (ØA) = 58.3 A													

PANEL INDEX	
	B4
	—
	—

SPECIFIC PANEL SCHED. NOTES

"1"	PROVIDE LOCK-ON DEVICE;
"2"	PROVIDE LOCK-OFF DEVICE.
"3"	PROVIDE SHUNT TRIP DEVICE.
"4"	PROVIDE GFCI TYPE DEVICE.
"5"	PROVIDE A RED CIRCUIT BREAKER IDENTIFIED AS "FIRE ALARM CIRCUIT". PROVIDE LOCATION OF CIRCUIT BREAKER PERMANENTLY IDENTIFIED AT FIER ALARM CONTROL UNIT.
"6"	PROVIDE AFCI TYPE DEVICE COMPLYING WITH NEC, OR CEC WHERE ADOPTED, 210.12(A) & (B).
"7"	PROVIDED BY GROWTHPOINT. PANEL PER GROWTHPOINT PC PLANS.
"8"	NEW LOAD IN EXIST CIRCUIT BREAKER.
"9"	PROVIDE INSTALL AND CONNECT TO ROOF MOUNTED PHOTOCELL (TO TURN-ON LIGHTS) AND ASTRONOMICAL 7-DAY 24 HOUR TIME CLOCK (TO TURN OFF LIGHTS) AS REQUIRED FINAL PROGRAMMING PER DISTRICT.
"10"	NEW LOAD IN NEW CIRCUIT BREAKER. PROVIDE NEW CIRCUIT BREAKER AS INDICATED. NEW CIRCUIT BREAKER TO MATCH EXISTING MANUFACTURER AND AIC RATING.

PANEL SCHEDULE NOTES

1. WHERE PANEL IS INDICATED TO INCLUDE FEED THRU LUGS, PROVIDE FEED THROUGH LUGS AT THE OPPOSITE END OF THE PANELBOARD FROM THE PANELBOARD MAIN LUGS.
2. WHERE PANEL IS INDICATED TO INCLUDE DOUBLE LUGS, PROVIDE A DOUBLE LUG KIT AT THE SAME END OF THE PANELBOARD AS THE PANELBOARD MAIN LUGS.
3. WHERE PANEL CIRCUIT BREAKER RATING IS SHOWN AS SERIES RATED, PROVIDE CIRCUIT BREAKERS IN PANELBOARD WHICH ARE SERIES RATED WITH THE UPSTREAM SYSTEM FOR THE AVAILABLE FAULT CURRENT. THE PANELBOARD SHALL BE MARKED WITH THE SERIES CONNECTED RATINGS, AS WELL AS ALL MARKING AS REQUIRED BY THE NEC, OR CEC WHERE ADOPTED, 240-83(C).
4. WHERE PANEL IS INDICATED AS RECESSED OR FLUSH MOUNTED, PROVIDE SPARE CONDUITS STUBBED UP INTO THE ACCESSIBLE CEILING SPACE. PROVIDE ONE (1) 3/4" CONDUIT ONLY FOR EACH THREE (3) SPARES OR SPACES, MINIMUM OF TWO (2). EACH CONDUIT SHALL BE TAGGED, CAPPED AND MARKED FOR FUTURE USE.
5. PROVIDE BREAKER INTERLOCK WITH ADJACENT BREAKER(S) FOR ANY MULTI-WIRE BRANCH CIRCUIT BREAKER INTERLOCK GROUPING. SHALL BE BY BRANCH CIRCUIT GROUP (i.e. MULTIPLE CIRCUITS SHARING A COMMON NEUTRAL (NEC, OR CEC WHERE ADOPTED, 210.4(B)), COMMON YOKE (NEC, OR CEC WHERE ADOPTED, 210.7(B)).
6. PROVIDE BREAKER LOCK OFF DEVICE ON ANY CIRCUIT BREAKER FEEDING A TRANSFORMER AS REQUIRED, PER NEC, OR CEC WHERE ADOPTED, 450.14. WHERE AN EXISTING PANEL IS BEING ALTERED OR MODIFIED IN ANY WAY, CONTRACTOR SHALL INCLUDE ALL CONDUITS IN BASE BID TO ADD BREAKER LOCK-OFF DEVICES TO EXISTING TRANSFORMER CIRCUIT BREAKERS BASED ON CONTRACTOR'S INVESTIGATION OF EXISTING CONDITIONS.
7. ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE AND SHALL BE SUITABLE FOR 75 DEGREE AMPACITY CONDUCTORS.
8. ELECTRICAL PANELS SHALL BE DEAD FRONT SAFETY TYPE. PANELS SHALL BE MINIMUM 20" WIDE AND 5-3/4" DEEP UNLESS OTHERWISE NOTED.
9. ALL ELECTRICAL PANEL BUSSING SHALL BE TIN PLATED ALUMINUM.
10. CONDUCTORS OF A MULTI-WIRE BRANCH CIRCUIT SHALL ORIGINATE FROM THE SAME PANELBOARD. THE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRACH CIRCUIT ORIGINATES.

LIGHTING FIXTURE SCHEDULE							
SYMBOL	TYPE	MANUFACTURER CATALOG	LAMP TYPE & LUMENS	BALLAST/DRIVER TYPE	FIXTURE WATTAGE	VOLTS	REMARKS
<div>Q</div> <div>(#)</div>	<div>A</div> <div>51</div>	LITHONIA LIGHTING FIXTURE: #DSX1 LED-P1-40K- 80CRI-T(#)-MVOLT-RPA-DMG-DBLXD POLE: RSS-13'-5B-DM19AS- STLHHC-DBLXD OR APPROVED EQUAL	LED 8058 LUMENS 4000°K CRI>80	ELECT.	51	UNV	SINGLE-PIECE DIE-CAST ALUMINIUM LED AREA SINGLE HEAD LUMINAIRE. 32.71"LENGTH, 14.26"WIDTH, TENON MTD WITH RPA HARDWARE, BLACK, IP66 RATED. ROUND STRAIGHT STEEL POLE, 5"DIA, 13"HIGH, AND ROUND BASE COVER. POLE AND FIXTURE FINISH TO MATCH.
		-	-	-	-	-	

NOTE: (#) REPRESENTS LIGHT DISTRIBUTION TYPE PER MANUFACTURE. T(#) CORRESPONDS TO (#) PER PLAN DRAWINGS.

LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE GENERAL NOTES:

1.

FIXTURES SHALL HAVE APPROPRIATE UL LABEL, DAMP, OR WET AS REQUIRED BY CODES AND ORDINANCES.

2.

LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE ALL NECESSARY HARDWARE AS REQUIRED BY THE SPECIFICATIONS, DRAWINGS, AND PROJECT CONDITIONS FOR A COMPLETE AND OPERABLE INSTALLATION.

3.

CONTRACTOR SHALL VERIFY FIXTURE VOLTAGES.

4.

ENSURE COMPATIBILITY OF ALL LIGHTING SYSTEM COMPONENTS SUCH AS DIMMING SYSTEMS. FIXTURES, LAMPS, BALLAST(S)/ DRIVER(S), DIMMING PROTOCOL, AND DIMMING SYSTEMS/INDIVIDUAL CONTROLS MUST BE FACTORY CERTIFIED COMPATIBLE FOR FULL RANGE OF DIMMING COMPATIBILITY.

5.

FIXTURES SHALL BE ORDERED WITH APPROPRIATE BALLAST(S)/ DRIVER THAT HAVE UL AND CBM LABELS. ALL BALLASTS/ DRIVER MUST CONFORM TO TITLE 24 REQUIREMENTS FOR PERFORMANCE AND EFFICIENCY.

6.

ALL FIXTURES, TRIMS, REFLECTORS, AND LAMPS SHALL BE CLEANED FREE FROM DIRT, DUST, LABEL ADHESIVE, AND FINGER PRINTS.

7.

ALL LIGHT FIXTURES SHALL BE MOUNTED AND SUPPORTED IN ACCORDANCE WITH OSHA STANDARDS AND ALL LOCAL, STATE, AND NATIONAL ELECTRICAL CODES. PROVIDE ALL REQUIRED SEISMIC BRACING FOR SUSPENDED LIGHT FIXTURES.

8.

COORDINATE FIXTURE AND TRIM FINISHES WITH ARCHITECT PRIOR TO ORDERING.

9.

EACH DIMMED CIRCUIT SHALL CARRY A SEPARATE NEUTRAL CONDUCTOR WITH TRACER COLOR TO MATCH PHASE CONDUCTOR.

10.

ALL NECESSARY EQUIPMENT/ COMPONENTS ARE TO BE PROVIDED BY CONTRACTOR FOR A COMPLETE OPERATING CONTROL SYSTEM, INCLUDING BUT NOT LIMITED TO EMERGENCY LIGHTING, OCCUPANCY SENSOR, DAYLIGHT CONTROLS, AND DIMMING TO MEET ALL REQUIREMENTS OF 2022 CALIFORNIA TITLE 24.

11.

ALL LIGHTING FIXTURES INSTALLED SHALL BE COMPATIBLE WITH THE LIGHTING CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO ELV DIMMERS, MLV DIMMERS, 0-10V DIMMERS AND SHALL BE INCLUDED IN THE BID DOCUMENTS.

12.

NON-RESIDENTIAL BUILDINGS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CALIFORNIA TITLE 24 SECTIONS 130.4(a) THROUGH 130.4(c). A CERTIFICATE OF ACCEPTANCE SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY UNDER SECTION 10-103(a) OF PART 1 FOR AUTOMATIC DAY LIGHT CONTROLS AND LIGHTING CONTROLS.

13.

ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BASE BID AND CONTRACT INSTALLATION AND COMMISSIONING OF ALL LIGHTING CONTROLS INCLUDING BUT NOT LIMITED TO OCCUPANCY SENSORS, TIMERS, DIMMING CONTROLS, AND DAY-LIT ZONE CONTROLS. CONTRACTOR IS ALSO REQUIRED TO VERIFY THAT THE LIGHTING CONTROLS ARE ADJUSTED, PROGRAMMED AND FUNCTIONING IN ACCORDANCE WITH THE DESIGN AND MANUFACTURE'S INSTALLATION INSTRUCTIONS.

14.

CONTRACTOR IS RESPONSIBLE FOR SUBMITTING DOCUMENTATION (INSTALLATION FORMS [NRCI]) CERTIFYING THAT THE LIGHTING SYSTEMS ARE IN COMPLIANCE WITH OR EXCEED THE PERFORMANCE REQUIREMENTS. CONTRACTOR SHALL ALSO FURNISH CEC T24 REQUIRED FUNCTIONAL PERFORMANCE TESTING BY A CERTIFIED LIGHTING CONTROLS TEST TECHNICIAN (CALCATT) AND/ OR SUBMIT DOCUMENTATION (ACCEPTANCE FORMS [NRCA]) AS REQUIRED.

15.

FOR LED FIXTURES, THE DRIVER, LED AND FIXTURE SHALL BE FULLY UL CERTIFIED AS A SYSTEM, INCLUDING ANY OPTIONAL EMERGENCY BATTERY PACKS, SPECIAL DRIVERS (DIMMING). COMPONENTS LISTED DISCRETELY SHALL NOT BE PERMITTED.

16.

ALL LIGHTING CONTROLS AND EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS IN CALIFORNIA ENERGY CODE 110.9 AND STALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION IN ACCORDANCE WITH SECTION 130.1.

17.

PHOTOMETRIC TESTING FOR ALL LED FIXTURES SHALL BE FOR IES LM-70-80 AND TEST REPORTS SHALL BE INCLUDED WITH ALL FIXTURES SUBMITTALS.

18.

LUMEN MAINTENANCE REPORTS (IES LM-80) REPORTS ARE ALSO REQUIRED WITH ALL LED FIXTURE SUBMITTALS. LM-80 RESULTS ARE TO INCLUDE A MINIMUM OF 10,000 HOURS TESTING AND REFERENCED TO TM-21 FOR TOTAL LUMEN MAINTENANCE. NO EXTRAPOLATED L-70 ESTIMATES WILL BE ACCEPTED.

19.

PROVIDE A MINIMUM 5 YEAR WARRANTY ON AN LED FIXTURES.

20.

PROVIDE STANDARD DEVIATION OF COLOR MATCHING (SDCM) BASED ON THE MAC ADAM ELLIPSE, AND NUMBER'S OR QUANTITIES OF ELLIPSE VARIATIONS FOR LED COLOR ACCURACY.

21.

ALL LED FIXTURES SUBMITTALS SHALL INCLUDE DATA ON LED CHIP MANUFACTURER AND CHIP DATA, AS WELL AS DRIVER MANUFACTURER, DATA AND CUT SHEETS.

22.

LAMPS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THIS FIXTURE SCHEDULE AND PROJECT SPECIFICATIONS. ENSURE COMPATIBILITY BETWEEN FIXTURE, LAMP AND BALLAST(S).

EMERGENCY LIGHTING NOTES:

1.

PROVIDE EMERGENCY REFLECTORS OR HOUSING WHEN OPTION IS AVAILABLE FROM MANUFACTURE TO ALLOW FOR INSTALLATION OF BATTERY PACKS, TEST SWITCHES, PILOT LIGHTS, ETC. WITHIN FIXTURES.

2.

WHEN OPTIONAL EMERGENCY REFLECTORS OR HOUSINGS ARE NOT AVAILABLE, REMOTE BATTERY PACKS, TEST SWITCHES, PILOT LIGHTS, ETC. ARE TO BE INSTALLED IN THE MOST CONSPICUOUS LOCATION AS ALLOWED BY CODE AND LOCAL AHJ REQUIREMENTS. COORDINATE LOCATION WITH ARCHITECT AND/OR ELECTRICAL ENGINEER PRIOR TO ANY ROUGH-IN.

3.

ALL NIGHT LIGHTS, BATTERY PACKS AND EXIT SIGNS SHALL CONTAIN AN UNSWITCHED, UNDIMMED, HOT CONDUCTOR AND BE IN COMPLIANCE WITH NEC ARTICLE 700.

4.

SHALL BE INSPECTED AND TESTED AS DESCRIBED IN THE 2019 CEC SECTION 604.6 AND 604.7.

5.

THE BRANCH CIRCUIT FEEDING EMERGENCY EQUIPMENT (EMERGENCY LIGHT WITH SELF-CONTAINED RECHARGEABLE BATTERY) SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THAT AREA.

6.

LIGHTING SYSTEMS WITH SELF-CONTAINED RECHARGEABLE BATTERY SHALL MEET CEC TITLE 20 REQUIREMENTS.

SUBSTITUTION NOTES:

1.

ALL SUBSTITUTIONS MUST BE APPROVED BY LAUSD, THE ARCHITECT AND ELECTRICAL ENGINEER, PRIOR TO SUBSTITUTIONS, THE FOLLOWING MUST BE PROVIDED (15) DAYS PRIOR TO BID TIME:

• COMPLETE AND OPERABLE SAMPLES OF SUBSTITUTIONS CONTAINING 120V CORD AND PLUG CONNECTIONS, ALONG WITH CURRENT MANUFACTURE'S DATA SHEETS.

• PHOTOMETRIC STUDIES UTILIZING IES STANDARD PHOTOMETRIC DATA AND SOFTWARE FOR THIS PROJECT USING PROPOSED SUBSTITUTIONS FIXTURES TO ENSURE DESIGN INTENT IS MET. LUMEN OUTPUT AND LIGHT LOSS FACTOR VALUES TO BE DICTATED BY OMB ELECTRICAL ENGINEERS FOR THIS STUDY.

• WHEN APPLICABLE, PHOTOMETRIC STUDIES OF EMERGENCY LIGHTING APPLICATIONS FOR ALL REQUIRED AREAS IN THIS PROJECT UTILIZING PROPOSED SUBSTITUTIONS. BATTERY LUMEN OUTPUT VALUES TO BE BASED ON EMERGENCY LIGHTING NOTES CONTAINED HERE WITHIN.

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT

BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

ASSET MANAGEMENT

FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR

LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET

LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP

BP/Architecture

4611 Teller Avenue

Newport Beach, CA 92660

ph: 949.673.0300 fx: 949.732.3895

architecture

planning

interiors

CONSULTANT

SALASO'BRIEN

[expect a difference]

8825 RESEARCH DRIVE

IRVINE, CA 92618

TEL: (949) 753-1553

2022-04776-00

06-23-23

www.salasobrien.com

E-Mail mail@ombengrs.com

STAMPS/SEALS

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER

No. 13442

Exp. 08/30/24

ELECTRICAL

STATE OF CALIFORNIA

SHEET TITLE:

LIGHTING FIXTURE SCHEDULE

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

SHEET NUMBER

E020

DATE: 07/05/2023

SHEET: OF:

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Bethune Middle School Quad Redesign

Report Page: (Page 4 of 6)

Project Address: 155 W 69TH ST

Date Prepared: 5/3/2023

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

01	02	03	04	05
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector
				Pass
				Fail

* NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EK: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c)

I. LIGHTING POWER ALLOWANCE (per §140.7)

This table includes areas using allowance calculations per §140.7, General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

01	02	03	04	05	06	07	08	09	10
General Hardscape Allowance Table I (below)	Per Application Table J	Sales Frontage Table K	Ornamental Table L	Per Specific Area Table M					
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)									
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)									
Area Description	Surface Type	Area Wattage Allowance (AWA) Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)	
Quad Lighting	Asphalt	31782	0.025	794.6	936	0.2	234	1029	
Initial Wattage Allowance for Entire Site (Watts):								350	
Total General Hardscape Allowance (Watts):								1379	

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

Report Generated: 2023-05-03 13:39:42

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Bethune Middle School Quad Redesign

Report Page: (Page 5 of 6)

Project Address: 155 W 69TH ST

Date Prepared: 5/3/2023

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

Form/Title	Field Inspector	
	Pass	
	Fail	
NRCC-LTO-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

Report Generated: 2023-05-03 13:39:42

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Bethune Middle School Quad Redesign

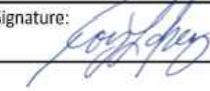
Report Page: (Page 6 of 6)

Project Address: 155 W 69TH ST

Date Prepared: 5/3/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Roy Lopez	Documentation Author Signature: 
Company: Salas O'Brien Engineers	Signature Date: 2023-05-03
Address: 8825 Research Drive	CEA/HERS Certification Identification (if applicable):
City/State/Zip: Irvine CA 92618	Phone: 949-753-1553

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Roy Lopez	Responsible Designer Signature: 
Company: Salas O'Brien	Date Signed: 2023-05-03
Address: 8825 Research Dr.	License: 613442
City/State/Zip: Irvine CA 92618	Phone: 949-753-1553

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Bethune Middle School Quad Redesign

Report Page: (Page 1 of 6)

Project Address: 155 W 69TH ST

Date Prepared: 5/3/2023

A. GENERAL INFORMATION

01 Project Location (city)	LOS ANGELES	04 Total Illuminated Hardscape Area (ft²)	31782
02 Climate Zone	6		
03 Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):			
<input type="checkbox"/> LZ-0: Very Low - Undeveloped Parkland	<input type="checkbox"/> LZ-2: Moderate - Rural Areas	<input type="checkbox"/> LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
<input type="checkbox"/> LZ-1: Low - Developed Parkland	<input checked="" type="checkbox"/> LZ-3: Moderately High - Urban Areas		

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2), for alterations.

My Project Consists of:

01	02	03	04	05
<input type="checkbox"/> New Lighting System	Must Comply with Allowances from §140.7			
<input checked="" type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
03 % of Existing Luminaires Being Altered¹	04 Sum Total of Luminaires Being Added or Altered	05 Calculation Method		
<input type="checkbox"/> < 10%	<input type="checkbox"/> >= 10% and < 50%	<input type="checkbox"/> >= 50%		

Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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Schema Version: rev 20200601

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Bethune Middle School Quad Redesign

Report Page: (Page 2 of 6)

Project Address: 155 W 69TH ST

Date Prepared: 5/3/2023

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05	06	07	08	09
General Hardscape Allowance §140.7(d)1 (See Table I)	+	Per Application §140.7(d)2 (See Table J)	+	Sales Frontage §140.7(d)2 (See Table K)	+	Ornamental §140.7(d)2 (See Table L)	+	Per Specific Area §140.7(d)2 (See Table M)
1,378.55	+	---	+	---	+	---	+	---
Cutoff Compliance (See Table G for Details)							N/A	
Controls Compliance (See Table H for Details)							COMPLIES	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

Report Generated: 2023-05-03 13:39:42

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Bethune Middle School Quad Redesign

Report Page: (Page 3 of 6)

Project Address: 155 W 69TH ST

Date Prepared: 5/3/2023

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7, all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included).

Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire¹,²	How is Wattage determined	Total number luminaires²	Luminaire Status³	Excluded per §140.7(a)	Design Watts	Cutoff Req. > 6,200 Initial lumen output §130.2(b)¹	Field Inspector
A	A	<input type="checkbox"/> Linear	51	Mfr. Spec	14	New	<input type="checkbox"/>	NA: < 6200 lumens	Pass
Total Design Watts:							714		

* NOTES: Selections with a * requires a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)
¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.2(b)
² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)

G. CUTOFF REQUIREMENTS (BUG)

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

Report Generated: 2023-05-03 13:39:42

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-123235 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/10/2023

A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

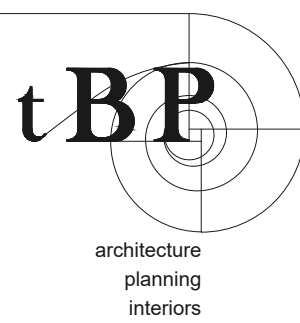
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4011 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architecture
planning
interiors

CONSULTANT

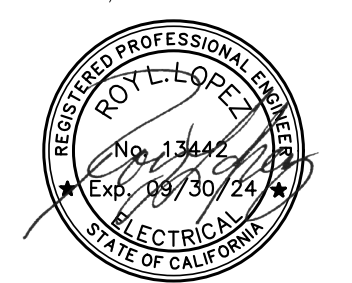


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TEL: (949) 753-1553

2022-04776-00

06-23-23
www.salasobrien.com
E-Mail mail@ombengrs.com

STAMPS/SEALS



△
△
△

SHEET TITLE:

TITLE 24 (EXTERIOR)

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

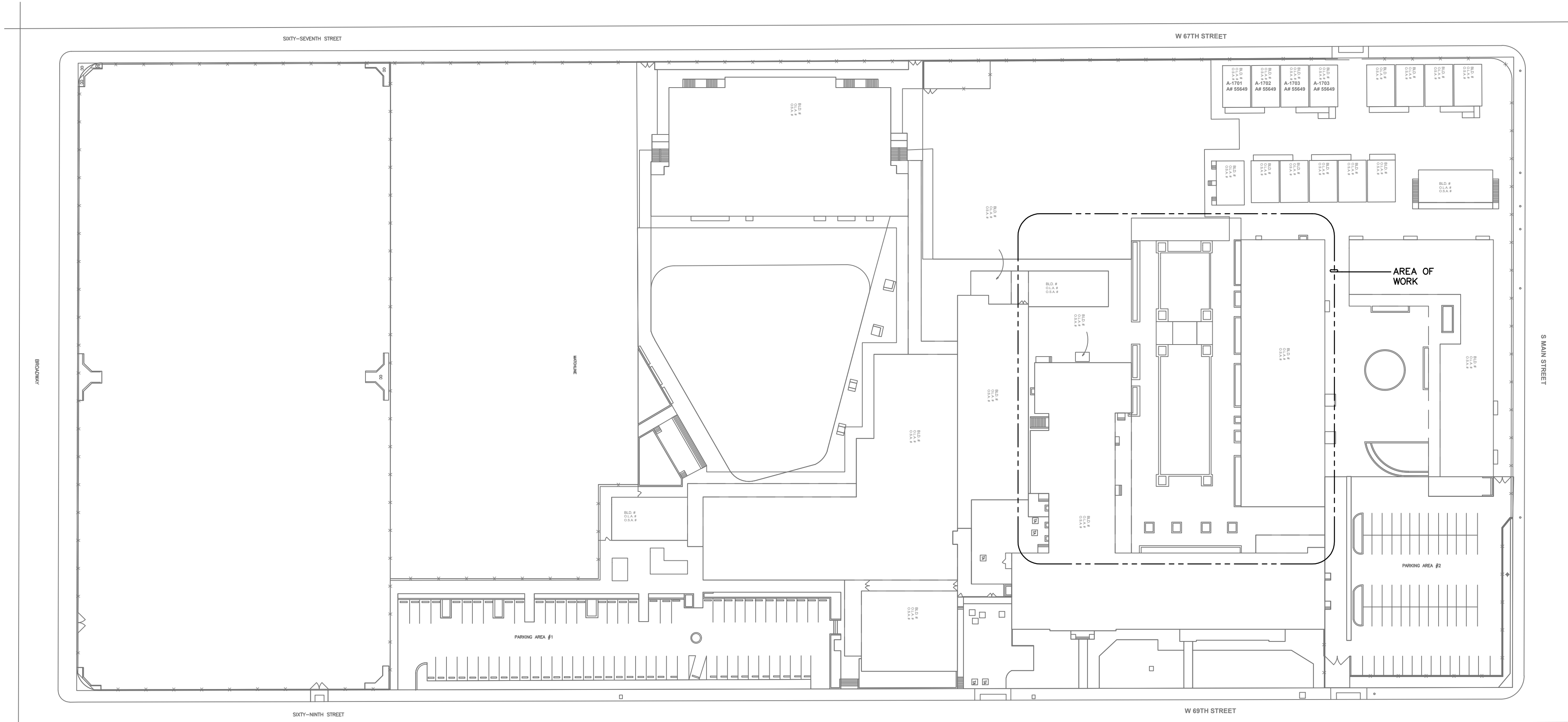
CHECKED:

SHEET NUMBER

E040

DATE: 07/05/2023

SHEET: OF:



1 SITE PLAN
E100 SCALE: 1/64"=1'-0"

GENERAL SITE NOTES:

1. CONTRACTOR SHALL VERIFY THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO COMMENCEMENT OF WORK BY CONTACTING UNDERGROUND SERVICE ALERT (U.S.A.) AT 1(800) 422-4133, OR OTHER LOCAL APPLICABLE UNDERGROUND SERVICE ALERT AGENCIES.
2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
3. ELECTRICAL DRAWINGS ILLUSTRATE LOCATIONS OF FIXTURES AND ASSEMBLIES, PULL BOXES, MANHOLES, HANDHOLES AND VAULTS, INCLUDING OTHER ELECTRICAL UNDERGROUND STRUCTURES AND PATHWAYS. CONTRACTOR SHALL CLOSELY COORDINATE EXACT LOCATIONS AND MOUNTING DEPTHS OF ALL DEVICES, STRUCTURES AND PATHWAYS WITH OTHER TRADES PRIOR TO PLACEMENT, TO ENSURE FINAL LOCATIONS ARE OUTSIDE CRITICAL LANDSCAPE AND ARCHITECTURAL AREAS AND NOT IN CONFLICT WITH THE INSTALLATION OF MATERIALS BY OTHER TRADES.
4. ALL EQUIPMENT LOCATED OUTDOORS SHALL BE WEATHERPROOF, NEMA 3R RATED.
5. MINIMUM CONDUIT SIZE SHALL BE 3/4" - U.O.N.
6. MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. - U.O.N.
7. ALL SITE BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR THAT, AT MINIMUM, MATCHES THE SIZE OF THE ASSOCIATED BRANCH CIRCUIT CONDUCTOR. WHERE MULTIPLE BRANCH CIRCUITS ARE ROUTED/GROUPED TOGETHER, THE EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH THE SIZE OF THE LARGEST BRANCH CIRCUIT CONDUCTOR IN THE GROUP.
8. ALL CONDUIT ONLY SHALL BE PROVIDED WITH A NYLON PULL STRING.
9. SEE ARCHITECTURAL/LANDSCAPE ARCHITECT PLANS FOR EXACT LOCATION OF FIXTURES, PULLBOXES, MANHOLES, OTHER ELECTRICAL DEVICES, ETC. COORDINATE ALL UNDERGROUND STRUCTURES AND CONDUIT ROUTING WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN TO ENSURE SUCH ITEMS ARE NOT PLACED IN CRITICAL PLANTING/HARDSCAPE AREAS.
10. FOR ADDITIONAL REQUIREMENTS, SEE POWER SINGLE LINE DIAGRAM.

DIG ALERT

Underground Service Alert

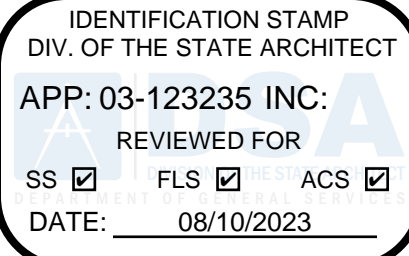


Call: TOLL FREE
1-800
227-2600

TWO WORKING DAYS BEFORE YOU DIG

CAUTION:
REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE JOB SITE. THE CENTER WILL INFORM YOU OF WHOM THEY WILL NOTIFY.

DIVISION OF THE STATE ARCHITECT



A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

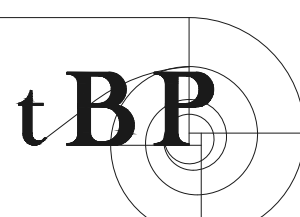
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

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COLIN NO: 10370081

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2022-04776-00

06-23-23

www.salasobrien.com
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PM EE TE FA

STAMPS/SEALS



SHEET TITLE:

OVERALL ELECTRICAL
SITE PLAN

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

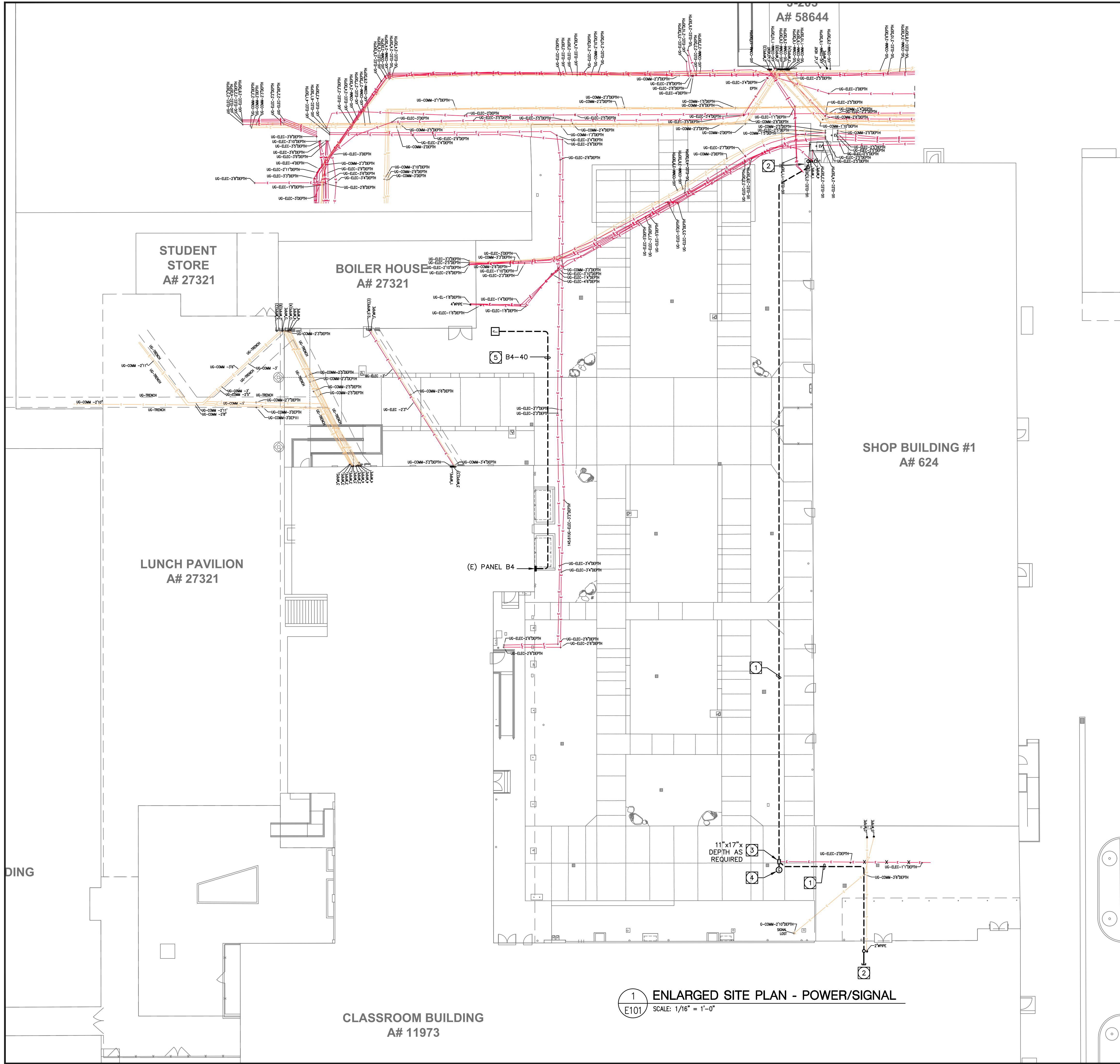
CHECKED:

SHEET NUMBER

E100

DATE: 07/05/2023

SHEET: OF:



GENERAL POWER NOTES:

- ALL WALL MOUNTED DEVICE HEIGHTS SHALL BE VERIFIED WITH ARCHITECTURAL ROOM ELEVATIONS PRIOR TO ROUGH-IN.
- ALL DEVICES MOUNTED BACK TO BACK ON COMMON WALLS SHALL BE INSTALLED IN SEPARATE BOXES AND OFFSET 24" MINIMUM OR PROVIDED WITH PUTTY OR ANOTHER APPROVED SOUND PROOF BACKING.

SHEET NOTES

- NEW IRRIGATION SYSTEM CONDUIT AND CONDUCTORS AS INDICATED. SEE E501/E-106.
- EXTEND SYSTEM CONDUIT AND CONDUCTORS TO BUILDING EQUIPMENT AND PROVIDE CONNECTIONS TO NEW SYSTEM CONDUIT/CONDUCTORS. SEE E501/E-105.
- NEW FLUSH IN GRADE OPEN BOTTOM "SPICE BOX". PLACE OVER TOP OF EXISTING SYSTEM CONDUITS FOR INTERCEPTION AND PULLING OF NEW SYSTEM CONDUCTORS. SIZE AS INDICATED. SEE E501/E-101.
- NEW GROUND WELL AND GROUND ROD TO REPLACE EXISTING. PROVIDE RECONNECTION TO EXISTING GROUND SYSTEM WITH GROUND ROD, GROUND WELL AND CONNECTIONS PER SPECIFICATIONS. SEE E501/E-102 FOR MORE DETAILS.
- JUNCTION BOX FOR IRRIGATION CONTROLLER. INSTALL PER MANUFACTURER RECOMMENDATIONS. CONTRACTOR TO VERIFY WITH LANDSCAPE DESIGNER FOR EXACT LOCATION OF IRRIGATION CONTROLLER.

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

tBP

Architecture
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architecture
planning
interiors

CONSULTANT

SALASO'BRIEN

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IRVINE, CA 92618
TEL: (949) 753-1553

2022-04776-00
06-23-23
www.salasobrien.com
E-Mail mail@ombengrs.com

STAMPS/SEALS

SHEET TITLE:

ENLARGED SITE PLAN
POWER/SIGNAL

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

CHECKED:

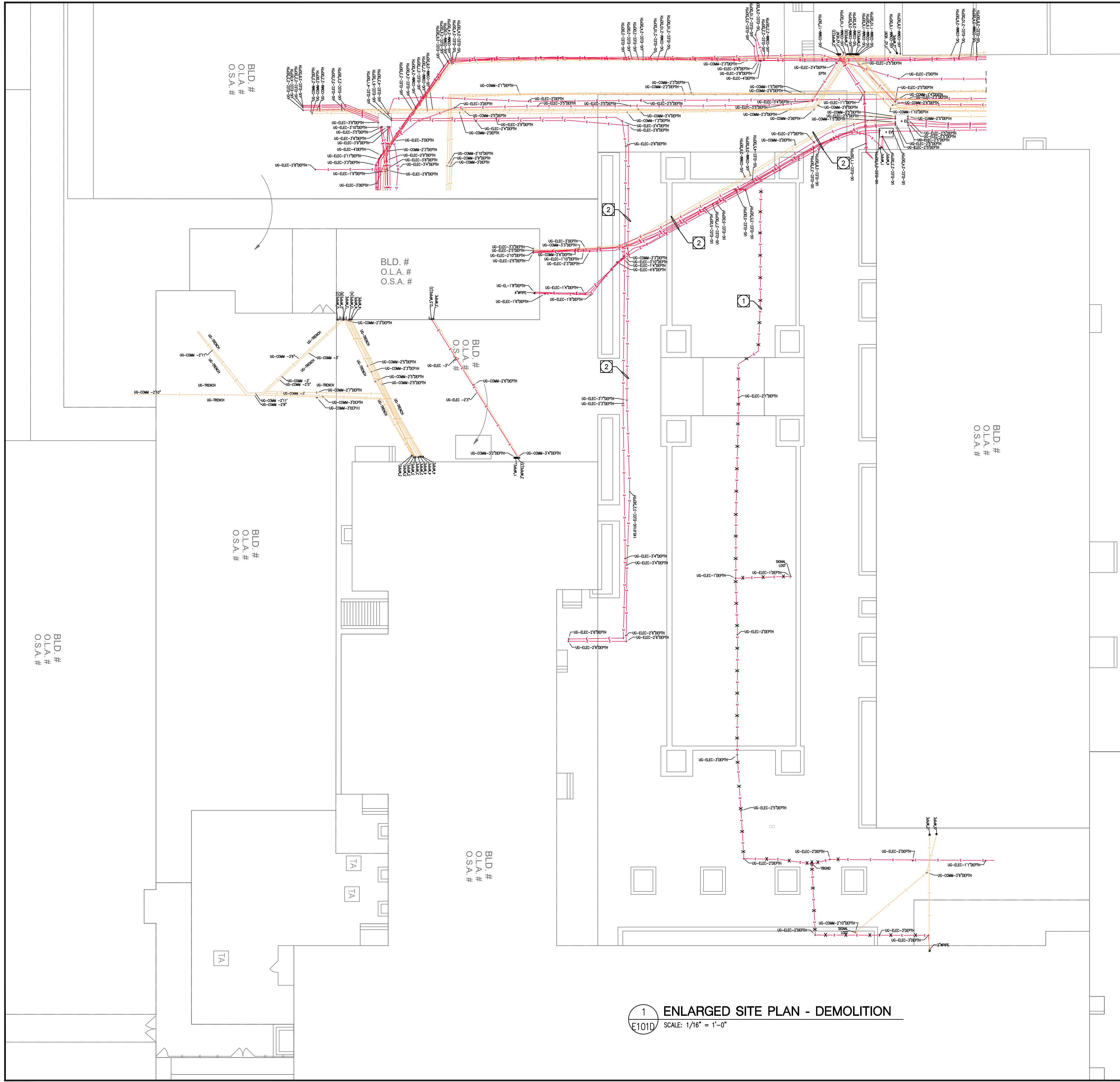
SHEET NUMBER

E101

DATE: 07/05/2023

SHEET: OF:

1 ENLARGED SITE PLAN - POWER/SIGNAL
E101 SCALE: 1/16" = 1'-0"



GENERAL NOTES:

- REFERENCE ARCHITECTURAL AND CIVIL DEMOLITION DRAWINGS FOR PLANNED DEMOLITION WALLS, CEILINGS AND SITE STRUCTURES AS WELL AS EXISTING-TO-REMAIN ITEMS.
- SEE MECHANICAL/PLUMBING DEMOLITION DRAWINGS FOR PLANNED MECHANICAL/PLUMBING EQUIPMENT DEMOLITION AND EXISTING-TO-REMAIN MECHANICAL/PLUMBING EQUIPMENT.
- CHANGE ALL OVER CURRENT PROTECTIVE DEVICES TO "OFF" POSITION WHICH SERVE LIGHTING, RECEPTACLES, MOTORS, PANELS, EQUIPMENT, ETC. BEING DEMOLISHED. REMOVE EXISTING CONDUIT AND CONDUCTORS TO THE POINT OF ORIGINATION. ENSURE NO LOADS ARE TO REMAIN "DOWNSTREAM" BEING SERVED BY SAID OVER CURRENT PROTECTIVE DEVICES AND FEEDERS/CIRCUITS AFTER DEMOLITION, PRIOR TO CHANGING "ON/OFF" POSITION.

GENERAL DEMOLITION NOTES:

- ALL EQUIPMENT, DEVICES, ETC. IDENTIFIED AS (X) TO BE DEMOLISHED BACK TO POINT OF ORIGIN. MAINTAIN CIRCUIT CONTINUITY TO ALL DEVICES IN ADJACENT AREAS AND/OR ON SITE BEING SERVED BY SAME CIRCUIT.
- ALL EXISTING FIXTURES INDICATED AS "ER" ARE EXISTING TO BE RELOCATED. SEE NEW PLANS FOR NEW LOCATIONS. MAINTAIN CIRCUIT AND SWITCHING CONTINUITY TO LIGHT FIXTURES IN ADJACENT AREAS.
- ALL EQUIPMENT, DEVICES, ETC. NOT IDENTIFIED AS BEING DEMOLISHED ARE EXISTING TO REMAIN UNDISTURBED, UNLESS NOTED OTHERWISE ON NEW PLANS. REFERENCE BUILDING PLANS FOR EXISTING DEVICES TO BE RELOCATED, RE-CIRCUITED, ETC.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS TO DETERMINE THE LOCATION OF EQUIPMENT OR OUTLETS.
- THE EXISTING CONDITIONS SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS AT SITE PRIOR TO SUBMITTING BID. ALL DEMOLITION, ALTERATION, EXTENSION, RELOCATION, REHABILITATION WORK SHALL BE INCLUDED IN CONTRACT. NO ADDITIONAL ALLOWANCE OR CHANGE ORDERS WILL BE ACCEPTED. REFERENCE ALL CONTRACTUAL DRAWINGS AND SPECIFICATIONS PRIOR TO SUBMITTING BID.
- CONTRACTOR IS RESPONSIBLE TO RELOCATE OR REMOVE FROM WALLS, CEILINGS, FLOOR SPACES, SITE, ETC. ANY EXISTING CONDUITS, WIRES, BOXES, FITTINGS, FIXTURES OR OTHER ELECTRICAL EQUIPMENT WHICH INTERFERES WITH PLANNED REMODEL WORK. PROVIDE CIRCUIT CONTINUATION REQUIRED FOR ALL EXISTING OUTLETS, FIXTURES, EQUIPMENT, ETC. SCHEDULED TO REMAIN.
- NOTIFY THE ENGINEER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, OR NOT INDICATED ON "AS-BUILT" DRAWINGS.
- CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT, UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES AND SPACES. LIMIT DAMAGE TO THE SMALLER AREA IF POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.
- EQUIPMENT, MATERIALS AND SUPPLIES TEMPORARILY REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
- DEMOLITION WORK SHALL BE DONE IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO USERS OF THE PREMISES AND ADJACENT SITE, AND NOT INTERFERE WITH ITS OPERATION. ANY DEMOLITION WORK TO BE PERFORMED MUST BE PLANNED IN ADVANCE AND COORDINATED WITH THE DISTRICT.
- ANY/ALL DRILLING, CUTTING, ETC. REQUIRED TO DEMOLISH ELECTRICAL WORK SHALL BE PERFORMED BY CONTRACTOR. STRUCTURAL ENGINEER AND DSA APPROVAL IS REQUIRED PRIOR TO ANY DRILLING, CUTTING, ETC. OF ANY STRUCTURAL MEMBER AS PART OF THIS WORK.
- PROVIDE BLANK COVER PLATES ON ALL OUTLETS EXPOSED BY REMOVAL OF FIXTURE OR DEVICES.
- RESEAL ALL PENETRATIONS OR OPENINGS THROUGH WALLS, CEILING, FLOORS, ETC., TO MAINTAIN THE RATING OF STRUCTURE PENETRATED.
- ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGED MATERIALS SHALL DISPOSED OF PROPERLY. DISPOSE OF ALL HAZARDOUS MATERIAL PER GUIDELINE OF THE STATE OF CALIFORNIA, DEPARTMENT OF HEALTH SERVICES AND OTHER AGENCIES HAVING JURISDICTION.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDUIT/WIRING RUNS, REUSE AS REQUIRED AND REMOVE ALL UNUSED CONDUIT/WIRING. UNUSED CONDUIT IN INACCESSIBLE LOCATIONS (WALLS TO REMAIN) CAN BE ABANDONED IN PLACE. REMOVE UNUSED WIRING, PROVIDE BLANK COVER PLATES ON EXISTING BOXES AND LABEL BOXES IDENTIFYING PATHWAY ENDPOINTS.

SHEET NOTES

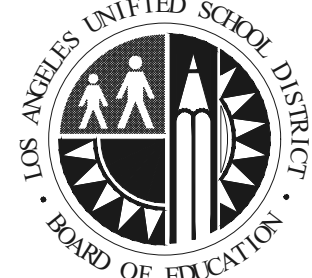
- EXISTING IRRIGATION SYSTEM CONDUIT AND CONDUCTORS TO BE REMOVED COMPLETELY. SEE NEW LANDSCAPE PLAN FOR ROUTING AND LOCATIONS.
- EXISTING POWER AND COMMUNICATION SYSTEM CONDUITS AND CONDUCTORS TO REMAIN AND BE PROTECTED IN PLACE. ALL SYSTEMS OPERATIONS TO REMAIN ONLINE AND FUNCTIONAL. ELECTRICAL CONTRACTOR TO COORDINATE WITH EXCAVATION CONTRACTOR TO HAND DIG IN AREAS WHERE CONDUIT ARE PRESENT.

1 ENLARGED SITE PLAN - DEMOLITION
SCALE: 1/16" = 1'-0"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123235 INC:
REVIEWED FOR
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DATE: 08/10/2023

A# 03-123235



LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

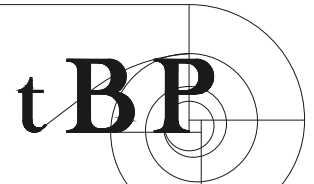
BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



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Newport Beach, CA 92660
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architecture
planning
interiors

CONSULTANT



SALASO'BRIEN
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8825 RESEARCH DRIVE
IRVINE, CA 92618
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2022-04776-00

06-23-23
www.salasobrien.com
E-Mail mail@ombengrs.com

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STAMPS/SEALS



SHEET TITLE:

ENLARGED SITE PLAN
DEMOLITION

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

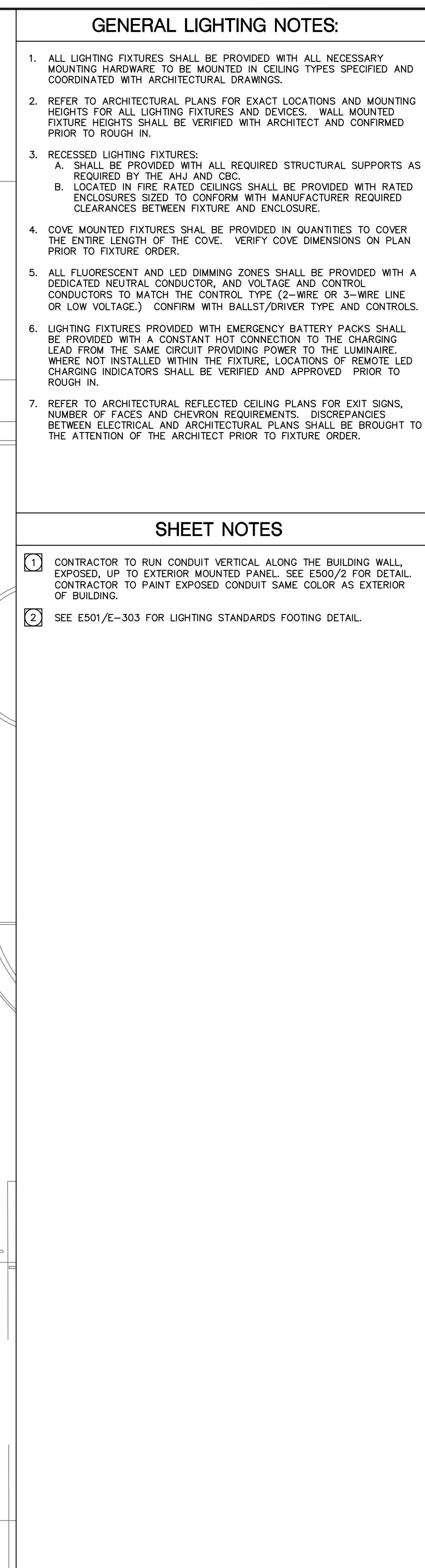
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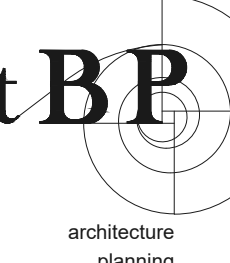


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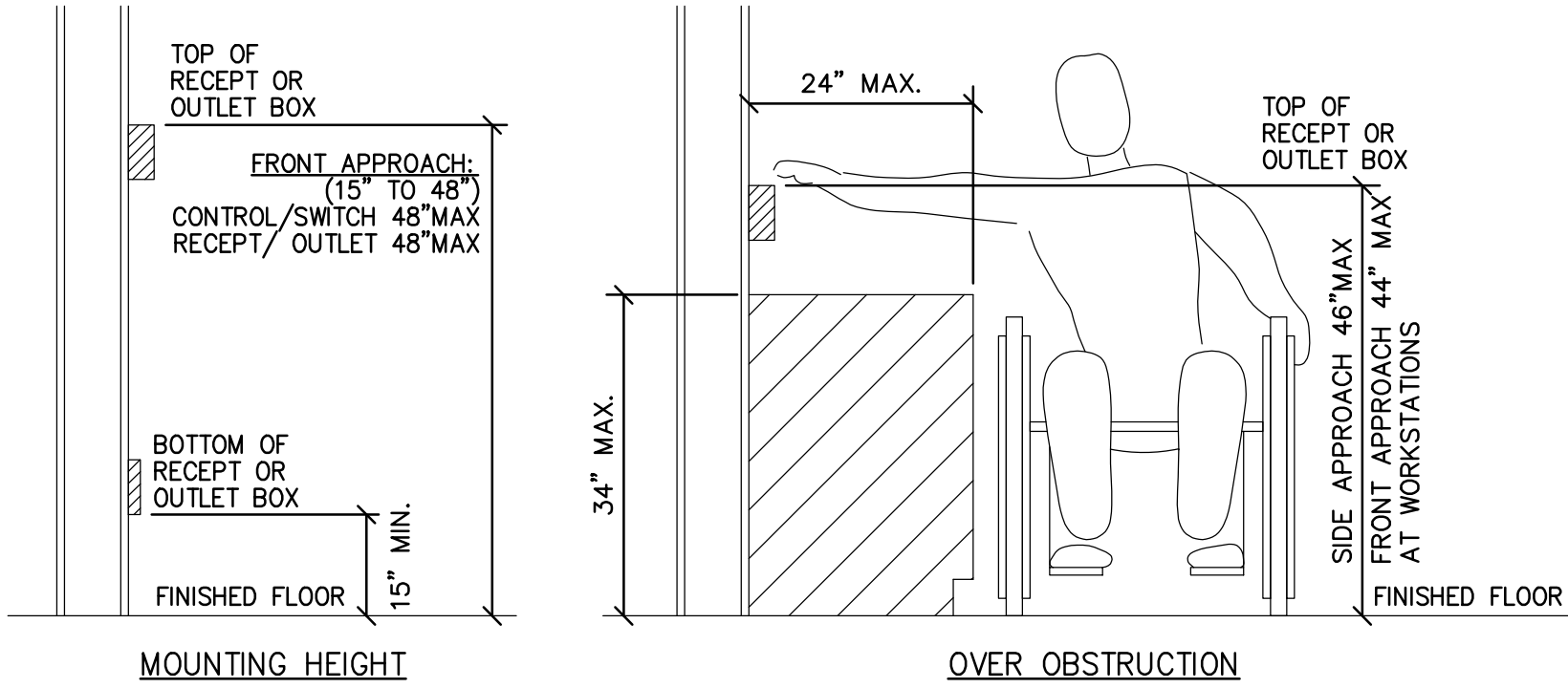
E101D

DATE: 07/05/2023

SHEET: OF:

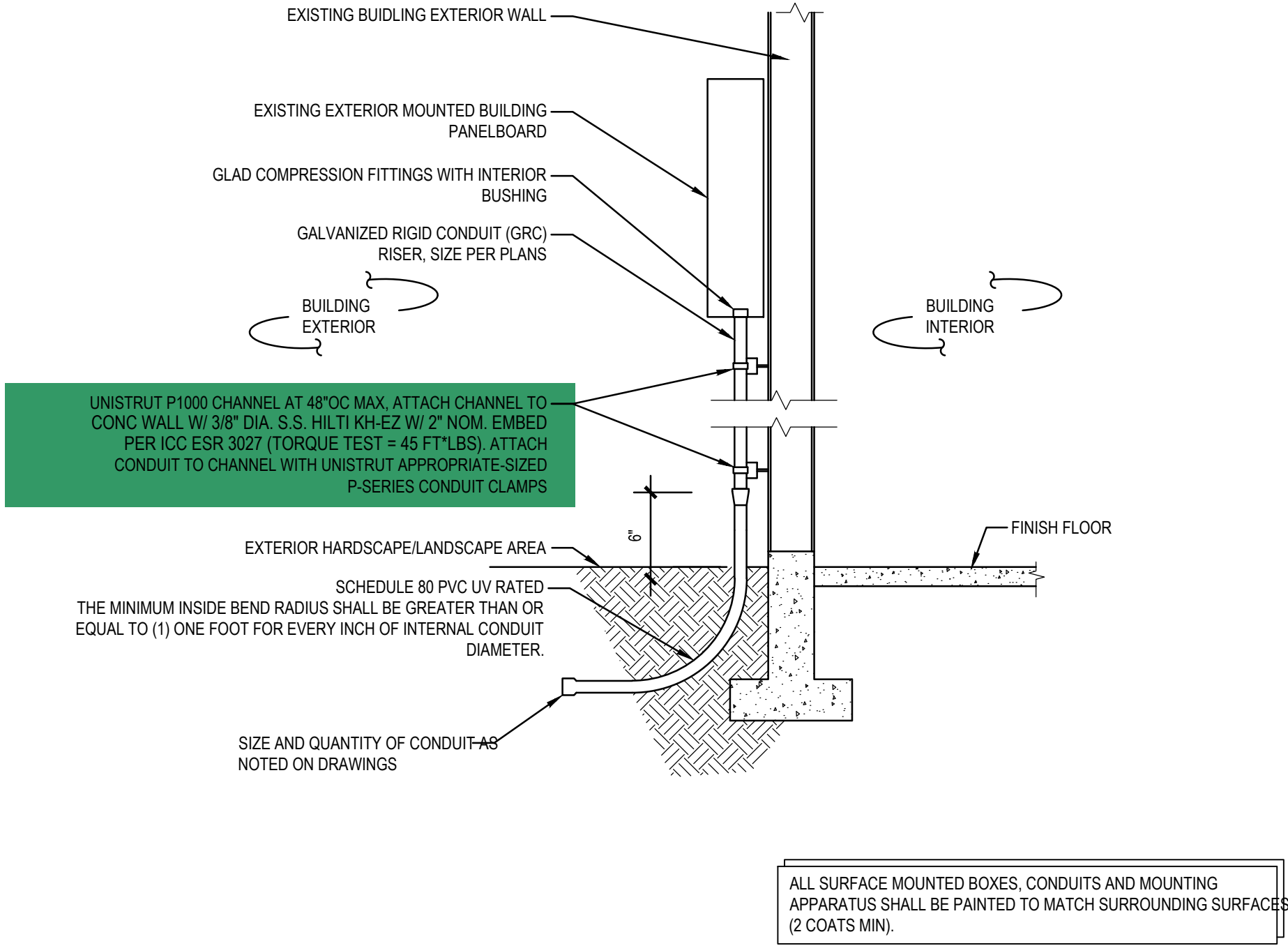


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<div>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-123235 INC: REVIEWED FOR SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input checked="" type="checkbox"/> DATE: 08/10/2023</div>	
A# 03-123235	
<div> LOS ANGELES UNIFIED SCHOOL DISTRICT BOARD OF EDUCATION</div> <div>LOS ANGELES UNIFIED SCHOOL DISTRICT ASSET MANAGEMENT FACILITIES SERVICES DIVISION 333 S. BEAUDRY AVENUE, 23RD FLOOR LOS ANGELES, CALIFORNIA 90017</div>	
PROJECT TITLE AND SCHOOL LOCATION	
BETHUNE MIDDLE SCHOOL	
QUAD REDESIGN	
155 W 69TH STREET LOS ANGELES, CA 90003	
COLIN NO: 10370081	
COMMISSIONED ARCHITECT	
<div> tBP architecture planning interiors</div>	
iBP/Architecture 4611 Teller Avenue Newport Beach, CA 92660 ph: 949.673.0300 fx: 949.732.3895	
CONSULTANT	
<div> SALAS O'BRIEN [expect a difference] 8825 RESEARCH DRIVE IRVINE, CA 92618 TEL: (949) 753-1553 2022-04776-00 06-23-23 www.salasobrien.com E-Mail mail@ombengrs.com</div>	
<div>PM EE TE FA</div>	
STAMPS/SEALS	
	
SHEET TITLE:	
ENLARGED SITE PLAN LIGHTING	
PROJECT NO: 21011.11	PROJECT ARCH:
DRAWN:	CHECKED:
SHEET NUMBER	
E201	
DATE: 07/05/2023	SHEET: OF:



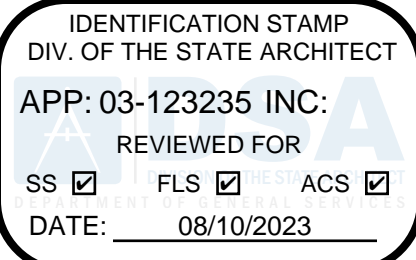
1. FIXTURES AND DEVICES ARE BASED ON 2019 CBC, FIGURE 11B–308.2.2 FOR FORWARD REACH, AND FIGURE 11B–308.2.2 FOR SIDE APPROACH.
2. ALL OUTLET AND DEVICES SHALL BE INSTALLED AND COMPLIANT PER 2019 CBC 11B–308.
3. PROVIDE 30"Wx27"Hx25"D MINIMUM TOE/KNEE CLEARANCE FOR FROMT APPROACH OVER OBSTRUCTION.

1 MOUNTING HEIGHT OVER OBSTRUCTION
E500 SCALE: NONE



2 EXTERIOR (E) PANEL CONDUIT ENTRY
E500 SCALE: NONE

DIVISION OF THE STATE ARCHITECT



A# 03-123235



LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

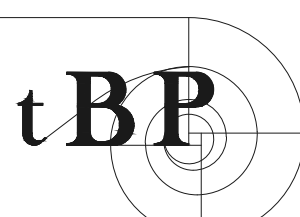
BETHUNE MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
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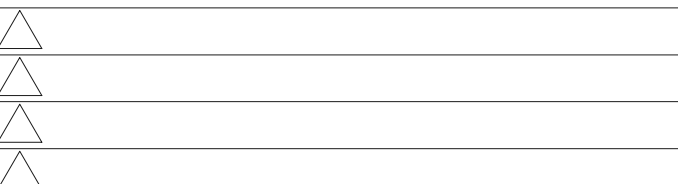
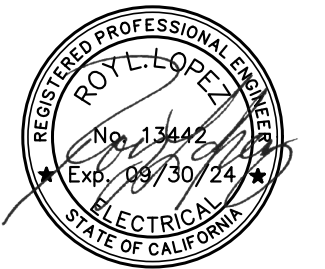
SALASO'BRIEN
[expect a difference]
8825 RESEARCH DRIVE
IRVINE, CA 92618
TEL: (949) 753-1553

2022-04776-00

06-23-23

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STAMPS/SEALS



SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO.: 21011.11

PROJECT ARCH:

DRAWN:

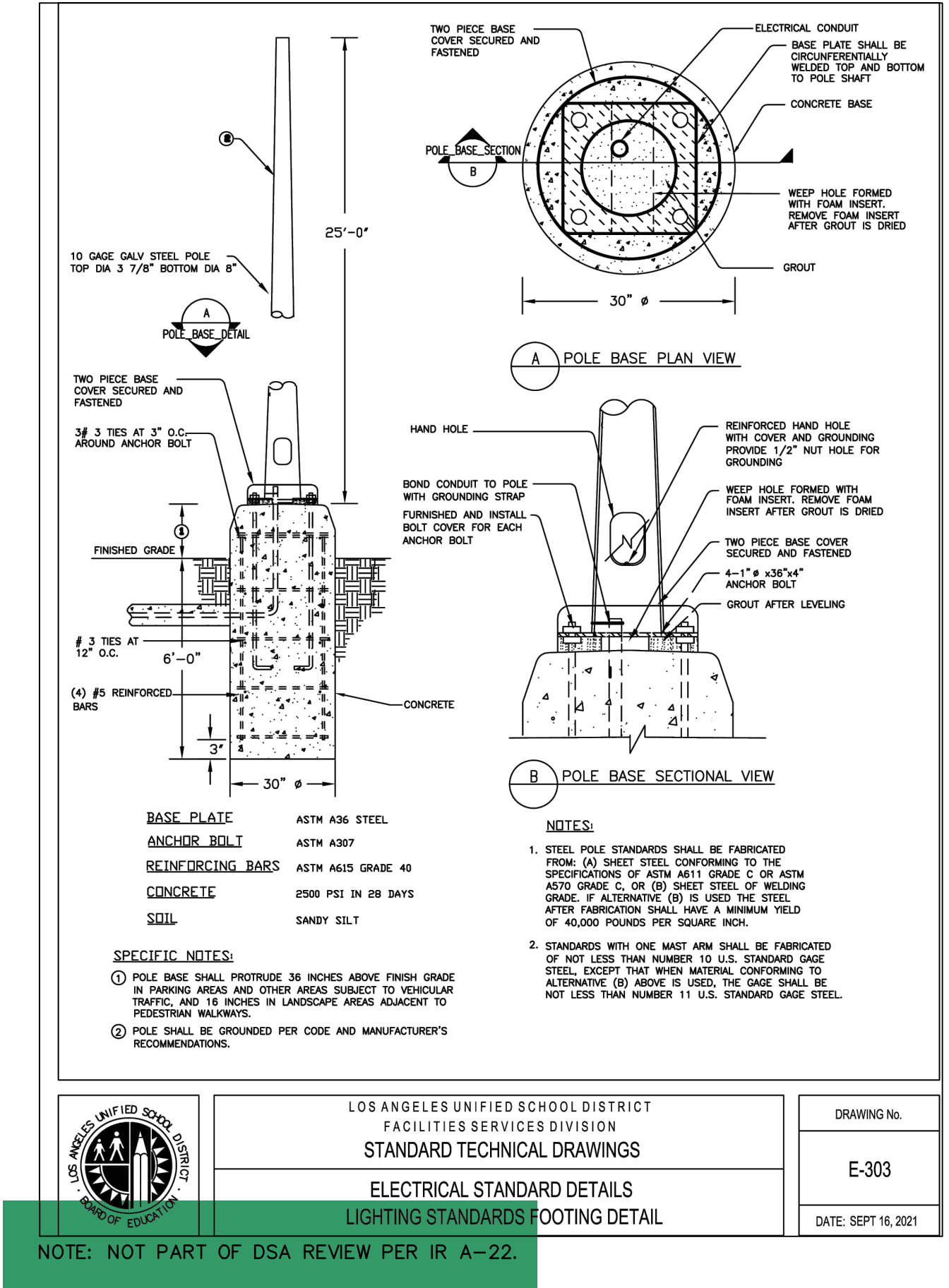
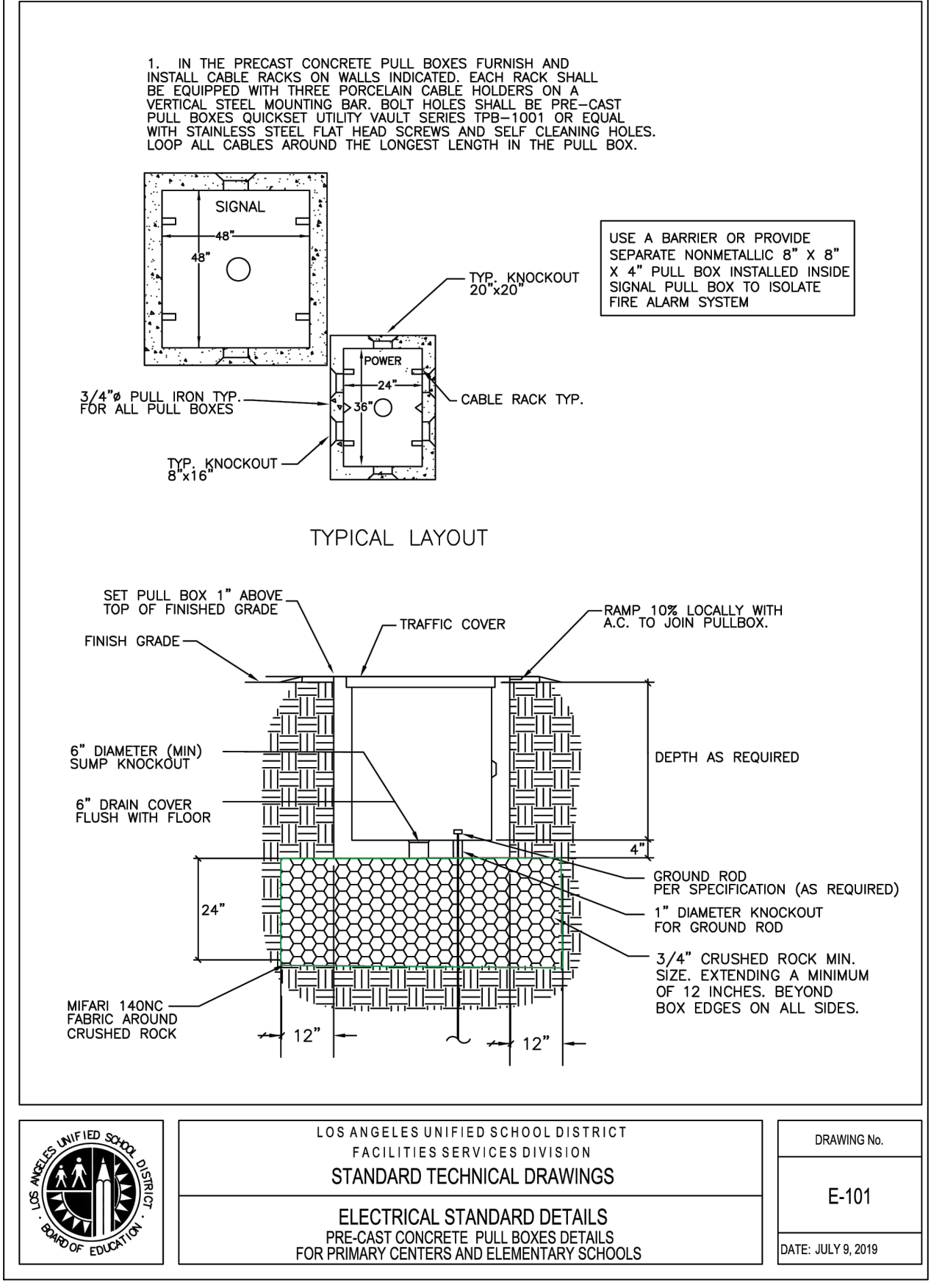
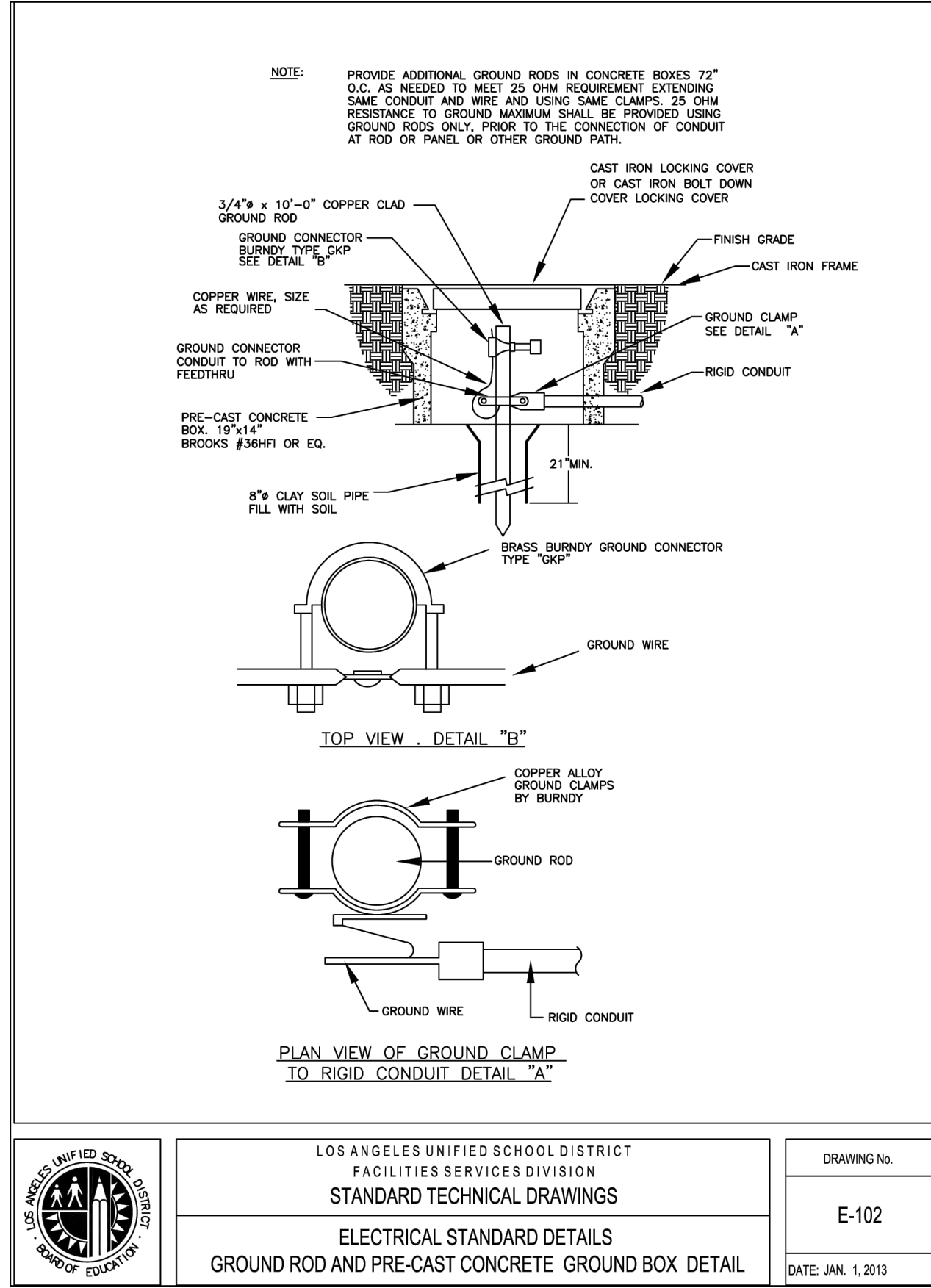
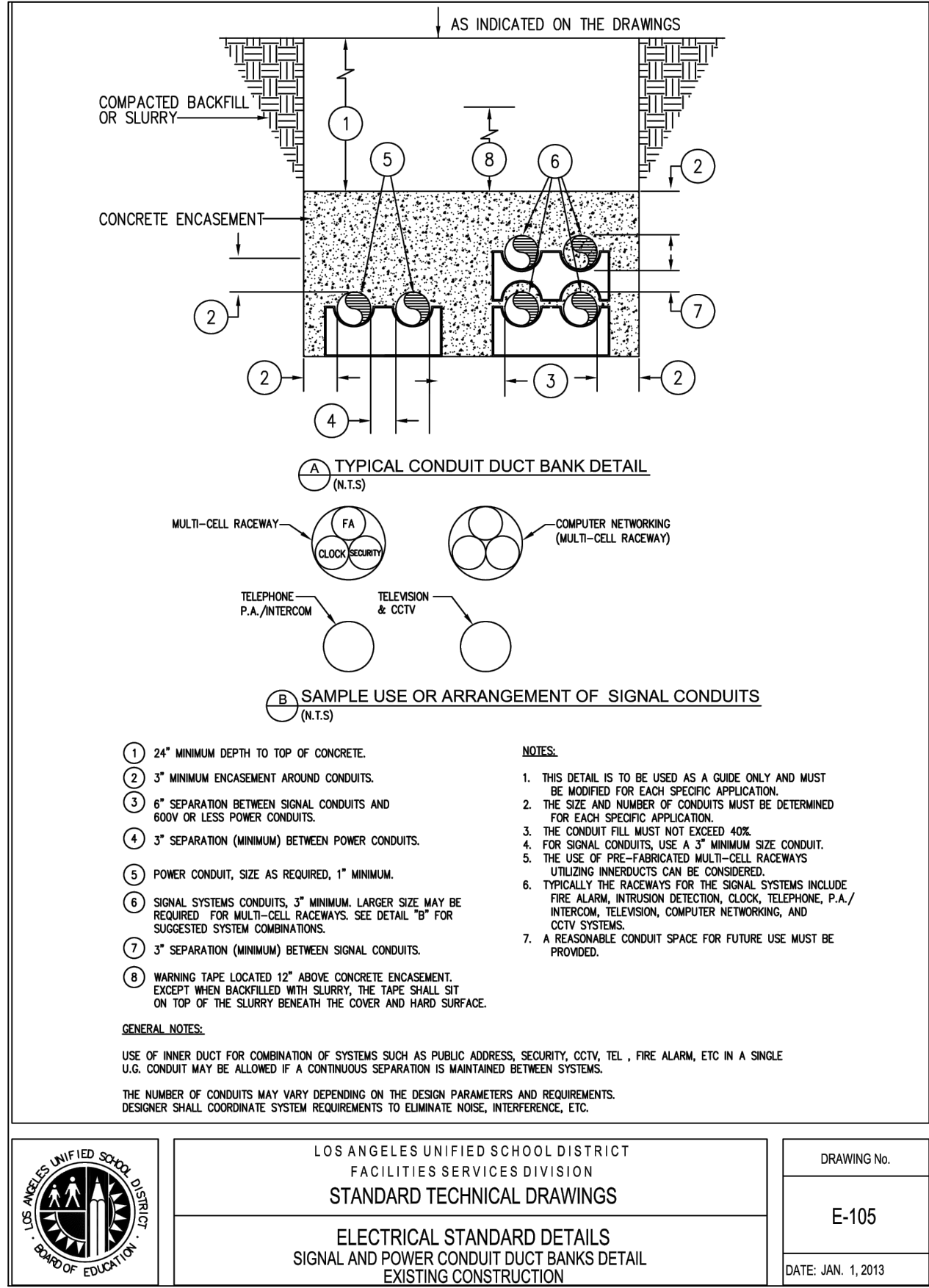
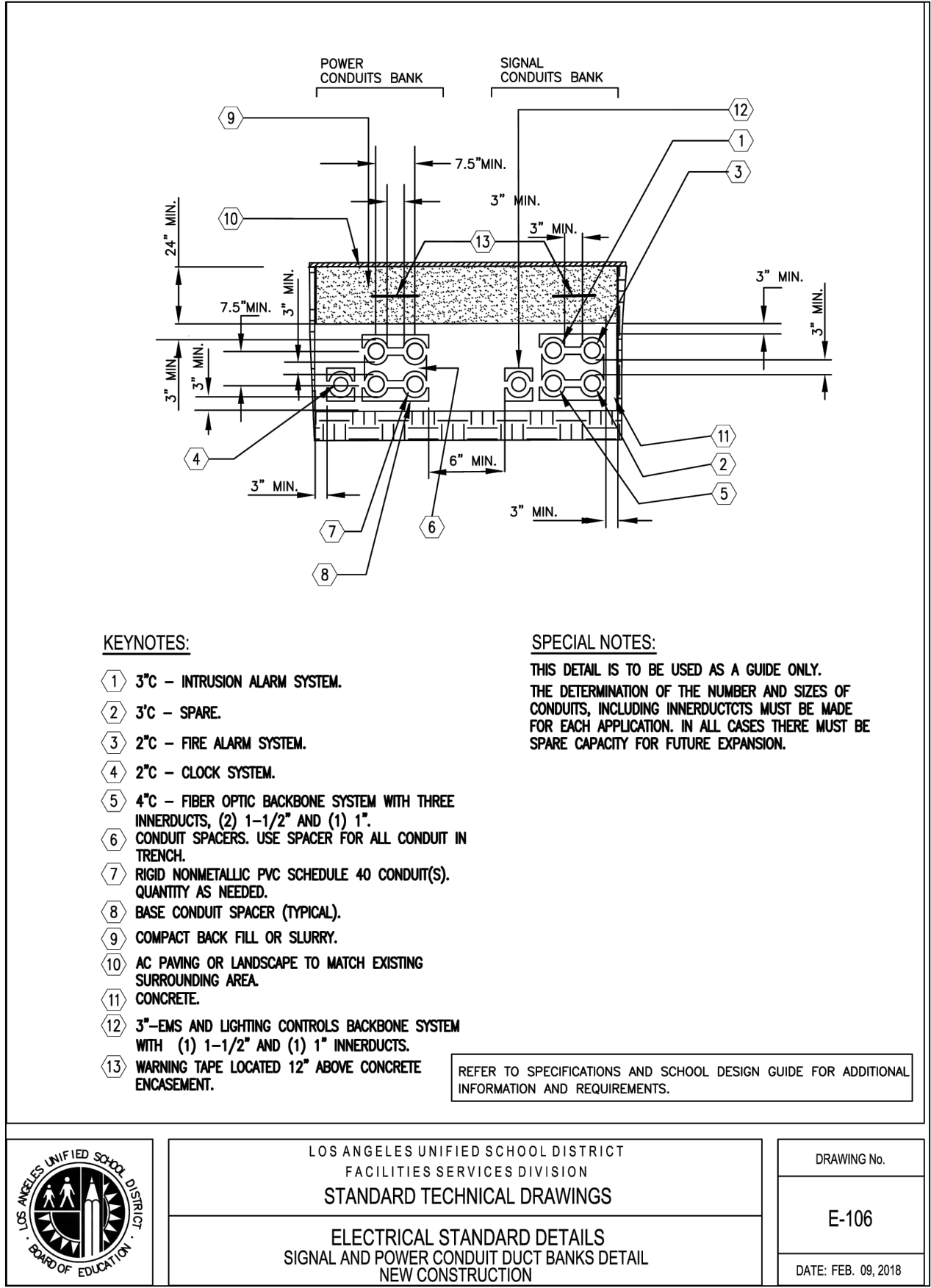
CHECKED:

SHEET NUMBER

E500

DATE: 07/05/2023

SHEET: OF:



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APP: 03-123235 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/10/2023

A# 03-123235

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED
SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

BETHUNE
MIDDLE SCHOOL

QUAD REDESIGN

155 W 69TH STREET
LOS ANGELES, CA 90003

COLIN NO: 10370081

COMMISSIONED ARCHITECT

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architecture
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2022-04776-00
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STAMPS/SEALS

REGISTERED PROFESSIONAL
No. 23442
Exp. 08/30/24
ELECTRICAL
STATE OF CALIFORNIA

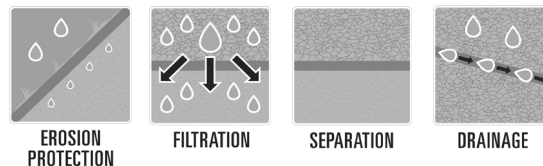
SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO.: 21011.11 PROJECT ARCH:
DRAWN: CHECKED:
SHEET NUMBER

E501

DATE: 07/05/2023 SHEET: OF:



Mirafi® N-Series Nonwoven Polypropylene Geotextiles for Soil Separation and Drainage

TenCate develops and produces materials that function to increase performance, reduce costs and deliver measurable results by working with our customers to provide advanced solutions.

The Difference Mirafi® N-Series Nonwoven Geotextiles Make:

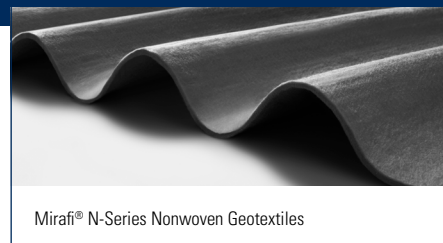
- **Construction.** Mirafi® N-Series polypropylene nonwoven geotextiles easily conform to the ground or trench surface for trouble free installation.
- **Strength.** Mirafi® N-Series geotextiles withstand installation stresses with high puncture and tear resistance.
- **Drainage.** High permittivity properties provide high water flow rates while providing excellent soil retention.
- **Environmental.** Mirafi® N-Series geotextiles are chemically stable in a wide range of aggressive environments.
- **Cost Effective.** Mirafi® N-Series geotextiles provide economical solutions to many civil engineering applications including a cost effective alternative to graded aggregate filters.

APPLICATIONS

Mirafi® N-Series nonwoven geotextiles are used in a wide variety of applications including soil separation and drainage applications. Lightweight nonwovens are predominantly used for subsurface drainage applications along highways, within embankments, under airfields, and athletic fields. For these drainage structures to be effective, they must have a properly designed protective filter.

Mirafi® N-Series nonwoven geotextiles eliminates the challenge of determining the aggregate gradation required to match soil conditions, finding a convenient and economical source of a specific aggregate, transporting and placing graded aggregate, and assuring that the constructed in-place drainage system provides effective filter performance.

Heavyweight nonwovens are used in critical subsurface drainage systems, soil separation, permanent erosion control, and geomembrane liner protection within landfills. These geotextiles provide the required strength and abrasion resistance to withstand installation and application stresses to create an effective, long term drainage solution.



Mirafi® N-Series Nonwoven Geotextiles

INSTALLATION GUIDELINES*

French and Trench Drains Geosynthetic Placement

Cut geosynthetic to proper width prior to placement. Width should be enough to conform to the trench perimeter with at least a 6in (15cm) top overlap. Place the geosynthetic roll over the trench, and unroll enough geosynthetic that the geosynthetic can be placed down into the trench. Anchor the edges of the geosynthetic with heavy objects to prevent the geosynthetic from falling into the trench. Where overlaps are necessary between rolls, allow for 3 ft (.9m) overlap from the upstream to the downstream roll.

* These guidelines serve as a general basis for installation. Detailed instructions are available from your TenCate representative.

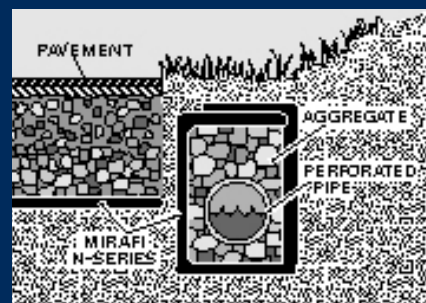


Mirafi® N-Series Nonwoven Polypropylene Geotextiles for Soil Separation and Drainage

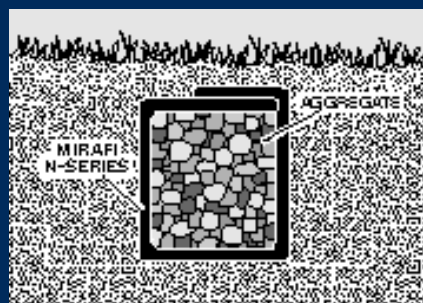
MECHANICAL PROPERTIES	TEST METHOD	UNIT	140NL	140NC	140N	160N	170N	180N	1100N	1120N	1160N
Grab Tensile Strength:			MINIMUM AVERAGE ROLL VALUE								
Strength	ASTM D4632	lbs (N)	90 (401)	100 (445)	120 (534)	160 (712)	180 (801)	205 (912)	250 (1113)	300 (1335)	380 (1691)
Elongation	ASTM D4632	%	50	50	50	50	50	50	50	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	40 (178)	45 (200)	50 (223)	60 (267)	75 (334)	80 (356)	100 (445)	115 (512)	140 (623)
CBR Puncture Strength	ASTM D6241	lbs (N)	250 (1113)	250 (1113)	310 (1380)	410 (1825)	450 (2003)	500 (2224)	700 (3115)	800 (3560)	1025 (4561)
HYDRAULIC PROPERTIES											
Apparent Opening Size			MAXIMUM OPENING SIZE								
ASTM D4751	US Sieve (mm)		50 (0.30)	70 (0.212)	70 (0.212)	70 (0.212)	70 (0.212)	80 (0.18)	100 (0.15)	100 (0.15)	100 (0.15)
Permittivity			MINIMUM ROLL VALUE								
ASTM D4491	sec ⁻¹		2.0	2.0	1.7	1.5	1.4	1.4	0.8	0.8	0.7
Flow Rate			MINIMUM TEST VALUE								
ASTM D4491	gal/min/ft ² (l/min/m ²)		145 (5907)	140 (5704)	135 (5500)	110 (4481)	105 (4278)	95 (3870)	75 (3056)	65 (2648)	50 (2037)
UV Resistance After 500 hrs.			MINIMUM TEST VALUE								
ASTM D4355	% strength		70	70	70	70	70	70	70	70	70
PACKAGING											
Roll Width	—	ft (m)	12.5 (3.8)	12.5 (3.8)	12.5 (3.8)	12.5 (3.8)	12.5 (3.8)	12.5 (3.8)	15.0 (4.57)	15.0 (4.57)	15.0 (4.57)
			15.0 (4.57)	15.0 (4.57)	15.0 (4.57)	15.0 (4.57)	15.0 (4.57)	15.0 (4.57)			
Roll Length	—	ft (m)	360 (110)	360 (110)	360 (110)	300 (91.4)	300 (91.4)	360 (110)	300 (91.4)	300 (91.4)	150 (46)
			360 (110)	360 (110)	360 (110)	360 (110)	360 (110)	360 (91.4)			
Roll Area	—	yd ² (m ²)	500 (418)	500 (418)	500 (418)	500 (418)	500 (418)	500 (418)	500 (418)	500 (418)	250 (209)
			600 (502)	600 (502)	600 (502)	600 (502)	600 (502)	600 (502)			

¹ Based on Third Party Testing Note: Values and methods could change without notice

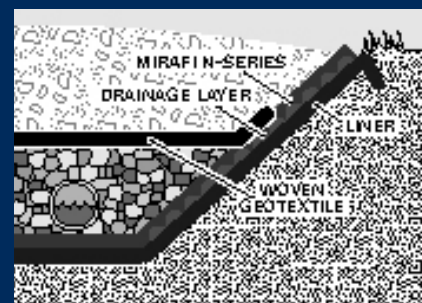
Mirafi® N-Series Woven Geotextiles



**Cut-off/Interceptor Drain Along a Roadway
or Another Critical Structure**



French Drain Without Pipe



Liner Protection Within a Landfill

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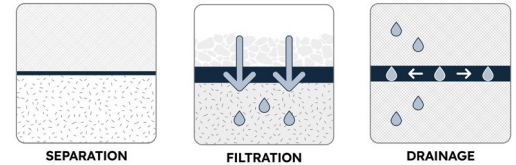
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PDS.N0821

365 South Holland Drive Tel +1 706 693 2226
Pendergrass, GA 30567 www.tencategeo.us



MIRAFI 140NL



MIRAFI® 140NL is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. MIRAFI 140NL is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MIRAFI 140NL meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	90 (401)	90 (401)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	40 (178)	40 (178)
CBR Puncture Strength	ASTM D6241	lbs (N)	250 (1113)	
MAXIMUM OPENING SIZE				
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	50 (0.30)	
MINIMUM ROLL VALUE				
Permittivity	ASTM D4491	sec ⁻¹	2.0	
Flow Rate	ASTM D4491	gal/min/ft² (l/min/m²)	145 (5907)	
MINIMUM TEST VALUE				
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	
PHYSICAL PROPERTIES	UNIT		ROLL SIZE	
Roll Dimensions (width x length)	ft (m)		12.5 x 360 (3.8 x 110)	15 x 360 (4.57 x 110)
Roll Area	yd² (m²)		500 (418)	600 (502)
Roll Weight	lbs (kg)		130 (59)	152 (69)

365 South Holland Drive Pendergrass, GA 30567

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NTPEP



Solmax is not a design or engineering professional and has not performed any such design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation, or specification.
FGS000360 ETQR86



GEOTEX[®] 451 is a polypropylene, staple fiber, needle-punched nonwoven geotextile produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The fibers are needled to form a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX[®] 451 conforms to the property values listed below¹. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). This product is NTPEP tested for AASHTO standards.

MARV ²			
PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured		100%	100%
PHYSICAL			
Mass/Unit Area	ASTM D-5261	4.0 oz/yd ²	136 g/m ²
MECHANICAL			
Grab Tensile Strength	ASTM D-4632	100 lbs	445 N
Grab Elongation	ASTM D-4632	50%	50%
CBR Puncture	ASTM D-6241	300 lbs	1334 N
Trapezoidal Tear	ASTM D-4533	50 lbs	222 N
ENDURANCE			
UV Resistance at 500 hrs	ASTM D-4355	70%	70%
HYDRAULIC			
Apparent Opening Size (AOS) ³	ASTM D-4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D-4491	2.0 sec ⁻¹	2.0 sec ⁻¹
Water Flow Rate	ASTM D-4491	140 gpm/ft ²	5704 l/min/m ²
ROLL SIZES⁴		12.5 ft x 360 ft 15 ft x 360 ft	3.81 m x 109.8 m 4.57 m x 109.8 m

NOTES:

- The property values listed above are effective 12/17/2018 and are subject to change without notice.
- Values shown are in weaker principal direction. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported. Values represent testing at time of manufacture.
- Maximum average roll value.
- Contact your local Territory Business Manager (TBM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.


ENGINEERED EARTH SOLUTIONS[™]
www.propexglobal.com
Propex Operating Company, LLC · 4019 Industry Drive Chattanooga, TN 37416 · ph 800 621 1273 · ph 423 855 1466

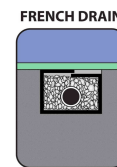
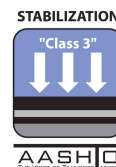
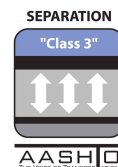
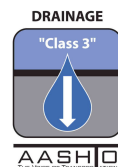
ARMORMAX[®], PYRAMAT[®], LANDLOK[®], X3[®], PYRAWALL[®], SCOURLOK[®], GEOTEX[®], PETROMAT[®], PETROTAC[®], REFLECTEX[®], and GRIDPRO[™] are registered trademarks of Propex Operating Company, LLC.

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US 120NW

Nonwoven Geotextile



NTPEP APPROVED - GTX-2019-01-295. US 120NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 120NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. US 120NW will satisfy the requirements as outlined in AASHTO M-288-06 for Class 3 applications and meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight <small>Typical</small>	ASTM D-5261	4.5 oz/y ²	152.55 g/m ²
Grab Tensile Strength	ASTM D-4632	120 lbs	534 N
Elongation @ Break	ASTM D-4632	50 %	50 %
Mullen Burst ⁽³⁾	ASTM D-3786	225 psi	1,551 kPa
Pin Puncture ⁽³⁾	ASTM D-4833	65 lbs	289 N
CBR Puncture	ASTM D-6241	340 lbs	1,513 N
Trapezoidal Tear	ASTM D-4533	50 lbs	223 N
Apparent Opening Size ^(1,2)	ASTM D-4751	70 US Sieve	0.21 mm
Permittivity ⁽¹⁾	ASTM D-4491	1.7 Sec ⁻¹	1.7 Sec ⁻¹
Water Flow Rate ⁽¹⁾	ASTM D-4491	135 g/min/f ²	5,500 l/m/m ²
UV Resistance @ 500 Hours	ASTM D-4355	70 %	70 %

⁽¹⁾ At the time of manufacturing. Handling, storage, and shipping may change these properties.

⁽²⁾ Maximum average roll value (MaxARV).

⁽³⁾ Historical reference values. These properties are no longer recognized by ASTM or AASHTO for geosynthetics.

US 120NW Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 360'	14"	12.5'	172 lbs	500 y ²	260
15' x 360'	14"	15'	200 lbs	600 y ²	198

US Fabrics, Inc. | 3904 Virginia Avenue | Cincinnati, OH 45227
Phone: (800) 518-2290 | Fax: (513) 217-4420 | email: info@usfabrics.com

This information is provided for reference only and is not intended as a warranty or guarantee.
US Fabrics assumes no liability in connection with the use of this information.

SECTION 31 0519
GEOSYNTHETICS FOR EARTHWORK

PART 1 GENERAL

1.01 ☐ SECTION INCLUDES

A. ☐ Geotextile for separation required by:

1. ☐ Site Characterization Report and Cleanup Plan, Bethune Middle School, Los Angeles, California, PCB Site ID CATSCA111064, dated July 2023.

1.02 ☐ RELATED REQUIREMENTS

A. ☐ Section 02 4116 - Demolition: Site demolition.

B. ☐ Section 31 1000 - Site Clearing.

C. ☐ Section 31 2200 - Grading.

1.03 ☐ REFERENCE STANDARDS

A. ☐ AASHTO M 288 - Standard Specification for Geosynthetic Specification for Highway Applications.

B. ☐ ASTM D4355/D4355M - Standard Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture, and Heat in a Xenon Arc-Type Apparatus.

C. ☐ ASTM D4533/D4533M - Standard Test Method for Trapezoid Tearing Strength of Geotextiles.

D. ☐ ASTM D4595 - Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method.

E. ☐ ASTM D4632/D4632M - Standard Test Method for Grab Breaking Load and Elongation of Geotextiles.

F. ☐ ASTM D4833/D4833M - Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products.

G. ☐ ASTM D4873/D4873M - Standard Guide for Identification, Storage, and Handling of Geosynthetic Rolls and Samples.

H. ☐ ASTM D5199 - Standard Test Method for Measuring the Nominal Thickness of Geosynthetics.

QUAD REDESIGN BETHUNE MIDDLE SCHOOL <input type="checkbox"/>	<input type="checkbox"/>	09/28/2023 GEOSYNTHETICS FOR EARTHWORK 31 0519 - 1
-----------------------------------------------------------------	--------------------------	----------------------------------------------------------

- I. ☐ ASTM D7877 - Standard Guide for Electronic Methods for Detecting and Locating Leaks in Waterproof Membranes.

1.04 ☐ ADMINISTRATIVE REQUIREMENTS

- A. ☐ Preinstallation Meeting: Conduct a preinstallation meeting one week prior to the start of the work of this section; require attendance by all affected installers.
- B. ☐ Sequencing: Ensure that utility connections are achieved in an orderly and expeditious manner.

1.05 ☐ SUBMITTALS

- A. ☐ See Section 01 3300 - Submittal Procedures for submittal procedures.
- B. ☐ Product Data: Manufacturer's data on each product to be used, including physical properties, seaming materials, and installation instructions.
- C. ☐ Shop Drawings:
 - 1. ☐ Indicate overall layout, dimensions, geotextile sheet and seam layout.
 - 2. ☐ Indicate anchorage, penetration, and seaming details.
- D. ☐ Manufacturer's Certification: Indicating the proposed geosynthetic function meets design requirements supported by applicable testing results.
- E. ☐ Test Reports:
 - 1. ☐ Indicate results of field leakage tests.
- F. ☐ Manufacturer's Instructions: Indicate seaming method.
- G. ☐ Manufacturer's qualification statement.
- H. ☐ Installer's qualification statement.

1.06 ☐ QUALITY ASSURANCE

- A. ☐ Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with at least three years of documented experience.
- B. ☐ Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience and approved by manufacturer.

- C. ☐ Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in this section.

1.07 ☐ DELIVERY, STORAGE, AND HANDLING

- A. ☐ See Section 01 6000 - Product Requirements for additional requirements.
- B. ☐ Identify, store, and handle geosynthetic rolls and samples according to ASTM D4873/D4873M.
- C. ☐ Protect materials from sunlight and other ultraviolet light sources during storage.
- D. ☐ Handle geosynthetics with care and prevent dragging, dropping, or imbalanced lifting.

1.08 ☐ FIELD CONDITIONS

- A. ☐ Temperature Requirements: Do not place geosynthetic when ambient air or base surface temperature is less than 40 degrees F or above 140 degrees F (60 degrees C).
- B. ☐ Surface Requirements: Do not place geosynthetic when the receiving surface is saturated or has ponded water.
- C. ☐ Follow recommendations of geosynthetic manufacturer.

PART 2 PRODUCTS

2.01 ☐ MANUFACTURERS

- A. ☐ Propex; Geotex 451: www.propexglobal.com.
- B. ☐ Solmax; Tencate Mirafi 140N: www.solmax.com/#sle.
- C. ☐ US Fabrics Inc; US 120NW: www.usfabricsinc.com/#sle.
- D. ☐ Substitutions: See Section 01 6000 - Product Requirements.

2.02 ☐ GEOSYNTHETIC

- A. ☐ Provide geosynthetic in largest size sheets as possible to minimize field joining.
- B. ☐ Uniform thickness according to ASTM D5199.
- C. ☐ Resistant to mildew, chemicals in soil, stable under freeze-thaw cycles, will not shrink or expand under wet conditions, and will not unravel or become clogged during use.

- D. ☐ Ultraviolet Stability: 65 percent, minimum, when tested in accordance with ASTM D4355/D4355M.

2.03 ☐ GEOTEXTILE

A. ☐ General:

1. ☐ Material: Polypropylene consisting of 5 percent maximum regrind and free of contaminants.
2. ☐ AASHTO M 288.
3. ☐ Elongation: 50 percent, minimum, when tested in accordance with ASTM D4632/D4632M.

B. ☐ Geotextile for Separation: Capable of restricting adjacent material mixing.

1. ☐ Type: Nonwoven.
2. ☐ Seams: Mechanically sewn.
 - a. ☐ Overlap: According to manufacturer.
 - 1) ☐ 12 inches (300 mm), minimum, in all directions.
 - b. ☐ Stitch: According to manufacturer; continuous; tied off at ends.
 - c. ☐ Strength: 90 percent of grab, minimum, when tested in accordance with ASTM D4632/D4632M.
 - d. ☐ Limit seams perpendicular to the direction of construction.
3. ☐ Grab Strength: 100 lb (0.445 kN), minimum, when tested in accordance with ASTM D4632/D4632M.
4. ☐ Puncture Strength: 300 lb (1.334 kN), minimum, when tested in accordance with ASTM D4833/D4833M.
5. ☐ Trapezoid Tear Strength: 50 lb (0.222 kN), minimum, when tested in accordance with ASTM D4533/D4533M.

PART 3 EXECUTION

3.01 ☐ EXAMINATION

- A. ☐ Verify the receiving surface is smooth, without ruts or protrusions, and grades are according to design drawings.

- B. ☐ Verify the receiving surface is unsaturated and free of ponded water.
- C. ☐ Verify the geosynthetic is free of defects or flaws that may degrade physical performance.

3.02 ☐ PREPARATION

- A. ☐ Remove vegetation, boulders, and rocks larger than 3/4 inch in size and other sharp objects in accordance with Section 31 1000.
- B. ☐ Remove unsuitable materials in accordance with Section 31 2316.
- C. ☐ Fill in holes, including stake holes, backfill, and fill in accordance with Section 31 23 16
- D. ☐ Grade as indicated on drawings in accordance with Section 31 2200.
- E. ☐ Compact smooth as indicated on drawings in accordance with Section 31 23 16.

3.03 ☐ INSTALLATION

A. ☐ General:

- 1. ☐ Notify Architect a minimum of 24 hours prior to installation.
- 2. ☐ Prevent surface drainage from eroding under geosynthetic. Repair undermined areas prior to backfill.
- 3. ☐ Position geosynthetic smooth and wrinkle free on prepared surface; unroll or unfold carefully, avoiding stretching.
- 4. ☐ Secure geosynthetic to prevent movement or damage during installation.
- 5. ☐ Perform seaming in adequate lighting. Seam each geosynthetic member immediately after final placement. Clean sheets of dust, dirt, and other foreign matter prior to seaming.
- 6. ☐ Follow manufacturer's recommended installation procedures.

B. ☐ Separation:

- 1. ☐ Install geotextile according to manufacturer's recommendations.
- 2. ☐ Lay sheets in the direction of construction.
- 3. ☐ Place adjacent geotextile and loosely fasten until seamed.

- 4. ☐ Repairs: Remove damaged portion of geotextile and seam an additional layer to cover the affected area in all directions.

3.04 ☐ BACKFILL

- A. ☐ Obtain approval for geosynthetic sheet installation from Architect before placing fill.
- B. ☐ Backfill in a manner to prevent damage to geosynthetic. Repair geosynthetic damaged during backfill operations.
- C. ☐ Cover geosynthetic in the installed direction in accordance with Section 31 23 16.
 - 1. ☐ Cover geosynthetic within time limits specified by manufacturer.

3.05 ☐ FIELD QUALITY CONTROL

- A. ☐ See Section 01 4000 - Quality Requirements for additional requirements.
- B. ☐ Provide manufacturer's field representative at all times during geosynthetic installation.
- C. ☐ Inspect completed liner for pinholes, punctures, and tears; inspect seams and joints for unbonded areas. Repair any defects or damages found.
- D. ☐ Leakage Testing: Test barrier for leakage according to ASTM D7877.
- E. ☐ Product Conformance Testing: Confirm geosynthetic supplied meets design requirements according to ASTM D4595.

3.06 ☐ PROTECTION

- A. ☐ Do not exceed geosynthetic manufacturer's recommended exposure to UV radiation.
- B. ☐ Prevent surface water runoff from contaminating geosynthetic.
- C. ☐ Do not use pins or staples where risk of damaging underlying geosynthetic layer is present.
- D. ☐ Erect barricades to prevent traffic over geosynthetic before it is filled.

END OF SECTION

APPENDIX F: SAMPLING AND ANALYSIS PLAN

To:	Filmon Tesfaslasie, PG – Los Angeles Unified School District
From:	Mark Feldman, CHG CEG – Tetra Tech, Inc.
Date:	November 7, 2023
Subject:	Sampling and Analysis Plan, Bethune Middle School

1.0 INTRODUCTION

At the request of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), Tetra Tech, Inc. (Tetra Tech) is pleased to provide the following Sampling and Analysis Plan for Bethune Middle School (PCB Site ID CATSCA111064), located at 155 West 69th Street., Los Angeles, California (the Site). The objective of this Sampling Analysis Plan is to document procedures to be used for sampling and analysis of soil and concrete during a PCB cleanup at the Site.

2.0 VERIFICATION SAMPLING

Verification sampling will be performed to document areas of the Site where soil with total PCB concentrations exceeding the human health criterion of 0.23 mg/kg is being left in place. This information will be used to finalize a land use covenant and populate an OEHS database that will be used to document and track the whereabouts of residual contamination at LAUSD sites.

Grid sampling will be used to more estimate PCB concentrations within sampling units. For the purpose of this Plan, individual sampling units will be 10-by 10-feet in size on the excavation bottom, and 10-feet by 1-foot on the excavation sidewalls.

Prior to sampling, a 10- by 10-foot square grid will laid out and staked in the field using survey-grade GPS equipment. The grid layout is shown in Figure 1. One discrete soil sample will be collected from each sampling unit on the excavation bottom, using the bottom sampling layout shown in Figure 2. One discrete soil sample will also be collected from each sidewall sampling unit lying along the edge of the grid, but which do not directly adjoin a building, using the sidewall sampling layout shown in Figure 2. Sidewall samples will not be collected adjacent to buildings due to the presence of concrete foundations in the subsurface.

A tape measure will be used to locate the discrete sample within each sampling unit. The discrete samples will be collected from the upper three inches of soil on the bottom or sidewall of the excavation using a decontaminated stainless steel sampling spoon and placed in a clean 4-ounce glass screwtop jar. The jars will be labeled, placed in a plastic ziplock-type bag, and stored in a cooler with ice pending delivery to the laboratory using chain-of-custody protocols.

3.0 CONCRETE SAMPLING

Concrete sampling will be performed to evaluate disposal options for this waste stream. Sampling will be performed at 10 locations, as shown in Figure 3. The sampling locations were selected to provide coverage of the entire Site; in addition, one of the 10 sampling locations is in the area where the highest soil PCB concentrations were found at the Site.

At each sampling location, a 3- to 4-inch diameter concrete core drill will be used to core through the entire thickness of the concrete. The core samples will allow sampling of both the top and bottom surfaces of the slab,

which are the most likely parts of the slab to be contaminated. Samples of powdered concrete will then be collected from the top and bottom surfaces of the concrete cores using the EPA *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs)* dated May 2011. A disposable spatula will be used to transfer the powdered concrete samples into 40 ml vials. The vials will be labeled, placed in plastic ziplock-type bags, and stored in a cooler with ice pending delivery to the laboratory using chain-of-custody protocols.

4.0 SAMPLE ANALYSIS

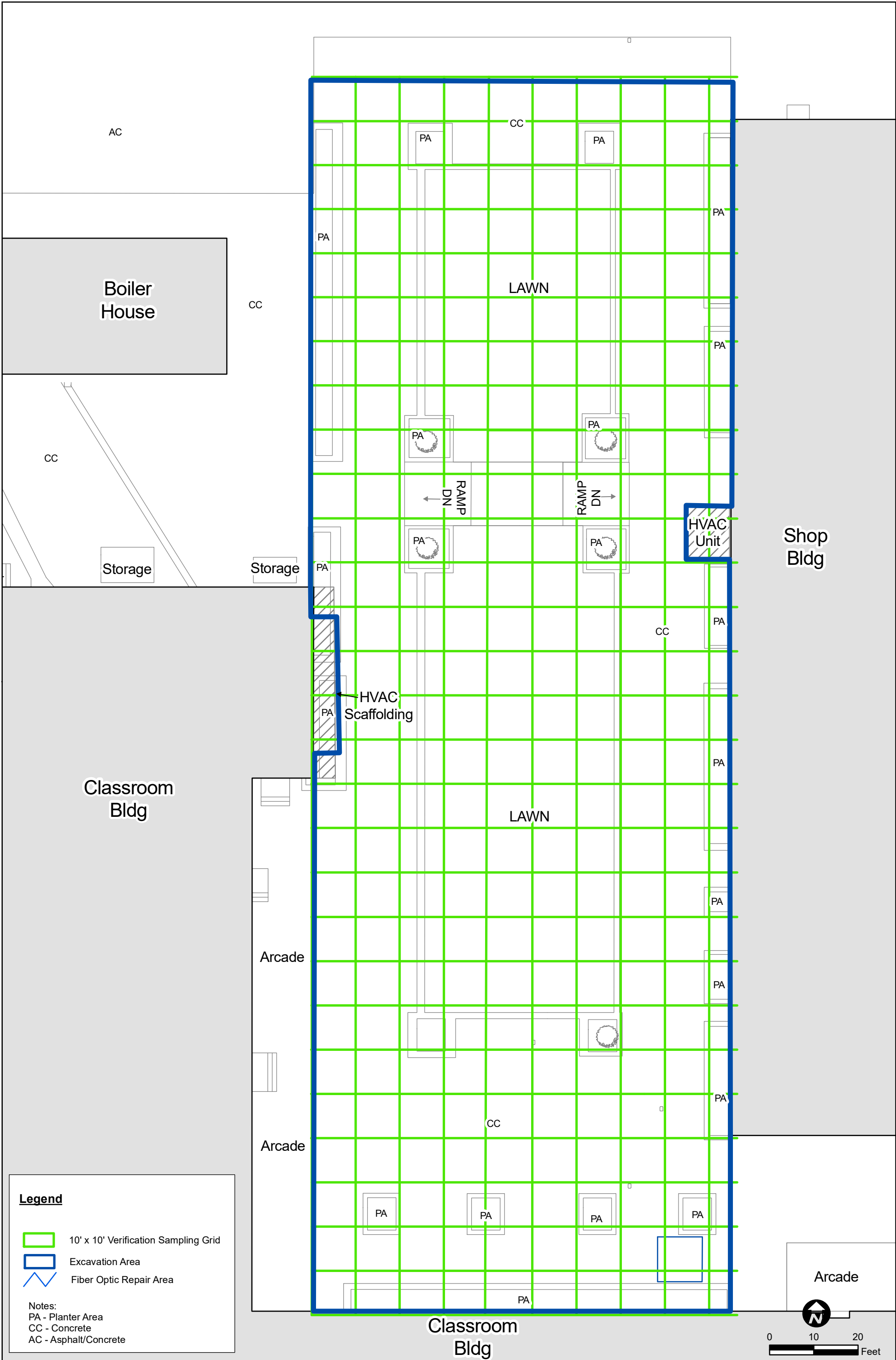
The soil or concrete samples will be submitted to a California State Water Resources Control Board-certified laboratory for analysis. The samples will be extracted using EPA Method SW3540C (Soxhlet extraction) and analyzed for PCBs using EPA Method SW8082A. All samples will also be analyzed for moisture content, and PCB concentrations will be reported on a dry-weight basis.

5.0 EQUIPMENT DECONTAMINATION

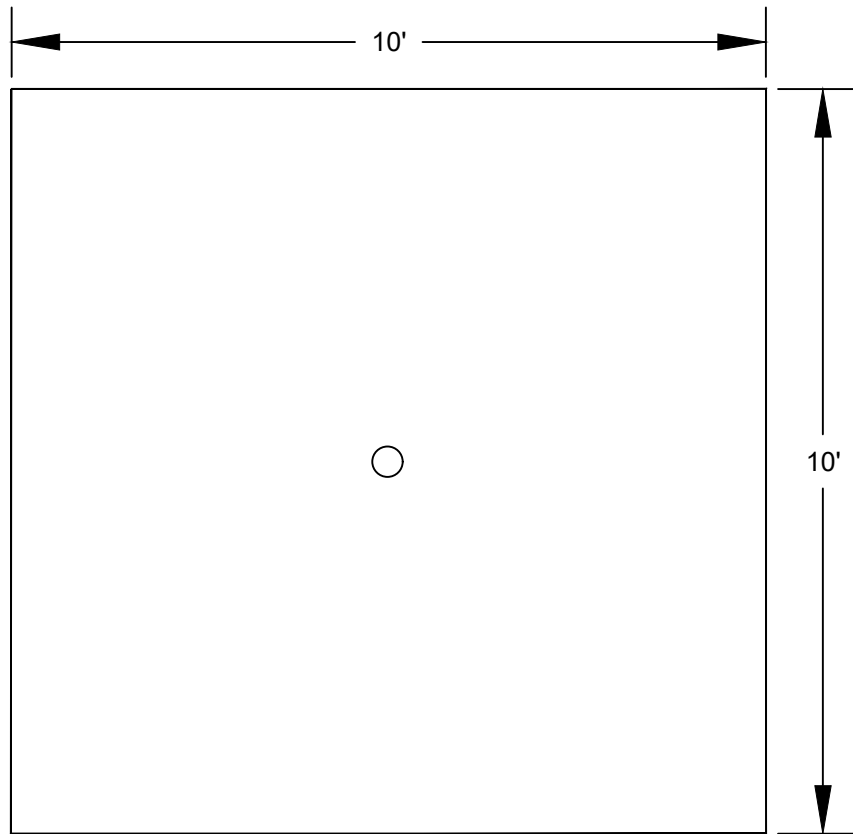
Reusable equipment used for soil or concrete sampling will be decontaminated by swabbing surfaces that may have contacted PCB-impacted material with one of the performance-based organic decontamination fluids (PODFs) listed in 40 CFR 761.79(c)(3)(iv) (i.e., kerosene, diesel fuel, terpene hydrocarbons, or a mixture of terpene hydrocarbons and terpene alcohols), in accordance with the self-implementing procedure specified in 40 CFR 761.79(c)(2)(i). Confirmatory sampling is not required for these procedures, per 40 CFR §761.79(f)(2).

FIGURES

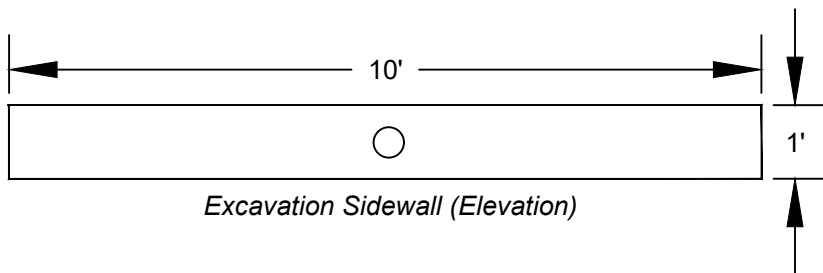
P:\Public\LAUSD\Bethune MS\1466 Sampling\Figures\Figure 1 Site Plan wGrid.mxd



Program Manager: M.F.	Prepared by:	Prepared for:	<div>Figure 1</div> <div>Bethune Middle School</div> <div>Site Plan Showing Verification Sampling Grid</div>	Date: July 2023
Prepared by: B.D.	<div><div>Tt</div><div>Tetra Tech</div><div>3475 East Foothill Blvd. Pasadena, California 91107</div></div> <div><div><div>LOS ANGELES UNIFIED SCHOOL DISTRICT</div><div>BOARD OF EDUCATION</div></div><div>Los Angeles Unified School District</div><div>333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017</div></div>	Scale: 1" = 20		
Reviewed by: M.F.		Project Number: 102-ENV=T42183.01		





Excavation Bottom (Plan View)

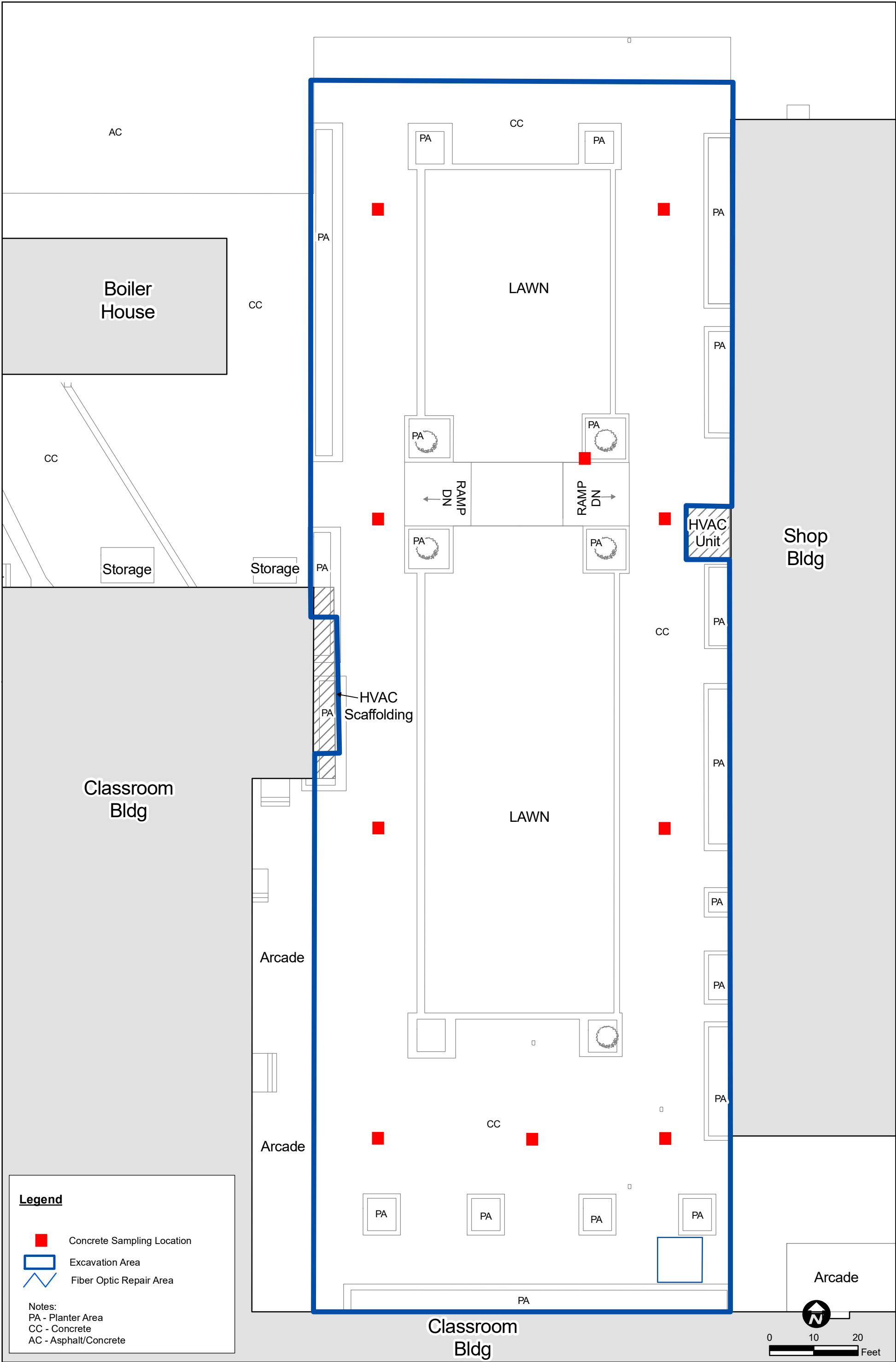


Excavation Sidewall (Elevation)

○ *Discrete Sample Location*

S:\Bethune MS\1466 Sampling\Figures\CAD\TT CAD\Figure 2 Discrete Sampling Layout.dwg

PROGRAM MANAGER: M.F.	Prepared For:  Los Angeles Unified School District 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017	Prepared By:  TETRA TECH 3475 E. Foothill Blvd., Pasadena, California 91107	<p>Figure 2 Bethune Middle School Discrete Sampling Layout</p>	DATE July 2023
PREPARED BY: B.D.				SCALE Not to Scale
PROJECT MANAGER: M.F.				PROJECT NUMBER 102-ENV-T42180.01



Program Manager: M.F.	Prepared by: <div><div>Tt</div><div>Tetra Tech 3475 East Foothill Blvd. Pasadena, California 91107</div></div>	Prepared for: <div><div></div><div>Los Angeles Unified School District 333 South Beaudry Avenue, 21st Floor Los Angeles, California 90017</div></div>	Figure 3 Bethune Middle School Site Plan Showing Concrete Sampling Locations	Date: July 2023
Prepared by: B.D.				Scale: 1" = 20'
Reviewed by: M.F.				Project Number: 102-ENV=T42183.01

ATTACHMENT 1
STANDARD OPERATING PROCEDURE FOR SAMPLING PCBS IN CONCRETE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1

5 Post Office Square, Suite 100

Boston, MA 02109-3912

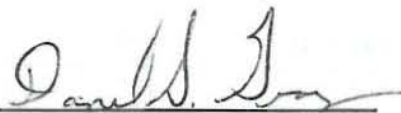


**STANDARD OPERATING PROCEDURE FOR SAMPLING POROUS
SURFACES FOR POLYCHLORINATED BIPHENYLS (PCBs)**

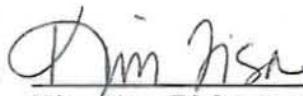
May 2011

**STANDARD OPERATING PROCEDURE
FOR SAMPLING POROUS SURFACES
FOR POLYCHLORINATED BIPHENYLS (PCBs)**

**The Office of Environmental Measurement and Evaluation
EPA New England – Region 1
11 Technology Dr.
North Chelmsford, MA 01863**

Prepared by: 
Dan Granz, Environmental Engineer


5/5/11
Date

Reviewed by: 
Kim Tisa, TSCA PCB Coordinator

5/5/11
Date

Reviewed by: 
Jerry Keefe – EIA Team Leader

05/23/11
Date

Approved by: 
Dan Boudreau, EIA Chemistry Team Leader

5/23/11
Date

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Attachments:

Example of Custody Seal and Sample Label

Example of Chain of Custody Form

1.0 Scope and Application

- 1.1 This Standard Operating Procedure (SOP) is suitable for collection of a porous matrix sample for analysis of Polychlorinated Biphenyls (PCBs).
- 1.2 This SOP describes sampling techniques for both hard and soft porous surfaces.
 - 1.2.1 Hard surfaces, and most soft surfaces, can be sampled using an impact hammer drill to generate a uniform, finely ground, powder to be extracted and analyzed for PCBs. This procedure is primarily geared at providing enough sample quantity for two analyses. Hard porous surfaces include concrete, brick, asphalt, cement, sandstone, limestone, unglazed ceramics, and other possible PCB suspected material. This procedure may also be used on other softer porous surfaces, such as wood.
 - 1.2.2 Soft surfaces can be sampled using a chisel or sharp knife to generate a representative sample to be extracted and analyzed for PCBs. Soft porous surfaces include wood, wall plasterboard, low density plastics, rubber, caulking, and other PCB suspected material.
- 1.3 This SOP provides for collection of surface samples (0 – 0.5 inches) and delineation of PCB contamination throughout the core of the porous surface. The procedure can be used to sample the porous surface at distinctly different depth zones.

2.0 Method Summary

A one-inch or other sized diameter carbide drill bit is used in a rotary impact hammer drill to generate a fine powder, or other representative sample, suitable for extraction and analysis of PCBs from porous surfaces. This method also allows the use of chisels or knives for the collection of samples from soft porous surfaces for PCB analysis.

3.0 Definitions

- 3.1 Field/Bottle Blank: A sample container of the same lot as the containers used for the environmental samples. This evaluates PCB contamination introduced from the sample container(s) from a common lot.
- 3.2 Equipment/Rinse/Rinsate Blanks: A sample that is collected by pouring hexane over the sample collection equipment after decontamination and before sample collection. The sample is collected in the appropriate sample container identical to the sample containers. This represents background contamination resulting from the field equipment, sampling procedure, sample container, and shipment.

- 3.3 Field Replicates/Duplicates: Two or more samples collected at the same sampling location. Field replicates should be samples collected side by side. Field replicates represent the precision of the whole method, site heterogeneity, field sampling, and the laboratory analysis.
- 3.4 Field Split Samples: Two or more representative subsamples taken from one environmental sample in the field. Prior to splitting, the environmental sample is homogenized to correct for sample heterogeneity that would adversely impact data comparability. Field split samples are usually analyzed by different laboratories (interlaboratory comparison) or by the same laboratory (intralaboratory comparison). Field splits are used to assess sample handling procedures from field to laboratory and laboratory comparability.
- 3.5 Laboratory Quality Samples: Additional samples that will be collected for the laboratory's quality control program: matrix spike, matrix spike duplicate, laboratory duplicates, etc.
- 3.6 Proficiency Testing (PT)/Performance Evaluation (PE) Sample: A sample, the composition of which is unknown to the laboratory or analyst, provided to the analyst or laboratory to assess the capability to produce results within acceptable criteria. This is optional depending on the data quality objectives. If possible, it is recommended that the PE sample be of similar matrix as the porous surface(s) being sampled.
- 3.7 Porous Surface: Any surface that allows PCBs to penetrate or pass into itself including, but not limited to, paint or coating on metal; corroded metal; fibrous glass or glass wool; unglazed ceramics; ceramics with porous glaze; porous building stone such as sandstone, travertine, limestone, or coral rock; low density plastics such as Styrofoam and low density polyethylene; coated (varnished or painted) or uncoated wood; painted or unpainted concrete or cement; plaster; plasterboard; wallboard; rubber; caulking; fiberboard; chipboard; asphalt; or tar paper.
- 3.8 Shipping Container Temperature Blank: A water sample that is transported to the laboratory to measure the temperature of the samples in the cooler.
- 4.0 Health and Safety**
- 4.1 Eye, respiratory, and hearing protection are required at all times during sample drilling. A properly fitted respirator is required for hard porous surface sampling. A respirator is recommended whenever there is a risk of inhalation of either particulate or volatilized PCBs during sampling.
- 4.2 All proper personal protection clothing and equipment must be worn.

4.3 When working with potentially hazardous materials or situations, follow EPA, OSHA, and specific health or safety procedures.

4.4 Care must be exercised when using an electrical drill and sharp cutting objects.

5.0 Interferences and Potential Problems

5.1 This sampling technique produces a finely ground uniform powder, which minimizes the physical matrix effects from variations in the sample consistency (i.e., particle size, uniformity, homogeneity, and surface condition). Matrix spike analysis of a sample is highly recommended to monitor for any matrix related interferences.

5.2 Nitrile gloves are recommended. Latex gloves must not be used due to possible phthalate contamination.

5.3 Interferences may result from using contaminated equipment, solvents, reagents, sample containers, or sampling in a disturbed area. The drill bit must be decontaminated between samples. (see Section 11.0.)

5.4 Cross contamination problems can be eliminated or minimized through the use of dedicated sampling equipment.

6.0 Personnel Qualifications

6.1 All field samplers working at hazardous materials/waste sites are required to take a 40 hour health and safety training course prior to engaging in any field activities. Subsequently, an 8 hour refresher health and safety course is required annually.

6.2 The field sampler should be trained by an experienced sampler before initiating this procedure.

6.3 All personnel shall be responsible for complying with all quality assurance/quality control requirements that pertain to their organizational/technical function.

7.0 Equipment and Supplies

7.1 This list varies with the matrix and if depth profiling is required

- Rotary impact hammer variable speed drill
- 1-inch or other suitable (1/2, 3/4, etc.) diameter carbide tip drill bits
- Steel chisel or sharp cutting knife, and hammer
- Brush and cloths to clean area
- Stainless steel scoopulas

Aluminum foil to collect the powder sample
1 quart Cubitainer with the top cut out to collect the powder sample
Aluminum weighing pans to collect the powder sample
Cleaned glass container (2 oz or 40 mL) with Teflon lined cap
Decontamination supplies: hexane, two small buckets, a scrub brush, detergent, deionized water, hexane squirt bottle, and paper towels
Dedicated vacuum cleaner with a disposable filter or a vacuum pump with a dust filter
Polyethylene tubing and Pasteur pipettes
Sample tags/labels, custody seals, and Chain-of-Custody form

8.0 Sampling Design

8.1 A sufficient number of samples must be collected to meet the data quality objectives of the project. If the source of the PCB contamination is regulated under the federal TSCA PCB Regulations at 40 CFR Part 761, the sampler should insure that the sampling design is sufficient to meet any investigation or verification sampling requirements. At a minimum, the following is recommended:

8.1.1 Suspected stained area (s) should be sampled.

8.1.2 At each separate location, collect at least 3 samples of each type of porous surface, regardless of the amount of each type of porous surface present.

8.1.3 In areas where PCB equipment was used or where PCBs were stored, samples should be collected at a frequency of 1 sample/100 square feet (ft²).

9.0 Sample Collection

9.1 Hard Porous Surfaces

9.1.1 Lock a 1-inch or another size diameter carbide drill bit into the impact hammer drill and plug the drill into an appropriate power source. For easy identification, sample locations may be pre-marked using a marker or paint. (Note: the actual drilling point must not be marked.) Remove any debris with a clean brush or cloth prior to drilling. All sampling decisions of this nature should be noted in the sampling logbook.

9.1.2 Use a Cubitainer with the top cut off or aluminum foil to contain the powdered sample. Begin drilling in the designated location. Apply steady even pressure and let the drill do the work. Applying too much pressure will generate excessive heat and dull the drill bit prematurely. The drill will provide a finely ground powder that can be easily collected.

- 9.1.3 Samples should be collected at ½-inch depth intervals. Thus, the initial surface sample should be collected from 0 – 0.5 inches. A ½-inch deep hole generates about 10 grams (20 mL) of powder. Multiple holes located closely adjacent to each other, may be needed to generate sufficient sample volumes for a PCB determination. It is strongly recommended that the analytical laboratory be consulted on the minimum sample size needed for PCB extraction and analysis.
- 9.1.4 Wall and Ceiling Sampling: A team of two samplers will be required for wall and ceiling sampling. The second person will hold a clean catch surface (e.g. an aluminum pan) below the drill to collect the falling powder. Alternatively, use the chuck-end of the drill bit and punch a hole through the center of the collection pan. The drill bit is then mounted through the pan and into the drill. For ceilings, the drill may be held at an angle to collect the powder. Thus the driller can be drilling at an angle while the assistant steadies the pan to catch the falling powder. As a precaution, it may be advantageous to tape a piece of plastic around the drill, just below the chuck, to avoid dust contaminating the body of the drill and entering the drill's cooling vents. Caution must be taken to prevent obstruction of the drill's cooling vents.

9.2 Soft Porous Surfaces

- 9.2.1 The procedure for the hard porous surface may be used for certain soft porous surfaces, such as wood.
- 9.2.2 Samples should be collected at no more than ½-inch depth intervals using a metal chisel or sharp cutting knife. Thus, the initial surface sample should be collected from 0 – 0.5 inches. It is important to collect at least 10 grams for analysis.
- 9.2.3 For soft porous surfaces, such as caulking and rubber, a representative sample can be collected using a metal chisel or sharp cutting knife.

9.3 Multiple Depth Sampling

- 9.3.1 Multiple Depth Sampling may not be applicable to certain porous surfaces, such as caulking.
- 9.3.2 Collect the surface sample as outlined in Section 9.1 or 9.2.
- 9.3.3 Use the vacuum pump or cleaner to clean out the hole.
- 9.3.4 To collect multiple depths there are two options.

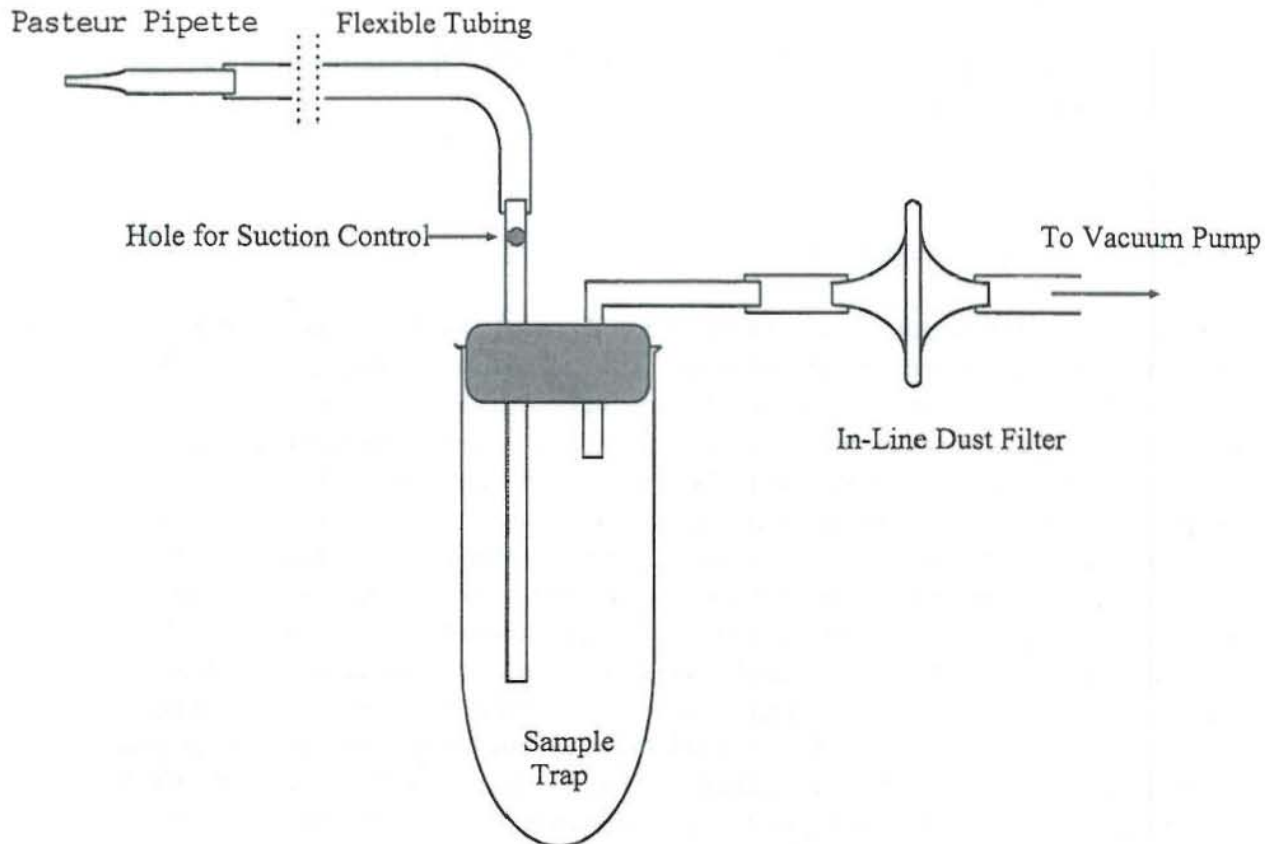
9.3.4.1 Option one: drill sequentially ½-inch increments with the 1 inch drill.

9.3.4.2 Option two: drill with the 1 inch bit and either make the hole larger or use a smaller bit to take the next ½- inch sample.

9.3.5 A stainless steel scoopula will make it easier to collect the sample from the bottom of the hole.

9.4 Vacuum Trap Design and Clean-out

The trap presented in Figure 1 is a convenient and thorough way for collecting and removing concrete powder from drilled holes. The trap system is designed to allow for control of the suction from the vacuum pump and easy trap clean-out between samples. Note, by placing a hole in the inlet tube (see Figure 1), a finger on the hand holding the trap can be used to control the suction at the sampling tip. Thus, when this hole is left completely open, there will be no suction, and the sampler can have complete control over where and what to sample. To change-out between samples the following steps should be taken: 1) the Pasteur pipette and piece of polyethylene tubing at the sample inlet should be replaced with new materials, 2) the portion of the rubber stopper and glass tubing that was in the trap should be wiped down with a clean damp paper towel (wetted with deionized water) and then dried with a fresh paper towel, 3) a clean pipe cleaner should be drawn through the glass inlet tube to remove any concrete dust present, and 4) the glass tube or flask used to collect the sample should be swapped out with a clean decontaminated sample trap. Having several clean tubes or flasks on hand will facilitate change-out between samples.

Figure 1

Note: the holes should be vacuumed thoroughly to minimize any cross-contamination between sample depths and the bits should be decontaminated between samples. (See Section 11.0)

10.0 Sample Handling, Preservation, and Storage

- 10.1 Samples must be collected in glass containers for PCB analyses. In general, a 2-ounce sample container with a Teflon-lined cap (wide-mouth jars are preferred) will hold sufficient mass for most analyses. A 2-ounce jar can hold roughly 90 grams of sample.
- 10.2 Samples are to be shipped refrigerated and maintained at $\leq 6^{\circ}\text{C}$ until the time of extraction and analysis.
- 10.3 The suggested holding time for PCB samples is 14 days to extraction.

11.0 Decontamination

- 11.1 Assemble two decontamination buckets. The first bucket contains a detergent and potable water solution, and the second bucket is for rinsate. Place all used drill bits, hose for the vacuum cleaner, and utensils in the detergent and water bucket. Scrub each piece thoroughly using the scrub brush. Note, the powder does cling to the metal surfaces, so care should be taken during this step, especially with the twists and curves of the drill bits. Next, rinse each piece with water and hexane. Place the rinsed pieces on clean paper towels and individually dry and inspect each piece. Note: all pieces should be dry prior to reuse.
- 11.2 Lightly contaminated drill bits and utensils may be wiped with a hexane soaked cloth and hexane rinsed for decontamination.

12.0 Data and Record Management

- 12.1 All data and information collection should follow a Field Data Management SOP or Quality Assurance Project Plan (QAPP).
- 12.2 Follow the chain of custody procedures to release the samples to the laboratory. A copy is kept with the sampling records.
- 12.3 The field data is stored for at least 3 years.

13.0 Quality Control and Quality Assurance

- 13.1 Representative samples are required. The sampler will evaluate the site specific conditions to assure the sample will be representative.
- 13.2 All sampling equipment must be decontaminated prior to use and between each discrete sample.
- 13.3 All field Quality Control (QC) sample requirements in a Sample and Analysis Plan (SAP) or QAPP must be followed. The SAP or QAPP may involve field blanks, equipment blanks, field duplicates and/or the collection of extra samples for the laboratory's quality control program.
- 13.4 Field duplicates should be collected at a minimum frequency of 1 per 20 samples or 1 per non-related porous matrix, whichever is greater.

14.0 Waste Management and Pollution Prevention


- 14.1 During field sampling events there may be PCB and/or hazardous waste produced from the sample collection. The waste must be handled and disposed of in accordance with federal, state, and local regulations. The dust filter, and tubing if a vacuum pump is used, is disposed after each site investigation. This waste will be treated as PCB waste if the samples are positive for PCBs. It may be possible to manage or dispose of the waste produced at the site where the work was performed. If the site does not meet regulatory requirements for these types of activities, the waste must be transported to a facility permitted to manage and/or dispose of the waste.

15.0 References

1. Guidance for the Preparation of Standard Operating Procedures for Quality-Related Operations, QA/G-6, EPA/600/R-96/027, November 1995.
2. 40 CFR Part 761 – Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, and Use Prohibitions
3. Sample Container and Holding Time: RCRA SW 846, Chapter 4, Table 4.1, Revision 4, February, 2007.

Example of Sample Label and Custody Seal

U.S. ENVIRONMENTAL PROTECTION AGENCY – REGION I BOSTON, MASS.	
LABEL	NAME OF UNIT AND ADDRESS ENVIRONMENTAL SERVICES DIVISION 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173
	DATE: YR/MO/DAY
SAMPLE	TIME
	STATION NO.
	SOURCE OF SAMPLE
	SAMPLE NO.
	SUB NO.
	PRESERVATIVE
SAMPLING CREW (FIRST, INITIAL, LAST NAME)	
AMOUNT	
ANALYSIS	

 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY OFFICIAL SAMPLE SEAL	SAMPLE NO.	DATE
	SIGNATURE	
	PRINT NAME AND TITLE (Inspector, Analyst or Technician)	
SEAL BROKEN BY		DATE

EPA FORM 7500-2 (R7-75)



REGION 1

[illegible]

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

1-16940

APPENDIX G: LAUSD SPECIFICATION 01 4524

NOTES TO OAR: This Section must be included in Division 01 whenever any earthwork, including related sections 31 2200, 31 2313, 31 2316, 31 2319, 31 2323, 31 2333 and 32 1100, is included in the scope of work of the project. All imported and exported fill materials are required to be tested; such testing shall be conducted at site of origin. In the event that site is balanced and does not require either export or import, then requirements of this section shall not apply; however, this section is still required to be included in bidding documents. Clean gravel from a pre-evaluated commercial source may also be eligible for a variance to this section (01 4524) with prior written approval from OEHS. While OWNER Consultant (soils engineer) provides testing for compaction, grading, etc., CONTRACTOR retains the services of a licensed environmental professional and an independent State of California certified laboratory to sample and test for the requirements of this section. A request for variance to the Specification must be submitted in writing to OEHS two weeks in advance of need and be accompanied by a memo explaining the rationale for the variance and a project funding code to cover OEHS review. **DELETE THIS TEXT BOX PRIOR TO ISSUING THIS SPECIFICATION.**

SECTION 01 4524

ENVIRONMENTAL IMPORT/EXPORT MATERIALS TESTING

PART 1 - GENERAL

1.01 SUMMARY

- A. This Section specifies the requirements for the sampling, testing, transportation and certification of imported fill materials or exported fill materials from school sites.
- B. This Section defines:
 - 1. CONTRACTOR requirements for use of existing, imported or generated materials on school sites.
 - 2. CONTRACTOR requirements for stockpiling materials for use on schools sites.
 - 3. CONTRACTOR requirements for exporting materials from a school site including transportation.
 - 4. Testing requirements for all materials imported, exported, stockpiled or generated for use on a school site.
 - 5. CONTRACTOR testing and reporting requirements.
 - 6. CONTRACTOR submittal requirements.
- C. Related Requirements:
 - 1. Division 1: General Requirements.
 - 2. Section 01 1100: Summary of Work.
 - 3. Section 01 3113: Project Coordination.
 - 4. Section 01 3213: Construction Schedule.
 - 5. Section 01 3300: Submittal Procedures.
 - 6. Section 01 7700: Contract Closeout.

7. Section 31 2200: Grading.
8. Section 31 2313: Excavation and Fill.
9. Section 31 2316: Excavation and Fill. (Pavement)
10. Section 31 2319: Excavation and Fill (Structures).
11. Section 31 2323: Excavation and Fill (Utilities).
12. Section 31 2333: Excavation and Fill for Synthetic Play Fields.
13. Section 32 1100: Base Course.

1.02 OBJECTIVES

- A. Ensure that fill materials imported to school sites are safe for students, staff and visitors.
- B. Ensure that materials exported from school sites for use at school and non-school sites or offsite disposal/recycling are adequately characterized for lawful disposition.
- C. Ensure that representative data be collected so that analytical determinations can be made in regard to the first two objectives.
- D. Require CONTRACTOR to contract with and pay for the services of a licensed environmental professional (licensed State of California Professional Engineer [PE Civil] or Professional Geologist [PG]) familiar with environmental site assessment and waste classification and disposal requirements to perform such services.
- E. Require CONTRACTOR to contract with and pay for an independent, approved California Department of Health Services certified testing laboratory to perform analytical testing of imported, exported and site generated fill materials.
- F. Require CONTRACTOR to pay all fees required by authorities having jurisdiction over area.
- G. Require CONTRACTOR to post bonds required by authorities having jurisdiction over area.

1.03 DEFINITIONS

- A. Definitions not furnished in text of this section:
 1. CEQA: California Environmental Quality Act.
 2. EIR: Environmental Impact Report.
 3. Environmental Health Supervisor, Environmental Compliance Group: Individual at OEHS, who ensures OWNER compliance with all pertinent regulations, ordinances, codes, and/or policies.
 4. OEHS: OWNER's Office of Environmental Health and Safety.
 5. Licensed Environmental Professional: Person licensed in the State of California and with sufficient knowledge and experience to competently perform environmentally-related work, including (but necessarily limited to) environmental site investigations, remedial projects, and other tasks involving the collection of soil, soil vapor, and groundwater samples; the selection of

analytical methods for said samples; the interpretation of analytical data; the preparation of work plans, reports, and other relevant documents; and the supervision and/or oversight of remedial contractors. For the purposes of this Section, a licensed environmental professional shall include a Professional Geologist or “P.G.” or a Civil Professional Engineer or “P.E.”

6. ug/kg: micrograms/kilogram.
7. mg/kg: milligrams/kilogram.
8. NA: Not Applicable.
9. RCRA: federal Resource Conservation and Recovery Act.
10. Soil Certification/Sample Data Report: Report documenting location, volume, sampling procedures, analytical methods, chemical test results, and recommendations for either disposing or re-using stockpiled soil excavated from OWNER sites or proposed for import to same. Preparation of report is to follow the procedures given in Article 1.04 of this Section.
11. Soil Sampling Plan (SSP): As described in Article 1.04 of this Section, a document providing sufficient guidance with which to adequately characterize soil proposed for import to, or export from, an OWNER’s school Site. Guidance in this document is to be in accordance with the procedures described in Article 1.04 of this Section.
12. STLC: Soluble Threshold Limit Concentrations as defined in Tables II and III, Chapter 11, Article 3, § 66261.24-1 of Title 22 of the California Code of Regulations (CCR).
13. TCLP: Toxicity Characteristic Leaching Procedure, test Method 1311, documented in Title 40, Part 261, Subpart C, § 261.24 of the Code of Federal Regulations (CFR).
14. TPH: Total Petroleum Hydrocarbons.
15. TTLC: Total Threshold Limit Concentrations, as defined in Tables II and III, Chapter 11, Article 3, § 66261.24-1 of Title 22 of the CCR.
16. USEPA or EPA: United States Environmental Protection Agency.
17. VOCs: Volatile Organic Compounds.
18. WET: Waste Extraction Test, as defined in Appendix II-1, Chapter 11 of Title 22 of the CCR.

1.04 SUBMITTALS

A. CONTRACTOR shall submit to OAR for transmittal to the OEHS:

1. A qualifications statement for CONTRACTOR’s independent California certified testing laboratory and required licensed environmental professional (California Professional Civil Engineer (PE) or Professional Geologist (PG) prior to the start of Work. CONTRACTOR’s licensed environmental professional must possess

recent demonstrated environmental experience in soil sampling and waste classification.

2. A draft import/export Soil Sampling Plan (SSP) prepared by CONTRACTOR's licensed environmental professional for review and concurrence by OEHS. The objective of the SSP is to obtain representative sample data. The Draft SSP or equivalent document acceptable to OEHS must be submitted at least 72 hours prior to all proposed import/export sampling activities. The consultant's proposal (with or without fees) is acceptable in lieu of a SSP.
 - a. At a minimum, the Draft SSP shall include a site map which shows the location of the proposed import/export soils and the location and number of the proposed stockpile samples. The draft SSP shall also contain information pertaining to the total volume of the stockpile proposed for sampling and the rationale in support of the proposed sampling approach. Existing environmental documentation specific to the import/export site shall be utilized by the CONTRACTOR's environmental professional to support the proposed sampling approach and analytical method suite. It is the responsibility of the CONTRACTOR to request this information in advance from the OAR if they do not already have access to a copy at the jobsite.
 - b. Lacking this information or rationale, samples shall be analyzed for all analytical methods described in paragraph 3.02 E. Guidance for the minimum number of samples per total volume of soil to be excavated is provided in Table 1. Supplemental samples may be required by OEHS if pothole sampling is utilized. In addition, the draft SSP shall contain all necessary contact information for the import/export site and a proposed schedule for the sampling activities.
 - c. OEHS will either approve the document or request that revisions be made. This process shall continue until OEHS approves the draft SSP.
3. Draft Soil Certification/Sample Data Report:
 - a. A draft Soil Certification/Sample Data Report prepared by CONTRACTOR's licensed environmental professional for review and concurrence. At a minimum the draft Soil Certification/Sample Data Report shall contain:
 - 1) A site map showing the location of the in situ sampling locations or the stockpile(s) and stockpile sample locations.
 - 2) A detailed discussion and evaluation of the laboratory results.
 - 3) A summary of findings and recommendations that provide a determination on the waste classification of the subject materials, based on the representative sample results.
 - 4) Recommendations for additional step-out samples, if any.
 - 5) Chain-of-custody forms and all laboratory data with respective QA/QC sheets.

- b. CONTRACTOR must allow OEHS a minimum of 72 hours to review the draft Soil Certification/Sample Data Report. OEHS will either approve the document or request that revisions be made. This shall continue until OEHS approves the draft Soil Certification/Sampling Data Report.
- c. Upon revision of the draft Soil Certification/Sample Data Report by the CONTRACTOR'S licensed environmental professional and acceptance by OEHS, the final report, signed and stamped by the licensed professional, shall be submitted to the OAR for distribution to OEHS and the project file. If the soil is to be exported to or imported from, an OWNER school site, if it satisfied the requirements of paragraphs 3.02.F and 3.02.G of this Section, then a PG or civil PE must sign and stamp the final report.
 - 1) The Environmental Health Supervisor, Environmental Compliance Group will confirm that the proposed waste classification for the proposed import/export material is appropriate. For materials designated unacceptable for export except to a licensed facility, or for those materials sent electively by CONTRACTOR to a licensed facility, the Environmental Health Supervisor, Environmental Compliance Group will provide information on the necessary waste manifest documentation.
 - 2) If an OAR/Complex Project Manager (CPM) would like OEHS to conduct the soil sampling and/or soil removal, the OAR/CPM should submit a Project Referral Form with completed COLIN funding line information to OEHS at least 3 weeks prior to when the work needs to be conducted. Submit the Project Referral Form to: environmental_review@lausd-oehs.org
- 4. Written documentation, e-mail is acceptable, verifying that all export soil data for any soils exported for use at a non-school site, including the final Certification Report prepared by CONTRACTOR's licensed environmental professional, were provided to the proposed recipient prior to export and delivery.
- 5. Prior to import/export, written documentation in the form of a letter sent by the transporter to the CONTRACTOR, who must in turn submit it to OEHS, to verify the following:
 - a. The hauling contract for each load imported to, or exported from, the school site specifies the use of "clean" trucks and/or trailer beds, in which the material will be carried;
 - b. The actual trucks and/or trailer beds utilized for import/export activities will be clear of visible contamination or deleterious materials;
 - c. The trucks will go directly from the source location to the recipient location with no detours or stops at other locations; and
 - d. Short loads will not be augmented by other materials that were not tested as part of the final SSP.
 - e. All import/export transportation activities shall be conducted in accordance with all applicable local, state and federal rules and regulations.

6. Certification, in the form of haul tickets or completed waste manifests, documenting the volume and recipient of all import/export materials and activities. This documentation shall be coordinated through the OEHS Environmental Health Supervisor, Environmental Compliance Group.
 - a. For approved import/export to unregulated facilities (landfill) or non-school sites, haul tickets may be utilized, but shall contain the following minimum information:
 - 1) Date(s) of haul activity.
 - 2) Address of source site.
 - 3) Address of recipient.
 - 4) Load volume.
 - 5) Time of departure from source.
 - 6) Time of arrival at recipient site.
 - 7) Signature of recipient or recipient's agent.
 - 8) It is the CONTRACTOR's responsibility to confirm that no other trips or short-load augmentation occurred and submit documentation to the OAR and OEHS.
 - b. For export to regulated facilities (landfills, recyclers, etc.), the appropriate waste manifest as determined by the OEHS Environmental Health Supervisor, Environmental Compliance Group in paragraph 1.04.A.3 must be completed and a copy of the executed manifest, signed by the receiving site, must be provided to the OAR. The waste manifest copy, signed by the receiving facility and based on the manifest address, will be sent directly to OEHS and the OEHS Environmental Health Supervisor, Environmental Compliance Group.

1.05 APPROVALS

- A. No import or export of earth or geotechnical grading or filling materials can occur at OWNER sites without prior approval by OEHS.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Imported:
 1. Soils: Soils proposed for import shall be tested pursuant to the requirements of this Section (01 4524), unless a variance has been requested by CONTRACTOR and approved by OEHS prior to the import of the subject materials.
 2. Gravels: Clean gravel, consisting of native rock from a commercial source, may be granted a variance from the testing requirements of this Section provided a request

for variance is submitted by CONTRACTOR for review and approval at least 72 hours prior to import. CONTRACTOR shall provide written documentation, which identifies the source, volume and proposed transport date(s) of the material for review.

- a. Furthermore, a letter signed and stamped by either a Civil PE or PG and originating from the commercial source must state the following:
 - 1) The quarry does not mine ultramafic (i.e. natural asbestos containing) materials.
 - 2) The gravel is produced from virgin aggregate materials and does not contain any contaminated or reclaimed or recycled materials.
 - b. Additionally, a letter from the material transporter and signed by the same must state the following:
 - 1) Haul truck and/or trailer beds transferring the material are clear of visible contamination and deleterious materials.
 - 2) Haul trucks will go directly from the quarry source to the site with no trips or augmentation of short loads with other materials.
 - c. The request for variance requires approval by OEHS prior to CONTRACTOR importing the materials.
3. Sands: Clean sand from a commercial source may be granted a variance from the testing requirements of this Section provided a request for variance is submitted by CONTRACTOR for review and approval at least 72 hours prior to import. CONTRACTOR shall provide written documentation, which identifies the source, volume and proposed transport date of the material for review.
- a. Furthermore, a letter signed and stamped by either a Civil PE or PG and originating from the commercial source must state the following:
 - 1) The source does not mine ultramafic (i.e. natural asbestos containing) materials.
 - 2) The sand is produced from virgin materials and does not contain any contaminated or reclaimed or recycled materials.
 - b. Additionally, a letter from the material transporter and signed by the same must state the following:
 - 1) Haul truck and/or trailer beds transferring the material are clear of visible contamination or deleterious materials.
 - 2) Haul trucks will go directly from the commercial source to the site with no trips or augmentation of short loads with other materials.
 - c. The request for variance requires approval by OEHS prior to CONTRACTOR importing the materials.

4. Miscellaneous Material: No miscellaneous material containing crushed concrete, asphalt, construction debris, recycled, or other potential deleterious materials may be utilized or imported to an OWNER project site for use as fill or grading material.
- B. Exported/Site Generated:
1. Soils: Soils proposed for export shall be tested pursuant to the requirements of the subject section, unless a variance has been requested by CONTRACTOR and approved by OEHS prior to the import of the subject materials. Once soils or other materials for export have been tested, they cannot be disturbed or reused for any purpose without prior approval by OEHS.
 2. Gravels/Sands: Gravels, sands, or other natural rock materials shall not be exported from an OWNER project site without prior testing by CONTRACTOR pursuant to this Section (01 4524) and/or approval by OEHS. An exception to this provision is gravel adhering to concrete or asphalt pavement. In this instance and in consultation with OEHS, which shall make the final decision, CONTRACTOR may dispose of said materials and construction debris without sampling and analytical testing required under this Section.
 3. Miscellaneous Material. No miscellaneous material or other similar materials shall be exported from an OWNER project site without prior testing by CONTRACTOR pursuant to this Section (01 4524) and/or approval by OEHS. No crushed miscellaneous material containing concrete, asphalt, construction debris, or other potential deleterious materials that is generated onsite may be used as fill or grading material of any sort at an OWNER project site. Crushed asphalt shall be segregated and stockpiled separately. The onsite use of crushing equipment is not permitted.

PART 3 - EXECUTION

3.01 GRADING/EXCAVATION

- A. If the CONTRACTOR encounters an area with discolored, stained, and/or odorous soils or any other evidence of contamination during excavation/grading work, CONTRACTOR must immediately notify the OAR, cease work in the aforementioned area, and secure the area with fencing, tape, stakes or other suitable means to prevent entry by personnel or equipment. In turn, the OAR will immediately notify OEHS, which will initiate a construction response to address the contamination, in accordance with pertinent regulatory requirements.

3.02 SAMPLING AND TESTING

- A. CONTRACTOR shall contract with, and pay for, the services of a licensed environmental professional, licensed State of California Professional Civil Engineer (PE) or Professional Geologist (PG), to oversee or perform sampling of Materials that are subject to this Section.
- B. CONTRACTOR shall contract with, and pay for, an independent, approved California Department of Health Services certified testing laboratory to perform testing of imported, exported and site generated fill materials.

- C. All fill/grading material, unless otherwise specified in writing by OEHS, whether imported or exported, must be tested at the site of origin. Import/export testing and certification process shall include the steps listed below. OWNER retains the right to refuse any fill material proposed for use at a school site.
1. Stockpile all materials for sampling (standard stockpile or backhoe pothole stockpile). Crushed fill materials generated by CONTRACTOR at a school site must be segregated by material.
 2. Submit draft SSP for review and concurrence by OEHS. SSP must include figures identifying the site location, the in situ sampling boundary or stockpile location, the sampling locations, and a brief site history including the type of remedial activity that occurred at the source site, if any.
 3. Collect and analyze samples (see Table 1 for number of samples per volume) per the SSP. Samples must include both discrete samples and composite samples.
 - a. Discrete samples correspond to a single sample depth at a single sampling/boring location. Discrete samples are to be used for producing composite samples, as described in subparagraph b. below, and for analysis, in accordance with paragraph 3.02.E.1, which applies only to VOCs and TPH-g. For analysis of these compounds, the licensed professional shall collect one discrete sample from each sampling location and samples should be collected at different depths between these locations, so that all stockpile depths are equally represented.
 - b. Composite samples correspond to three sample depths from a single sampling location (this includes in situ samples). Each composite sample shall consist of three discrete samples collected near the top, middle, and bottom of the stockpile or in situ boring location at each sampling location. The licensed environmental professional shall then have the analytical laboratory combine the discrete samples into a single composite sample. The laboratory should be directed to retain a sufficient quantity of each discrete sample for further analysis, as necessary. The composite sample shall be analyzed, in accordance with paragraph 3.02.E.2, which describes required testing other than for VOCs and TPH-g. Once materials for export have been stockpiled and tested, they may not be used onsite for any purpose without prior approval by OEHS.
 - 1) Composite samples with analyte concentrations approximating or exceeding acceptable screening criteria, as specified below in paragraphs F through H, may be attributed to constituents within one or more discrete samples. Analyzing the discretely comprising the composite may reveal the discrete samples with elevated analyte concentrations and, thus, better isolate (and minimize) the volume of soils within the stockpile requiring removal and licensed disposal.
 4. Submit draft Soil Certification/Sample Data Report for review and concurrence by OEHS.

5. Submit final Soil Certification/Sample Data Report to the OEHS. All certified material not utilized or exported within a period of 90 days will be subject to retesting unless a variance is requested by CONTRACTOR and is approved by OEHS prior to use or import/export of the subject materials.
 6. Submit required pre import/export documentation/record to the OAR and to OEHS, e-mail is acceptable.
 7. Submit post import/export certifications to the OAR and OEHS, e-mail is acceptable.
 8. In addition to the preceding, requirements, and as necessary or as specified by OEHS, certifications and submittals as indicated in previous articles of PART 3 or in the remainder of this Section may be required.
- D. Import/export fill materials shall be samples in situ or stockpiled by CONTRACTOR (or at export site) and are deemed acceptable for import/export or reuse only when it is demonstrated to the satisfaction of OEHS that the subject materials meet the requirements of this Section.
- E. As described in paragraph 1.04.A.2.b, lacking site-specific data or sample rationale to support a more focused analytical approach; the CONTRACTOR shall analyze all samples for the following substances according to the methods indicated below. Table 3 is a waste classification flowchart for use by CONTRACTOR's licensed environmental professional. In all cases, detection levels and quality assurance/quality control methods shall be in accordance with standard method reporting limits, best laboratory practices and the following USEPA (EPA) methods for discrete and composite samples:
1. Discrete samples shall be analyzed for Volatile Organic Compounds (VOCs), utilizing EPA Method 8260B/5035 and for Total Petroleum Hydrocarbons (TPH) gasoline (TPH-g), utilizing EPA Method 8015M [with EPA Method 5035 extraction using either volatile organic analysis (VOA) kits, EnCores[®], or an equivalent soil collection device].
 2. Composite samples shall be analyzed for the following:
 - a. TPH, utilizing EPA Method 8015M, for full carbon-chain speciation (including diesel, oil, and other long-chain hydrocarbons).
 - b. Polychlorinated biphenyls, utilizing EPA Method 8082.
 - c. Semi-Volatile Compounds (SVOCs), utilizing EPA Method 8270C.
 - d. Organochlorine Pesticides (OCPs), utilizing EPA Method 8081A.
 - e. Organophosphorous Pesticides (OPPs), utilizing EPA Method 8141A.
 - f. Chlorinated Herbicides, utilizing EPA Method 8151A.
 - g. California Code of Regulations Title 22 (CAM 17) Metals, utilizing EPA Method 6010B/7470A.
 - h. Hexavalent Chromium, utilizing EPA Method 7199.
 - i. Arsenic/Thallium, utilizing EPA Method 6020.

3. For EPA Method 8270C, a Method Detection Limit (MDL) of 250 ug/kg in addition to the Practical Quantitation Limit (PQL) or equivalent. This requirement is due to a recent DTSC directive requiring MDLs or PQLs to be sufficiently low to detect Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs) in the composite sample, even if these compounds exceed actionable concentrations (900 ug/kg) in only one of the three discrete samples comprising the composite.
 4. The certified laboratory may also need to analyze the composite samples for polycyclic aromatic hydrocarbons (PAHs), a component of semi-volatile compounds, if the data evaluation performed in accordance with paragraph 3.02.G of this Section (01 4524) does not meet DTSC requirements. The analytical methods to be used for this purpose are EPA Method 8270 SIM, if the samples contain relatively high concentrations of hydrocarbons, or EPA Method 8310, if the samples contain low concentrations of hydrocarbons.
- F. Import/export fill material may be deemed defective for use by OEHS at a school site if any of the following results are obtained:
1. TPH are present at concentrations exceeding 100 milligrams per kilogram (mg/kg) for gasoline and/or 1,000 mg/kg for oil/diesel and long-chain hydrocarbons.
 2. Solvents and other VOCs are present at concentrations exceeding the laboratory reporting limit. Detections between the laboratory reporting limit and the practical quantitation limit (J-flags) should not be reported.
 3. PCBs are present at concentrations exceeding the laboratory reporting limit. Detections between the laboratory reporting limit and the practical quantitation limit (J-flags) should not be reported.
 4. SVOCs are present at concentrations exceeding the laboratory reporting limit. Detections between the laboratory reporting limit and the practical quantitation limit (J-flags) should not be reported.
 5. OCPs are present at concentrations exceeding the laboratory reporting limit. Detections between the laboratory reporting limit and the practical quantitation limit (J-flags) should not be reported.
 6. OPPs are present at concentrations exceeding the laboratory reporting limit. Detections between the laboratory reporting limit and the practical quantitation limit (J-flags) should not be reported.
 7. Chlorinated herbicides are present at concentrations exceeding the laboratory reporting limit. Detections between the laboratory reporting limit and the practical quantitation limit (J-flags) should not be reported.
 8. California Code of Regulations Title 22 (CAM 17) Metals at concentrations exceeding site-specific background. Detections between the laboratory reporting limit and the practical quantitation limit (J-flags) should not be reported.
 9. Hexavalent chromium is present at concentrations exceeding 300 ug/kg.

- G. As mentioned in paragraph 3.02.E, evaluate concentrations of CPAHs, a subset of SVOCs, in the import/export material by conducting the analyses set forth below.
1. Comparing CPAH concentrations with the benzo(a)pyrene [b(a)p] equivalent concentration of 900 ug/kg, the background concentration for CPAHs defined in “A Methodology For Using Background PAHs To Support Remediation Decisions,” prepared by the Environ Corporation for the Southern California Gas Company and Southern California Edison, January 24, 2002 (referred to as “document”). In this document, CPAHs are defined in Table 2, and Potency Equivalency Factors (PEFs) for each CPAH are listed in Table 3. Using the correct PEF for each CPAH, the licensed environmental professional shall convert the concentration of each CPAH into its b(a)p equivalent concentration. The summation of these b(a)p equivalents for each CPAH must not exceed 900 ug/kg. If CPAHs do not exceed the laboratory reporting limit, then the licensed environmental professional must perform the procedure described above, using the PEF and the laboratory reporting limit (LRL) for each CPAH. The result will be the LRL for each CPAH converted to b(a)p equivalent concentrations. The summation of these b(a)p equivalent concentrations (representing the LRL for each CPAH) must not exceed 900 ug/kg.
- H. Evaluate concentrations of metals in import fill by conducting the analysis set forth below.
1. Compare the maximum detected metal concentrations in import/export material samples to either DTSC or US EPA regulatory action levels for either residential or school sites, whichever is more conservative. If any metal concentration exceeds its listed regulatory action level, the fill material fails and shall be deemed defective and unacceptable for use.
 2. In addition to paragraph 3.02.G.1, import/export fill shall be deemed defective and unacceptable for use if any of the following results are obtained:
 - a. Arsenic concentrations greater than or equal to 12.0 mg/kg.
 - b. Lead concentration greater than or equal to 80 mg/kg.
 - c. Import/Export materials at school sites with total lead concentrations greater than or equal to 50 mg/kg shall be analyzed for leachability (STLC) prior to export. Materials exceeding STLC limits identified in Table 2 are deemed defective and unacceptable for use at school sites.
 - d. Import/Export materials at school sites with total chromium concentrations greater than or equal to 100 mg/kg shall be tested for hexavalent chromium.
- I. All export/import material shall be characterized, handled, and documented in accordance with applicable US EPA and State of California hazardous waste and hazardous materials regulations (See Table 2). For the purpose of this specification, “contaminated” shall mean any soil or geotechnical material with constituent concentrations, which would require disposal at a regulated facility (i.e., California hazardous waste or RCRA hazardous waste). Refer to Article 3.03 COSTS which outline the disposal fee requirements for excavated contaminated soil. OAR must be notified at least 72 hours prior to the disposal of hazardous waste or hazardous material. No material disposal or reuse can take place without prior written approval of OEHS.

- J. Specification test results and OEHS approvals are valid for a period of 90 days from the date of the subject testing unless a variance is requested by CONTRACTOR and approved by OEHS. Previously approved materials shall not be utilized or disposed offsite after the 90 day limit without prior review and approval by OEHS.
- K. Requests for variances to this Specification Section shall be submitted in writing to OEHS a minimum of two weeks in advance of need for review and approval. The request for a variance from soil sampling for export must state the following: "The soil for export is less than 10 cubic yards, has no visible staining, is not odorous, and appears native". A photograph of the stockpiled soil must be included in the variance request. The photograph must have a representative scale within it in order for OEHS to determine the volume of soil to be exported. The request for variance must provide all available testing data, and a rationale to support the request. OEHS will review the request for variance and will provide its preliminary determination within 72 hours. Once OEHS approves the variance from sampling, the soil stockpile may be removed as "construction related debris". Certain requests may require final approval by the DTSC.

3.03 TRANSPORTATION

- A. Details of the samples and testing must be submitted to and approved by OEHS Environmental Compliance Manager before the materials from which the samples were collected undergo transportation.
- B. Haul Routes and Regulations/Restrictions: CONTRACTOR must comply with requirements of project environmental disclosure documents (i.e., CEQA EIR) and authorities having jurisdiction over the project area and the proposed activities (e.g. Regional Water Quality Control Board, DTSC, etc.).

3.04 COSTS

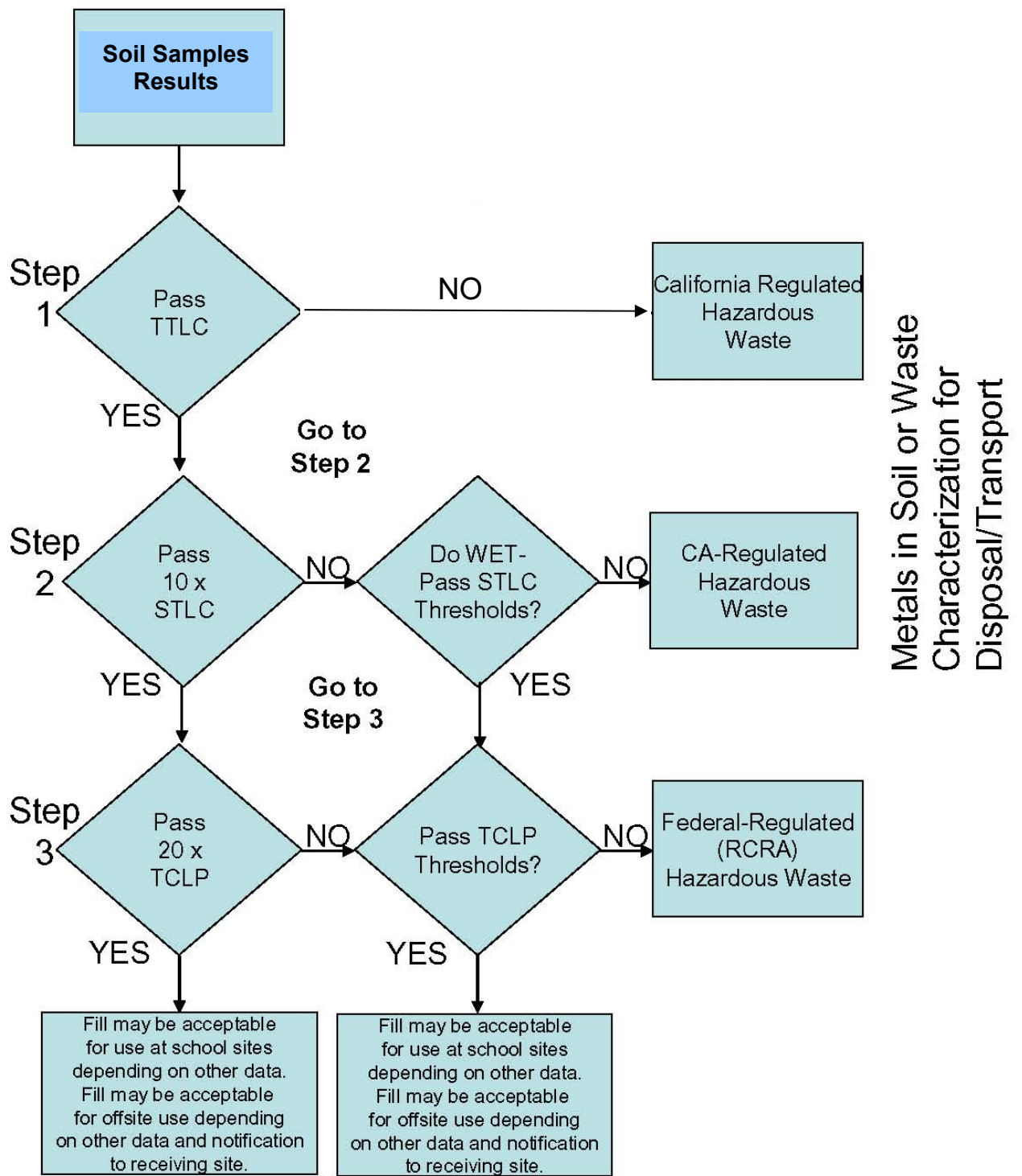
- A. CONTRACTOR shall pay all fees required by authorities having jurisdiction over area.
- B. Contractor shall pay all fees for disposal and/or processing of impacted and/or hazardous fill materials at a regulated facility.
- C. CONTRACTOR shall post and pay for all bonds required by authorities having jurisdiction over area.

TABLE 1: MINIMUM SAMPLING FREQUENCY

Volume (Cubic Yards)*	Sampling Frequency*
0 - 500	1 per 100 CY
501 - 1,000	1 per 250 CY
1,001 - 5,000	1 per 250 CY for first 1000 CY 1 per 500 CY thereafter
> 5,000	12 samples for first 5000 CY 1 per 1000 CY thereafter
<p>All samples are to be collected, analyzed and accepted before import/export: materials going to licensed facilities must meet sampling criteria from that facility. The rationale for sample approach should be discussed in the draft SSP.</p> <p>Pothole stockpile sampling may require discrete depth supplemental sampling in order to achieve representative results. The rationale for sample approach should be discussed in the draft SSP. In-situ (in place) sampling by mechanical boring or a hand auger method is acceptable if no space exists to store the soil stockpile at the site with prior OEHS approval.</p> <p>*Discuss alternative screening & sampling approaches with OEHS representative for project.</p>	

Chemicals of Potential Concern	TABLE 2 WASTE CHARACTERIZATION				
	Hazardous Waste if Exceed Criteria - TTLC Level* (mg/kg)	Additional WET Leaching Tests if Exceed Hazardous Waste Criteria - 10 times STLC Level** (mg/kg)	California-Regulated Hazardous Waste - Soluble Threshold Limit Concentration -STLC Level (mg/l)	Additional TCLP Leaching Tests if Exceed Hazardous Waste Criteria - 20 times TCLP Level** (mg/kg)	Federally-Regulated (RCRA) Hazardous Waste - Toxicity Characteristic Leaching Procedure - TCLP Level (mg/l)
CAM 17 Metals					
Antimony	500	150	15	NA	NA
Arsenic	500	50	5	100	5
Barium	10,000	1,000	100	2,000	100
Beryllium	75	7.5	0.75	NA	NA
Cadmium	100	10	1	20	1
Chromium	2,500	50	5	100	5
Cobalt	8,000	800	80	NA	NA
Copper	2,500	250	25	NA	NA
Lead	1,000	50	5	100	5
Mercury	20	2	0.2	4	0.2
Molybdenum	3,500	3,500	350	NA	NA
Nickel	2,000	200	20	NA	NA
Selenium	100	10	1	20	1
Silver	500	50	5	100	5
Thallium	700	70	7	NA	NA
Vanadium	2,400	240	24	NA	NA
Zinc	5,000	2,500	250	NA	NA
<i>Chromium (VI)</i>	500	50	5	NA	NA

TABLE 3 – WASTE CLASSIFICATION FLOWCHART



END OF SECTION

APPENDIX H: PROUCL OUTPUT FILES

UCL Statistics for Data Sets with Non-Detects
Bethune Middle School, All Left in Place Total PCB Data

User Selected Options

Date/Time of Computation	ProUCL 5.2 10/31/2023 7:16:36 PM
From File	Bethune In Place Total PCBs.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

PCBS

General Statistics

Total Number of Observations	172	Number of Distinct Observations	33
Number of Detects	33	Number of Non-Detects	139
Number of Distinct Detects	32	Number of Distinct Non-Detects	1
Minimum Detect	0.0201	Minimum Non-Detect	0.02
Maximum Detect	13.64	Maximum Non-Detect	0.02
Variance Detects	8.532	Percent Non-Detects	80.81%
Mean Detects	1.097	SD Detects	2.921
Median Detects	0.108	CV Detects	2.662
Skewness Detects	3.645	Kurtosis Detects	13.21
Mean of Logged Detects	-1.864	SD of Logged Detects	1.838

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.417	Shapiro Wilk GOF Test
1% Shapiro Wilk Critical Value	0.906	Detected Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.356	Lilliefors GOF Test
1% Lilliefors Critical Value	0.177	Detected Data Not Normal at 1% Significance Level

Detected Data Not Normal at 1% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.227	KM Standard Error of Mean	0.103
90KM SD	1.329	95% KM (BCA) UCL	0.438
95% KM (t) UCL	0.397	95% KM (Percentile Bootstrap) UCL	0.419
95% KM (z) UCL	0.396	95% KM Bootstrap t UCL	0.874
90% KM Chebyshev UCL	0.535	95% KM Chebyshev UCL	0.675
97.5% KM Chebyshev UCL	0.869	99% KM Chebyshev UCL	1.251

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	3.304	Anderson-Darling GOF Test
5% A-D Critical Value	0.846	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.254	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.165	Detected Data Not Gamma Distributed at 5% Significance Level

**UCL Statistics for Data Sets with Non-Detects
Bethune Middle School, All Left in Place Total PCB Data**

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.344	k star (bias corrected MLE)	0.333
Theta hat (MLE)	3.185	Theta star (bias corrected MLE)	3.291
nu hat (MLE)	22.74	nu star (bias corrected)	22
Mean (detects)	1.097		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.219
Maximum	13.64	Median	0.01
SD	1.334	CV	6.106
k hat (MLE)	0.274	k star (bias corrected MLE)	0.273
Theta hat (MLE)	0.799	Theta star (bias corrected MLE)	0.802
nu hat (MLE)	94.11	nu star (bias corrected)	93.8
Adjusted Level of Significance (β)	0.0486		
Approximate Chi Square Value (93.80, α)	72.47	Adjusted Chi Square Value (93.80, β)	72.31
95% Gamma Approximate UCL	0.283	95% Gamma Adjusted UCL	0.284

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.227	SD (KM)	1.329
Variance (KM)	1.767	SE of Mean (KM)	0.103
k hat (KM)	0.0291	k star (KM)	0.0324
nu hat (KM)	10	nu star (KM)	11.16
theta hat (KM)	7.797	theta star (KM)	6.987
80% gamma percentile (KM)	0.00415	90% gamma percentile (KM)	0.16
95% gamma percentile (KM)	0.94	99% gamma percentile (KM)	5.726

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (11.16, α)	4.678	Adjusted Chi Square Value (11.16, β)	4.643
95% KM Approximate Gamma UCL	0.541	95% KM Adjusted Gamma UCL	0.545

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.878
10% Shapiro Wilk Critical Value	0.942
Lilliefors Test Statistic	0.198

Shapiro Wilk GOF Test

Detected Data Not Lognormal at 10% Significance Level

Lilliefors GOF Test

UCL Statistics for Data Sets with Non-Detects
Bethune Middle School, All Left in Place Total PCB Data

10% Lilliefors Critical Value 0.139 Detected Data Not Lognormal at 10% Significance Level
Detected Data Not Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.212	Mean in Log Scale	-7.946
SD in Original Scale	1.336	SD in Log Scale	4.248
95% t UCL (assumes normality of ROS data)	0.38	95% Percentile Bootstrap UCL	0.398
95% BCA Bootstrap UCL	0.463	95% Bootstrap t UCL	0.78
95% H-UCL (Log ROS)	20.79		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-3.519	KM Geo Mean	0.0296
KM SD (logged)	1.131	95% Critical H Value (KM-Log)	2.281
KM Standard Error of Mean (logged)	0.0875	95% H-UCL (KM -Log)	0.0684
KM SD (logged)	1.131	95% Critical H Value (KM-Log)	2.281
KM Standard Error of Mean (logged)	0.0875		

Note: KM UCLs may be biased low with this dataset. Other substitution method recommended

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	0.219
SD in Original Scale	1.334
95% t UCL (Assumes normality)	0.387

DL/2 Log-Transformed

Mean in Log Scale	-4.079
SD in Log Scale	1.343
95% H-Stat UCL	0.0538

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution

Suggested UCL to Use

95% KM (t) UCL 0.397

The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.

Please verify the data were collected from random locations.

**If the data were collected using judgmental or other non-random methods,
then contact a statistician to correctly calculate UCLs.**

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

APPENDIX I: GEOTECHNICAL INVESTIGATION REPORT



Converse Consultants

Geotechnical Engineering
Environmental & Groundwater Science
Inspection & Testing Services

GEOTECHNICAL INVESTIGATION REPORT

COURTYARD ADA IMPROVEMENTS

BETHUNE MIDDLE SCHOOL
155 WEST 69TH STREET
LOS ANGELES, CALIFORNIA 90003

CONVERSE PROJECT No. 23-31-134-01

Prepared For:

LOS ANGELES UNIFIED SCHOOL DISTRICT

Ms. Cristina Cho
AE Services-Structural
333 South Beaudry Avenue, 22nd Floor
Los Angeles, California 90017

Presented By:

CONVERSE CONSULTANTS

717 South Myrtle Avenue
Monrovia, California 91016
626-930-1200

April 13, 2023



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

April 13, 2023

Ms. Cristina Cho
AE Services-Structural
Los Angeles Unified School District
333 South Beaudry Avenue, 22nd Floor
Los Angeles, California 90017

Subject: **GEOTECHNICAL INVESTIGATION REPORT**
Courtyard ADA Improvements
Bethune Middle School
155 West 69th Street
Los Angeles, California 90003
Converse Project No. 23-31-134-01

Dear Ms. Cho:

Enclosed is the Geotechnical Study Report prepared by Converse Consultants (Converse) for the Los Angeles Unified School District's (LAUSD) Courtyard ADA Improvement Project within the existing Bethune Middle School campus in Los Angeles, California.

The purpose of the study was to investigate the geotechnical site conditions and provide recommendations for the excavation, site preparations, concrete paving, and site structure foundation.

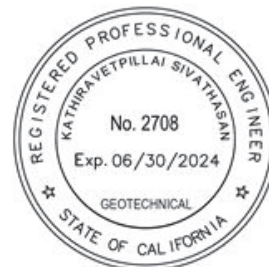
Based on our field exploration, laboratory testing, geologic evaluation, and geotechnical analysis, the site is suitable from a geotechnical standpoint for this project, provided our conclusions and recommendations are implemented during design and construction.

We appreciate the opportunity to be of continued service to Los Angeles Unified School District. If you should have any questions, please do not hesitate to contact us at (626) 930-1200.

Sincerely,

CONVERSE CONSULTANTS

Siva K. Sivathasan, PhD, PE, GE, DGE, QSD, F. ASCE
Senior Vice President/Principal Engineer

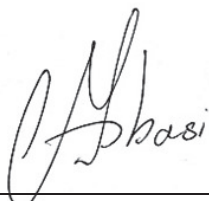


PROFESSIONAL CERTIFICATION

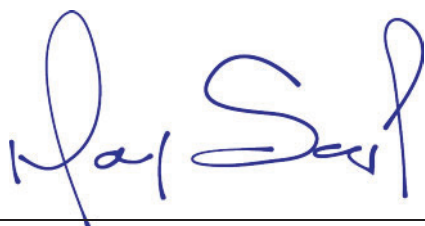
This report for the Bethune Middle School Courtyard ADA Improvement Project located within the existing Bethune Middle School campus in Los Angeles, California, has been prepared by the staff of Converse under the professional supervision of the individuals whose seals and signatures appear hereon.

The findings, recommendations, specifications, or professional opinions contained in this report were prepared in accordance with generally accepted professional engineering and engineering geologic principles and practice in this area of Southern California. There is no warranty, either expressed or implied.

In the event that changes to the property occur, or additional, relevant information about the property is brought to our attention, the conclusions contained in this report may not be valid unless these changes and additional relevant information are reviewed, and the recommendations of this report are modified or verified in writing.



Babak Abbasi, PhD, PE
Project Manager



Douglas S. Santo, PG, CEG, CHG
Principal, Chief Engineering Geologist



Siva K. Sivathasan, PhD, PE, GE, DGE, QSD, F. ASCE
Senior Vice President/Principal Engineer



EXECUTIVE SUMMARY

The following is a summary of our geotechnical investigation, conclusions and recommendations as presented in the body of this report. Please refer to the appropriate sections of the report for complete conclusions and recommendations. In the event of a conflict between this summary and the report, or an omission in the summary, the report shall prevail.

- The proposed project is located at 155 West 69th Street, Los Angeles County, California. The subject site is relatively flat to gently sloping with surface elevations of approximately 141 feet relative to mean-sea-level (MSL). The site is bounded by West 67th Street to the north, S Broadway Street to the west, and S Main Street to the east. The site coordinates are: North latitude: 33.9782, West longitude: - 118.2763 degrees.
- A total of five (5) exploratory borings (BH-1 through BH-5) were advanced within the project sites on March 16 and 17, 2023. Borings were advanced using a hand auger with a 4-inch diameter to depths ranging from 10.5 feet to 20.5 feet below the existing ground surface (bgs). Each boring was visually logged by a Converse engineer and sampled at regular intervals and at changes in subsurface soils.
- The project site is not located within a currently designated State of California Earthquake Fault Zone for surface fault rupture. No surface faults are known to project through or towards the site.
- The site is located within a potential liquefaction zone per the State of California Seismic Hazard Zones Map for the Inglewood Quadrangle as shown in Figure No. 6, *Seismic Hazard Zones Map*.
- Groundwater was not encountered during our subsurface exploration to the deepest depth drilled of 20.5 feet below ground surface. Based on review of Historically Highest Groundwater Map, Plate No. 1.2, in the Seismic Hazard Zone report for the Inglewood 7.5-minute Quadrangle (1998), the historically highest groundwater level contours in the vicinity of the site are interpreted to be approximately 15 feet below ground surface.
- The earth materials encountered during our investigation consist of existing fill soils placed during previous site grading operations and natural alluvial soils to a maximum depth explored of 20.5 feet bgs. The fill soils encountered consists primarily of silty sands. The alluvial soil deposits below the fill consist of silty sands and sands. Sampling blow-counts correlate to loose to moderately dense conditions near surface, and generally become denser with depth.



- In general, the pH value, chloride content, and concentrations of water-soluble sulfates saturated resistivity of the site soils are in the non-corrosive range. The saturated resistivity of the site soils is in the mildly corrosive range to ferrous metals.
- The earth materials at the site should be excavatable with conventional heavy-duty earth moving equipment. Earthwork should be performed with suitable equipment for gravelly materials.
- For non-building structures (e.g., signs, fence walls, short retaining walls, etc.), conventional footings can be used.
- Musco lighting and other non-buildings structures can be supported on Cast-In-Drilled-Hole (CIDH) pile foundations.

Results of our investigation indicate that the site is suitable from a geotechnical standpoint for the proposed development, provided that the recommendations contained in this report are incorporated into the design and construction of the project.



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Appendices

Appendix A	Field Exploration
Appendix B	Laboratory Testing Program



1.0 INTRODUCTION

This report contains the findings and recommendations of our geotechnical study performed at the site of the Bethune Middle School ADA Improvement Project located in Los Angeles County, California, as shown on Figure No. 1, *Site Location Map*.

The purpose of the study was to evaluate the subsurface soil conditions and provide geotechnical recommendations and design recommendations for the design and construction of the proposed project, consistent with the 2022 edition of California Building Code (CBC), Title 24, Chapter 16; Earthquake Design, Chapter 18A, Foundation and Retaining Wall; Appendix Chapter 33, Excavation and Grading; Part 1' section 4-317 (e) and CGS Note 48-Checklist for the review of Geologic/Seismic Reports for California Public Schools, Hospitals and Essential Services Buildings for new and existing (retrofit/modernization) buildings.

This report is written for the project described herein and is intended for use solely by the Los Angeles Unified School District (LAUSD), Bethune Middle School, and its design team. It should not be used as a bidding document but may be made available to potential contractors for information on factual data only. For bidding purposes, the contractors should be responsible for making their own interpretation of the data contained in this report.

2.0 SITE AND PROJECT DESCRIPTION

The proposed project is located at 155 West 69th Street, Los Angeles County, California. The subject site is relatively flat to gently sloping with surface elevations of approximately 141 feet relative to mean-sea-level (MSL). The site is bounded by West 67th Street to the north, South Broadway Street to the west, and South Main Street to the east. The site coordinates are: North latitude: 33.9782, West longitude: -118.2763 degrees.

We understand that the proposed project entails the American with Disabilities upgrade of the courtyard located amongst the classrooms and the lunch shelter shown on Figure No. 2, *Geologic and Boring Location Map*. The structural loads are anticipated to be low to moderate.

3.0 SCOPE OF WORK

The scope of our work included a site reconnaissance, subsurface exploration with soil sampling, laboratory testing, engineering analyses, and preparation of this report.

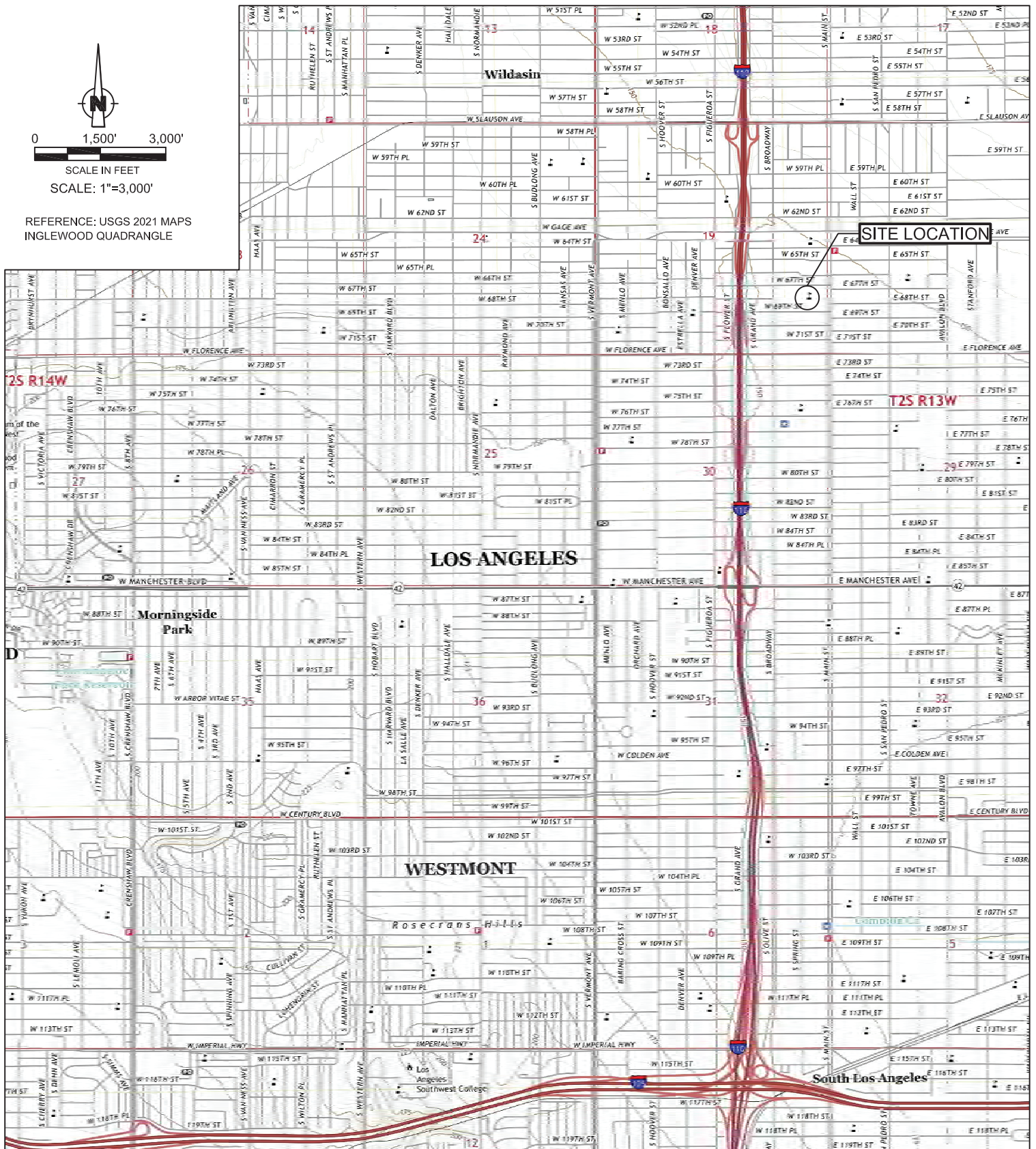




0 1,500' 3,000'

SCALE IN FEET
SCALE: 1"=3,000'

REFERENCE: USGS 2021 MAPS
INGLEWOOD QUADRANGLE



SITE LOCATION MAP

Courtyard ADA Improvements
Bethune Middle School
155 West 69th Street
Los Angeles, California 90003



Converse Consultants

Project No.
23-31-134-01

Figure No.

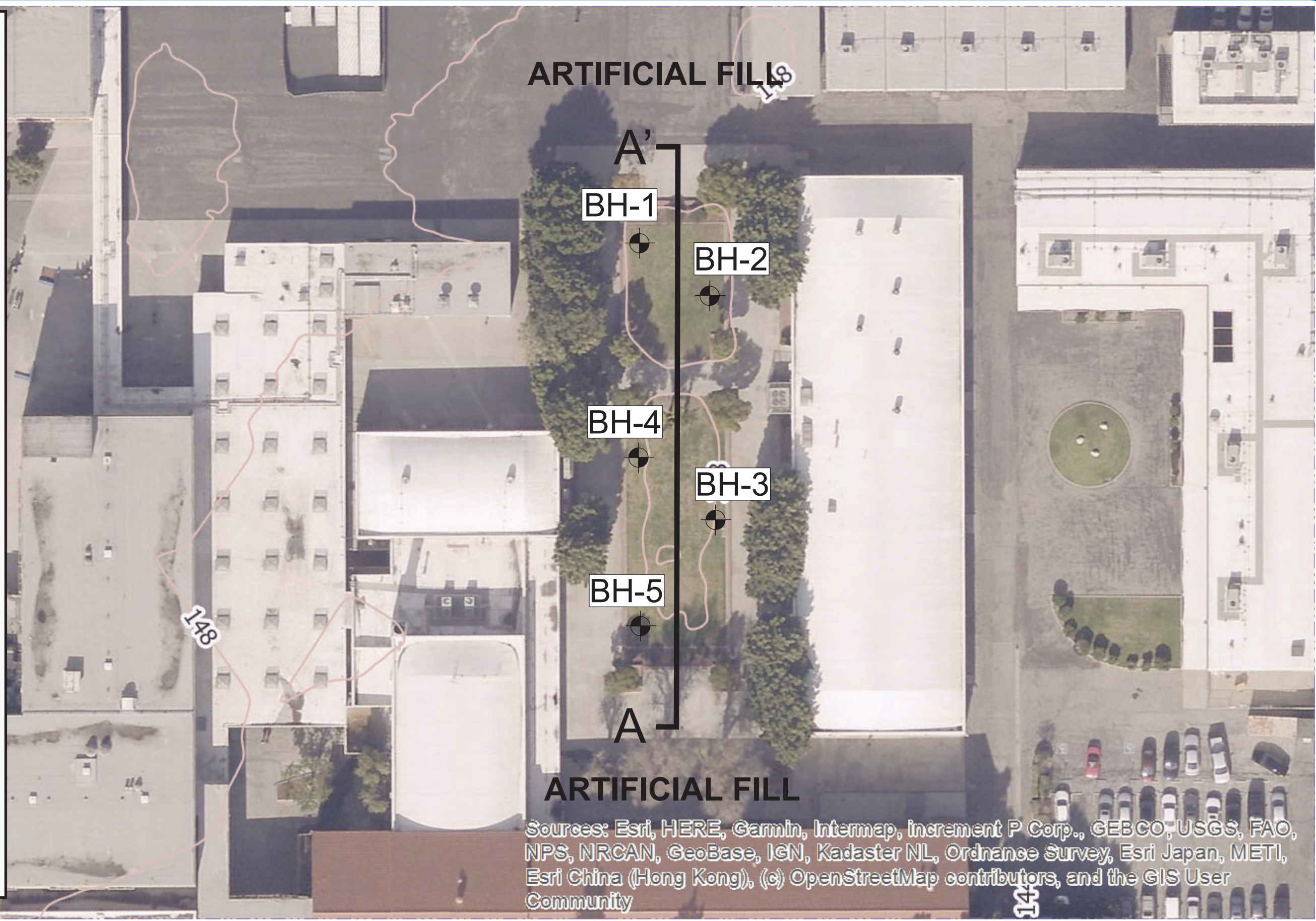
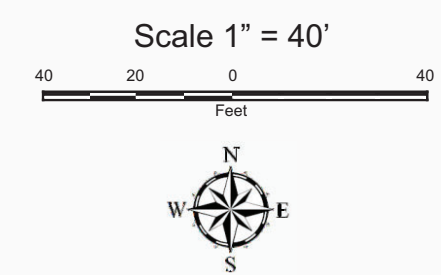
1

EXPLANATION

BH-1

Number and approximate location of exploratory boring

Letter and approximate location of geologic cross section



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

3.1 Site Reconnaissance

During the site reconnaissance on March 14, 2023, the surface conditions were noted, and the locations of the borings were determined so that access to all the locations was available for field investigation. The borings were located using existing boundary features as a guide and should be considered accurate only to the degree implied by the method used. Underground Service Alert (USA) of Southern California was notified of our proposed drilling locations at least 48 hours prior to initiation of the subsurface field work.

3.2 Subsurface Exploration

A total of five (5) exploratory borings (BH-1 through BH-5) were advanced within the project sites on March 16 and 17, 2023. Borings were advanced using a hand auger with a 4-inch diameter hollow stem auger to depths ranging from 10.5 feet to 20.5 feet below the existing ground surface (bgs). Each boring was visually logged by a Converse engineer and sampled at regular intervals and at changes in subsurface soils. Detailed descriptions of the field exploration and sampling program are presented in Appendix A, *Field Exploration*.

California Modified Sampler ring samples and bulk soil samples were obtained for laboratory testing. Borings were backfilled with soil cuttings, tamped and capped to match surface conditions.

The approximate locations of the exploratory borings are shown in Figure No. 2, *Geologic and Boring Location Map*. Detailed descriptions of the field exploration and sampling program are presented in Appendix A, *Field Exploration*.

3.3 Laboratory Testing

Representative samples of the site soils were tested in the laboratory to aid in classification and to evaluate relevant engineering properties. The tests performed included:

- In Situ Moisture Contents and Dry Densities (ASTM Standard D2216)
- Grain-Size Analysis (ASTM D422)
- Passing Sieve No. 200 (ASTM D1140)
- Direct Shear (ASTM Standard D3080)
- Maximum dry density and optimum-moisture content relationship (ASTM Standard D1557)
- Consolidation (ASTM Standard D2435)
- Soil Corrosivity Tests (Caltrans 643, 422, 417, and 532)
- R-value, ASTM D2844 and CTM301



For a description of the laboratory test methods and test results, see Appendix B, *Laboratory Testing Program*. For *in-situ* moisture and density data, see the Logs of Borings in Appendix A, *Field Exploration*.

3.4 Engineering Analyses and Report

Data obtained from the exploratory fieldwork and laboratory-testing program were analyzed and evaluated. This report was prepared to provide the findings, conclusions and recommendations developed during our investigation and evaluation.

4.0 GEOLOGIC CONDITIONS

4.1 Regional Geologic Setting

The project site lies within the coastal plain region of Los Angeles County. This area is situated at the junction of the two major convergent fault systems. The first group includes the northwest-trending high angle strike slip faults of the San Andreas system projecting from the northern terminus of the Peninsular Ranges province. Faults in this group include the Palos Verdes, Newport-Inglewood, and Whittier-Elsinore fault zones. The second group includes the east-west trending low angle reverse or reverse-oblique faults bounding the south margin of the Traverse Ranges Province. Faults in this group include the Malibu-Santa Monica, Hollywood, Raymond and Sierra Madre fault zones. The seismic hazard for the coastal plain region is high.

Figure No. 3, *Regional Geologic Map*, has been prepared to show the location of the Bethune Middle School with respect to the regional geology of the area. The nearby Potrero Fault, part of the Newport-Inglewood Fault System and other active local and regional faults were included as active faults modeled for the probabilistic seismic hazard analysis.

4.2 Subsurface Profile of Project Site

The earth materials encountered during our investigation consist of existing fill soils placed during previous site grading operations and natural alluvial soils to a maximum depth explored of 20.5 feet bgs. The fill soils encountered consist primarily of silty sands. The alluvial soil deposits below the fill consist of silty sands and sands. Sampling blow-counts indicate loose to moderately dense conditions near surface, and generally become denser with depth.

4.3 Groundwater

Groundwater was not encountered during our subsurface exploration to the deepest depth drilled of 20.5 feet below ground surface. Based on review of Historically Highest





- DESCRIPTION OF MAP UNITS**
- QUATERNARY DEPOSITS**
- Qs Extensive marine and nonmarine sand deposits, generally near the coast or desert playas
 - Q Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated
 - Qls Selected large landslides
 - Qg Glacial silt and moraines. Found at high elevations mostly in the Sierra Nevada and Klamath Mountains
 - Qoa Older alluvium, lake, playa, and terrace deposits
 - Qpc Pleistocene and/or Pliocene sandstone, shale, and gravel deposits; mostly loosely consolidated
- QUATERNARY VOLCANIC ROCKS**
- Qrv Recent (Holocene) volcanic flow rocks; minor pyroclastic deposits
 - Qrvr Recent (Holocene) pyroclastic and volcanic mudflow deposits
 - Qv Quaternary volcanic flow rocks; minor pyroclastic deposits
 - Qvr Quaternary pyroclastic and volcanic mudflow deposits
- TERTIARY SEDIMENTARY ROCKS**
- Tc Undivided Tertiary nonmarine sandstone, shale, conglomerate, breccia, and ancient lake deposits
 - P Pliocene marine sandstone, siltstone, shale, and conglomerate; mostly moderately consolidated
 - M Miocene marine sandstone, shale, siltstone, conglomerate, and breccia; moderately to well consolidated
 - Mc Miocene nonmarine sandstone, shale, conglomerate, and fanglomerate; moderately to well consolidated
 - Oo Oligocene marine sandstone, shale, and conglomerate; mostly well consolidated
 - Ooc Oligocene nonmarine sandstone, shale, and conglomerate; mostly well consolidated
 - E Eocene marine shale, sandstone, conglomerate, and minor limestone; mostly well consolidated
 - Ec Eocene nonmarine sandstone, shale, and conglomerate; moderately to well consolidated
 - Ep Paleocene marine sandstone, shale, and conglomerate; mostly well consolidated

SYMBOL EXPLANATION

- Contact between geologic units - approximately located
- Fault traces - solid where well located, dashed where approximately located or inferred, dotted where concealed, and queried where continuation or existence is uncertain. Ball and bar on downthrown side (relative or apparent). Arrows indicate direction of lateral movement (relative or apparent)
- Thrust fault (barbs on upper plate)
- Regional strike and dip of stratified rocks
- Regional strike and dip of stratified rocks (overtuned)
- Anticlinal fold
- Synclinal fold
- Monoclinial fold



REGIONAL GEOLOGIC MAP

Groundwater Map, Plate No. 1.2, in the Seismic Hazard Zone report for the Inglewood 7.5-minute Quadrangle (1998), the historically highest groundwater level contours in the vicinity of the site are interpreted to be approximately 15 feet below ground surface.

The groundwater level beneath the site can vary depending upon the seasonal precipitation and groundwater basin activities including recharge, storage and pumping occurring in the general site vicinity. Zones of perched groundwater may be present within the near-surface deposits due to local conditions, storm water recharge or during rainy seasons.

4.4 Subsurface Variations

Based on results of the subsurface exploration and our experience, some variations in the continuity and nature of subsurface conditions within the project site should be anticipated. Because of the uncertainties involved in the nature and depositional characteristics of the earth material at the site, care should be exercised in interpolating or extrapolating subsurface conditions between or beyond the boring locations. If, during construction, subsurface conditions differ significantly from those presented in this report, this office should be notified immediately so that recommendations can be modified, if necessary.

A detailed description of the earth materials encountered during our field exploration is presented in Appendix A, *Field Exploration*. Figure No. 4, *Geologic Cross Section A-A'*, is provided to illustrate current site conditions by using exploratory borings from the current study drilled on March 11, 2023.

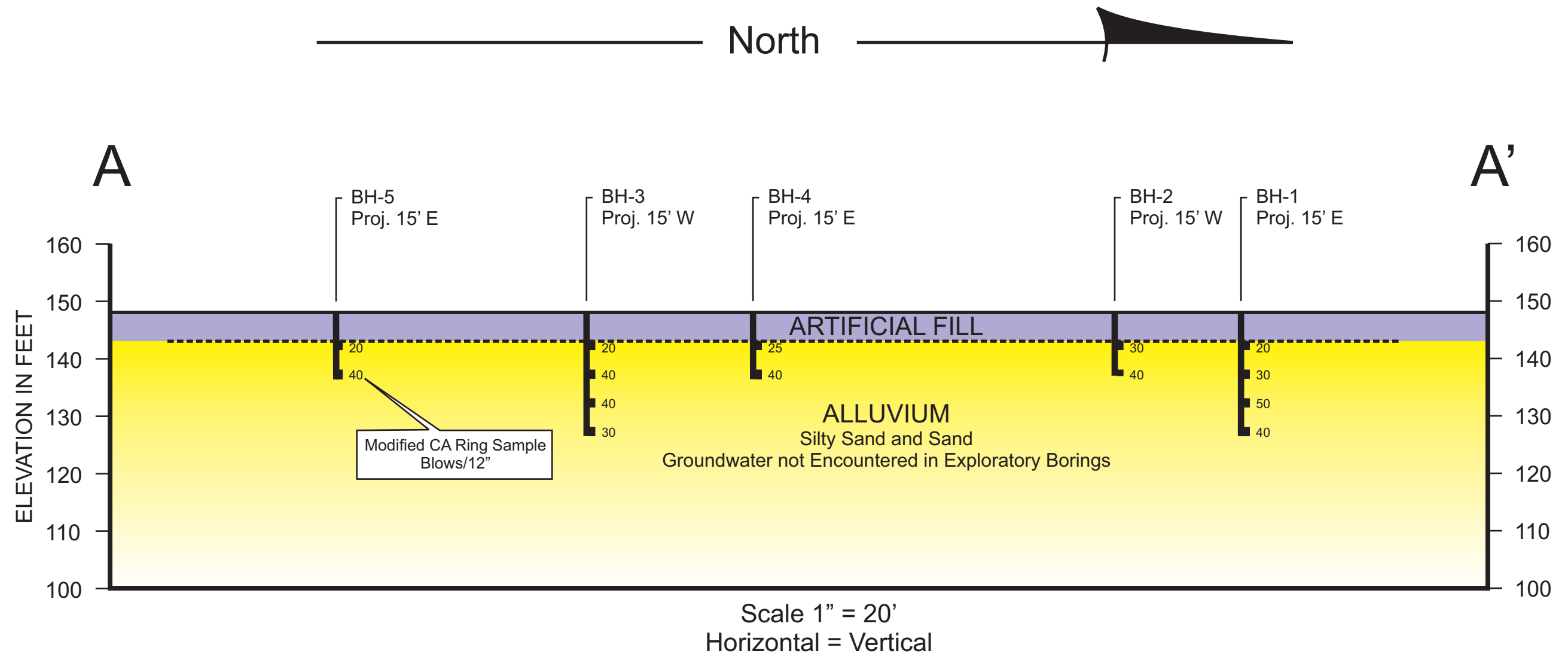
5.0 FAULTING AND SEISMIC HAZARDS

Geologic hazards are defined as geologically related conditions that may present a potential danger to life and property. Typical geologic hazards in Southern California include earthquake ground shaking, fault surface rupture, liquefaction and seismically induced settlement, lateral spreading, landslides, earthquake induced flooding, tsunamis and seiches, and volcanic eruption hazard. Results of a site-specific evaluation for each type of possible seismic hazards are discussed in the following sections.

5.1 Seismic Characteristics of Nearby Faults

The proposed project site is situated in a seismically active region. As is the case for most areas of Southern California, ground-shaking resulting from earthquakes associated with nearby and more distant faults may occur at the project site. During the life of the project, seismic activity associated with active faults can be expected to generate moderate to strong ground shaking at the site. Review of recent seismological and geophysical publications indicates that the seismic hazard for the project site is high.





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TITLE: **GEOLOGIC CROSS SECTION A - A'**
Bethune Middle School
155 West 69th Street, Los Angeles, California

FIGURE

4

SCALE:
As Shown

DATE:
April 2023

PROJECT NO.:
21-31-134-01

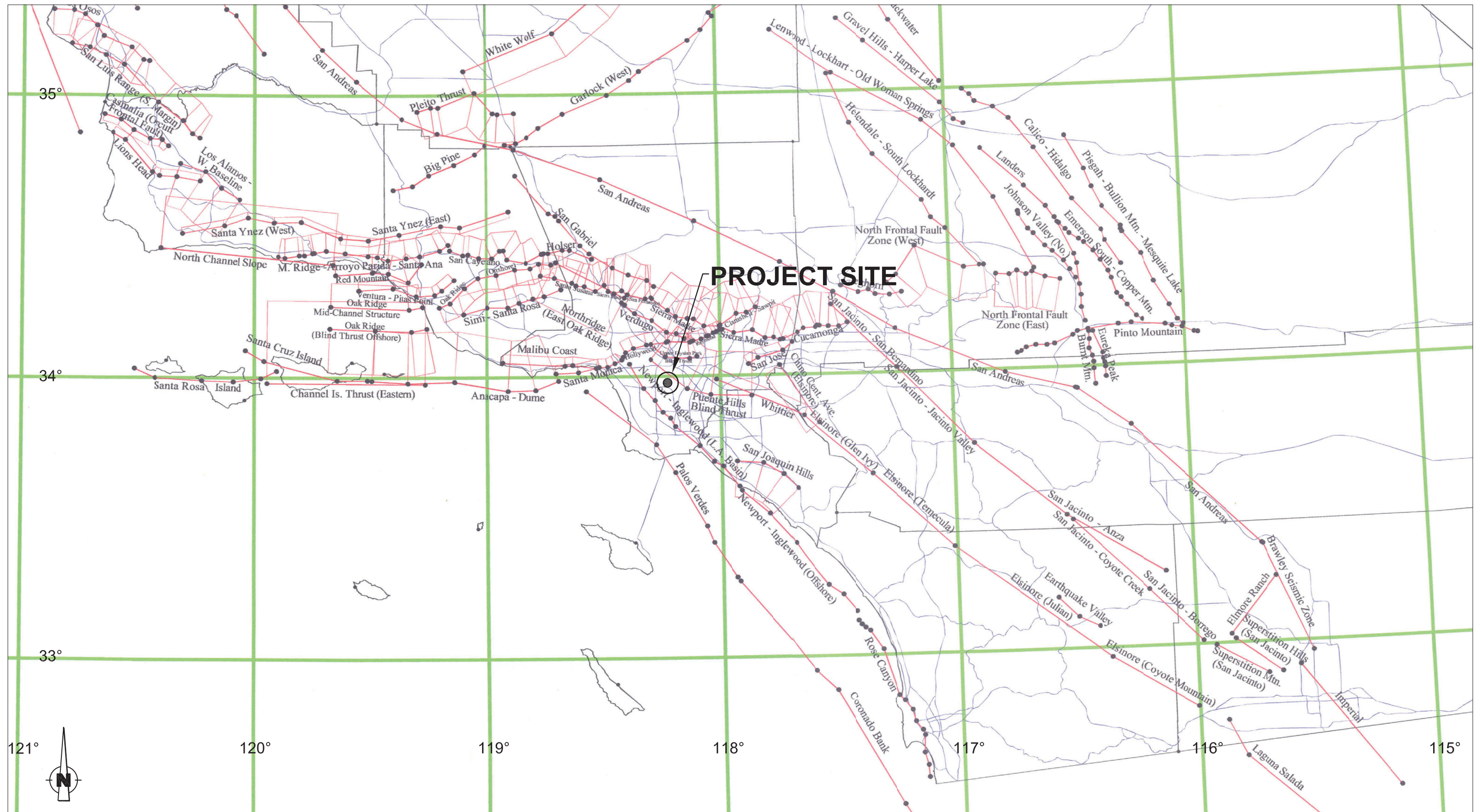
The project site is not located within a currently designated State of California Earthquake Fault Zone for surface fault rupture. No surface faults are known to project through or towards the site. The closest known faults to the project site with mapped surface traces are the Puente Hills (LA) (approximately 1.22 miles or 1.96 kilometers to the southwest) and the Newport Inglewood (approximately 3.36 miles or 5.4 kilometers to the north). The Elysian Park (Upper) Fault, Santa Monica Fault, and Hollywood Fault along with other regional faults were included as capable faults modeled for the probabilistic seismic hazard analysis for the site. The approximate locations of these local active faults with respect to the project site are shown on Figure No. 5, *Southern California Regional Fault Map*.

There are a number of regional fault systems, which could produce ground shaking at the site during a major earthquake. Table No. 1, *Summary of Regional Faults*, shows the location of the known most capable faults with respect to the site within 50 kilometers. The data presented below was calculated using the National Seismic Hazard Maps Database (USGS, 2008) and other published geologic data.

Table No. 1, Summary of Regional Faults

Fault Name and Section	Approximate * Distance to Site (kilometers)	Max. Moment Magnitude (M_{max})	Slip Rate (mm/yr)
Puente Hills (LA)	1.96	7.0	0.7
Newport Inglewood Connected alt 2	5.40	7.5	1.3
Newport-Inglewood, alt 1	5.89	7.2	1.0
Newport Inglewood Connected alt 1	5.89	7.5	1.3
Elysian Park (Upper)	10.59	6.7	1.3
Santa Monica Connected alt 2	13.73	7.4	2.4
Puente Hills (Santa Fe Springs)	14.90	6.7	0.7
Hollywood	15.04	6.7	1.0
Santa Monica Connected alt 1	16.15	7.3	2.6
Santa Monica, alt 1	16.15	6.6	1.0
Raymond	16.63	6.8	1.5
Palos Verdes Connected	19.77	7.7	3.0
Palos Verdes	19.77	7.3	3.0
Verdugo	20.09	6.9	0.5
Elsinore;W	21.08	7.0	2.5
Puente Hills (Coyote Hills)	23.41	6.9	0.7
Malibu Coast, alt 2	23.76	7.0	0.3
Malibu Coast, alt 1	23.76	6.7	0.3
Anacapa-Dume, alt 2	26.01	7.2	3.0
Sierra Madre	27.01	7.2	2.0
Sierra Madre Connected	27.01	7.3	2.0





REFERENCE: PORTION OF CGS 2002 CALIFORNIA FAULT MODEL
MODIFIED FOR USE WITH FRISKSP AND EQFAULT
BY THOMAS F. BLAKE, AUGUST 2004

—●— FAULT SOURCES

— POLYGONS INDICATE RUPTURE
PLANES AND DIP DIRECTION



Converse Consultants

SOUTHERN CALIFORNIA REGIONAL FAULT MAP

Courtyard ADA Improvements
Bethune Middle School
155 West 69th Street
Los Angeles, California 9003

Project No.
23-31-134-01
Figure No.
5
Date
APRIL 2023

Fault Name and Section	Approximate * Distance to Site (kilometers)	Max. Moment Magnitude (M_{max})	Slip Rate (mm/yr)
Sierra Madre (San Fernando)	33.13	6.7	2.0
Clamshell-Sawpit	33.75	6.7	0.5
San Jose	37.22	6.7	0.5
San Gabriel	37.69	7.3	1.0
Northridge	37.98	6.9	1.5
Anacapa-Dume, alt 1	38.81	7.2	3.0
Santa Susana, alt 1	42.90	6.9	5.0
San Joaquin Hills	44.59	7.1	0.5
Chino, alt 2	49.31	6.8	1.0
Chino, alt 1	49.33	6.7	1.0

* (Source: https://earthquake.usgs.gov/cfusion/hazfaults_2008_search/)

5.2 Surface Fault Rupture

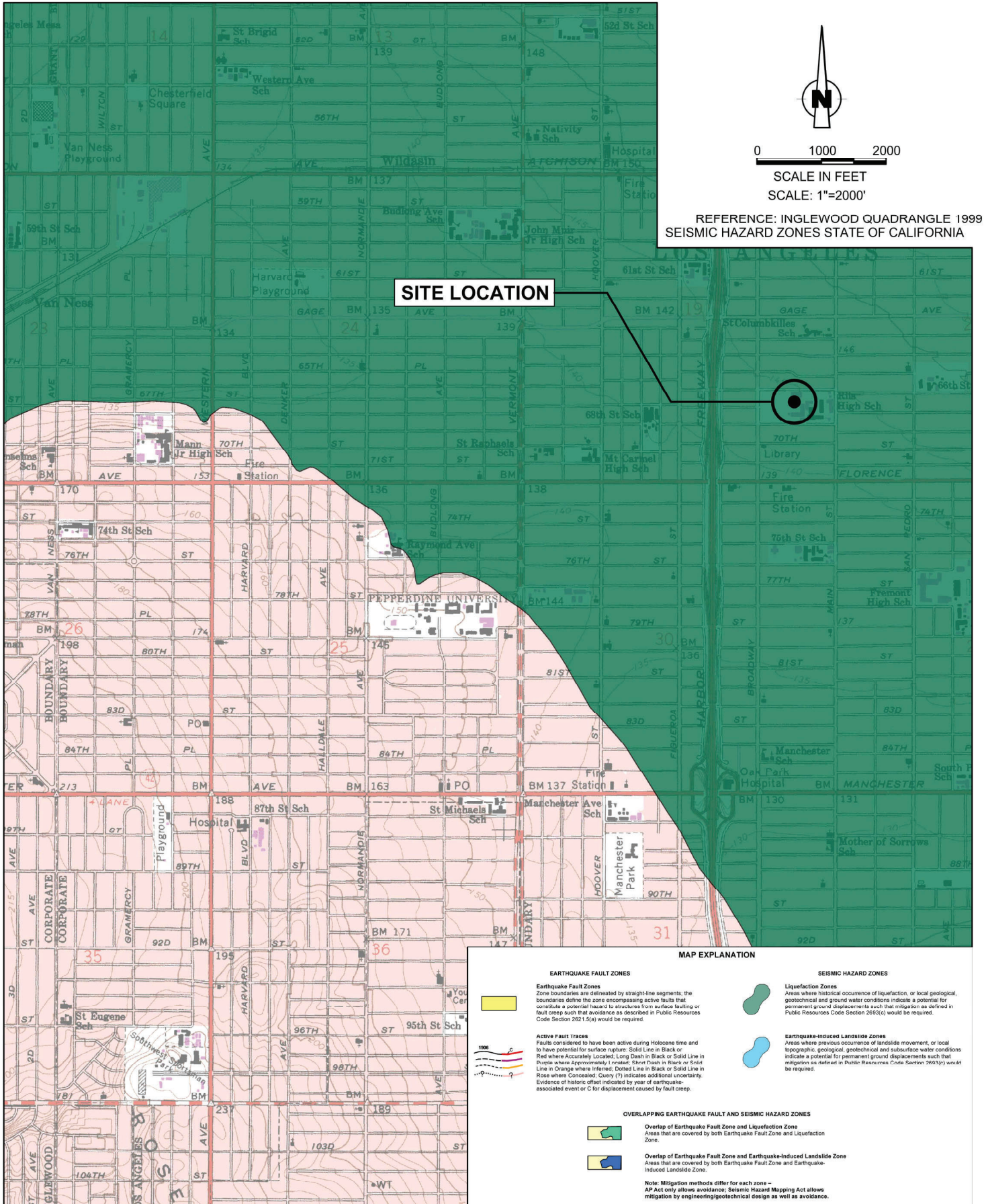
The project site is not located within a currently designated State of California Earthquake Fault Zone (formerly Alquist-Priolo Special Studies Zones) for surface fault rupture. The Alquist-Priolo Earthquake Fault Zoning Act requires the California Geological Survey to zone “active faults” within the State of California. An “active fault” has exhibited surface displacement with Holocene time (within the last 11,000 years) hence constituting a potential hazard to structures that may be located across it. Based on a review of existing geologic information, no known active faults project through or toward the site. The potential for surface rupture resulting from the movement of the nearby major faults is considered very low.

5.3 Liquefaction and Seismically-Induced Settlement

Liquefaction is the sudden decrease in strength of cohesionless soils due to dynamic or cyclic shaking. Saturated soils behave temporarily as a viscous fluid (liquefaction) and, consequently, lose their capacity to support the structures founded on them. The potential for liquefaction decreases with increasing clay and gravel content but increases as the ground acceleration and duration of shaking increase. Liquefaction potential has been found to be the greatest where the groundwater level and loose sands occur within 50 feet of the ground surface.

The site is located within a potential liquefaction zone per the State of California Seismic Hazard Zones Map for the Inglewood Quadrangle as shown in Figure No. 6, *Seismic Hazard Zones Map*.





5.4 Lateral Spreading

Seismically induced lateral spreading involves primarily lateral movement of earth materials due to ground shaking. It differs from slope failure in that complete ground failure involving large displacement does not occur due to the relatively smaller gradient of the initial ground surface. Lateral spreading is characterized by near-vertical cracks with predominantly horizontal movement of the soil mass involved. The topography at the project site and in the immediate vicinity of the site is relatively flat, with no significant nearby slopes or embankments. Under these circumstances, the potential for lateral spreading at the subject site is considered low.

5.5 Seismically-Induced Slope Instability

Seismically induced landslides and other slope failures are common occurrences during or soon after earthquakes. The project site is relatively flat. In the absence of significant ground slopes, the potential for seismically induced landslides to affect the proposed site is considered to be very low.

5.6 Earthquake-Induced Flooding

Review of the Flood Insurance Rate Map (FIRM), Map Number 06037C1613G, effective date December 21, 2018, from the Map Service Center (MSC) viewer, indicates that the site is designated as Zone "X", "Areas of minimal flood hazard".

The project site is located approximately 0.26 miles southeast of the Rowena Reservoir owned and operated by the Los Angeles Department of Water and Power. The reservoir is approximately 10 MG in size and was constructed of prestressed concrete in 2000.

The potential of earthquake induced flooding of the subject site is considered very low.

5.7 Tsunami and Seiches

Tsunamis are tidal waves generated by fault displacement or major ground movement. Based on the location of the site from the ocean, tsunamis do not pose a hazard. Seiches are large waves generated in enclosed bodies of water in response to ground shaking. The project site is located north of the Silver Lake Reservoir and southeast of the Rowena Reservoir as shown on Figure No. 1, *Site Location Map*. Based on site elevations and distances from the reservoirs, seiches pose a low hazard to the project site.

5.8 Volcanic Eruption Hazard

There are no known volcanoes near the site. According to Jennings (1994), the nearest potential hazards from future volcanic eruptions is the Amboy Crater-Lavic Lake area



located in the Mojave Desert more than 112 miles northeast of the site. Volcanic eruption hazards are not present.

6.0 SEISMIC ANALYSIS

6.1 CBC Seismic Design Parameters

General seismic parameters based on the 2019 California Building Code and ASCE 7-16 with Supplement 1 are calculated using the ATC hazard, *Seismic Design by Location* website application and the site coordinates (North latitude: 33.9782, West longitude: -118.2763 degrees). The seismic parameters are presented below.

Table No. 2, CBC Seismic Design Parameters

Seismic Parameter	Value
Site Class	D*
Mapped Short Period (0.2-sec) Spectral Response Acceleration, S_s	1.847 g
Mapped 1-second Spectral Response Acceleration, S_1	0.653 g
Site Coefficient, F_a	1.2
Site Coefficient, F_v	1.7*
MCE 0.2-sec Period Spectral Response Acceleration, S_{MS}	2.216 g
MCE 1-second Period Spectral Response Acceleration, S_{M1}	1.665 g**
Design Spectral Response Acceleration for Short Period, S_{DS}	1.478 g
Design Spectral Response Acceleration for 1-second Period, S_{D1}	1.110 g**
TL	8
PGA_M	0.948
Seismic Design Category	D

* Per ASCE7 Section 20.3.1, for structures that have fundamental periods of vibration equal to or less than 0.5 s, site response analysis is not required to determine spectral accelerations for liquefiable soils. Rather, a site class is permitted to be determined.

**Per ASCE 7-16 Supplement 3-Section 11.4.8, the S_{M1} and S_{D1} values listed in this table are increased by 50%.

The parameters presented in Table No. 2, *CBC Seismic Design Parameters* are presented for site class D, and they are only valid if requirements of ASCE 7-16 Section 20.3.1 and 11.4.8 are satisfied. Provided the structure has fundamental period of vibration less than 0.5 s, site-specific seismic parameters may be used for site class F.

6.2 Site-Specific Seismic Parameters

Site-specific acceleration parameters were evaluated in accordance with the seismic provisions in Section 21 of ASCE 7-16 guidelines with Supplement 3 (ASCE, 2016), which were adopted in the 2022 California Building Code. These parameters were determined for the site coordinates from the boring data using the online calculator developed by the



Utilization of Ground Motion Simulation (UGMS) committee of the Southern California Earthquake Center (SCEC). The recommended site-specific risk-targeted Maximum Considered Earthquake (MCE_R) and design response spectra are presented in Appendix F, *Seismic Hazard Analysis Results*. The following table summarizes the recommended 2022 CBC site-specific seismic design parameters calculated using the UGMS online tool.

Table No. 3, 2019 CBC Site-Specific Seismic Parameters

Seismic Parameter	Value
⁽¹⁾ MCE_R (5%, damped) Spectral response acceleration for short periods adjusted for site class, S_{MS}	2.367 g
⁽¹⁾ MCE_R (5% damped) spectral response acceleration at 1-second period adjusted for site class, S_{M1}	1.859 g
Design spectral response acceleration (5% damped) at short periods, S_{DS}	1.578 g
Design Spectral response acceleration (5% damped) at 1-second period, S_{D1}	1.240 g
Site-Modified Peak Ground Acceleration, MCE_G PGA	0.892 g

7.0 EARTHWORK RECOMMENDATIONS

7.1 General Evaluation

Based on our field exploration, laboratory testing, and analyses of subsurface conditions at the site, remedial grading will be required to prepare the sites for support of the proposed structures that are constructed with conventional shallow footings. To reduce differential settlement, variations in the soil type, degree of compaction, and thickness of the compacted fill, the thickness of compacted fill placed underneath the shallow footings should be kept uniform.

Site grading recommendations provided below are based on our experience with similar projects in the area and our evaluation of this investigation. Site preparation for the proposed development will require removal of existing structures, improvements, and other existing underground manmade structures and utilities.

The site soils can be excavated utilizing conventional heavy-duty earth-moving equipment. The excavated site soils, free of vegetation, organics and debris, may be placed as compacted fill in structural areas after proper processing. Rocks larger than 3.0 inches in the largest dimension should not be placed as fill.

On-site fine-grained soils and with an expansion index exceeding 20 should not be re-used for compaction within 2 feet below the proposed shallow foundations and slabs on grade. Soils containing organic materials should not be used as structural fill. The extent



of removal should be determined by the geotechnical representative based on soil observation during grading.

7.2 Over-Excavation

Prior to the start of construction, all loose soils, fill and soils disturbed during demolition should be removed to firm acceptable native materials or sedimentary bedrock. In order to provide uniform support for the ADA ramp structures on shallow foundations, the minimum depth of over-excavation should be 4 feet below the ground surface, or 2 feet below bottom of proposed shallow foundations or depth of undocumented fill, whichever is deeper. Deeper over-excavation will be needed if soft, yielding soils or earth materials are exposed on the excavation bottoms. Over-excavation should extend at least 4 feet laterally beyond the limits of footings or as limited by the existing structures and improvements to remain in place. Over excavation beneath slabs on grade, pavements and hardscape areas should have a minimum of 2 feet of engineered fill and extend at least 2 feet laterally. Excavation activities should not disturb existing utilities, buildings, sidewalks and remaining structures.

The excavations adjacent to existing structures can be done using shoring or the “A-B-C” slot cut method. The “A-B-C” slot cuts exposing native sandy soils may be excavated with maximum 8 feet wide and 8 feet in height sections to prevent the existing utility lines and/or site structures from becoming unstable.

7.3 Structural Preparation

All exposed subgrade soil surface should be observed by a geotechnical engineer or their representative prior to placement of fill, base materials, slabs, and/or foundation. The exposed subgrade should be scarified at least 6 inches, moisture conditioned as needed to near-optimum moisture content, mixed and compacted to 90 percent relative compaction. The upper 12 inches of subgrade below new pavement should be compacted to 95 percent relative compaction.

If loose, yielding soil conditions are encountered at the excavation bottom, the following options can be considered:

- a. Over-excavate until a firm bottom is reached.
- b. Over-excavate an additional 18 inches deep, and then place at least 18-inch-thick compacted base material (CAB or equivalent) to bridge the soft bottom. Base materials should be compacted to at least 95% relative compaction.
- c. Over-excavate an additional 18-inches deep, and then place a layer of geotextile (i.e., Mirafi HP570, or equivalent), then place 18-inch-thick compacted base material (CAB or equivalent) to bridge the soft bottom. Base should be compacted to at least 95% relative compaction. An additional layer of geotextile may be



needed on top of the compacted base materials depending on the actual site conditions.

7.4 Engineered Fill

Following observation of the excavation bottom, subgrade soil surfaces should be scarified to a depth of at least 6.0 inches. The scarified soil should be moisture-conditioned to within three percent (3%) of optimum moisture for granular soils and to approximate three percent (3%) above the optimum moisture for fine-grained soils. Scarified soils shall be compacted to a minimum ninety percent (90%) of the laboratory maximum dry density as determined by the ASTM Standard D1557 test method.

Any import fill should be tested and approved by Project Geotechnical Consultant. The import fill should have an expansion potential less than 20. The imported materials should be thoroughly mixed and moisture conditioned within three percent (3%) above the optimum moisture. All fill, if not specified otherwise elsewhere in this report, should be compacted to at least ninety percent (90%) of the laboratory dry density in accordance with the ASTM Standard D1557 test method.

Where the fill is not within the areas specified above or is not to support any structures, excavated site soils, free of deleterious materials and rock particles larger than 3.0 inches in the largest dimension, should be suitable for placement as compacted fill. The site materials should be thoroughly mixed and moisture conditioned to approximately three percent (3%) above the optimum moisture, and then compacted to at least ninety percent (90%) of relative compaction.

7.5 Excavatability

Based on our field exploration, the earth materials at the site may be excavated with conventional heavy-duty earth moving and trenching equipment. The onsite materials may contain demolition debris and gravel and/or cobbles. Earthwork should be performed with suitable equipment and methods for removal of debris from the engineered fill.

7.6 Expansive Soil

During construction, grading will mix and relocate the site soils, and additional fill soils may be added. The expansion potential of the finish-grade soils should be tested at the completion of grading. Shallow foundations should be designed to accommodate the anticipated soil expansion. Any proposed import fill should have an expansion index less than 20 and should be evaluated and approved by Converse prior to import to the site.



7.7 Trench Zone Backfill

The following specifications are recommended to provide a basis for quality control during the placement of trench backfill.

Trench excavations to receive backfill shall be free of trash, debris, grass, roots or other unsatisfactory materials at the time of backfill placement. Excavated on-site soils free of oversize particles, defined as larger than one (1) inch in maximum dimension in the upper 12 inches of subgrade soils and larger than three (3) inches in the largest dimension in the trench backfill below, and deleterious matter after proper processing may be used to backfill the trench zone. Imported trench backfill, if used, should be approved by the project soils consultant prior to delivery at the site. No more than 30 percent of the backfill volume should be larger than $\frac{3}{4}$ inch in the largest dimension.

Trench backfill shall be compacted to 90 percent of the laboratory maximum dry density as per ASTM Standard D2922 test method. At least the upper twelve (12) inches of trench underlying pavements should be compacted to at least 95 percent of the laboratory maximum dry density.

Trench backfill shall be compacted by mechanical methods, such as sheepsfoot, vibrating or pneumatic rollers, or mechanical tampers, to achieve the density specified herein. The backfill materials shall be brought to within three (3) percent of optimum moisture content and then placed in horizontal layers if the expansion index is less than or equal to 30. Should the expansion index be greater than 30, backfill materials shall be brought to approximately three (3) percent above optimum moisture content. The thickness of uncompacted layers should not exceed eight (8) inches. Each layer shall be evenly spread, moistened, or dried as necessary, and then tamped or rolled until the specified density has been achieved.

The contractor shall select the equipment and processes to be used to achieve the specified density without damage to adjacent ground and completed work. The field density of the compacted soil shall be measured by the ASTM Standard D1556 or ASTM Standard D2922 test methods or equivalent. Observation and field tests should be performed by geotechnical engineer or their representatives during construction to confirm that the required degree of compaction has been obtained. Where compaction is less than that specified, additional compactive effort shall be made with adjustment of the moisture content as necessary, until the specified compaction is obtained. It should be the responsibility of the contractor to maintain safe conditions during cut and/or fill operations. Trench backfill shall not be placed, spread, or rolled during unfavorable weather conditions. When the work is interrupted by heavy rain, fill operations shall not be resumed until field tests by the project's geotechnical consultant indicate that the moisture content and density of the fill are as previously specified.



Imported soils, if any, used as compacted trench backfill should be predominantly granular and meet the following criteria:

- Expansion Index less than 20
- Free of all deleterious materials
- Contain no particles larger than 3 inches in the largest dimension
- Contain less than 30 percent by weight retained on ¾-inch sieve
- Contain at least 15 percent fines (passing #200 sieve)
- Have a Plasticity Index of 10 or less

Any import fill should be tested and approved by the geotechnical representative prior to delivery to the site.

7.8 Shrinkage and Subsidence

Soil shrinkage and/or bulking as a result of remedial grading depends on several factors including the depth of over-excavation, and the grading method and equipment utilized, and average relative compaction. For preliminary estimation, bulking and shrinkage factors for various units of earth material at the site may be taken as presented below:

- The approximate shrinkage factor for the undocumented fill soils is estimated to range from ten (10) to fifteen (15) percent.
- The approximate shrinkage factor for the native alluvial soils is estimated to range from five (5) to ten (10) percent.
- For estimation purposes, ground subsidence may be taken as 0.1 feet as a result of remedial grading.

Although these values are only approximate, they represent our best estimates of the factors to be used to calculate lost volume that may occur during grading. If more accurate shrinkage and subsidence factors are needed, it is recommended that field-testing using the actual equipment and grading techniques be conducted.

The various design recommendations provided in this section are based on the assumptions that in preparing the site, the earthwork and site grading recommendations provided in this report will be followed.

8.0 DESIGN RECOMMENDATIONS

Based on the results of our background review, subsurface exploration, laboratory testing, geotechnical analyses, and understanding of the planned site development, it is our opinion that the proposed project is feasible from a geotechnical standpoint, provided the following conclusions and recommendations are incorporated into the project plans,



specifications, and are followed during site construction. The proposed structures and site improvements may be supported by shallow continuous or isolated square footings.

8.1 Shallow Foundations

8.1.1 Vertical Capacity

The proposed minor structures, such as trash enclosures and storage buildings, can be supported by conventional shallow footings. We recommend continuous and square footings be founded at least 18 inches below lowest adjacent final grade entirely into compacted fill or into native soil. A minimum footing width of 24 inches is recommended for square footings and 18 inches for continuous footings. The allowable bearing value for footings with above minimum sizes founded on compacted fill and competent native soils may be designed for a net bearing pressure of 2,000 pounds per square foot (psf) for dead-plus-live-loads. The net allowable bearing pressure can be increased by 250 psf for each additional foot of excavation depth and by 250 psf for each additional foot of excavation width up to a maximum value of 3,000 psf.

The net allowable bearing values indicated above are for the dead loads and frequently applied live loads and are obtained by applying a factor of safety of 3.0 to the net ultimate bearing capacity.

8.1.2 Lateral Capacity

Resistance to lateral loads can be provided by friction acting at the base of the foundation and by passive earth pressure. A coefficient of friction of 0.3 may be assumed with normal dead load forces. An allowable passive earth pressure of 200 psf per foot of depth up to a maximum of 1,500 psf may be used for footings poured against properly compacted fill. The values of coefficient of friction and allowable passive earth pressure include a factor of safety of 1.5.

8.1.3 Static Settlement

The static settlement of structures supported on continuous and/or spread footings founded on compacted fill and native soil will depend on the actual footing dimensions and the imposed vertical loads. Based on the maximum allowable net bearing pressures presented above, static settlement is anticipated to be less than 1.0 inch. Differential settlement is expected to be up to one-half of the total settlement over a 30-foot span.

8.1.4 Dynamic Increases

Bearing values indicated above are for total dead load and frequently applied live loads. The above vertical bearing may be increased by 33% for short durations of loading which



will include the effect of wind or seismic forces. The allowable passive pressure may be increased by 33% for lateral loading due to wind or seismic forces.

8.2 Cast-In-Drilled-Hole Pile Foundations for Non-building Structures

The planned non-building structures (e.g., lighting for parking lot, walkway, and court, fence walls, signs, etc.) may be supported on a Cast-In-Drilled-Hole (CIDH) pile foundation provided the following recommendations are incorporated into design and construction.

8.2.1 Vertical Capacity

CIDH piles should be at least 18-inches in diameter and can be designed for an allowable skin friction of 150 psf against the perimeter of pile. The diameter and length of CIDH pile shall be determined by the structural engineer based on design loads. The uplift capacities can be taken as one-half of compressive capacities for pile design.

8.2.2 Lateral Capacity

Resistance to lateral loads can be provided by friction acting at the base of the foundation and by passive earth pressure. A coefficient of friction of 0.30 may be assumed with normal dead load forces. An allowable passive earth pressure of 200 psf per foot of depth up to a maximum of 1,500 psf may be used for foundations poured against compacted fill. The values of coefficient of friction and allowable passive earth pressure include a factor of safety of 1.5.

For ground surface restrained by concrete slab, the passive resistance may be calculated from the ground surface. For unrestrained ground condition, the passive resistance of the upper one (1) foot of earth material should be neglected in design.

8.2.3 Settlement

Based on the maximum allowable net vertical capacity presented above, static settlement is anticipated to be less than 0.5 inch.

8.3 Slabs-on-Grade

Slabs-on-grade should have a minimum thickness of five (5) inches nominal for support of normal ground-floor live loads. Minimum reinforcement for slabs-on-grade should be No. 4 reinforcing bars, spaced at 18 inches on-center each way. The thickness and reinforcement of more heavily loaded slabs will be dependent upon the anticipated loads and should be designed by a structural engineer. A static modulus of subgrade reaction

equal to 125 pounds per square inch per inch may be used in structural design of concrete slabs-on-grade.

It is critical that the exposed subgrade soils should not be allowed to desiccate prior to the slab pour. Care should be taken during concrete placement to avoid slab curling. Slabs should be designed and constructed as promulgated by the ACI and Portland Cement Association (PCA). Prior to the slab pour, all utility trenches should be properly backfilled and compacted.

In areas where a moisture-sensitive floor covering (such as vinyl tile or carpet) is used, a minimum 10-mil-thick moisture retarder/barrier between the bottom of slab and subgrade that meets the performance criteria of ASTM E1745 Class A material. Retarder/barrier sheets should be overlapped a minimum of six inches and should be taped or otherwise sealed per the product specifications.

8.4 Modulus of Subgrade Reaction

For the subject project, design of the structures supported on compacted fill subgrade prepared in accordance with the recommendations provided in this report may be based on a soil modulus of subgrade reaction of (k_s) of 125 pounds per square inch per inch.

8.5 Lateral Earth Pressure

Although not anticipated, the following provisional design values may be used for any utility vaults and/or walls below grade that are less than 8 feet high.

The earth pressure behind any buried wall depends primarily on the allowable wall movement, type of soil behind the wall, backfill slopes, wall inclination, surcharges, and any hydrostatic pressure. The following earth pressures are recommended for vertical walls with no hydrostatic pressure.

Table No. 4, Lateral Earth Pressures for Retaining Wall Design

Backfill Slope (H:V)	Cantilever Wall Equivalent Fluid Pressure (pcf)	Restrained Wall (psf)
Level	35 (triangular pressure distribution)	50 (triangular pressure distribution)

The recommended lateral pressures assume that the walls are fully back-drained to prevent build-up of hydrostatic pressure. Adequate drainage could be provided by means of permeable drainage materials wrapped in filter fabric installed behind the walls. The drainage system should consist of perforated pipe surrounded by a minimum one (1) square feet per lineal feet of free draining, uniformly graded, 3/4-inch washed, crushed aggregate, and wrapped in filter fabric such as Mirafi 140N or equivalent. The filter fabric should overlap approximately 12 inches or more at the joints. The subdrain pipe should



consist of perforated, four-inch diameter, rigid ABS (SDR-35) or Schedule 40 PVC Pipe, or equivalent, with perforations placed down. Alternatively, a prefabricated drainage composite system such as the Miradrain G100N or equivalent can be used. The subdrain should be connected to solid pipe outlets, with a maximum outlet spacing of 100 feet. Waterproofing membranes should be added to the subterranean wall levels for moisture sensitive areas to mitigate moisture migration through the walls.

In addition, walls with inclined backfill should be designed for an additional equivalent fluid pressure of one (1) pound per cubic foot for every two (2) degrees of slope inclination. Walls subjected to surcharge loads located within a distance equal to the height of the wall should be designed for an additional uniform lateral pressure equal to one-third or one-half the anticipated surcharge load for unrestrained or restrained walls, respectively. These values are applicable for backfill placed between the wall stem and an imaginary plane rising 45 degrees from below the edge (heel) of the wall footings.

Retaining walls taller than 6 feet should be designed to resist additional earth pressure caused by seismic ground shaking based on CBC latest edition. A seismic earth pressure of 24H (psf), based on an inverted triangular distribution, can be used for design of wall.

8.6 Soil Corrosivity Evaluation

Based on our review of soil corrosivity test results (see Appendix B), the soluble sulfate concentration, pH, and chloride content are not in the corrosive range to concrete in accordance with the Caltrans Corrosive Guidelines (2012). The minimum saturated resistivity is in the mildly corrosive range to ferrous metal. Mitigation measures to protect concrete in contact with the soils are not anticipated.

A corrosion engineer may be consulted for appropriate mitigation procedures and construction design, if needed. General considerations for corrosion mitigation measures may include the following:

- Steel and wire concrete reinforcement should have at least three inches of concrete cover where cast against soil, unformed.
- Below-grade ferrous metals should be given a high-quality protective coating, such as 18-mil plastic tape, extruded polyethylene, coal-tar enamel, or Portland cement mortar.
- Below-grade metals should be electrically insulated (isolated) from above-grade metals by means of dielectric fittings in ferrous utilities and/or exposed metal structures breaking grade.



8.7 Site Drainage

Adequate positive drainage should be provided away from the structures to prevent ponding and to reduce percolation of water into structural backfill. We recommend that the landscape area immediately adjacent to the foundation shall be designed sloped away from the building with a minimum 5% slope gradient for at least 10 feet measured perpendicular to the face of the wall. Impervious surfaces within 10 feet of the building foundation shall be sloped a minimum of 2% away from the building per 2019 CBC.

Planters and landscaped areas adjacent to the building perimeter should be designed to minimize water infiltration into the subgrade soils. Gutters and downspouts should be installed on the roof, and runoff should be directed to the storm drain through non-erosive devices. Lower-level walkways and open patio areas may require special drainage provisions and sump pumps to provide suitable drainage.

8.8 Flexible Pavement

The flexible pavement structural section design recommendations were performed in accordance with the method contained in the *CALTRANS Highway Design Manual*, Chapter 630, without the factor of safety. No specific traffic study was performed to determine the Traffic Index (TI) for the proposed project; therefore, a wide range of TI values were evaluated.

Due to various earth materials encountered at the site, flexible pavement structural section recommendations are prepared for both subgrade soils. We recommend that the project structural engineer consider the traffic loading conditions at various locations and select the appropriate pavement sections from the following table:

Table No. 5, Flexible Pavement Structural Sections

Design R-value	Design TI	Asphalt Concrete (AC) Over Aggregate Base (AB) Structural Sections		Full AC Structural Section
		AC (inches)	AB (inches)	AC (inches)
51	4	3.0	3.0	3.0
	5	3.0	3.0	4.0
	6	4.0	3.0	5.0
	7	4.0	4.5	6.5
	8	4.0	7.0	7.5
	9	5.0	7.5	8.5
	10	6.0	8.0	9.5

Base material shall conform to requirements for Aggregate Base (AB) or equivalent and should be placed in accordance with the requirements of the Standard Specifications for Public Works Construction (SSPWC, latest Edition). Asphaltic materials should conform



to Section 203-1, "Paving Asphalt," of the Standard Specifications for Public Works Construction (SSPWC, latest Edition) and should be placed in accordance with Section 302-5, "Asphalt Concrete Pavement," of the SSPWC, 2012 edition.

Positive drainage should be provided away from all pavement areas to prevent seepage of surface and/or subsurface water into the pavement base and/or subgrade.

8.9 Rigid Pavement

Rigid pavement design recommendations were provided in accordance with the Portland Cement Association's (PCA) Southwest Region Publication P-14, Portland Cement Concrete Pavement (PCCP) for Light, Medium and Heavy Traffic Rigid Pavement. We recommend that the project structural engineer consider the loading conditions at various locations and select the appropriate pavement sections from the following table:

Table No. 6, Rigid Pavement Structural Sections

Design R-Value	Design Traffic Index (TI)	PCCP Pavement Section (inches)
51	5.0	6.0
	6.0	6.5
	7.0	7.0
	8.0	7.5

The above pavement section is based on a minimum 28-day Modulus of Rupture (M-R) of 550 psi and a compressive strength of 3,750 psi. The third point method of testing beams should be used to evaluate modulus of rupture. The concrete mix design should contain a minimum cement content of 5.5 sacks per cubic yard. Recommended maximum and minimum values of slump for pavement concrete are 3.0 inches to 1.0 inch, respectively.

Transverse contraction joints should not be spaced more than 10 feet and should be cut to a depth of 1/4 the thickness of the slab. Longitudinal joints should not be spaced more than 12 feet apart. A longitudinal joint is not necessary in the pavement adjacent to the curb and gutter section.

Prior to placement of concrete, at least the upper 12.0 inches of subgrade soils below rigid pavement sections should be compacted to at least ninety-five percent (95%) relative compaction as defined by the ASTM D 1557 standard test method.

Positive drainage should be provided away from all pavement areas to prevent seepage of surface and/or subsurface water into pavement base and/or subgrade.



9.0 CONSTRUCTION RECOMMENDATIONS

9.1 General

Site soils should be excavatable using conventional heavy-duty excavating equipment. Temporary sloped excavation is feasible if performed in accordance with the slope ratios provided in Section 10.2, *Temporary Excavations*. Existing utilities should be accurately located and either protected or removed as required. For steeper temporary construction slopes or deeper excavations, shoring should be provided by the contractor as necessary, to protect the workers in the excavation.

9.2 Temporary Excavations

Based on the materials encountered in the exploratory borings, sloped temporary excavations may be constructed according to the slope ratios presented in Table No. 7, *Slope Ratios for Temporary Excavation*. Any loose utility trench backfill or other fill encountered in excavations will be less stable than the native soils. Temporary cuts encountering loose fill or loose dry sand should be constructed at a flatter gradient than presented in the following table:

Table No. 7, Slope Ratios for Temporary Excavation

Maximum Depth of Cut (feet)	Maximum Slope Ratio* (horizontal: vertical)
0 – 4	Vertical
4 – 8	1: 1
8+	1.5: 1

*Slope ratio assumed to be uniform from top to toe of slope.

Surfaces exposed in slope excavations should be kept moist but not saturated to minimize raveling and sloughing during construction. Adequate provisions should be made to protect the slopes from erosion during periods of rainfall. Surcharge loads, including construction equipment, should not be placed within five (5) feet of the unsupported excavation edge. The above maximum slopes are based on a maximum height of six (6) feet of stockpiled soils placed at least five (5) feet from the excavation edge.

All applicable requirements of the California Construction and General Industry Safety Orders, the Occupational Safety and Health Act of 1987 and current amendments, and the Construction Safety Act should be met. The soils exposed in cuts should be observed during excavation by the project's geotechnical consultant. If potentially unstable soil conditions are encountered, modifications of slope ratios for temporary cuts may be required.



If the excavation occurs near existing structures, special construction considerations would be required during excavation to protect these existing structures during construction. The proposed excavation should not cause loss of bearing and/or lateral supports of the existing structures.

9.3 Slot Cut Recommendations

Temporary excavations during possible improvements should not extend below a 1:1 horizontal:vertical (H:V) plane extending beyond and down from the bottom of the existing utility lines or structures. The remedial grading excavations should not cause loss of bearing and/or lateral support for adjacent utilities or structures.

If remedial grading excavations extend below a 1:1 horizontal:vertical (H:V) plane extending beyond and down from the bottom of adjacent off-site utility lines or structure foundations, shoring or slot cutting shall be employed. "A-B-C" slot cuts exposing native sandy soils may be excavated with maximum 8 feet wide and 8 feet depth sections to prevent the existing utility lines or off-site structures from becoming unstable. Backfill should be accomplished in the shortest period of time possible and in alternating sections.

The ABC slot cutting method for retaining walls could be a possible option as an alternative to shoring for excavation less than 8 feet or with cohesive soils. In general, for structures it is not recommended for slot cutting if the height of excavation exceeds more than 8 feet or into sandy soils and with surcharging load.

9.4 Geotechnical Services During Construction

This report has been prepared to aid in the foundation plans and specifications, and to assist the architect, civil and structural engineers in the design of the proposed structures. It is recommended that this office be provided an opportunity to review final design drawings and specifications to verify that the recommendations of this report have been properly implemented.

Footing excavations should be observed by geotechnical engineer or their representative prior to placement of steel and concrete so that footings are founded on satisfactory materials and excavations are free of loose and disturbed materials. Trench backfill should be placed and compacted with observation and field density testing provided by this office.

During construction, the geotechnical engineer and/or their authorized representatives should be present at the site to provide a source of advice to the client regarding the geotechnical aspects of the project and to observe and test the earthwork performed. Their presence should not be construed as an acceptance of responsibility for the performance of the completed work, since it is the sole responsibility of the contractor



performing the work to ensure that it complies with all applicable plans, specifications, ordinances, etc. This firm does not practice or consult in the field of safety engineering. We do not direct the contractor's operations and cannot be responsible for other than our own personnel on the site; therefore, the safety of others is the responsibility of the contractor. The contractor should notify the Owner if he considers any recommended actions presented herein to be unsafe.

10.0 CLOSURE

The findings and recommendations of this report were prepared in accordance with generally accepted professional engineering and engineering geologic principles and practice. We make no other warranty, either expressed or implied. Our conclusions and recommendations are based on the results of the field and laboratory investigations, combined with an interpolation and extrapolation of soil conditions between and beyond boring locations. If conditions encountered during construction appear to be different from those shown by the borings, this office should be notified.

Design recommendations given in this report are based on the assumption that the earthwork and site grading recommendations contained in this report are implemented. Additional consultation may be prudent to interpret Converse's findings for contractors, or to possibly refine these recommendations based upon the review of the final site grading and actual site conditions encountered during construction. If the scope of the project changes, if project completion is to be delayed, or if the report is to be used for another purpose, this office should be consulted.

11.0 REFERENCES

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Appendix A

Field Exploration



APPENDIX A: FIELD EXPLORATION

Field exploration included a site reconnaissance and subsurface exploration program. During the site reconnaissance, the surface conditions were noted, and the approximate locations of the borings were determined. The exploratory borings were approximately located using existing boundary and other features as a guide and should be considered accurate only to the degree implied by the method used. The various field study methods performed are discussed below.

Exploratory Borings

A total of five (5) exploratory borings (BH-1 through BH-5) were advanced within the project sites on March 16 and 17, 2023. Borings were advanced using a hand auger with a 4-inch diameter to depths ranging from 10.5 feet to 20.5 feet below the existing ground surface (bgs). Each boring was visually logged by a Converse engineer and sampled at regular intervals and at changes in subsurface soils. Detailed descriptions of the field exploration and sampling program are presented in Appendix A, *Field Exploration*.

California Modified Sampler ring samples and bulk soil samples were obtained for laboratory testing. Borings were backfilled with soil cuttings, tamped and capped to match surface conditions.

It should be noted that the exact depths at which material changes occur cannot always be established accurately. Changes in material conditions that occur between driven samples are indicated in the logs at the top of the next drive sample. A key to soil symbols and terms is presented as Drawing Nos. A-1a to A-1b, *Unified Soil Classification and Key to Boring Log Symbols*. The log of the exploratory boring is presented in Drawing Nos. A-2 through A-6, *Log of Borings*.



SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

BORING LOG SYMBOLS

DRILLING METHOD SYMBOLS			
	Auger Drilling		Mud Rotary Drilling
	Dynamic Cone or Hand Driven		Diamond Core

FIELD AND LABORATORY TESTS	
C	Consolidation (ASTM D 2435)
CL	Collapse Potential (ASTM D 4546)
CP	Compaction Curve (ASTM D 1557)
CR	Corrosion, Sulfates, Chlorides (CTM 643-99; 417; 422)
CU	Consolidated Undrained Triaxial (ASTM D 4767)
DS	Direct Shear (ASTM D 3080)
EI	Expansion Index (ASTM D 4829)
M	Moisture Content (ASTM D 2216)
OC	Organic Content (ASTM D 2974)
P	Permeability (ASTM D 2434)
PA	Particle Size Analysis (ASTM D 6913 [2002])
PI	Liquid Limit, Plastic Limit, Plasticity Index (ASTM D 4318)
PL	Point Load Index (ASTM D 5731)
PM	Pressure Meter
PP	Pocket Penetrometer
R	R-Value (CTM 301)
SE	Sand Equivalent (ASTM D 2419)
SG	Specific Gravity (ASTM D 854)
SW	Swell Potential (ASTM D 4546)
TV	Pocket Torvane
UC	Unconfined Compression - Soil (ASTM D 2166)
	Unconfined Compression - Rock (ASTM D 7012)
UU	Unconsolidated Undrained Triaxial (ASTM D 2850)
UW	Unit Weight (ASTM D 2937)

SAMPLE TYPE

	STANDARD PENETRATION TEST Split barrel sampler in accordance with ASTM D-1586-84 Standard Test Method
	DRIVE SAMPLE 2.42" I.D. sampler (CMS).
	DRIVE SAMPLE No recovery
	BULK SAMPLE
	GROUNDWATER WHILE DRILLING
	GROUNDWATER AFTER DRILLING

SOIL CLASSIFICATION AND KEY TO BORING LOG SYMBOLS



Converse Consultants

Project ID: 23-31-134-01 GPJ; Template: KEY

Project Name: Courtyard ADA Improvements -Bethune Middle School

Project Location: 155 West 69th Street, Los Angeles, CA 9003

For: Los Angeles Unified School District

Project No.

23-31-134-01

Drawing No.

A-1a

CONSISTENCY OF COHESIVE SOILS

Descriptor	Unconfined Compressive Strength (tsf)	SPT Blow Counts	Pocket Penetrometer (tsf)	CA Sampler	Torvane (tsf)	Field Approximation
Very Soft	<0.25	< 2	<0.25	<3	<0.12	Easily penetrated several inches by fist
Soft	0.25 - 0.50	2 - 4	0.25 - 0.50	3 - 6	0.12 - 0.25	Easily penetrated several inches by thumb
Medium Stiff	0.50 - 1.0	5 - 8	0.50 - 1.0	7 - 12	0.25 - 0.50	Can be penetrated several inches by thumb with moderate effort
Stiff	1.0 - 2.0	9 - 15	1.0 - 2.0	13 - 25	0.50 - 1.0	Readily indented by thumb but penetrated only with great effort
Very Stiff	2.0 - 4.0	16 - 30	2.0 - 4.0	26 - 50	1.0 - 2.0	Readily indented by thumbnail
Hard	>4.0	>30	>4.0	>50	>2.0	Indented by thumbnail with difficulty

APPARENT DENSITY OF COHESIONLESS SOILS

Descriptor	SPT N ₆₀ Value (blows / foot)	CA Sampler
Very Loose	<4	<5
Loose	4 - 10	5 - 12
Medium Dense	11 - 30	13 - 35
Dense	31 - 50	36 - 60
Very Dense	>50	>60

MOISTURE

Descriptor	Criteria
Dry	Absence of moisture, dusty, dry to the touch
Moist	Damp but no visible water
Wet	Visible free water, usually soil is below water table

PERCENT OF PROPORTION OF SOILS

Descriptor	Criteria
Trace (fine)/ Scattered (coarse)	Particles are present but estimated to be less than 5%
Few	5 to 10%
Little	15 to 25%
Some	30 to 45%
Mostly	50 to 100%

SOIL PARTICLE SIZE

Descriptor		Size
Boulder		> 12 inches
Cobble		3 to 12 inches
Gravel	Coarse	3/4 inch to 3 inches
	Fine	No. 4 Sieve to 3/4 inch
Sand	Coarse	No. 10 Sieve to No. 4 Sieve
	Medium	No. 40 Sieve to No. 10 Sieve
	Fine	No. 200 Sieve to No. No. 40 Sieve
Silt and Clay		Passing No. 200 Sieve

PLASTICITY OF FINE-GRAINED SOILS

Descriptor	Criteria
Nonplastic	A 1/8-inch thread cannot be rolled at any water content.
Low	The thread can barely be rolled, and the lump cannot be formed when drier than the plastic limit.
Medium	The thread is easy to roll, and not much time is required to reach the plastic limit; it cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.
High	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.

CEMENTATION/ Induration

Descriptor	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

NOTE: This legend sheet provides descriptions and associated criteria for required soil description components only. Refer to Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010), Section 2, for tables of additional soil description components and discussion of soil description and identification.

SOIL CLASSIFICATION AND KEY TO BORING LOG SYMBOLS



Converse Consultants

Project Name: Courtyard ADA Improvements -Bethune Middle School

Project No.

Drawing No.
A-1b

Project Location: 155 West 69th Street, Los Angeles, CA 9003

23-31-134-01

For: Los Angeles Unified School District

Log of Boring No. BH-01

Dates Drilled: 3/16/2023 Logged by: Musfiquir Ali Checked By: Babak Abbasi
 Equipment: 4" HAND AUGER Driving Weight and Drop: 45 lb 2 ft
 Ground Surface Elevation (ft): 141 Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS / 6"	MOISTURE (%)	DRY UNIT WT. (pcf)	LAB TESTS
			DRIVE	BULK				
		SURFACE, GRASS, PATCHY, DARK SOIL						PA (c=55.0%)
5		FILL (Af): SANDY SILT (ML): low plasticity, contains organic material, brown.						
		ALLUVIUM: SILTY SAND (SM): fine-grained, moist to wet, brown.			20	23	91	
10		SAND (SP): fine-grained, moist to wet, older alluvium, light brown.			30	8	92.8	
15		SILTY SAND (SM): fine-grained, trace clay, brown.			50	20	102.4	
20		SAND (SP): fine-grained, gray.			40	13	101.8	
		End of boring at 20.5 feet below ground surface. No ground water encountered. Borehole was backfilled with soil cuttings on 3/16/2023.						



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Project Name
 Courtyard ADA Improvements
 Bethune Middle School
 155 West 69th Street
 Los Angeles, California 90003

Project No. Drawing No.
 23-31-134-01 A-2

Log of Boring No. BH-02

Dates Drilled: 3/16/2023 Logged by: Musfiquir Ali Checked By: Babak Abbasi

Equipment: 4" HAND AUGER Driving Weight and Drop: 45 lb 2 ft

Ground Surface Elevation (ft): 141 Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS / 6"	MOISTURE (%)	DRY UNIT WT. (pcf)	LAB TESTS
			DRIVE	BULK				
		SURFACE, GRASS, PATCHY, DARK SOIL FILL (Af): SANDY SILT (ML): low plasticity, contains organic materials, brown.						CP
5		ALLUVIUM: SILTY SAND (SM): fine-grained, some silt, darker brown.			30	16	93.3	C
10		SAND (SP): fine-grained, brown. End of boring at 10.5 feet below ground surface. No ground water encountered. Borehole was backfilled with soil cuttings on 3/16/2023.			40	9	95.5	



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Project Name
 Courtyard ADA Improvements
 Bethune Middle School
 155 West 69th Street
 Los Angeles, California 90003

Project No. Drawing No.
 23-31-134-01 A-3

Log of Boring No. BH-03

Dates Drilled: 3/17/2023 Logged by: Musfiquir Ali Checked By: Babak Abbasi

Equipment: 4" HAND AUGER Driving Weight and Drop: 45 lb 2 ft

Ground Surface Elevation (ft): 141 Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS / 6"	MOISTURE (%)	DRY UNIT WT. (pcf)	LAB TESTS
			DRIVE	BULK				
		SURFACE, GRASS, PATCHY, DARK SOIL						
5		FILL (Af): SANDY SILT (ML): low plasticity, contains organic material, moist to wet, brown.						
		ALLUVIUM: SILTY SAND (SM): fine-grained, some silt, darker brown.			20	22	94.5	WA (fc=42.8%), DS
10		SAND (SP): fine-grained, poorly graded, light gray.			40	10	96.2	
15		SILTY SAND (SM): fine-grained, some silt, brown.			40	16	97.5	WA (fc=29.5)
20					30	15	101.1	
		End of boring at 20.5 feet below ground surface. No ground water encountered. Borehole was backfilled with soil cuttings on 3/17/2023.						



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Project Name
Courtyard ADA Improvements
Bethune Middle School
155 West 69th Street
Los Angeles, California 90003

Project No. Drawing No.
23-31-134-01 A-4

Log of Boring No. BH-04

Dates Drilled: 3/17/2023 Logged by: Musfiquir Ali Checked By: Babak Abbasi
 Equipment: 4" HAND AUGER Driving Weight and Drop: 45 lb 2 ft
 Ground Surface Elevation (ft): 141 Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS / 6"	MOISTURE (%)	DRY UNIT WT. (pcf)	LAB TESTS
			DRIVE	BULK				
5		SURFACE, GRASS, PATCHY, DARK SOIL FILL (Af): SILTY SAND (SM): fine-grained, some silt, contains organic material, brown.						R
		ALLUVIUM: SAND (SP): fine-grained, poorly graded, high moisture, dark gray.			25	20	96.4	
10		SILT (ML): some sand, low plasticity, brown. End of boring at 10.5 feet below ground surface. No ground water encountered. Borehole was backfilled with soil cuttings on 3/17/2023.			40	21	109.6	WA (fc = 58.1%)



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Project Name
 Courtyard ADA Improvements
 Bethune Middle School
 155 West 69th Street
 Los Angeles, California 90003

Project No. 23-31-134-01 Drawing No. A-5

Log of Boring No. BH-05

Dates Drilled: 3/17/2023 Logged by: Musfiquir Ali Checked By: Babak Abbasi

Equipment: 4" HAND AUGER Driving Weight and Drop: 45 lb 2 ft

Ground Surface Elevation (ft): 141 Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS / 6"	MOISTURE (%)	DRY UNIT WT. (pcf)	LAB TESTS
			DRIVE	BULK				
5		SURFACE, GRASS, PATCHY, DARK SOIL						CR
		FILL (Af): SILTY SAND (SM): fine to medium-grained, some silt, contains organic material, brown.						
10		ALLUVIUM: SILTY SAND (SM): fine-grained, very moist, low plasticity, light to dark gray.			20	24	94.4	
					40			
		End of boring at 10.5 feet below ground surface. No ground water encountered. Borehole was backfilled with soil cuttings on 3/17/2023.						



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Project Name
 Courtyard ADA Improvements
 Bethune Middle School
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 Los Angeles, California 90003

Project No. Drawing No.
 23-31-134-01 A-6

Appendix B

Laboratory Testing Program



APPENDIX B: LABORATORY TESTING PROGRAM

Tests were conducted in our laboratory on representative soil samples for the purpose of classification and evaluation of their relevant physical characteristics and engineering properties. The amount and selection of tests were based on the geotechnical requirements of the project. Test results are presented herein and on the Logs of Borings in Appendix A, *Field Exploration*. The following is a summary of the laboratory tests conducted for this project.

Moisture Content and Dry Density

Results of moisture content and dry density tests performed on relatively undisturbed ring samples were used to aid in the classification of the soils and to provide quantitative measure of the *in-situ* dry density. Data obtained from this test provides qualitative information on strength and compressibility characteristics of site soils. For test results, see the Logs of Borings in Appendix A, *Field Exploration*.

Soil Corrosivity

One (1) representative soil sample was tested to determine minimum electrical resistivity, pH, and chemical content, including chloride concentrations, and soluble sulfate. The purpose of the testing was to determine the corrosion potential of site soils when placed in contact with common construction materials. The testing was performed by AP Engineering in Pomona, California. The test result received from AP Engineering is included in the following table:

Table No. B-1, Summary of Corrosivity Test Result

Boring No.	Sample Depth (feet)	pH (Caltrans 643)	Soluble Chlorides (Caltrans 422) ppm	Soluble Sulfate (Caltrans 417) (%)	Saturated Resistivity (Caltrans 643) Ohm-cm
BH-3	0.5-5	8.3	25	0.0031	4,408

Percent Finer Than Sieve No. 200

The percent finer than Sieve No. 200 test was performed on three (3) selected soil samples to aid in the classification of the on-site soils and to estimate other engineering parameters. Testing was performed in general accordance with the ASTM Standard D1140 test method. The test results are presented in the boring logs.



Table No. B-2, Summary of Percent Passing Sieve #200 Test Results

Boring No.	Depth (feet)	Soil Classification	Percent Passing Sieve No. 200
BH-3	5.0-5.5	Silty Sand (SM)	42.8%
BH-3	15.0-15.5	Silty Sand (SM)	29.5%
BH-4	10.0-10.5	Silt (ML)	58.1%

Grain-Size Analysis

To assist in classification of soils, mechanical grain-size analysis was performed on one (1) selected sample. Testing was performed in general accordance with the ASTM Standard C136 test method. Grain-size curve is shown in Drawing No. B-1, *Grain Size Distribution Results*.

Table No. B-3, Summary of Grain Size Distribution Test Result

Boring No.	Depth (ft)	Soil Classification	% Gravel	% Sand	%Silt	%Clay
BH-1	0.2-5	Sandy Silt (ML)	2.0	43.0	55.0	

Maximum Dry Density Test

One (1) laboratory maximum dry density moisture content relationship test was performed on a representative bulk sample of the upper 5 feet of soil material. The testing was conducted in accordance with ASTM Standard D1557 laboratory procedure. The test result is presented on Drawing No. B-2, *Moisture-Density Relationship Results*.

Table No. B-4, Summary of Moisture-Density Relationship Result

Boring No.	Depth (feet)	Soil Description	Optimum Moisture (%)	Maximum Density (lb/cft)
BH-4	0.25-5	Silty Sand (SM)	12	121

Direct Shear

A direct shear test was performed on one (1) relatively undisturbed sample at soaked moisture conditions. For this test, three samples contained in brass sampler rings were placed, one at a time, directly into the test apparatus and subjected to a range of normal loads appropriate for the anticipated conditions. The sand samples were then sheared at a constant strain rate of 0.025 inch/minute. Shear deformation was recorded until a maximum of about 0.250-inch shear displacement was achieved. Ultimate strength was selected from the shear-stress deformation data and plotted to determine the shear strength parameters. For test data, including sample density and moisture content, see Drawing No. B-3, *Direct Shear Test Results*, and the following table:



Table No. B-5, Summary of Direct Shear Test Result

Boring No.	Depth (feet)	Soil Classification	Ultimate Strength Parameters	
			Friction Angle (degrees)	Cohesion (psf)
BH-3	5.0-5.5	Silty Sand (SM)	32	50

Consolidation Test

A consolidation test was performed on one (1) relatively undisturbed sample. Data obtained from this test was used to evaluate the settlement characteristics of the foundation soils under load. Preparation for this test involved trimming the sample and placing the 1-inch-high brass ring into the test apparatus, which contained porous stones, both top and bottom, to accommodate drainage during testing. Normal axial loads were applied to one end of the sample through the porous stones, and the resulting deflections were recorded at various time periods. The load was increased after the sample reached a reasonable state equilibrium. Normal loads were applied at a constant load-increment ratio, successive loads being generally twice the preceding load. The sample was tested at field and submerged conditions. The test result, including sample density and moisture content, is presented in Drawing No. B-4, *Consolidation Test Results*.

R-Value

One (1) representative bulk soil sample was tested for resistance value (R-Value) in accordance with ASTM D2844 Standard. This test is designed to provide a relative measure of soil strength for use in pavement design. The test result is shown in the following table:

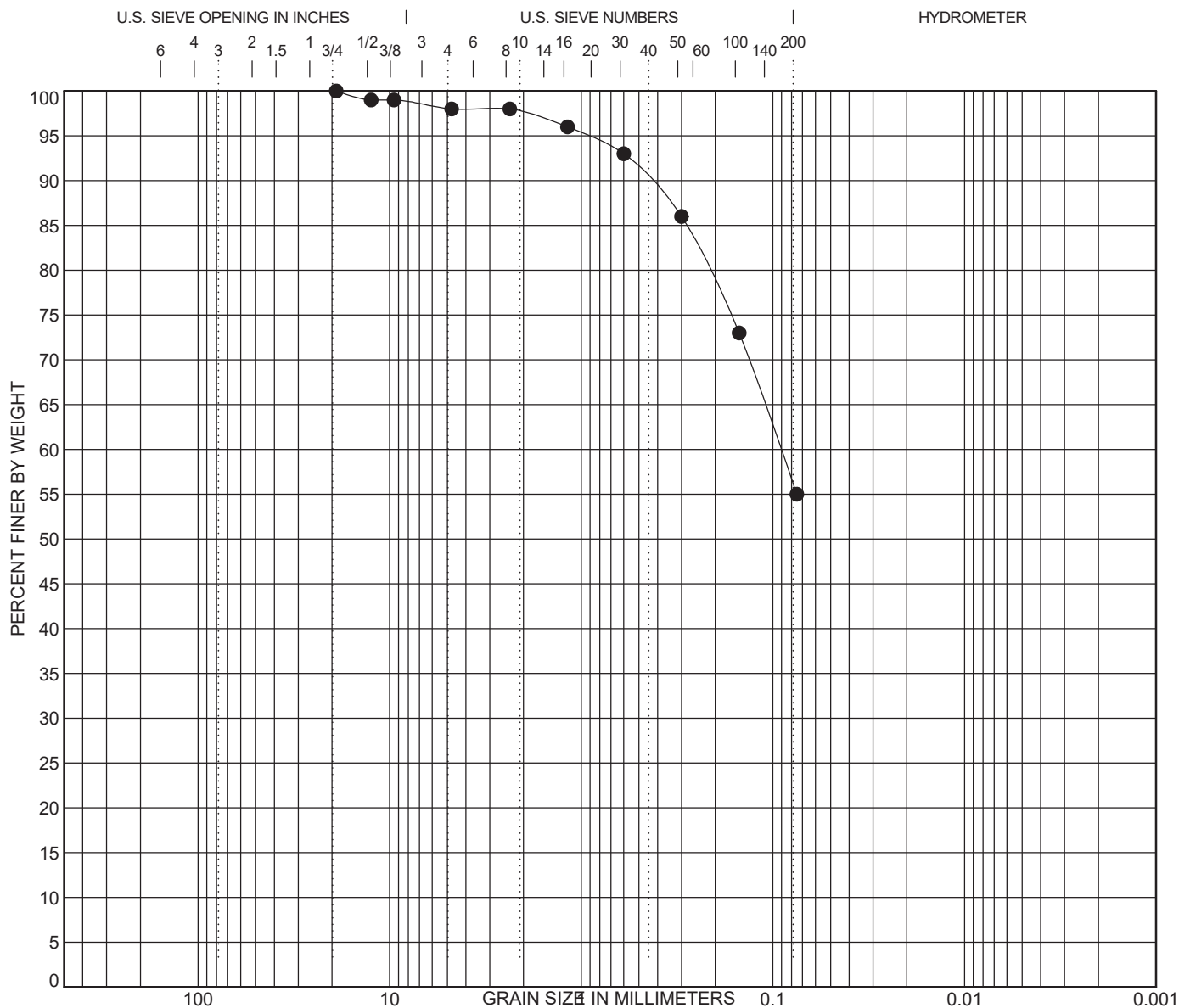
Table No. B-6, R-Value Test Result

Boring No.	Depth (feet)	Soil Classification	Measured R-Value
BH-4	0-5	Silty Sand (SM)	51

Sample Storage

Soil samples presently stored in our laboratory will be discarded 30 days after the date of this report, unless this office receives a specific request to retain the samples for a longer period of time.





COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring No.		Depth (ft)	Description					LL	PL	PI	Cc	Cu
●	BH-01	0.2-5.0	Sandy Silt (ML), brown									
Boring No.		Depth (ft)	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
●	BH-01	0.2-5.05	19	0.091			2.0	43.0	55.0			

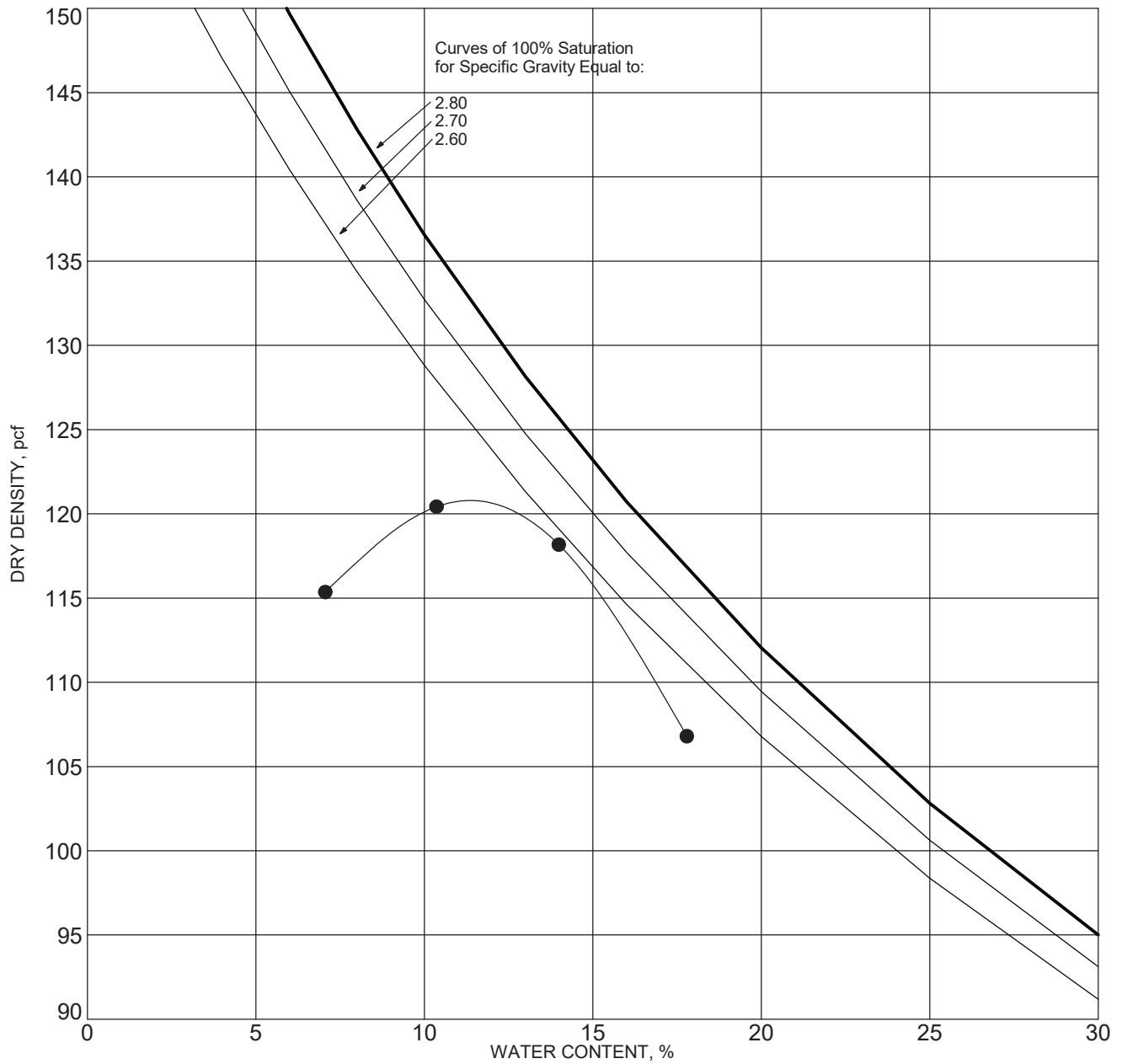
GRAIN SIZE DISTRIBUTION RESULTS



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Project Name
 Courtyard ADA Improvements
 Bethune Middle School
 155 West 69th Street
 Los Angeles, California 90003

Project No. 23-31-134-01
 Drawing No. B-1



SYMBOL	BORING NO.	DEPTH (ft)	DESCRIPTION	ASTM TEST METHOD	OPTIMUM WATER, %	MAXIMUM DRY DENSITY, pcf
●	BH-02	0.2-5.0	Silty Sand (SM), brown	D1557 Method B	12	121

MOISTURE-DENSITY RELATIONSHIP RESULTS

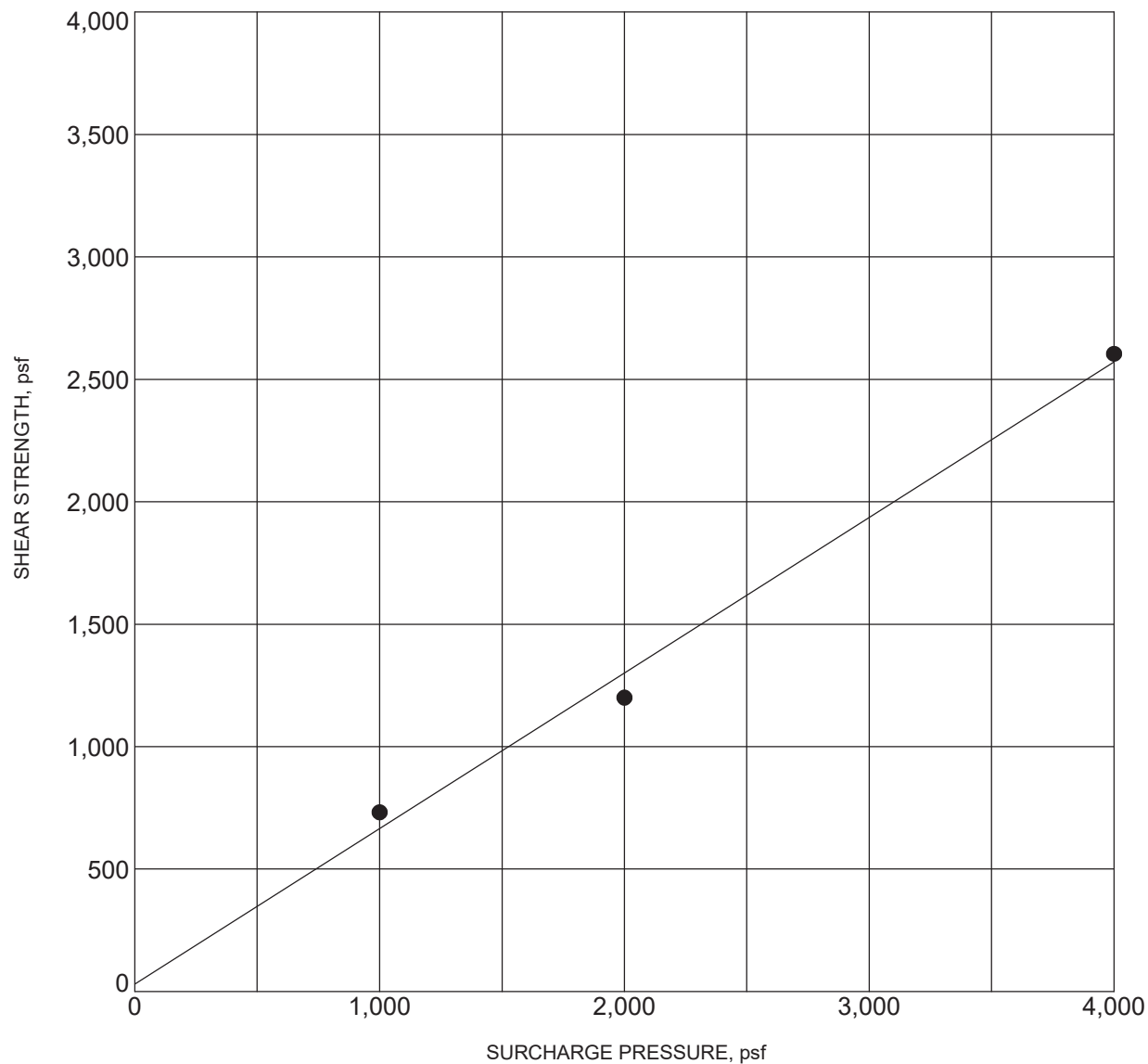


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Project Name
 Courtyard ADA Improvements
 Bethune Middle School
 155 West 69th Street
 Los Angeles, California 90003

Project No.
 23-31-134-01

Drawing No.
 B-2



BORING NO.	:	BH-03	DEPTH (ft)	:	5.0-5.5
DESCRIPTION	:	Silty Sand (SM)			
COHESION (psf)	:	50	FRICTION ANGLE (degrees):		32
MOISTURE CONTENT (%)	:	22.0	DRY DENSITY (pcf)	:	94.5

NOTE: Ultimate Strength.

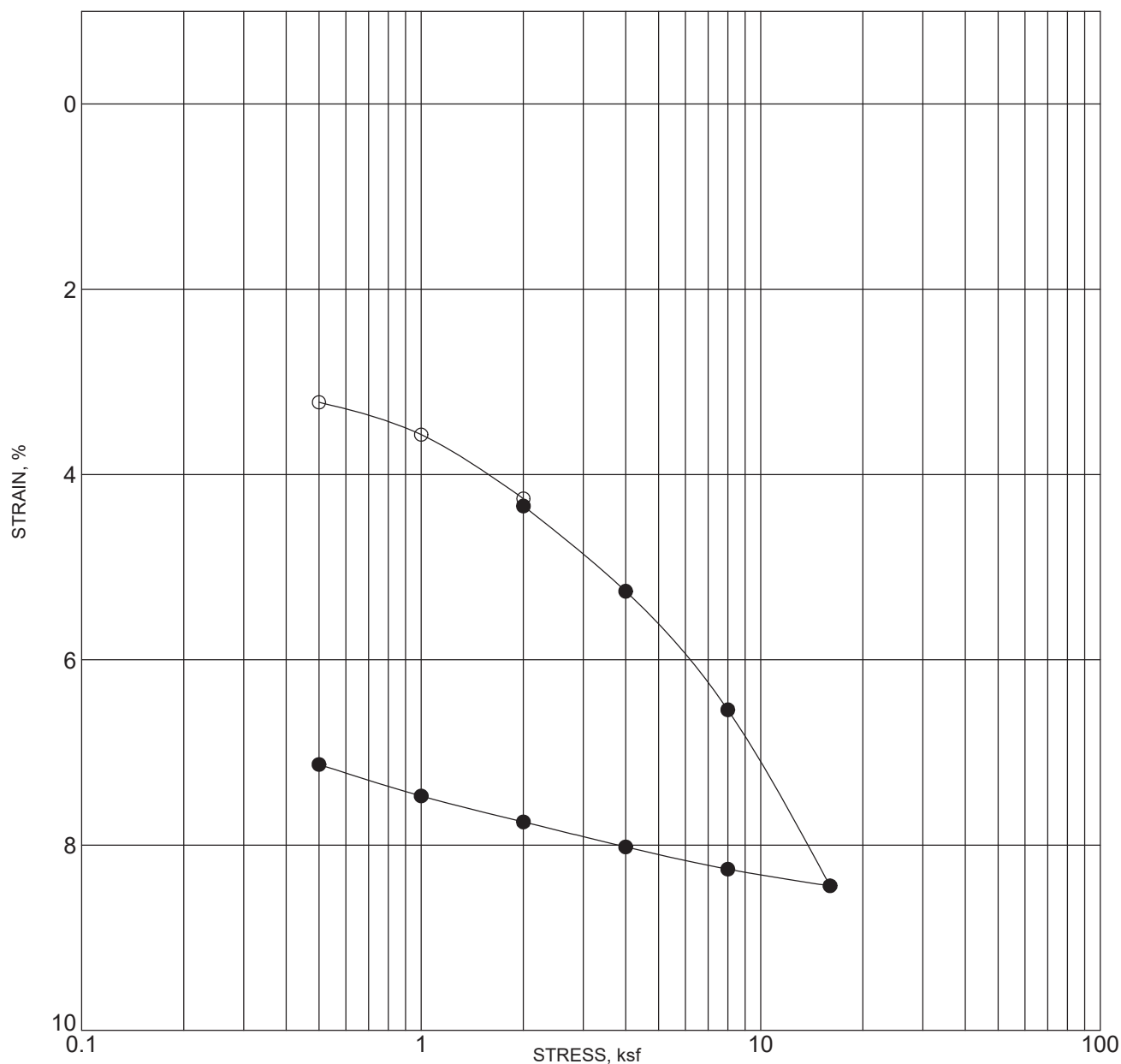
DIRECT SHEAR TEST RESULTS



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Project Name
 Courtyard ADA Improvements
 Bethune Middle School
 155 West 69th Street
 Los Angeles, California 90003

Project No. Drawing No.
 23-31-134-01 B-4



BORING NO. : BH-02		DEPTH (ft) : 5.0-5.5	
DESCRIPTION : Silty Sand (SM), brown			
MOISTURE CONTENT (%)	DRY DENSITY (pcf)	PERCENT SATURATION	VOID RATIO
INITIAL 16	93.3	77.2	0.55
FINAL			

NOTE: SOLID CIRCLES INDICATE READINGS AFTER ADDITION OF WATER

CONSOLIDATION TEST RESULTS



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Project Name
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 Bethune Middle School
 155 West 69th Street
 Los Angeles, California 90003

Project No. Drawing No.
 23-31-134-01 B-3