

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

McKinley Elementary Modernization

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	90.98	1000sqft	0.43	90,982.00	0
Parking Lot	149.00	1000sqft	3.42	149,000.00	0
City Park	0.37	Acre	0.37	16,117.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - 72,478SF new building and 18,504SF modernization. 4.22acres per applicant information (entire site). Parking to include all hardscaping/parking, and park for turf fields.

Construction Phase - Construction timeline Q3-2021 through Q1-2025. Default timeline lengthened by 3x.

Trips and VMT -

Demolition - Demolition SF is 55,582.

Grading - Assumes entire site will be graded (worst-case). No anticipated import/export.

Architectural Coating -

Vehicle Trips - No anticipated increases in capacity or trips.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation reflects LAUSD SCA AQ 4 requires water the site 3 times daily, stabilize soil, replace groundcover, 15mph limit, wash trucks exiting site, and the use of tier 3 or 4 engines.

Area Mitigation - Gas powered leafblowers are illegal in the City of Los Angeles within 500 feet of a residence. Nowhere on the project site is greater than 500 feet from a residence.

Water Mitigation -

Waste Mitigation -

Stationary Sources - Process Boilers -

Off-road Equipment - Minimal site preparation required, as site is currently developed. No significant tree or stone removal or vegetation clearing expected.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	230.00	690.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	8.00	24.00
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	5.00	15.00
tblGrading	AcresOfGrading	12.00	4.22

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tblLandUse	LandUseSquareFeet	90,980.00	90,982.00
tblLandUse	LotAcreage	2.09	0.43
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	15.43	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2646	32.6160	22.4344	0.0501	18.2675	1.5562	18.9133	9.9840	1.4457	10.5782	0.0000	4,937.7340	4,937.7340	1.0842	0.0000	4,955.7407
2022	2.2597	19.7809	21.3853	0.0495	1.4761	0.8258	2.3018	0.3976	0.7768	1.1744	0.0000	4,885.3836	4,885.3836	0.7104	0.0000	4,903.1429
2023	2.0689	17.5873	20.8508	0.0488	1.4761	0.7123	2.1884	0.3976	0.6701	1.0677	0.0000	4,806.7817	4,806.7817	0.6956	0.0000	4,824.1710
2024	16.6452	16.6121	20.4954	0.0484	1.4761	0.6257	2.1018	0.3976	0.5884	0.9860	0.0000	4,767.3444	4,767.3444	0.6888	0.0000	4,784.5647
Maximum	16.6452	32.6160	22.4344	0.0501	18.2675	1.5562	18.9133	9.9840	1.4457	10.5782	0.0000	4,937.7340	4,937.7340	1.0842	0.0000	4,955.7407

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2.1 Overall Construction (Maximum Daily Emission)**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.2645	19.4882	25.5432	0.0501	6.1202	0.9216	6.3967	3.3282	0.9205	3.6046	0.0000	4,937.734 0	4,937.734 0	1.0842	0.0000	4,955.740 7
2022	1.2274	18.3914	22.8957	0.0495	0.9797	0.9203	1.9000	0.2757	0.9192	1.1949	0.0000	4,885.383 6	4,885.383 6	0.7104	0.0000	4,903.142 9
2023	1.1700	17.4285	22.4806	0.0488	0.9797	0.9161	1.8958	0.2757	0.9153	1.1910	0.0000	4,806.781 7	4,806.781 7	0.6956	0.0000	4,824.171 0
2024	16.5238	17.3944	22.2024	0.0484	0.9797	0.9160	1.8956	0.2757	0.9151	1.1908	0.0000	4,767.344 4	4,767.344 4	0.6888	0.0000	4,784.564 7
Maximum	16.5238	19.4882	25.5432	0.0501	6.1202	0.9216	6.3967	3.3282	0.9205	3.6046	0.0000	4,937.734 0	4,937.734 0	1.0842	0.0000	4,955.740 7

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	16.72	16.04	-9.34	0.00	60.08	1.23	52.61	62.82	-5.43	47.99	0.00	0.00	0.00	0.00	0.00	0.00

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0997	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0526	0.0526	1.4000e-004		0.0560
Energy	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.1277	0.2544	0.2380	1.5200e-003	0.0000	0.0194	0.0194	0.0000	0.0194	0.0194		305.0366	305.0366	5.9900e-003	5.5900e-003	306.8524

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0995	2.1000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0504	0.0504	1.2000e-004		0.0535
Energy	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.1275	0.2544	0.2372	1.5200e-003	0.0000	0.0194	0.0194	0.0000	0.0194	0.0194		305.0344	305.0344	5.9700e-003	5.5900e-003	306.8498

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.01	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2021	9/22/2021	5	60	
2	Site Preparation	Site Preparation	9/23/2021	10/13/2021	5	15	
3	Grading	Grading	10/14/2021	11/16/2021	5	24	
4	Building Construction	Building Construction	11/17/2021	7/9/2024	5	690	
5	Paving	Paving	7/10/2024	9/23/2024	5	54	
6	Architectural Coating	Architectural Coating	9/24/2024	12/6/2024	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.22

Acres of Paving: 3.42

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 136,473; Non-Residential Outdoor: 45,491; Striped Parking Area: 8,940 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	253.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9119	0.0000	0.9119	0.1381	0.0000	0.1381			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9119	1.5513	2.4632	0.1381	1.4411	1.5792		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	1.1311	0.2652	3.2900e-003	0.0737	3.4700e-003	0.0772	0.0202	3.3200e-003	0.0235		356.9182	356.9182	0.0242		357.5237
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0995	1.1753	0.8694	5.0000e-003	0.2414	4.8200e-003	0.2462	0.0647	4.5700e-003	0.0692		527.7337	527.7337	0.0293		528.4650

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3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3023	0.0000	0.3023	0.0458	0.0000	0.0458			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.9246	18.3130	24.6739	0.0388	0.3023	0.8627	1.1650	0.0458	0.8627	0.9085	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0352	1.1311	0.2652	3.2900e-003	0.0514	3.4700e-003	0.0549	0.0147	3.3200e-003	0.0181		356.9182	356.9182	0.0242		357.5237
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1094	1.3500e-003	0.1107	0.0302	1.2500e-003	0.0314		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0995	1.1753	0.8694	5.0000e-003	0.1608	4.8200e-003	0.1656	0.0449	4.5700e-003	0.0495		527.7337	527.7337	0.0293		528.4650

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3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	1.2336	12.8671	6.2980	0.0116		0.6442	0.6442		0.5927	0.5927		1,128.2523	1,128.2523	0.3649		1,137.3748
Total	1.2336	12.8671	6.2980	0.0116	18.0663	0.6442	18.7105	9.9307	0.5927	10.5234		1,128.2523	1,128.2523	0.3649		1,137.3748

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296

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3.3 Site Preparation - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.9890	0.0000	5.9890	3.2920	0.0000	3.2920			0.0000			0.0000
Off-Road	0.2851	5.7771	6.8727	0.0116		0.2749	0.2749		0.2749	0.2749	0.0000	1,128.2523	1,128.2523	0.3649		1,137.3748
Total	0.2851	5.7771	6.8727	0.0116	5.9890	0.2749	6.2638	3.2920	0.2749	3.5669	0.0000	1,128.2523	1,128.2523	0.3649		1,137.3748

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.1312	1.6300e-003	0.1329	0.0362	1.5000e-003	0.0377		204.9786	204.9786	6.0400e-003		205.1296
Total	0.0772	0.0530	0.7250	2.0600e-003	0.1312	1.6300e-003	0.1329	0.0362	1.5000e-003	0.0377		204.9786	204.9786	6.0400e-003		205.1296

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3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2086	0.0000	6.2086	3.3304	0.0000	3.3304			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.2086	1.1599	7.3685	3.3304	1.0671	4.3975		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.4 Grading - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0581	0.0000	2.0581	1.1040	0.0000	1.1040			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0296		0.7555	0.7555		0.7555	0.7555	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	0.7263	14.8397	18.9906	0.0296	2.0581	0.7555	2.8137	1.1040	0.7555	1.8596	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1094	1.3500e-003	0.1107	0.0302	1.2500e-003	0.0314		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1094	1.3500e-003	0.1107	0.0302	1.2500e-003	0.0314		170.8155	170.8155	5.0300e-003		170.9413

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1277	4.0778	1.0660	0.0108	0.2689	8.3400e-003	0.2772	0.0774	7.9700e-003	0.0854		1,154.4987	1,154.4987	0.0680		1,156.1990
Worker	0.4630	0.3182	4.3500	0.0124	1.2072	9.7500e-003	1.2169	0.3202	8.9900e-003	0.3291		1,229.8714	1,229.8714	0.0362		1,230.7774
Total	0.5906	4.3960	5.4160	0.0232	1.4761	0.0181	1.4942	0.3976	0.0170	0.4145		2,384.3701	2,384.3701	0.1043		2,386.9764

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1277	4.0778	1.0660	0.0108	0.1923	8.3400e-003	0.2006	0.0586	7.9700e-003	0.0666		1,154.4987	1,154.4987	0.0680		1,156.1990
Worker	0.4630	0.3182	4.3500	0.0124	0.7874	9.7500e-003	0.7971	0.2171	8.9900e-003	0.2261		1,229.8714	1,229.8714	0.0362		1,230.7774
Total	0.5906	4.3960	5.4160	0.0232	0.9797	0.0181	0.9977	0.2757	0.0170	0.2927		2,384.3701	2,384.3701	0.1043		2,386.9764

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1198	3.8779	1.0086	0.0107	0.2689	7.2900e-003	0.2762	0.0774	6.9700e-003	0.0844		1,144.4407	1,144.4407	0.0657		1,146.0826
Worker	0.4337	0.2874	4.0133	0.0119	1.2072	9.4500e-003	1.2166	0.3202	8.7000e-003	0.3289		1,186.6093	1,186.6093	0.0328		1,187.4281
Total	0.5535	4.1653	5.0219	0.0226	1.4761	0.0167	1.4928	0.3976	0.0157	0.4132		2,331.0500	2,331.0500	0.0984		2,333.5107

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1198	3.8779	1.0086	0.0107	0.1923	7.2900e-003	0.1996	0.0586	6.9700e-003	0.0656		1,144.4407	1,144.4407	0.0657		1,146.0826
Worker	0.4337	0.2874	4.0133	0.0119	0.7874	9.4500e-003	0.7968	0.2171	8.7000e-003	0.2258		1,186.6093	1,186.6093	0.0328		1,187.4281
Total	0.5535	4.1653	5.0219	0.0226	0.9797	0.0167	0.9964	0.2757	0.0157	0.2914		2,331.0500	2,331.0500	0.0984		2,333.5107

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0889	2.9424	0.9109	0.0104	0.2689	3.4000e-003	0.2723	0.0774	3.2500e-003	0.0807		1,108.4112	1,108.4112	0.0582		1,109.8662
Worker	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988
Total	0.4961	3.2024	4.6068	0.0218	1.4761	0.0126	1.4887	0.3976	0.0117	0.4093		2,251.5718	2,251.5718	0.0877		2,253.7649

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0889	2.9424	0.9109	0.0104	0.1923	3.4000e-003	0.1957	0.0586	3.2500e-003	0.0619		1,108.4112	1,108.4112	0.0582		1,109.8662
Worker	0.4072	0.2601	3.6959	0.0115	0.7874	9.1800e-003	0.7966	0.2171	8.4500e-003	0.2256		1,143.1606	1,143.1606	0.0295		1,143.8988
Total	0.4961	3.2024	4.6068	0.0218	0.9797	0.0126	0.9922	0.2757	0.0117	0.2874		2,251.5718	2,251.5718	0.0877		2,253.7649

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0868	2.9312	0.8832	0.0103	0.2689	3.3600e-003	0.2723	0.0774	3.2100e-003	0.0806		1,103.9130	1,103.9130	0.0574		1,105.3473
Worker	0.3852	0.2372	3.4454	0.0111	1.2072	9.0500e-003	1.2162	0.3202	8.3300e-003	0.3285		1,107.7325	1,107.7325	0.0271		1,108.4098
Total	0.4720	3.1683	4.3286	0.0214	1.4761	0.0124	1.4885	0.3976	0.0115	0.4091		2,211.6455	2,211.6455	0.0845		2,213.7570

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0868	2.9312	0.8832	0.0103	0.1923	3.3600e-003	0.1956	0.0586	3.2100e-003	0.0618		1,103.9130	1,103.9130	0.0574		1,105.3473
Worker	0.3852	0.2372	3.4454	0.0111	0.7874	9.0500e-003	0.7964	0.2171	8.3300e-003	0.2254		1,107.7325	1,107.7325	0.0271		1,108.4098
Total	0.4720	3.1683	4.3286	0.0214	0.9797	0.0124	0.9921	0.2757	0.0115	0.2873		2,211.6455	2,211.6455	0.0845		2,213.7570

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.6 Paving - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.1659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0473	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0439	0.6380	2.0600e-003	0.2236	1.6800e-003	0.2252	0.0593	1.5400e-003	0.0608		205.1357	205.1357	5.0200e-003		205.2611
Total	0.0713	0.0439	0.6380	2.0600e-003	0.2236	1.6800e-003	0.2252	0.0593	1.5400e-003	0.0608		205.1357	205.1357	5.0200e-003		205.2611

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.6 Paving - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.1659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6048	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0439	0.6380	2.0600e-003	0.1458	1.6800e-003	0.1475	0.0402	1.5400e-003	0.0418		205.1357	205.1357	5.0200e-003		205.2611
Total	0.0713	0.0439	0.6380	2.0600e-003	0.1458	1.6800e-003	0.1475	0.0402	1.5400e-003	0.0418		205.1357	205.1357	5.0200e-003		205.2611

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.3859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	16.5667	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0483	0.7019	2.2600e-003	0.2459	1.8400e-003	0.2478	0.0652	1.7000e-003	0.0669		225.6492	225.6492	5.5200e-003		225.7872
Total	0.0785	0.0483	0.7019	2.2600e-003	0.2459	1.8400e-003	0.2478	0.0652	1.7000e-003	0.0669		225.6492	225.6492	5.5200e-003		225.7872

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.3859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	16.4454	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0483	0.7019	2.2600e-003	0.1604	1.8400e-003	0.1622	0.0442	1.7000e-003	0.0459		225.6492	225.6492	5.5200e-003		225.7872
Total	0.0785	0.0483	0.7019	2.2600e-003	0.1604	1.8400e-003	0.1622	0.0442	1.7000e-003	0.0459		225.6492	225.6492	5.5200e-003		225.7872

4.0 Operational Detail - Mobile

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Elementary School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
NaturalGas Unmitigated	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	2592.36	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	2.59236	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964

6.0 Area Detail

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

6.1 Mitigation Measures Area

Use Electric Leafblower

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0995	2.1000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0504	0.0504	1.2000e-004		0.0535
Unmitigated	2.0997	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0526	0.0526	1.4000e-004		0.0560

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2500e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0526	0.0526	1.4000e-004		0.0560
Total	2.0997	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0526	0.0526	1.4000e-004		0.0560

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.1000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0504	0.0504	1.2000e-004		0.0535
Total	2.0995	2.1000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0504	0.0504	1.2000e-004		0.0535

7.0 Water Detail

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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McKinley Elementary Modernization

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	90.98	1000sqft	0.43	90,982.00	0
Parking Lot	149.00	1000sqft	3.42	149,000.00	0
City Park	0.37	Acre	0.37	16,117.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - 72,478SF new building and 18,504SF modernization. 4.22acres per applicant information (entire site). Parking to include all hardscaping/parking, and park for turf fields.

Construction Phase - Construction timeline Q3-2021 through Q1-2025. Default timeline lengthened by 3x.

Trips and VMT -

Demolition - Demolition SF is 55,582.

Grading - Assumes entire site will be graded (worst-case). No anticipated import/export.

Architectural Coating -

Vehicle Trips - No anticipated increases in capacity or trips.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation reflects LAUSD SCA AQ 4 requires water the site 3 times daily, stabilize soil, replace groundcover, 15mph limit, wash trucks exiting site, and the use of tier 3 or 4 engines.

Area Mitigation - Gas powered leafblowers are illegal in the City of Los Angeles within 500 feet of a residence. Nowhere on the project site is greater than 500 feet from a residence.

Water Mitigation -

Waste Mitigation -

Stationary Sources - Process Boilers -

Off-road Equipment - Minimal site preparation required, as site is currently developed. No significant tree or stone removal or vegetation clearing expected.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	230.00	690.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	8.00	24.00
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	5.00	15.00
tblGrading	AcresOfGrading	12.00	4.22

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tblLandUse	LandUseSquareFeet	90,980.00	90,982.00
tblLandUse	LotAcreage	2.09	0.43
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	15.43	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1772	1.7361	1.2810	2.6000e-003	0.2718	0.0816	0.3534	0.1279	0.0758	0.2037	0.0000	231.0764	231.0764	0.0530	0.0000	232.4010
2022	0.2944	2.5845	2.7547	6.3600e-003	0.1882	0.1074	0.2956	0.0508	0.1010	0.1518	0.0000	568.6112	568.6112	0.0838	0.0000	570.7068
2023	0.2695	2.2952	2.6856	6.2600e-003	0.1882	0.0926	0.2809	0.0508	0.0871	0.1379	0.0000	559.6360	559.6360	0.0821	0.0000	561.6873
2024	0.6131	1.4015	1.8042	3.9800e-003	0.1116	0.0554	0.1670	0.0301	0.0520	0.0821	0.0000	353.7573	353.7573	0.0574	0.0000	355.1909
Maximum	0.6131	2.5845	2.7547	6.3600e-003	0.2718	0.1074	0.3534	0.1279	0.1010	0.2037	0.0000	568.6112	568.6112	0.0838	0.0000	570.7068

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2.1 Overall Construction**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0639	1.1175	1.4376	2.6000e-003	0.1016	0.0524	0.1540	0.0457	0.0524	0.0981	0.0000	231.0762	231.0762	0.0530	0.0000	232.4008
2022	0.1602	2.4038	2.9510	6.3600e-003	0.1252	0.1197	0.2448	0.0353	0.1195	0.1548	0.0000	568.6108	568.6108	0.0838	0.0000	570.7065
2023	0.1527	2.2746	2.8975	6.2600e-003	0.1252	0.1191	0.2443	0.0353	0.1190	0.1543	0.0000	559.6357	559.6357	0.0821	0.0000	561.6869
2024	0.5433	1.4809	1.9571	3.9800e-003	0.0741	0.0796	0.1537	0.0209	0.0795	0.1004	0.0000	353.7570	353.7570	0.0574	0.0000	355.1907
Maximum	0.5433	2.4038	2.9510	6.3600e-003	0.1252	0.1197	0.2448	0.0457	0.1195	0.1548	0.0000	568.6108	568.6108	0.0838	0.0000	570.7065

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	32.07	9.24	-8.42	0.00	43.94	-10.03	27.36	47.13	-17.24	11.79	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	1.1171	0.6331
2	10-1-2021	12-31-2021	0.7880	0.5403
3	1-1-2022	3-31-2022	0.7109	0.6330
4	4-1-2022	6-30-2022	0.7163	0.6376
5	7-1-2022	9-30-2022	0.7242	0.6446
6	10-1-2022	12-31-2022	0.7267	0.6471
7	1-1-2023	3-31-2023	0.6340	0.6000
8	4-1-2023	6-30-2023	0.6388	0.6045

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9	7-1-2023	9-30-2023	0.6458	0.6111
10	10-1-2023	12-31-2023	0.6481	0.6133
11	1-1-2024	3-31-2024	0.6051	0.6046
12	4-1-2024	6-30-2024	0.6031	0.6026
13	7-1-2024	9-30-2024	0.3605	0.3707
		Highest	1.1171	0.6471

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3831	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9600e-003	5.9600e-003	2.0000e-005	0.0000	6.3500e-003
Energy	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	379.5260	379.5260	8.7400e-003	2.5300e-003	380.4995
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	24.0138	0.0000	24.0138	1.4192	0.0000	59.4933
Water						0.0000	0.0000		0.0000	0.0000	0.8370	63.8372	64.6742	0.0875	2.3400e-003	67.5588
Total	0.3882	0.0464	0.0420	2.8000e-004	0.0000	3.5400e-003	3.5400e-003	0.0000	3.5400e-003	3.5400e-003	24.8508	443.3692	468.2200	1.5154	4.8700e-003	507.5579

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3830	3.0000e-005	2.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7200e-003	5.7200e-003	1.0000e-005	0.0000	6.0700e-003
Energy	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	379.5260	379.5260	8.7400e-003	2.5300e-003	380.4995
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	12.0069	0.0000	12.0069	0.7096	0.0000	29.7466
Water						0.0000	0.0000		0.0000	0.0000	0.6696	57.2838	57.9533	0.0701	1.9000e-003	60.2737
Total	0.3881	0.0464	0.0419	2.8000e-004	0.0000	3.5400e-003	3.5400e-003	0.0000	3.5400e-003	3.5400e-003	12.6765	436.8155	449.4920	0.7885	4.4300e-003	470.5259

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.01	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.99	1.48	4.00	47.97	9.03	7.30

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2021	9/22/2021	5	60	
2	Site Preparation	Site Preparation	9/23/2021	10/13/2021	5	15	
3	Grading	Grading	10/14/2021	11/16/2021	5	24	
4	Building Construction	Building Construction	11/17/2021	7/9/2024	5	690	
5	Paving	Paving	7/10/2024	9/23/2024	5	54	
6	Architectural Coating	Architectural Coating	9/24/2024	12/6/2024	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.22

Acres of Paving: 3.42

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 136,473; Non-Residential Outdoor: 45,491; Striped Parking Area: 8,940 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	253.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0274	0.0000	0.0274	4.1400e-003	0.0000	4.1400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0950	0.9432	0.6470	1.1600e-003		0.0465	0.0465		0.0432	0.0432	0.0000	102.0024	102.0024	0.0287	0.0000	102.7201
Total	0.0950	0.9432	0.6470	1.1600e-003	0.0274	0.0465	0.0739	4.1400e-003	0.0432	0.0474	0.0000	102.0024	102.0024	0.0287	0.0000	102.7201

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0700e-003	0.0350	8.1700e-003	1.0000e-004	2.1700e-003	1.0000e-004	2.2800e-003	6.0000e-004	1.0000e-004	7.0000e-004	0.0000	9.6431	9.6431	6.7000e-004	0.0000	9.6598
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.5100e-003	0.0170	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.4501	4.4501	1.3000e-004	0.0000	4.4534
Total	3.0100e-003	0.0365	0.0252	1.5000e-004	7.1000e-003	1.4000e-004	7.2500e-003	1.9100e-003	1.4000e-004	2.0500e-003	0.0000	14.0932	14.0932	8.0000e-004	0.0000	14.1132

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3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0700e-003	0.0000	9.0700e-003	1.3700e-003	0.0000	1.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0277	0.5494	0.7402	1.1600e-003		0.0259	0.0259		0.0259	0.0259	0.0000	102.0022	102.0022	0.0287	0.0000	102.7200
Total	0.0277	0.5494	0.7402	1.1600e-003	9.0700e-003	0.0259	0.0350	1.3700e-003	0.0259	0.0273	0.0000	102.0022	102.0022	0.0287	0.0000	102.7200

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0700e-003	0.0350	8.1700e-003	1.0000e-004	1.5200e-003	1.0000e-004	1.6300e-003	4.4000e-004	1.0000e-004	5.4000e-004	0.0000	9.6431	9.6431	6.7000e-004	0.0000	9.6598
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.5100e-003	0.0170	5.0000e-005	3.2200e-003	4.0000e-005	3.2600e-003	8.9000e-004	4.0000e-005	9.3000e-004	0.0000	4.4501	4.4501	1.3000e-004	0.0000	4.4534
Total	3.0100e-003	0.0365	0.0252	1.5000e-004	4.7400e-003	1.4000e-004	4.8900e-003	1.3300e-003	1.4000e-004	1.4700e-003	0.0000	14.0932	14.0932	8.0000e-004	0.0000	14.1132

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3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2500e-003	0.0965	0.0472	9.0000e-005		4.8300e-003	4.8300e-003		4.4500e-003	4.4500e-003	0.0000	7.6765	7.6765	2.4800e-003	0.0000	7.7386
Total	9.2500e-003	0.0965	0.0472	9.0000e-005	0.1355	4.8300e-003	0.1403	0.0745	4.4500e-003	0.0789	0.0000	7.6765	7.6765	2.4800e-003	0.0000	7.7386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.5000e-004	5.1100e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.3350	1.3350	4.0000e-005	0.0000	1.3360
Total	5.8000e-004	4.5000e-004	5.1100e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.3350	1.3350	4.0000e-005	0.0000	1.3360

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3.3 Site Preparation - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0449	0.0000	0.0449	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1400e-003	0.0433	0.0515	9.0000e-005		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	7.6765	7.6765	2.4800e-003	0.0000	7.7386
Total	2.1400e-003	0.0433	0.0515	9.0000e-005	0.0449	2.0600e-003	0.0470	0.0247	2.0600e-003	0.0268	0.0000	7.6765	7.6765	2.4800e-003	0.0000	7.7386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.5000e-004	5.1100e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	1.3350	1.3350	4.0000e-005	0.0000	1.3360
Total	5.8000e-004	4.5000e-004	5.1100e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	1.3350	1.3350	4.0000e-005	0.0000	1.3360

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3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0745	0.0000	0.0745	0.0400	0.0000	0.0400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0275	0.2968	0.1903	3.6000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	31.2644	31.2644	0.0101	0.0000	31.5172
Total	0.0275	0.2968	0.1903	3.6000e-004	0.0745	0.0139	0.0884	0.0400	0.0128	0.0528	0.0000	31.2644	31.2644	0.0101	0.0000	31.5172

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814

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3.4 Grading - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0247	0.0000	0.0247	0.0133	0.0000	0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7200e-003	0.1781	0.2279	3.6000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	31.2644	31.2644	0.0101	0.0000	31.5172
Total	8.7200e-003	0.1781	0.2279	3.6000e-004	0.0247	9.0700e-003	0.0338	0.0133	9.0700e-003	0.0223	0.0000	31.2644	31.2644	0.0101	0.0000	31.5172

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.2900e-003	2.0000e-005	1.3000e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.2900e-003	2.0000e-005	1.3000e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814

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3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0314	0.2876	0.2735	4.4000e-004		0.0158	0.0158		0.0149	0.0149	0.0000	38.2202	38.2202	9.2200e-003	0.0000	38.4507
Total	0.0314	0.2876	0.2735	4.4000e-004		0.0158	0.0158		0.0149	0.0149	0.0000	38.2202	38.2202	9.2200e-003	0.0000	38.4507

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0684	0.0185	1.8000e-004	4.3700e-003	1.4000e-004	4.5000e-003	1.2600e-003	1.3000e-004	1.3900e-003	0.0000	17.0822	17.0822	1.0500e-003	0.0000	17.1084
Worker	7.6700e-003	5.9700e-003	0.0674	1.9000e-004	0.0195	1.6000e-004	0.0197	5.1900e-003	1.5000e-004	5.3300e-003	0.0000	17.6225	17.6225	5.2000e-004	0.0000	17.6355
Total	9.8200e-003	0.0744	0.0859	3.7000e-004	0.0239	3.0000e-004	0.0242	6.4500e-003	2.8000e-004	6.7200e-003	0.0000	34.7047	34.7047	1.5700e-003	0.0000	34.7439

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3.5 Building Construction - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0111	0.2347	0.2949	4.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	38.2201	38.2201	9.2200e-003	0.0000	38.4506
Total	0.0111	0.2347	0.2949	4.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	38.2201	38.2201	9.2200e-003	0.0000	38.4506

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0684	0.0185	1.8000e-004	3.1300e-003	1.4000e-004	3.2700e-003	9.6000e-004	1.3000e-004	1.0900e-003	0.0000	17.0822	17.0822	1.0500e-003	0.0000	17.1084
Worker	7.6700e-003	5.9700e-003	0.0674	1.9000e-004	0.0128	1.6000e-004	0.0129	3.5200e-003	1.5000e-004	3.6700e-003	0.0000	17.6225	17.6225	5.2000e-004	0.0000	17.6355
Total	9.8200e-003	0.0744	0.0859	3.7000e-004	0.0159	3.0000e-004	0.0162	4.4800e-003	2.8000e-004	4.7600e-003	0.0000	34.7047	34.7047	1.5700e-003	0.0000	34.7439

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3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0159	0.5119	0.1382	1.3700e-003	0.0344	9.6000e-004	0.0354	9.9300e-003	9.2000e-004	0.0109	0.0000	133.4050	133.4050	7.9700e-003	0.0000	133.6042
Worker	0.0567	0.0425	0.4892	1.4800e-003	0.1539	1.2300e-003	0.1551	0.0409	1.1300e-003	0.0420	0.0000	133.9633	133.9633	3.6900e-003	0.0000	134.0556
Total	0.0726	0.5544	0.6274	2.8500e-003	0.1882	2.1900e-003	0.1904	0.0508	2.0500e-003	0.0528	0.0000	267.3683	267.3683	0.0117	0.0000	267.6598

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3.5 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0159	0.5119	0.1382	1.3700e-003	0.0247	9.6000e-004	0.0256	7.5400e-003	9.2000e-004	8.4600e-003	0.0000	133.4050	133.4050	7.9700e-003	0.0000	133.6042
Worker	0.0567	0.0425	0.4892	1.4800e-003	0.1005	1.2300e-003	0.1017	0.0278	1.1300e-003	0.0289	0.0000	133.9633	133.9633	3.6900e-003	0.0000	134.0556
Total	0.0726	0.5544	0.6274	2.8500e-003	0.1252	2.1900e-003	0.1274	0.0353	2.0500e-003	0.0374	0.0000	267.3683	267.3683	0.0117	0.0000	267.6598

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3.5 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0118	0.3868	0.1240	1.3300e-003	0.0344	4.5000e-004	0.0349	9.9300e-003	4.3000e-004	0.0104	0.0000	129.2286	129.2286	7.0400e-003	0.0000	129.4047
Worker	0.0533	0.0384	0.4499	1.4300e-003	0.1539	1.1900e-003	0.1550	0.0409	1.1000e-003	0.0420	0.0000	129.0612	129.0612	3.3200e-003	0.0000	129.1443
Total	0.0651	0.4252	0.5739	2.7600e-003	0.1882	1.6400e-003	0.1899	0.0508	1.5300e-003	0.0523	0.0000	258.2898	258.2898	0.0104	0.0000	258.5489

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3.5 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0118	0.3868	0.1240	1.3300e-003	0.0247	4.5000e-004	0.0251	7.5400e-003	4.3000e-004	7.9700e-003	0.0000	129.2286	129.2286	7.0400e-003	0.0000	129.4047
Worker	0.0533	0.0384	0.4499	1.4300e-003	0.1005	1.1900e-003	0.1017	0.0278	1.1000e-003	0.0289	0.0000	129.0612	129.0612	3.3200e-003	0.0000	129.1443
Total	0.0651	0.4252	0.5739	2.7600e-003	0.1252	1.6400e-003	0.1268	0.0353	1.5300e-003	0.0368	0.0000	258.2898	258.2898	0.0104	0.0000	258.5489

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3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1008	0.9209	1.1074	1.8500e-003		0.0420	0.0420		0.0395	0.0395	0.0000	158.8166	158.8166	0.0376	0.0000	159.7555
Total	0.1008	0.9209	1.1074	1.8500e-003		0.0420	0.0420		0.0395	0.0395	0.0000	158.8166	158.8166	0.0376	0.0000	159.7555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0700e-003	0.2030	0.0633	7.0000e-004	0.0181	2.3000e-004	0.0184	5.2300e-003	2.2000e-004	5.4500e-003	0.0000	67.8223	67.8223	3.6600e-003	0.0000	67.9137
Worker	0.0266	0.0185	0.2207	7.3000e-004	0.0811	6.2000e-004	0.0817	0.0215	5.7000e-004	0.0221	0.0000	65.8968	65.8968	1.6000e-003	0.0000	65.9369
Total	0.0327	0.2215	0.2841	1.4300e-003	0.0992	8.5000e-004	0.1001	0.0268	7.9000e-004	0.0276	0.0000	133.7190	133.7190	5.2600e-003	0.0000	133.8505

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3.5 Building Construction - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.9745	1.2244	1.8500e-003		0.0619	0.0619		0.0619	0.0619	0.0000	158.8165	158.8165	0.0376	0.0000	159.7553
Total	0.0462	0.9745	1.2244	1.8500e-003		0.0619	0.0619		0.0619	0.0619	0.0000	158.8165	158.8165	0.0376	0.0000	159.7553

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0700e-003	0.2030	0.0633	7.0000e-004	0.0130	2.3000e-004	0.0132	3.9700e-003	2.2000e-004	4.2000e-003	0.0000	67.8223	67.8223	3.6600e-003	0.0000	67.9137
Worker	0.0266	0.0185	0.2207	7.3000e-004	0.0530	6.2000e-004	0.0536	0.0146	5.7000e-004	0.0152	0.0000	65.8968	65.8968	1.6000e-003	0.0000	65.9369
Total	0.0327	0.2215	0.2841	1.4300e-003	0.0660	8.5000e-004	0.0668	0.0186	7.9000e-004	0.0194	0.0000	133.7190	133.7190	5.2600e-003	0.0000	133.8505

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3.6 Paving - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0238	0.2234	0.3300	5.1000e-004		0.0108	0.0108		9.9500e-003	9.9500e-003	0.0000	44.2269	44.2269	0.0139	0.0000	44.5743
Paving	4.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0283	0.2234	0.3300	5.1000e-004		0.0108	0.0108		9.9500e-003	9.9500e-003	0.0000	44.2269	44.2269	0.0139	0.0000	44.5743

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.3500e-003	0.0161	5.0000e-005	5.9200e-003	5.0000e-005	5.9600e-003	1.5700e-003	4.0000e-005	1.6100e-003	0.0000	4.8100	4.8100	1.2000e-004	0.0000	4.8129
Total	1.9400e-003	1.3500e-003	0.0161	5.0000e-005	5.9200e-003	5.0000e-005	5.9600e-003	1.5700e-003	4.0000e-005	1.6100e-003	0.0000	4.8100	4.8100	1.2000e-004	0.0000	4.8129

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3.6 Paving - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0119	0.2454	0.3654	5.1000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	44.2268	44.2268	0.0139	0.0000	44.5742
Paving	4.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.2454	0.3654	5.1000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	44.2268	44.2268	0.0139	0.0000	44.5742

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.3500e-003	0.0161	5.0000e-005	3.8700e-003	5.0000e-005	3.9100e-003	1.0700e-003	4.0000e-005	1.1100e-003	0.0000	4.8100	4.8100	1.2000e-004	0.0000	4.8129
Total	1.9400e-003	1.3500e-003	0.0161	5.0000e-005	3.8700e-003	5.0000e-005	3.9100e-003	1.0700e-003	4.0000e-005	1.1100e-003	0.0000	4.8100	4.8100	1.2000e-004	0.0000	4.8129

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3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4424					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8800e-003	0.0329	0.0489	8.0000e-005		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	6.8938	6.8938	3.9000e-004	0.0000	6.9035
Total	0.4473	0.0329	0.0489	8.0000e-005		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	6.8938	6.8938	3.9000e-004	0.0000	6.9035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.4800e-003	0.0177	6.0000e-005	6.5100e-003	5.0000e-005	6.5600e-003	1.7300e-003	5.0000e-005	1.7700e-003	0.0000	5.2910	5.2910	1.3000e-004	0.0000	5.2942
Total	2.1300e-003	1.4800e-003	0.0177	6.0000e-005	6.5100e-003	5.0000e-005	6.5600e-003	1.7300e-003	5.0000e-005	1.7700e-003	0.0000	5.2910	5.2910	1.3000e-004	0.0000	5.2942

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3.7 Architectural Coating - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4424					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	0.0366	0.0495	8.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	6.8938	6.8938	3.9000e-004	0.0000	6.9035
Total	0.4440	0.0366	0.0495	8.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	6.8938	6.8938	3.9000e-004	0.0000	6.9035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.4800e-003	0.0177	6.0000e-005	4.2500e-003	5.0000e-005	4.3000e-003	1.1700e-003	5.0000e-005	1.2200e-003	0.0000	5.2910	5.2910	1.3000e-004	0.0000	5.2942
Total	2.1300e-003	1.4800e-003	0.0177	6.0000e-005	4.2500e-003	5.0000e-005	4.3000e-003	1.1700e-003	5.0000e-005	1.2200e-003	0.0000	5.2910	5.2910	1.3000e-004	0.0000	5.2942

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Elementary School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	329.0325	329.0325	7.7700e-003	1.6100e-003	329.7059
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	329.0325	329.0325	7.7700e-003	1.6100e-003	329.7059
NaturalGas Mitigated	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936
NaturalGas Unmitigated	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936

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5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	946213	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	946213	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	538613	299.9870	7.0900e-003	1.4700e-003	300.6009
Parking Lot	52150	29.0455	6.9000e-004	1.4000e-004	29.1050
Total		329.0325	7.7800e-003	1.6100e-003	329.7059

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	538613	299.9870	7.0900e-003	1.4700e-003	300.6009
Parking Lot	52150	29.0455	6.9000e-004	1.4000e-004	29.1050
Total		329.0325	7.7800e-003	1.6100e-003	329.7059

6.0 Area Detail

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6.1 Mitigation Measures Area

Use Electric Leafblower

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3830	3.0000e-005	2.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7200e-003	5.7200e-003	1.0000e-005	0.0000	6.0700e-003
Unmitigated	0.3831	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9600e-003	5.9600e-003	2.0000e-005	0.0000	6.3500e-003

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0442					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3386					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9600e-003	5.9600e-003	2.0000e-005	0.0000	6.3500e-003
Total	0.3831	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9600e-003	5.9600e-003	2.0000e-005	0.0000	6.3500e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0442					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3386					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	3.0000e-005	2.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7200e-003	5.7200e-003	1.0000e-005	0.0000	6.0700e-003
Total	0.3830	3.0000e-005	2.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7200e-003	5.7200e-003	1.0000e-005	0.0000	6.0700e-003

7.0 Water Detail

McKinley Elementary Modernization - Los Angeles-South Coast County, Annual

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	57.9533	0.0701	1.9000e-003	60.2737
Unmitigated	64.6742	0.0875	2.3400e-003	67.5588

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7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.440848	2.7279	6.0000e-005	1.0000e-005	2.7335
Elementary School	2.63814 / 6.78379	61.9463	0.0874	2.3300e-003	64.8253
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		64.6742	0.0875	2.3400e-003	67.5588

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.413956	2.5615	6.0000e-005	1.0000e-005	2.5667
Elementary School	2.11051 / 6.36998	55.3918	0.0701	1.8900e-003	57.7070
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		57.9533	0.0701	1.9000e-003	60.2737

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8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.0069	0.7096	0.0000	29.7466
Unmitigated	24.0138	1.4192	0.0000	59.4933

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Elementary School	118.27	24.0077	1.4188	0.0000	59.4782
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		24.0138	1.4192	0.0000	59.4933

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.015	3.0400e-003	1.8000e-004	0.0000	7.5400e-003
Elementary School	59.135	12.0039	0.7094	0.0000	29.7391
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		12.0069	0.7096	0.0000	29.7466

McKinley Elementary Modernization - Los Angeles-South Coast County, Annual

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation



McKinley Avenue Elementary School

Historical Resources Evaluation Report

prepared for

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

Contact: Gwenn Godek
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June 2018

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Appendices

Appendix A Resource Records

1 Executive Summary

Rincon Consultants, Inc. (Rincon) was retained by the Los Angeles Unified School District (LAUSD) to complete a historical resources evaluation of the McKinley Avenue Elementary School campus (subject campus), located at 7812 McKinley Avenue, Los Angeles, California. The subject campus is located in the Florence neighborhood in South Los Angeles. Initially developed in 1925, the campus occupies a 4.22-acre rectangular parcel and contains 21 buildings and structures, including eight permanent and 13 portable buildings and structures.

This evaluation was prepared to inform future planning efforts and to facilitate compliance with LAUSD's cultural resource policies and the California Environmental Quality Act (CEQA), which requires lead agencies to consider the impacts of proposed projects on historical resources. All work completed as part of the current effort was conducted in accordance with the requirements of CEQA and applicable local regulations. The current study included background research, an intensive-level field survey, and preparation of this Historical Resources Evaluation Report.

Based on the current study, McKinley Avenue Elementary School and its buildings are recommended ineligible for federal, state, or local designation under any applicable criteria. The extant structures from 1925 and 1929 were heavily modified following the 1933 Long Beach earthquake and as a result, do not appear to meet the registration requirements outlined in *Los Angeles Unified School District Historic Context Statement, 1870 to 1969* for pre-1933 Long Beach earthquake schools.¹ Although the Administrative Building was previously found to be significant for its representation of the district's response to the 1933 Long Beach earthquake, extensive research has been completed on the subject of LAUSD schools that has resulted in a broader understanding of the historic context and significance of these property types. As a result, the seismic upgrades that occurred at McKinley Avenue Elementary School following the Long Beach earthquake were not unique among facilities owned by the LAUSD during this period (due to the Field Act of 1934, the same seismic upgrades were carried out extensively throughout the district). The subject campus also includes a number of buildings that were developed after World War II, but they were constructed intermittently over a period of 40 years and are not representative of LAUSD postwar era design principles. The campus does not appear eligible for federal, state, or local designation under any applicable criteria and is not considered a historical resource for the purposes of CEQA.

Rincon Senior Architectural Historian Steven Treffers served as the project lead, with oversight and quality assurance/quality control provided by Architectural History Program Manager Shannon Carmack. Additional assistance was provided by Rincon architectural historians Rachel Perzel and Susan Zamudio-Gurrola. All of these individuals meet and exceed the Secretary of the Interior's Professional Qualifications Standards for Architectural History and History.

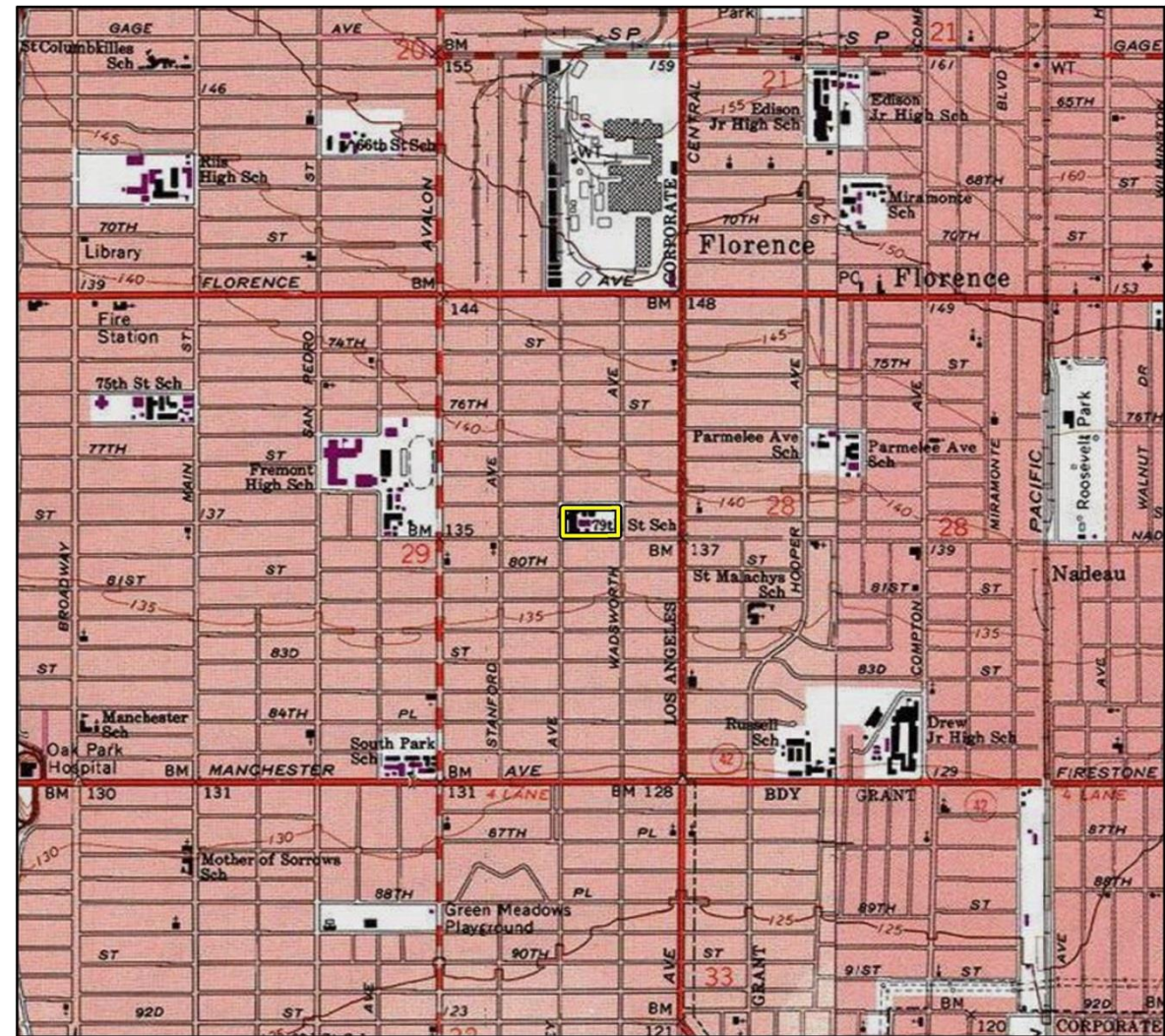
¹ Sapphos Environmental, Inc. *Los Angeles Unified School District Historic Context Statement, 1870 to 1969* (Los Angeles Unified School District, Office of Environmental Health and Safety, March 2014).

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2 Introduction

McKinley Avenue Elementary School is located on a level site in the Florence neighborhood of South Los Angeles, situated 1.7 miles east of Interstate 110 and 3 miles north of Interstate 105 (Figure 1). The school includes 20 buildings on a single 4.2-acre parcel (Figure 2). The entrance faces McKinley Avenue, which makes up its western boundary. The campus is bounded by East 78th Street on the north, East 79th Street on the south, and Wadsworth Avenue on the east. The surrounding area is predominantly residential, with a commercial property at the intersection of McKinley Avenue and East 79th Street.

Figure 1 Vicinity Map



Imagery provided by National Geographic Society, ESRI and its licensors © 2017. Inglewood Quadrangle, T02S R13W S29. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.

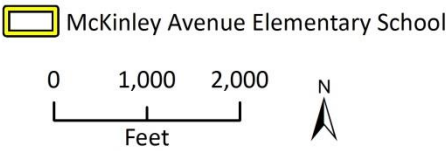


Figure 2 Location Map

Imagery provided by Google and its licensors © 2017.
Additional data provided by LA Unified School District, 2017.

2.1 Regulatory Framework

CEQA requires lead agencies to consider the impacts of proposed projects on historical resources. Under CEQA, historical resources are defined properties listed in, or eligible for listing in, the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), or a local register. Eligible resources may include buildings, sites, structures, objects, cultural landscapes, and historic districts. Properties that are listed in the NRHP or found eligible for the NRHP through consensus with the State Office of Historic Preservation are automatically listed in the CRHR. Federal, state, and local designation criteria are presented below.

National Register of Historic Places

The NRHP was established by the National Historic Preservation Act (NHPA) of 1966 as “an authoritative guide to be used by federal, state, and local governments, private groups and citizens to identify the nation’s cultural resources and to indicate what properties should be considered for protection from destruction or impairment.”² The NRHP recognizes properties that are significant at the national, state, and local levels. To be eligible for listing in the NRHP, a resource must be significant in American history, architecture, archaeology, engineering, or culture. A property is eligible for the NRHP if it is significant under one or more of the following criteria:

- **Criterion A.** It is associated with events that have made a significant contribution to the broad patterns of our history.
- **Criterion B.** It is associated with the lives of persons who are significant in our past.
- **Criterion C.** It embodies the distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.
- **Criterion D.** It has yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting at least one of the above designation criteria, resources must also retain integrity, or enough of their historic character or appearance, to be “recognizable as historical resources and to convey the reasons for their significance.”³ The National Park Service recognizes seven aspects or qualities that, considered together, define historic integrity. To retain integrity, a property must possess several, if not all, of these seven qualities, defined as follows:

1. **Location.** The place where the historic property was constructed or the place where the historic event occurred
2. **Design.** The combination of elements that create the form, plan, space, structure, and style of a property
3. **Setting.** The physical environment of a historic property
4. **Materials.** The physical elements combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property

² Code of Federal Regulations 36, Code of Federal Regulations 60.2.

³ California Office of Historic Preservation, “California Register and National Register: A Comparison (for Purposes of Determining Eligibility for the California Register),” Technical Assistance Series No. 6. (Sacramento, CA, 14 March 2006).

5. **Workmanship.** The physical evidence of the crafts of a particular culture or people during any given period in history or prehistory
6. **Feeling.** A property's expression of the aesthetic or historic sense of a particular period of time
7. **Association.** The direct link between an important historic event or person and a historic property⁴

California Register of Historical Resources

Created in 1992 and implemented in 1998, the CRHR is “an authoritative guide in California to be used by state and local agencies, private groups, and citizens to identify the state’s historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change.”⁵ Certain properties, including those listed in or formally determined eligible for listing in the NRHP and California Historical Landmarks numbered 770 and higher, are automatically included in the CRHR. Other properties recognized under the California Points of Historical Interest program, identified as significant in historical resources surveys, or designated by local landmarks programs may be nominated for inclusion in the CRHR. According to PRC Section 5024.1(c), a resource, either an individual property or a contributor to a historic district, may be listed in the CRHR if the State Historical Resources Commission determines that it meets one or more of the following criteria, which are modeled on NRHP criteria:

- **Criterion 1.** It is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage.
- **Criterion 2.** It is associated with the lives of persons important in our past.
- **Criterion 3.** It embodies the distinctive characteristics of a type, period, region, or method of installation, or represents the work of an important creative individual, or possesses high artistic values.
- **Criterion 4.** It has yielded or may be likely to yield information important in prehistory or history.

It is possible that a resource that does not possess sufficient integrity for NRHP listing may still be eligible for the CRHR. Furthermore, while typically NRHP eligibility requires a property to be at least 50 years of age, there is no age requirement for listing in the CRHR. Rather, regulations specify that enough time must have passed for a property to be evaluated within its historic context.

Los Angeles Historic-Cultural Monuments

Local landmarks in the city of Los Angeles are known as Historic-Cultural Monuments and are under the aegis of the Los Angeles Planning Department, Office of Historic Resources. A Historic Cultural Monument is defined in the Cultural Heritage Ordinance as follows:

Historic-Cultural Monument (Monument) is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles, including historic structures or sites in which the broad cultural, economic or social history of the nation, State or community is reflected or exemplified; or which is identified

⁴ U.S. Department of the Interior, National Park Service. “How to Apply the National Register Criteria for Evaluation,” *National Register Bulletin* No. 15 (Washington D.C., 2002).

⁵ Public Resources Code, Sections 21083.2 and 21084.1.

with historic personages or with important events in the main currents of national, State or local history; or which embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period, style or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.⁶

LAUSD Historic Context Statement, 1870 to 1969

In addition to using all applicable criteria of significance, this evaluation utilized the methodology and framework for evaluations described in the 2014 *LAUSD Historic Context Statement*. Adopted by the LAUSD Board of Education, the *LAUSD Historic Context Statement* offers a consistent, standard approach for evaluating schools and campuses throughout the district. The document utilizes the NRHP Multiple Property (MPD) Documentation format, which provides a comparative, context-driven framework for evaluating related properties. As discussed in that document, “the MPD approach defines themes of significance, eligibility standards, and related property types. Properties sharing a theme of significance are then assessed consistently, in comparison with resources that share similar physical characteristics and historical associations.”⁷

2.2 Methods

This historical resources evaluation was completed in accordance with recognized professional standards, following the Secretary of the Interior’s Standards for Preservation Planning, Identification, Evaluation and Registration; California Office of Historic Preservation; and National Park Service professional standards and guidelines. Applicable national, state, and local level criteria were considered, as were the context-driven methods and framework used in the *LAUSD Historic Context Statement* and other applicable historic context statements, including SurveyLA, the citywide historic resources survey conducted by the Los Angeles Office of Historic Resources.⁸

Efforts were made to identify previous historical resource evaluations of the subject campus and other related LAUSD schools. This included a records search of the California Historical Resources Information System, conducted at the South Central Coastal Information Center at California State University, Fullerton in June 2017. The California Historical Resources Information System search reviewed the combined listings of the NRHP, CRHR, California State Historical Landmarks, California Points of Historical Interest, and California Historic Resources Inventory. In addition, the findings of the following surveys were reviewed:

- Post-1994 Northridge Earthquake Historical Resources Surveys: These surveys were conducted for the Federal Emergency Management Agency in support of compliance with Section 106 of the National Preservation Act and recorded 71 LAUSD campuses.

⁶ Los Angeles Municipal Code, Section 22.171.7, added by Ordinance No. 178,402, Effective 4-2-07

⁷ Sapphos Environmental, Inc. *Los Angeles Unified School District: Historic Context Statement, 1870 to 1969* (Los Angeles Unified School District Office of Environmental Health and Safety, March 2014).

⁸ Ibid; As part of SurveyLA, the Los Angeles Department of City Planning Office of Historic Resources has been developing a citywide historic context statement, which provides a framework for identifying and evaluating the city’s historic resources; see Los Angeles Department of City Planning Office of Historic Resources, “SurveyLA, Historic Context,” <https://preservation.lacity.org/historic-context> (accessed 2 October 2017).

- Phase 1 and 2 Getty Surveys: These surveys were conducted in two multi-year phases between 2001 and 2004 and expanded on the post-Northridge Earthquake surveys, covering approximately 410 LAUSD campuses.⁹
- 2014 LAUSD Historic Resources Survey: Completed in 2014, this historic resources survey included 55 LAUSD campuses that the time of survey, were over 45 years of age. Of these 14 were found eligible for NRHP and/or CRHR listing.¹⁰
- SurveyLA: A multi-year, citywide historical resources survey that is currently being finalized by the Los Angeles Office of Historic Resources.

Property-specific research was also conducted to document the construction and alteration history of the subject campus and to explore potential significant associations. A package of historic aerial and topographic maps and Sanborn Fire Insurance Maps for the property was acquired from Environmental Data Resources. Other sources reviewed include the combined collections of ProQuest historical newspapers, historic *Los Angeles Times*, Los Angeles Public Library (including the California Index), University of Southern California Libraries and Special Collections, and the online photographic collection of the Huntington Library and yearbooks at Classmates.com. Rincon staff also reviewed Vault Drawings on file with LAUSD, which include architectural plans and drawings detailing the construction and alteration histories of the subject campus and its buildings.

Shannon Carmack and Rachel Perzel conducted an intensive-level survey of the subject campus on August 31, 2017. All buildings and structures on the subject campus were photographed and documented in field notes describing character-defining features, materials, and alterations. The survey included the exteriors and interiors of campus buildings.

The campus and its buildings were recorded on California Department of Parks and Recreation (DPR) 523 series forms, which are included in Appendix A of this report.

The subject campus was evaluated for listing in the NRHP, CRHR, and local designation using applicable criteria, and the consistent framework and registration requirements of the *LAUSD Historic Context Statement*. Campus buildings were considered both individually as well as collectively as potential historic districts.

For buildings found to meet federal, state, and/or local designation criteria, an integrity assessment was prepared in Section 7 of this report to determine if they are able to convey their significance. The analysis considered the seven aspects of integrity as defined by the National Park Service and include a detailed explanation of why and how a property does or does not retain integrity. An integrity assessment was not completed for those buildings that did not appear to meet applicable designation criteria.

2.3 Previous Historical Resource Surveys

McKinley Avenue Elementary School was previously evaluated by the City of Los Angeles, Bureau of Engineering in 1982. At that time, the Administrative Building was assigned a National Register Status Code of 4S, “may become eligible for National Register of a separate property,” for its exemplification of the “urgent measures taken by the Los Angeles Unified School District to

⁹ Leslie Heumann, Science Applications International Corporation, “Historic Resources Survey of the Los Angeles Unified School District,” (Pasadena, CA, 2002-2004).

¹⁰ Sapphos Environmental, Inc., *LAUSD Historic Context Statement*.

reconstruct existing school buildings after the devastating Long Beach Earthquake of 1933.”¹¹ Following the establishment of the California Historical Resources Status Code system in 2003 and 4S status codes were converted to 7N, indicating that the property should be reevaluated.

The subject campus is located in the Southeast Los Angeles Community Plan Area (CPA), an area that was surveyed in 2012 as part of SurveyLA, the citywide survey recently concluded by the Los Angeles Office of Historic Resources.¹² SurveyLA surveyed all parcels in Los Angeles in a multi-year project. Although SurveyLA did identify several school campuses in the Southeast Los Angeles CPA as historically significant, McKinley Avenue Elementary School was not included among the eligible campuses.

In 2002, in fulfillment of a Planning Grant provided under the Preserve Initiative of the J. Paul Getty Trust, the LAUSD performed its first systematic survey in an effort to identify its historically significant school properties. McKinley Avenue Elementary School was included in this survey and found ineligible for federal, state, or local designation.

¹¹ City of Los Angeles, Bureau of Engineering, California Department of Parks and Recreation Form for the McKinley Avenue School (On file with the South Central Coastal Information Center, California State University, Fullerton, February 1, 1982).

¹² Galvin Preservation Associates, *Historic Resources Survey Report: Southeast Los Angeles Community Plan Area* (Los Angeles: City of Los Angeles Department of City Planning, Office of Historic Resources, March 2012).

3 Campus Site Description and History

3.1 Overview Description

Located in South Los Angeles in the largely residential neighborhood of Florence, McKinley Avenue Elementary School occupies one rectangular assessor's parcel totaling 4.22 acres. The campus is bound by 78th Street to the north, 79th Street to the south, McKinley Avenue to the west, and Wadsworth Avenue to the east. It includes eight permanent and 13 portable buildings and structures. Dates of construction span from 1925 to 1975 for permanent developments, with portables added to the campus as necessary, primarily in the 1980s and 1990s (Figure 3). Permanent campus buildings are organized in two rows on the western half of the parcel with portable buildings on the eastern half. Landscaping is largely limited to a lawn with some mature trees along the western edge campus with the remaining groundcover consisting primarily of asphalt.

The oldest buildings on campus are located along its western edge. Set back from McKinley Avenue by a lawn area, these three buildings include the centrally sited Administrative Building, constructed in 1925, flanked to the north by the Assembly Building and to the south by Kindergarten #1, both constructed in 1929. Primary public entry to the campus is through the Administrative Building where double wood doors are centrally located in an entry projection. Kindergarten #1 and the Administrative Building are joined via a two-story exterior corridor; the Assembly and Administrative buildings are joined via an elevator shaft.

As initially designed, each of the buildings featured a Renaissance-Revival architectural style, including ornate cast stone ornament, decorative quoins, and brick cladding. Each of these buildings was extensively damaged in the 1933 Long Beach earthquake and substantially altered as a result. Nearly all of the Renaissance-Revival design elements were removed, and the buildings were given a minimalistic Moderne appearance through the application of gunite, cement plaster, and shallow columns to exterior walls. While originally three stories, the Administrative Building was reduced to two stories, making it consistent with the adjacent Assembly and Kindergarten #1 buildings. Windows and doors on these buildings have also been replaced and consist of one-over-one windows and metal-clad doors.

To the east of the 1920s buildings, a secondary grouping of three additional permanent buildings were added to the campus in the postwar period to meet increased demand. From north to south, these include the Cafeteria (1958), the Kindergarten #2 Building (1962), and the Classroom Building (1968). These modestly designed buildings feature the minimal elements of Mid-Century Modernism, including flat or slightly-pitched gable roofs, smooth stucco surfaces, and a general lack of ornamentation. The Cafeteria and Kindergarten #2 Building are one story while the Classroom Building is two stories; all are rectangular in plan. Windows are generally multi-light double-hung with metal sash, and doors are metal.

Aside from a small utilitarian storage building, the remaining buildings on the campus are rectangular-planned portable buildings, primarily providing classroom space. They are sited in two, inward facing rows with a large paved area occupying the space between them. A parking lot is located to the northeast, and the entire campus is enclosed with metal fencing.

Figure 3 Campus Map



Table 1 McKinley Avenue Elementary School Buildings

No.	Name	Type	Year Built
1	Kindergarten #1 Building	Permanent	1929
2	Administrative Building	Permanent	1925
3	Assembly Building	Permanent	1929
4	Cafeteria Building	Permanent	1958
5	Two/Three Unit Relocatable	Portable	1961
6	Classroom Building	Permanent	1968
7	Kindergarten #2 Building	Permanent	1962
8	Storage Unit	Permanent	1975
9	Single Unit Modular	Portable	1987
10	Single Unit Modular	Portable	1987
11	Single Unit Modular	Portable	1987
12	Single Unit Modular	Portable	1987
13	Single Unit Modular	Portable	1987
14	Single Unit Modular	Portable	1987
15	Double Unit Modular	Portable	N/A
16	Double Unit Modular	Portable	1998
17	Double Unit Modular	Portable	1996
18	Relocatable Sanitary Building	Portable	N/A
19	Double Unit Modular	Portable	1998
20	Double Unit Modular	Portable	1998
21	Lunch Shelter	Permanent	Circa 2009

Figure 4 Administrative Building on Left and Kindergarten Building on Right, West Elevations



Figure 5 Administrative Building, West Elevation



Figure 6 Kindergarten #1 Building, West and South Elevations



Figure 7 Assembly Building, West Elevation



Figure 8 Cafeteria Building, East Elevation



Figure 9 Classroom Building, East Elevation



Figure 10 Kindergarten # 2 Building, South Elevation



3.2 Site History and Construction Chronology

Located in the Southeastern Los Angeles CPA neighborhood of Florence, the present McKinley Avenue Elementary School was founded in 1925 as 70th Street School. A 1923 aerial photograph indicates that development was limited at the present site of McKinley Elementary School and its immediate vicinity, possibly consisting of farmland. Los Angeles' prodigious population growth in the late-19th and early-20th centuries, along with the installation of an extensive streetcar network, allowed for suburban expansion into the present Southeast CPA. By the 1920s, areas south of Slauson Avenue, including the Florence neighborhood, began to see the development of suburban neighborhoods consisting chiefly of single-family homes.¹³ Residential development had taken place approximately one block to the west, suggesting that development was progressing eastward at the time.¹⁴ This conclusion is consistent with a 1923 USGS topographical map that depicts relatively dense development in the areas two to three blocks east and west of the school site.¹⁵

McKinley Avenue School opened in 1925, following completion of the Administrative Building (Figure 11). Erected to serve the residential area that had begun to grow around the school site, the school's construction was part of a broader building program intended to serve the fast-growing Los Angeles region. Designed in the Renaissance Revival style by Hudson & Munsell, the building was three stories and constructed of unreinforced-brick masonry. By 1928, historic aerial photographs indicate the streets surrounding the McKinley parcel was fully gridded and lined with residential development. At that time, the school occupied the western half of the current-day McKinley campus, while the eastern half was occupied with residential development consistent with that of the surrounding area.¹⁶ In order to accommodate the growing neighborhood, school officials authorized the construction of two additional campus facilities, the Assembly and Kindergarten buildings, both designed by Hudson & Munsell and completed in 1929 (Figure 12).¹⁷ The addition of the two-story, semi-attached wings created an overall U-shaped plan for the school site. At the time, school designers favored U-, H-, L-, and T-shaped layouts as a means of making school plans "more open and interconnected, with more transparency and spatial complexity—both inside and out."¹⁸ The phased construction of McKinley Avenue School's physical plant represented a common approach to building Los Angeles schools in the 1920s, a practice explained in the *LAUSD Historic Context Statement*:

Construction generally unfolded in phases as school enrollment grew. Between the mid-1910s and 1930, elementary schools, for example, were typically constructed in three stages. The first stage usually brought an administrative office, the flagship building of the school, as well as a kindergarten and a nine-classroom wing. The second stage took place once enrollment reached 400, with the addition of more classrooms, facilities for home economics and manual education, and a cafeteria. When enrollment reached 900, the third stage took place, which usually brought a new auditorium, classrooms, or other service

¹³ Los Angeles, City of. 2012. *Southeast Los Angeles Community Plan Area*. Survey LA-Historic Resources Survey Report. Department of City Planning. Prepared by Galvin Preservation Associates. El Segundo, CA. March, 2012.

¹⁴ Environmental Data Resources, Inc. (EDR). 2017. EDR Aerial Photo Decade Package Report: McKinley Ave ES. Shelton, CT. June 20.

¹⁵ Environmental Data Resources, Inc. (EDR). 2017. EDR Historical Topo Map Report: McKinley Ave ES. Shelton, CT. June 20.

¹⁶ Environmental Data Resources, Inc., Aerial Photo Decade Package Report.

¹⁷ Environmental Data Resources, Inc. (EDR). 2017. Certified Sanborn Map Report: McKinley Ave ES. Shelton, CT. June 20; Los Angeles Unified School District (LAUSD). 2017. Vault Drawings: 1924-1985. From LAUSD Facilities Site Portal: Site 13506: McKinley ES. Los Angeles, CA. July 25, 2017.

¹⁸ Sapphos Environmental, Inc., 35.

rooms as needed. Kindergartens tended to be self-contained and separate from other classes.¹⁹

Figure 11 Circa-1925 Aerial Photograph of the Administrative Building



¹⁹ Sapphos Environmental, Inc., 41.

Figure 12 Circa-1929 Aerial Photograph of McKinley Avenue School Following the Addition of the Assembly and Kindergarten Buildings



The 1933 Long Beach earthquake, proved to be one the decade's most significant events for the Los Angeles region's built environment and resulted in the destruction of 40 unreinforced masonry school buildings and the removal of all damaged or "precariously placed" chimneys, parapets, fire walls, and ornamentation.²⁰ Moreover, the seismic event prompted officials to implement remediation measures at the federal, state, and local levels of government through legislation. For its part, the state of California passed the Field Act, which is explained in the *LAUSD Historic Context Statement*:

The law directed the state Division of Architecture to design and enforce regulations to ensure earthquake-resistant buildings. State oversight and implementation of building codes/construction inspections were also established. Additionally, the City of Los Angeles Board of Education ... revisited its own building codes. Post-1933 elementary school buildings were not to exceed one story in height, and high school buildings were limited to two stories (this would change over time, given the tremendous demand for classroom space in the postwar period and relative scarcity and expense of large lots). New buildings

²⁰ Sapphos Environmental, Inc., 62.

incorporated the latest construction techniques and prominently showcased the use of modern materials such as steel and reinforced concrete.²¹

McKinley Avenue Elementary School was one of many campuses in the school district that required reconstruction and/or rehabilitation in the aftermath of the Long Beach earthquake. To fund the district-wide construction program, the PWA purchased \$5.3 million in unsold bonds and granted additional matching funds for reconstruction efforts, with a total of \$12.1 million ultimately raised for the 1930s reconstruction effort. The *LAUSD Historic Context Statement* states that:

as the school reconstruction program progressed, final steps included reinforcing or replacing 132 unreinforced masonry buildings, strengthening 275 buildings constructed since 1927, replacing 51 wood-frame buildings, and eliminating all temporary classroom housing. By 1937, over \$34 million had been spent on post-earthquake school construction, repairs, retrofitting, and rehabilitation. The advent of World War II put substantial investments in schools on hold [after war's end, a \$75 million bond issue kick-started these efforts].²²

In October of 1933, the district launched a structural rehabilitation program that was implemented in two parts and consisted of the rehabilitation of existing school structures and the construction of buildings to conform to “the new building codes devised to make structures capable of resisting stresses many times more severe than any other ever experienced in the region.”²³ The first phase of the program was estimated to cost \$10,000,000 with an additional \$22,532,000 made available by a bond issue and federal loans. The second phase cost an estimated \$32,530,000.²⁴

As with many Los Angeles institutions, the 1933 Long Beach earthquake inflicted severe damage at the McKinley Avenue campus. The *Los Angeles Times* headline from a March 13, 1933 article read “Danger of main building collapsing. Walls out of line.”²⁵ The earthquake damage to the Administrative Building was so severe, the Board of Education authorized the prompt removal of the building’s roof and third floor. In the months that followed the earthquake, the Board of Education debated a petition to raze the Administration Building entirely, but ultimately decided to retrofit all three buildings instead.²⁶ Students were allowed to enter the Kindergarten #1 and Assembly buildings by late April 1933, while the Administrative Building remained condemned.²⁷ One of the campus’ original architects, Frank Hudson, was retained independently to develop the retrofit plans. Each of the 1920s buildings was strengthened with steel structural elements and the application of a 4-inch-thick layer of “earthquake resistive” gunite, and decorated with minimal Moderne-style elements.²⁸ In addition, the third story of the Administrative of the building was removed, reducing it to two stories.

Depicted in a 1938 aerial photograph are four freestanding buildings that no longer exist, three in line behind the Assembly Building at the north of the lot and one in the location of the current day

²¹ Sapphos Environmental, Inc., 63.

²² Sapphos Environmental, Inc., 64-65

²³ 1935. *Los Angeles Times*. Huge School Construction Program Here Spurred; Structures Take Form. January 13.

²⁴ 1935. *Los Angeles Times*. New Building Program for Schools Launched. December 8.

²⁵ 1933. *Los Angeles Times*. All City Schools Will Be Thoroughly Inspected Before Children Allowed to Enter. March 13.

²⁶ 1933. *Los Angeles Times*. Buildings Ordered Razed. April 18; 1933. *Los Angeles Times*. Decision Delayed on Wrecking of School Building. April 28.

²⁷ Ibid.

²⁸ Los Angeles Unified School District, Vault Drawings; Environmental Data Recourses Inc., Certified Sanborn Map Report.

cafeteria building. A 1950 Sanborn map suggests that the three structures situated along the northern property line were a restroom, an open-air lunch shelter, and a one-story classroom building. No available records indicate any significant building at the McKinley Avenue campus during World War II. By 1958, all four of the minor buildings depicted in the 1938 photo had been removed from the parcel.

Following World War II, the postwar baby boom strained the Los Angeles public school system's ability to accommodate the city's growing school-age population. The relative austerity of wartime gave way to a significant financial investment in the Los Angeles-area schools, as school officials attempted to address growing demand for school services. The *LAUSD Historic Context Statement* states:

In 1949–1950, enrollment at U.S. elementary and secondary schools stood at 25.1 million. In one decade, this number expanded by nearly 50 percent to approximately 36 million; by 1971, it reached 46 million. In 1955, in the midst of this boom, “editors at the Architectural Forum worried, ‘every 15 minutes enough babies are born to fill another classroom and we are already 250,000 classrooms behind.’ The rising population of young American children made school building, together with housing, the most widely discussed architectural challenge after World War II.”

Perhaps in no other state of the union was this growth felt more acutely than in California. The booming birth rate was accompanied by a wave of in-migration, as new settlers were drawn by established employment centers in, among other things, the aerospace industry, which had shifted operations to peacetime production...

School districts around the country struggled to keep up with unprecedented demand and overcrowded classrooms. Adding to the challenges facing school districts was the need not only for new schools, in particular in emerging suburban communities, but also the need to repair and maintain aging school plants, facilities, and equipment.²⁹

In response to these pressures, the Board of Education submitted, and voters approved, a series of three school bonds, starting in 1946, to finance both the construction of new facilities and improvements at existing campuses. The 1946 bond issue alone raised \$76 million, financing the construction of 66 new schools. These measures were insufficient, however, and the Board issued two subsequent bonds in 1952 and 1955.³⁰

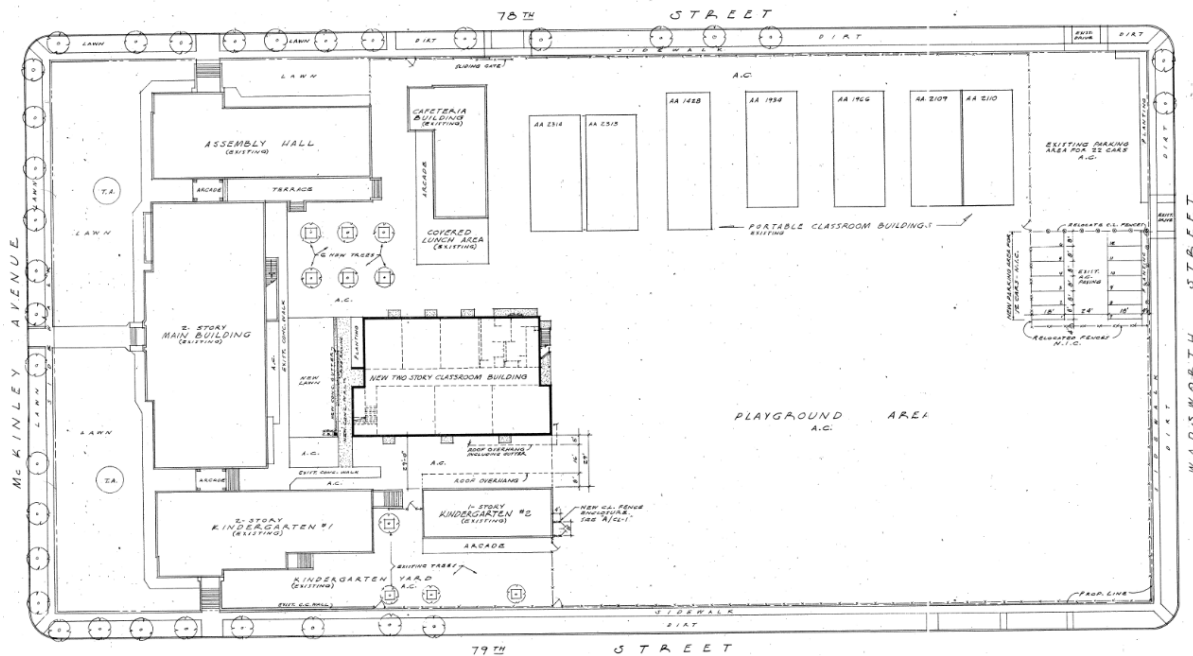
In the decades following World War II, officials expanded McKinley Elementary School's campus in order to address the city's growing student population. Between 1952 and 1963, the residential development on the eastern half of the lot was removed to accommodate the campus expansion. Three permanent buildings were erected on the campus during the late 1950s and 1960s, including the Cafeteria Building in 1958 and a second Kindergarten Building in 1962; the architects of these buildings could not be ascertained. A new two-story utilitarian Classroom Building opened in 1968, situated between the 1962 Kindergarten Building and the Cafeteria and designed by architect Anthony Thormin.³¹ Five rectangular-massed buildings were also added to the northern edge of the campus during the late 1960s, but have since been removed (Figure 13).³²

²⁹ Sapphos Environmental, Inc., 71.

³⁰ Sapphos Environmental, Inc., 102.

³¹ Los Angeles Unified School District, Vault Drawings (Classroom Building, 79th Street School, 1967).

³² Environmental Data Recourses Inc., Aerial Photo Decade Package Report Aerial Photo Report (1958 and 1962 photographs).

Figure 13 Detail of 1967 plot plan of McKinley Avenue School.

Aerial photographs indicate the campus remained relatively unchanged throughout the 1970s and early 1980s. In 1985, district officials authorized alterations to the Administrative, Assembly, and Kindergarten #1 buildings. The most significant changes were to the interiors of the buildings, including the modernization of floors, ceilings, and cabinetry.³³ Temporary, portable structures were added to the rear (east) of the campus between 1987 and 2009. They line the north and south edges of the campus.³⁴ The area surrounding the school remains predominantly residential, as it has been since the mid-1920s.

³³ Los Angeles Unified School District, Vault Drawings (Reconstruction of Kindergarten #1 and Assembly Hall Buildings and Reconstruction of Main Building -1985).

³⁴ Environmental Data Recourses Inc., Aerial Photo Decade Package Report Aerial Photo Report.

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4 Historic Overview

4.1 Focused Neighborhood History

McKinley Avenue Elementary School is in the Florence neighborhood of the Southeast Los Angeles CPA, surveyed in 2015 as part of SurveyLA. A historic overview of the CPA was developed as part of the 2015 survey report, which is partially excerpted below to provide a neighborhood context for the subject campus.

The Southeast Los Angeles CPA developed in a southward pattern beginning in the late 19th century, as the city's growing network of streetcars allowed for development outside the historic city center. Though the area north of Slauson Boulevard was largely built out by the late 1910s, at this time the land to the south was still largely undeveloped and relatively remote. Much of it was used for vegetable and fruit cultivation by Chinese and Japanese residents. In 1903, however, a group of investors evicted the farmers and constructed the Ascot Park horse racing track at generally the area south of Slauson Boulevard and east of Avalon Boulevard. Referred to as being located in the "no man's land" on the skinny stretch of territory "running from Los Angeles to the sea," Ascot Park quickly became known as a notorious den of gambling and drinking. Its investors hoped to incorporate the area, and though unsuccessful, the larger area was known as Ascot Park until the late teens when the park (which converted to automobile racing from horse racing in the late 1900s) was dissolved altogether. The removal of the vast acreage of Ascot Park freed the land for residential and industrial development, which ensued at a monumental pace south of Slauson Boulevard in the 1920s.

The Southeast Los Angeles CPA became the center of the city's African American community during the first half of the 20th century. The African American community in Los Angeles was first concentrated in the historic city center, around the neighborhood that is now Little Tokyo. As the community grew, it began moving south after the turn of the 20th century. Central Avenue was the primary thoroughfare around which this movement and development was centered, and blacks created a vibrant community there. By the late 1920s, the area had become home to jazz clubs, a vibrant social scene and nightlife, as well as black-owned businesses.

During this time, the area remained racially and ethnically diverse. Despite the increasing concentration of African Americans, they remained in the minority. Whites, Asians, and Hispanics made up the remaining portion of the area's population during this period. It was not until the 1930s that the demographics in the area began to shift as these groups moved out of the area, and blacks became an increasing percentage of the population. Large numbers of African Americans moved to Los Angeles in the late 1920s and 1930s, drawn by the promise of jobs and homeownership. Prevented from moving farther west by racially restrictive covenants, they moved into the neighborhoods of Southeast Los Angeles. By 1940, for example, the neighborhood of Watts was 35 percent African American. As the black population increased, tensions rose between the black community in Watts and the white communities in adjacent areas. Racial covenants became enforced more fiercely as African Americans became a more noticeable presence in the city and Anglo Americans attempted to maintain their separation. Blacks became restricted to the area between Alameda Street on the east, San Pedro Street on the west, and Slauson Avenue on the

south. Those who attempted to move outside this proscribed area met with resistance, at times intimidating and violent.

The advent of World War II brought about an explosion in the city's population. The area became overcrowded as people flooded into the city seeking jobs in the defense industry, but the boundaries of the area around Central Avenue remained enforced by restrictive covenants. The postwar era continued these trends. It was in the postwar era that Central Avenue began its decline in earnest as overcrowding and deteriorating conditions brought about by the influx of migrants during the war only worsened. Middle-class blacks began moving out of the area after racial covenants were struck down by the Supreme Court case *Shelley v. Kraemer* in 1948, and the center of the prosperous black community shifted westward. In the decades after World War II, movement into the area continued, and the population became ever-increasingly African American. However, the notable and unifying businesses and institutions that had existed along Central Avenue moved westward as well, leaving the community around Central Avenue underserved and lacking in businesses and institutions.³⁵

³⁵ Los Angeles, City of. 2012. *Southeast Los Angeles Community Plan Area*. Survey LA-Historic Resources Survey Report. Department of City Planning. Prepared by Galvin Preservation Associates. El Segundo, CA. March, 2012.

5 Associated Design Professional Biographies

The following section presents biographies for design professionals who are known to be associated with McKinley Avenue Elementary School.

5.1 Hudson and Munsell, Architects

Consisting of partners Frank D. Hudson and William A.O. Munsell, the Los Angeles-based architectural firm Hudson & Munsell designed the Administrative, Assembly, and Kindergarten #1 buildings at McKinley Avenue Elementary School. Hudson alone is also credited with the 1930s reconstruction plans for those buildings.³⁶

Born in Oakland, California in 1868, Hudson studied architecture at the London International School. Upon graduating in 1885, Hudson returned to Northern California to begin his professional career as a draftsman in the employ of San Francisco architect William Curlett. Hudson relocated to Los Angeles in 1895, at which time he joined the firm Hudson & Krause. Within four years, Hudson partnered with Los Angeles-based Munsell and began perhaps the most productive period of his career.³⁷ Hudson died in March 1941.³⁸

Munsell was born in 1866 and spent his childhood in various locations in the Midwestern United States. He arrived in Los Angeles by 1900, when he established the architectural firm Locke & Munsell with Seymour Locke. This partnership proved short-lived, however, and within two years, Munsell went into business with Hudson. Munsell died in April 1944.³⁹

Best known for the Los Angeles County Hall of Records #1 (1927), the firm designed several Los Angeles-area institutional, commercial, and educational buildings, mostly in a variety of Eclectic Revival styles.⁴⁰ The partnership appears to have dissolved by 1934, at which time Hudson assumed sole credit for his plans for the reconstruction of McKinley Avenue Elementary School Administrative and Kindergarten #1 buildings.⁴¹

5.2 Anthony Thormin

Anthony Thormin designed the 1968 Classroom Building at McKinley Avenue Elementary School. Thormin was born in Pennsylvania on March 1, 1901. Available information offered no details regarding Thormin's education, but by 1930, he had moved to Cleveland, Ohio, where he practiced

³⁶ Los Angeles Unified School District, Vault Drawings (Administration and Kindergarten Building-1934 and Assembly Building, Plans and Elevation for 79th Street School-1935).

³⁷ 2015. Michelson, Alan. Frank Dale Hudson. Pacific Coast Architecture Database (PCAD). Accessed May 11, 2018 <<http://pcad.lib.washington.edu/person/40/>>.

³⁸ 1941. *Los Angeles Times*. Frank D. Hudson (Architect). March 18.

³⁹ 2015. Michelson, Alan. William A.O. Munsell (Architect). Pacific Coast Architecture Database (PCAD). Accessed May 11, 2018 <<http://pcad.lib.washington.edu/person/873/>>.

⁴⁰ 2015. Michelson, Alan. Hudson and Munsell (Architects-Partnership). Pacific Coast Architecture Database (PCAD). Accessed May 11, 2018 <<http://pcad.lib.washington.edu/firm/530/>>.

⁴¹ Los Angeles Unified School District, Vault Drawings (Administration and Kindergarten Building-1934).

architecture.⁴² Thormin moved to Los Angeles by 1948. That year a local telephone directory indicated his architecture practice was located on South Lafayette Park Place.⁴³ Little information regarding Thormin's architecture practice was available at the time of the present study, but articles published in the *Los Angeles Times* indicate that he designed projects for restaurants and residences.⁴⁴ Thormin died in 1985, a "lifetime member of the American Institute of Architects, past president of the Southern California MIT Club, and former Commissioner of Los Angeles City Building and Safety."⁴⁵

⁴² 1930. United States Federal Census. Accessed on May 17, 2018 at. Ancestry.com; 1935-2004. U.S. Social Security Death Index. Accessed on May 17, 2018 at. Ancestry.com.

⁴³ 1922-1995. U.S. City Directories. Accessed on May 17, 2018 at. Ancestry.com.

⁴⁴ 1956. *Los Angeles Times*. No title. January 29; 1965. *Los Angeles Times*. Remodeling Expansion Set by Restaurant. March 28; 1987. *Los Angeles Times*. Dramatic 1950's Style Home. April 19.

⁴⁵ 1985. *Los Angeles Times*. No title. February 15.

6 Significance Evaluation

This evaluation utilized the framework for historic resource assessments described in the *LAUSD Historic Context Statement*, which follows the NRHP MPD format that “defines themes of significance, eligibility standards, and related property types. Properties sharing a theme of significance are then assessed consistently, in comparison with resources that share similar physical characteristics and historical associations.”⁴⁶ In addition, this evaluation utilized the MPD-format historic context statements prepared as part of SurveyLA, which similarly identify themes of significance along with associated registration requirements.⁴⁷

In addition to each of the applicable federal, state, and local designation criteria, two evaluation frameworks and their associated eligibility standards and integrity thresholds were identified and applied to this evaluation after careful consideration of all themes and subthemes. These evaluation frameworks relate specifically to the themes of 1) Pre–1933 Long Beach Earthquake School Plants; and 2) Educating the Baby Boom: the Postwar Modern, Functionalist School Plant, 1945-1969. Both were chosen to address the two distinct phases during which the majority of the buildings on the subject campus were developed. Each building on the campus was evaluated using these frameworks for eligibility, both individually and as a contributor to any potential historic district. For buildings that were found to be potentially eligible, an integrity analysis was carried through in Section 7 to determine if the property retain sufficient integrity to convey the reasons for its significance.

Evaluation Framework 1

Theme: LAUSD | Pre–1933 Long Beach Earthquake School Plants,

Property Type: Institutional/Education

Property Subtypes: Elementary, Junior High, and High Schools Buildings and Campuses

Period of Significance: 1910–1933

Area of Significance: Education

Geographic Location: Citywide

Area of Significance: A/1

Eligibility Standards

- Embodies LAUSD school planning and design ideals and principles of the era
- One of few remaining schools from the pre–1933 Long Beach earthquake era that was not substantially altered or remodeled
- Retains most of the associative and character-defining features from the period of significance

⁴⁶ Sapphos Environmental, Inc. *LAUSD Historic Context Statement* (p. 4).

⁴⁷ Los Angeles, City of. 2016. *Field Survey Results Master Report*. Survey LA-Los Angeles Historic Resources Survey. Department of City Planning. Los Angeles, CA. August, 2016.

Character-Defining Features – Buildings/Structures

- Articulated buildings plans, facilitating the creation of outdoor spaces (often T- shaped, E- shaped, U-shaped, and H-shaped plans)
- Generally low massing, usually one to two stories (with two to three stories more common for middle and senior high schools)
- Includes designed outdoor spaces, such as courtyards and patios, adjacent to classroom wings
- Exteriors usually lined with rows of grouped windows, including wood-framed multi-light windows; expanses of windows often mark the location of classrooms
- Designed in popular period-revival styles of the era (including Spanish Colonial Revival, Renaissance Revival, Mediterranean Revival, and Collegiate Gothic)
- Often designed by prominent architects of the era

Character-Defining Features – Campus/District

- Emphasis on a more spread-out site plan, with designed outdoor spaces
- More varied collection of buildings, differentiated by function and use (rather than a single building with all functions inside)
- Might include an elaborate Administrative building, usually the focal point of the campus, as well as classroom wings, auditoriums, gymnasiums, and outdoor recreation areas
- Middle or senior high schools might include a gymnasium designed in the style of the campus overall

Integrity Considerations

- Most pre-1933 schools were substantially remodeled following the Long Beach earthquake
- Designed outdoor spaces, such as courtyards and patios, should be intact in use, if not with landscape design and hardscaping; development pressures over the years often resulted in these open spaces being in-filled with new construction; overall sense of relationship of building to designed outdoor spaces should be intact
- Should retain integrity of materials, design, workmanship, feeling, and association from its period of significance
- Intact campus groupings from a single period of time are not common
- Some materials and features may have been removed or altered
- Modern lighting and fencing of site acceptable

Evaluation Framework 2

Context:	Public and Private Institutional Development Education
Theme:	LAUSD Educating the Baby Boom: the Postwar Modern, Functionalist School Plant, 1945-1969
Property Type:	Institutional/Education
Property Subtypes:	Elementary, Junior High Schools, and High School Buildings and Campuses

Period of Significance: 1945 to 1969

Area of Significance: Education

Geographic Location: Citywide, with concentrations in the San Fernando Valley and West Los Angeles

Area of Significance: A/1

Eligibility Standards

- Clearly embodies the characteristics of a postwar modern functionalist school campus
- Displays a unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces (courtyards, patios, outdoor play areas)
- One-story massing for elementary schools; up to two-stories for junior/high schools
- Classrooms, in detailing and plans, clearly express their function, with axial, fingerlike wings, plentiful fenestration, and connections to the outdoors
- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features – Buildings/Structures

- Building plans and site design clearly express their function; classroom wings often exhibit one-story “finger-like” wings, arranged on an axis
- Easily identifiable indoor-outdoor spaces, connections to classrooms through the incorporation of patios, courtyards, and outdoor canopied corridors
- One-story massing, particularly for elementary schools; up to two to three stories for junior and high schools
- Building types and plans expressive of postwar ideals in school design; these can include (1) finger-plan schools (usually in 1940s through 1950s); (2) cluster-plan schools (beginning in 1950s); and (3) variations and combinations of these typologies clearly expressive of the ideals for informality, indoor-outdoor connections, and zoned planning for the site
- Varying elevations might display differentiated window sizes and configurations, in order to tailor interior light to sun patterns and create cross-lit classrooms

Character-Defining Features – Campus/District

- Unified campus design includes most or all of the following attributes: lack of formality and monumentality; low massing (usually one stories for classrooms and up to two stories for auditoriums/multipurpose rooms); strong geometric ordering of buildings and outdoor spaces; decentralized, pavilion-like layout; rational, function driven site design; buildings extend across the site; buildings are oriented to outdoor spaces (courtyards, patios, outdoor areas), purposeful indoor-outdoor integration
- Automobile traffic/drop-off areas separated from campus; linked to interior via extended canopied corridors
- Buildings often turn inward, toward green spaces and courtyards, lawns
- Outdoor corridors, sheltered beneath simple canopies, forming links between the buildings of the campus
- Classrooms often consist of a series of axial, modular units

- An informal, domestic scale for the buildings and campus might be especially evident in elementary schools
- Swaths of patios, terraces, and plantings adjacent to and alternating with buildings
- Generous expanses of windows, including steel- and wood-framed multi-light windows, in awning and hopper casements, clerestories, and fixed panes
- Flat roof or broken-plane roof often used for lighting and acoustical issues
- Modular design, with a rhythmic, asymmetrical but balanced composition
- Usually displays a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing), International Style modernist, or, by the early 1960s, Late Modern (more expressive and sculptural)
- Some examples might include some degree of historicist detailing or styles popular in the postwar period (such as American Colonial Revival); these are less common than modernist examples
- May have been designed by a prominent architect of the period
- Often associated with post–World War II suburbanization and growth near major employment centers beyond the city periphery (such as the San Fernando Valley and southwest Los Angeles)
- Often built in residential neighborhoods on large expanses of land, with swaths of land devoted to landscape design and playing fields (in particular for high school campuses)

Integrity Considerations

- Retains most of the essential physical features from the period of significance
- School expansion and new construction over the years, in particular in the postwar period, might have resulted in the addition of in-fill buildings and structures in areas that were originally designed open spaces (such new additions should not interfere with or serve as a visual impairment to the designed connections between buildings, in particular classroom wings, and adjacent outdoor patios and spaces)
- Many postwar schools were designed to be easily expandable as enrollment increased; the original site design and building types and plans should be readily discernible. If additional wings were added or the campus extended, the additions should be compatible with and visually subordinate to the original
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Should retain integrity of setting, materials, design, workmanship, feeling, and association from its period of significance
- Addition of portable or permanent buildings after the period of significance acceptable as long as original campus design is intact

6.1 Designation Criteria A/1/1

Historic District Evaluation: The historic-period buildings on the campus were constructed in two general phases: the 1920s period, which included the three primary buildings and the 1950s and

1960s period, which included three additional buildings. As originally designed, the three 1920s buildings were representative of the school planning ideals that defined their era. They were designed in a Renaissance Revival style, organized by function and use, and sited with a spread-out site plan to create an adjacent outdoor space. These distinctive features were substantially affected following the 1933 Long Beach earthquake and later additions to the campus, detailed in the integrity discussion below. The seismic retrofits heavily affected the original design of the buildings and resulted in the loss of their Renaissance Revival style; the 1968 Classroom Building and a later lunch shelter resulted in the partial infill of the rear courtyard space, altering that character-defining feature of pre-1933 school design. Although the *LAUSD Historic Context Statement* states that most pre-1933 schools were extensively remodeled following the Long Beach earthquake, these changes have collectively resulted in a loss of integrity to the individual buildings, and negatively affected the overall site plan and the building's relationship to one another. Furthermore, the later 1950s/1960s additions were designed over a period of ten years and are not representative of postwar campus planning ideals. Their siting lacks the rational, function driven site design that is required of eligible schools from this era. The subject campus therefore does not meet the eligibility requirements for historic districts as described in the *LAUSD Historic Context Statement* for eligibility under Criteria A/1/1.

Individual Resource Evaluation: None of the buildings located on the subject campus appear to be individually eligible per the registration requirements described *LAUSD Historic Context Statement* for eligibility under Criteria A/1/1. As originally designed, the 1920s-era buildings (Administrative, Assembly, and Kindergarten #1 buildings) exhibited many of identifying characteristics of educational buildings built prior to the 1933 Long Beach earthquake, including their Renaissance Revival style of architecture, massing, and site design. Following the 1933 Long Beach Earthquake, the 1920s-era buildings were substantially altered. In particular, gunite plaster was applied to all of the building's exterior surfaces. This application obscured the building's original architectural style, covering many of its original features and finishes and applying a simple Moderne-style detailing. Original wood window sash and many original wood doors have also been removed and replaced. Furthermore, the prominent Administrative was substantially altered by the removal of its upper level, reducing the building from three stories to two. As discussed in further detail below, these changes have resulted in a loss of integrity of materials, design, setting, workmanship, feeling, and association, many of which are necessary in order to meet the integrity considerations identified in *LAUSD Historic Context Statement*.

None of the postwar buildings appear individually eligible under Criteria A/1/1 as they are not highly representative of postwar, modern functionalist school design. They lack the plentiful fenestration and clear connections to the outdoors characteristic of eligible schools buildings from this era. Furthermore, the 1968 Classroom Building is two stories, which was uncommon for elementary school buildings constructed during the period during which it was built.

6.2 Designation Criteria B/2/2

Historic District and Individual Resource Evaluation: As a public elementary school, the subject campus and its individual buildings are associated with a number of individuals who attended, visited, or taught at the school. However, per the guidance of the National Park Service, properties that are significant for their association with an important person in our past, must illustrate a

person's important achievements.⁴⁸ Archival research completed as part of this study failed to identify any direct and significant associations that are directly represented by the subject campus. As a result, the campus and its buildings do not appear eligible for designation either individually or collectively as a historic district under Criterion B/2/2.

6.3 Designation Criteria C/3/3

Historic District Evaluation: Developed in two general phases in the decades before and after World War II, the campus features a variety of architectural styles, including minimal elements of Moderne and Mid-Century Modern. As a result, the campus does not feature cohesive design intent such that it meets any of the applicable eligibility standards outlined in the *LAUSD Historic Context Statement* and as a result does not appear eligible as a historic district under Criteria C/3/3.

Individual Resource Evaluation: None of the buildings located on the McKinley Avenue Elementary School campus appear individually eligible for federal, state, or local designation under Criteria C/3/3. As previously mentioned, the three extant 1920s-era Renaissance Revival-style campus buildings were significantly altered following the 1933 Long Beach earthquake. Alterations to their original design include the application of new surface material and Moderne-style design elements, as well as the removal and replacement of all original window sashes and most original exterior doors. Furthermore, the removal of the original third story of the Administrative Building has substantially altered its integrity as addressed in greater detail below. Although the 1920s buildings now exhibit features of the Moderne elements on their exteriors, overall they are not particularly representative examples to the style. The 1920s-era buildings do not embody the Renaissance Revival or the Moderne styles of architecture to the degree required of significant properties designated under Criteria C/3/3.

The postwar buildings on campus, while displaying varying degrees of a Mid-Century Modern - influenced architecture, cannot be considered distinctive examples of the style and do not appear eligible under Criteria C/3/3.

⁴⁸ U.S. Department of the Interior, National Park Service. 2002. *How to Apply the National Register Criteria for Evaluation*(p. 14). National Register Bulletin No. 15. Washington, DC.

7 Integrity

Integrity is the ability of a property to convey its historic significance. In order to retain integrity, the property must possess enough of its character-defining features, materials, and spaces such that it continues to convey the reasons for its significance. According to the National Park Service, there are seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association.⁴⁹

To retain integrity, a property will always possess several of these aspects, with those relevant aspects dependent on the property's significance. Three buildings constructed in the 1920s, the Administrative, Assembly, and Kindergarten #1, are potentially eligible as a representation of pre-1933 Long Beach earthquake school buildings, but substantial alterations have affected their integrity to the degree that they no longer effectively convey their significance. Each of the seven aspects of integrity in relation to the 1920s-era buildings on the McKinley Avenue Elementary School campus are detailed below. The remaining buildings were not found to be significant under the context of postwar campus planning ideals or any other designation criteria and therefore are not included in the following discussion.

7.1 Location

All three of the 1920s-era buildings on the subject campus are located on their original site. They retain integrity of location.

7.2 Design

A review of original architectural plans and historic photographs reveals that the 1920s era buildings on the McKinley Avenue Elementary School campus were originally designed in the Renaissance Revival Style of architecture, popular for school buildings at the time of their construction. In their original design, buildings featured brick facades accented with classical detailing including ornate cast stone ornament, decorative quoins, brick-clad walls, and multi-light wood windows and wood panel doors. Following the 1933 Long Beach earthquake, the buildings were substantially altered with the removal of their detailing and sheathing of exterior surfaces with gunite plaster. Original designs were further altered through the removal of original windows and doors and the removal of the third floor of the Administrative Building. These alterations substantially altered the original design intention of the buildings. As a result the buildings no longer retain integrity of design.

7.3 Setting

The setting of the 1920s-era McKinley Avenue Elementary School campus buildings has changed extensively over the decades. In the time since their construction, the campus parcel has expanded and additional school buildings were constructed nearby to the east, in an area that was historically void of development. In addition, the surrounding area has further intensified. As a result the buildings no longer retain integrity of setting.

⁴⁹ U.S. Department of the Interior, National Park Service. 2002. *How to Apply the National Register Criteria for Evaluation* (p. 44-47). National Register Bulletin No. 15. Washington, DC.

7.4 Materials

As discussed above, the Administrative, Assembly, and Kindergarten #1 buildings have been substantially altered throughout their developmental history. Major alterations to the buildings were first undertaken following the 1933 Long Beach earthquake. Original materials were extensively removed from the buildings or alternatively covered throughout the wholesale application of a gunite plaster coating to building exteriors. In addition original wood windows and many of the buildings original wood panel doors have been removed and replaced. As a result of the extensive removal and/obscuring of original building materials, the buildings no longer retain integrity of materials.

7.5 Workmanship

The physical evidence and workmanship of the 1920s-era buildings was largely conveyed in the techniques employed in their initial construction. These techniques include the laying of decorative masonry and application of ornament to the buildings, as well as the construction of elements such as windows and doors. As many of the features and materials that conveyed the workmanship that resulted in the buildings' construction has been removed or obscured, the buildings no longer retain integrity of workmanship.

7.6 Feeling

The integrity of feeling is the quality a property has in evoking a historic sense of past, and is largely tied to a property's integrity of design, setting, materials, and workmanship. Because all of these aspects of integrity have been comprised, the 1920s buildings no longer retain integrity of feeling.

7.7 Association

Similar to feeling, the integrity of association depends on a period appearance and is conveyed through the combination of integrity of setting, location, design, workmanship, materials, and feeling. Because the 1920s buildings do not possess many of these aspects they do not retain integrity of association.

7.8 Summary

As summarized above, the Administrative, Assembly, and Kindergarten #1 buildings are associated with the theme of pre-1933 Long Beach earthquake school plants. However, substantial alterations to the buildings have resulted in a loss of integrity of design, setting, materials, workmanship, feeling, and association. As a result, the buildings do not meet the integrity considerations identified in *LAUSD Historic Context Statement, 1870-1969* for schools from this era, and as a result the buildings do not appear eligible for federal, state, or local designation.

8 Conclusion

In conclusion, McKinley Avenue Elementary School and its buildings are recommended ineligible for federal, state, or local designation under any applicable criteria. The extant buildings from 1925 and 1929 were heavily modified following the 1933 Long Beach earthquake and as a result, do not appear to meet the registration requirements outlined in the *LAUSD Historic Context Statement* for pre-1933 Long Beach earthquake schools. Although the Administrative Building was previously found to be significant for its representation of the district's response to the 1933 Long Beach earthquake, extensive research has been completed on the subject of LAUSD schools that has resulted in a broader understanding of the historic context and significance of these property types. As a result, the seismic upgrades that occurred at McKinley Avenue Elementary School following the Long Beach earthquake were not unique among facilities owned by the LAUSD during this period (due to the Field Act of 1934, the same seismic upgrades were carried out extensively throughout the district). The subject campus also includes a number of buildings developed after World War II, but they were constructed intermittently over a period of 40 years and are not representative of LAUSD design principles of the postwar era. The campus does not appear eligible for federal, state, or local designation under any applicable criteria and is not considered a historical resource for the purposes of CEQA.

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**GEOTECHNICAL INVESTIGATION
PROPOSED CAMPUS MODIFICATIONS
McKINLEY ELEMENTARY SCHOOL
7812 McKINLEY AVENUE
LOS ANGELES, CALIFORNIA**

Prepared for:
Los Angeles Unified School District
Design and A/E Technical Support
333 S. Beaudry Avenue, 22nd Floor, Room 217
Los Angeles, California 90017

Prepared by:
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May 24, 2017

Los Angeles Unified School District
Design & A/E Technical Support
333 S. Beaudry Avenue, 22nd Floor, Room 217
Los Angeles, California 90017

Attention: Mr. Peyman Soroosh Moghadam, S.E.
Supervision Structural Engineer

Subject: Geotechnical Investigation
Proposed Campus Modifications
McKinley Elementary School
7812 McKinley Avenue
Los Angeles, California
GPI Project No. 2677.181

Dear Mr. Moghadam:

Transmitted herewith are four copies of our geotechnical investigation report for the proposed campus modifications at McKinley Elementary School.

We appreciate the opportunity of offering our services to your organization and look forward to seeing the project through its successful completion. Please do not hesitate to call us if you have any questions on the contents of our report or need further geotechnical assistance.

Very truly yours,
Geotechnical Professionals Inc.



Paul R. Schade, G.E.
Principal

PS:sph

Distribution: (4) Addressee (3 bound and 1 unbound plus flash drive)
(1) Ms. Cristina Cho, Los Angeles Unified School District (email)

2677-17I-01L (5/17)

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1.0 INTRODUCTION

1.1 GENERAL

This report presents the results of a preliminary geotechnical investigation performed by Geotechnical Professionals Inc. (GPI) for the proposed campus modifications at McKinley Avenue Elementary School in Los Angeles, California. The site location is shown on the Site Location Map, Figure 1.

A detailed geologic-seismic evaluation was performed for the project, including site-specific response spectra, as required by the 2016 California Building Code (CBC).

The project is at an early stage at this time, and specific details on the extent of the modifications and location of the new improvements are limited. A comprehensive investigation, utilizing the data obtained in this preliminary investigation, will be required prior to the final design to satisfy the regulatory agency requirements when further details of the project are available. Additional explorations and testing may also be required as part of the comprehensive investigation.

1.2 PROJECT DESCRIPTION

The project covered by this report includes modifications and modernization of the existing elementary school campus. We understand that the modifications may include new buildings as well as modernization of the existing buildings. The project also includes an evaluation of the non-wood-framed structures as outlined in AB300. The project is at an early stage at this time, and specific details on the extent of the modifications and locations of the new improvements are limited. The locations of the existing structures are shown on the Site Plan, Figure 2.

Detailed information regarding structural loads or site topography was not available at the time this report was prepared. We have assumed that the structural loads for the new buildings will be less than 150 kips for columns, and 2 to 3 kips per lineal foot for walls. We understand that the proposed buildings will predominantly be supported at or near the existing grade, but that one level subterranean construction (i.e. below-grade parking) may be considered. Modernization of the existing buildings may include additional loads being imposed to the existing foundations or new columns or foundations being added. Proposed grades are not anticipated to change significantly from the existing grades.

Our recommendations are based upon the above-assumed structural and finish grade information. We should be notified if the actual loads and/or grades differ or change during the project design to allow our office to either confirm or modify our recommendations. Also, when the project grading plan becomes available, we should be provided with a copy for review and comment.

1.3 PURPOSE OF INVESTIGATION

The primary purpose of this investigation and report is to provide an evaluation of the existing geotechnical and geologic conditions at the site as they relate to the design and construction of the proposed development.

2.0 SCOPE OF WORK

Our scope of work included a field investigation, laboratory testing, geologic and seismic evaluation, foundation analyses, and preparation of this report.

Our field investigation consisted of five Cone Penetration Tests (CPT's) and four exploratory borings. The CPT's were performed to depths of 40 to 60 feet below existing grades. The borings were performed to depths of 20 to 60 feet below the existing grade. A description of field procedures and logs of the CPT's and explorations are presented in Appendices A and B, respectively.

Our laboratory testing program included evaluations of in-place moisture content, Atterberg Limits, fines content, direct shear, consolidation, expansion index, maximum dry density and optimum moisture content, and corrosivity. Laboratory test procedures and results are presented in Appendix C.

Soil corrosivity testing was performed by HOR under subcontract to GPI. Their test results are presented at the end of Appendix C.

An evaluation of geologic and seismic hazards is presented in Appendix D.

Engineering evaluations were performed to provide earthwork criteria and foundation design parameters. The results of our evaluations are presented in the remainder of the report.

3.0 SITE CONDITIONS

3.1 SURFACE CONDITIONS

The school site is bounded by East 78th Street to the north, McKinley Avenue to the west, East 79th Street to the south, and Wadsworth Avenue to the east. The site is approximately 4.85 acres in plan area, with various school buildings in the western half of the campus, and parking areas, blacktop playground, and smaller buildings in the eastern half of the campus. The topography across the site is relatively flat, with ground surface elevations ranging from approximately 139 feet (in the southeast) to 141 feet (in the northwest). The pavement sections at our exploration locations in pavement areas consisted of 4 inches of asphalt concrete without an underlying aggregate base course in Boring 8-1 and 3.5 inches of asphalt concrete over 3.5 inches of aggregate base in Boring 8-4.

We reviewed historical aerial photographs of the site dating back to 1952. In 1952, the school site appears to have been confined to the western half of the existing campus limits, with the eastern half appearing to be occupied by single-family residences. In 1963, the single family residences are no longer present and the bounds of the school site have been expanded to their approximate current limits, with new single story buildings appearing along the northern property line. Various buildings were added or removed from the site between 1963 and 2012, when the final currently existing building was visible in the aerial photographs. Since 2012, the site appears to have remained unchanged, apart from a few.

3.2 SUBSURFACE SOIL CONDITIONS

Our field investigation disclosed a subsurface profile consisting of undocumented fill soils over natural soils. Detailed descriptions of the conditions encountered are shown on the Log of the CPT's and Borings in Appendices A and B, respectively.

Undocumented fill soils to depths of 4 feet were encountered in the borings. The fill soils at the boring locations consisted of moist silty sands. The fill soils are likely undocumented and relatively old, given the age of the school. The upper fill soils exhibited a very low potential for expansion.

The underlying natural materials consisted predominantly of loose to medium dense silty sands and sands, with lesser deposits of firm to very stiff clays, silty clays, and sandy silts. Within the upper 12 feet, the natural soils consisted predominantly of loose to medium dense silty sands and sands. Below depths of 12 feet, the natural soils consisted of alternating layers of firm to very stiff fine-grained soils (clays, silty clays, and sandy silts) and medium dense coarse-grained soils (silty sands and sands). The natural soils become dense and very stiff to hard below depths of 32 to 34 feet. The natural soils are generally moist to wet, with higher moisture contents encountered within the fine-grained soils. Moisture contents in localized areas of the near surface soil were as high as 32 percent, roughly 22 percent above optimum moisture of 10.5 percent. The average moisture content of the soils within the upper 7 feet is

approximately 13 percent. At shallow depths, the natural soils exhibited moderate strength and low compressibility characteristics.

The site is not located in a Methane Buffer Zone, as designated by the City of Los Angeles.

3.3 GROUNDWATER AND CAVING

Groundwater was not encountered within our explorations performed to depths of up to 60 feet below existing grade. Historical data provided by the California Geologic Survey (CGS) indicates a shallowest depth to groundwater of 15 feet in the vicinity of the site.

Caving was not encountered in our relatively small diameter borings.

3.4 GEOLOGIC - SEISMIC HAZARDS

A detailed evaluation of the geologic conditions at the site, including seismic hazards, is presented in Appendix D. Ground motion and seismic settlement is addressed in a following section of this report.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 OVERVIEW

Based on the results of our investigation, it is our opinion that from a geotechnical viewpoint it is feasible to develop the site as proposed. The proposed structures and modifications can be supported on shallow foundations provided the geotechnical constraints discussed below are mitigated. The most significant geotechnical issues that will affect the design and construction of the proposed structures are as follows:

- The site is located in a seismic hazard zone for soil liquefaction. Based on our analyses, we computed a potential total seismic-induced liquefaction settlement of 1 to 1¼ inches. Differential seismic settlement is estimated to be between ½- and ¾-inch across a span of 40 feet. These estimates are based on a published historical high groundwater level of 15 feet below the existing grade. Groundwater was not encountered within the 60-foot depth of our current explorations.
- The existing undocumented fill soils encountered to depths of 4 feet in our borings are not considered to be suitable for direct support of shallow foundations and floor slabs in their current state. To provide uniform support for the proposed improvements, we recommend that these materials be removed and replaced as properly compacted fill.
- The upper natural soils are loose to medium dense. To provide uniform support for the proposed shallow foundations and floor slabs, we recommend that the upper portion of the natural materials be removed and replaced as properly compacted fill.
- Support of the planned structures on isolated/continuous shallow footings or a mat foundation are feasible. The foundation system selected will depend on the tolerable total and differential settlements. Based on the structural loads assumed, the estimated combined static and seismic settlements slightly exceed the generally accepted limits (1 ½ inches of total settlement and ¾-inch differential settlement) for shallow spread footings. Additional settlement analyses should be performed when more detailed structural loads are available for the project.
- Conventional cast-in-place concrete piles may be used to support light standards and similar pole structures.
- Moisture contents of the near surface soils (within 7 feet of the existing grades) are moist to wet, averaging about 3 percent above the optimum moisture content, with localized samples up to 22 percent above optimum. Therefore, mixing and moisture conditioning will be required prior to being placed as properly compacted fill. In addition, over-optimum subgrade soils exposed during grading may require stabilization in order to support

compaction equipment. Stabilization may be accomplished using crushed aggregate base and geogrid or in-place cement treatment.

- Corrosivity testing performed by HDR on samples provided from our borings indicates a negligible level of soluble sulfate content with respect to concrete. The soils are also considered to be moderately corrosive to ferrous metals.

Our recommendations related to the geotechnical aspects of the development of the site are presented in the subsequent sections of this report.

4.2 SEISMIC DESIGN

4.2.1 General

Details of our geologic and seismic evaluation for the site are presented in Appendix D.

We assume the seismic design of the proposed development will be in accordance with the California Building Code (CBC), 2016 edition. For the 2016 CBC, a Soil Class D may be used. The seismic code values can be obtained directly from the tables in the building code using the above values and appropriate United States Geological Survey web site (geohazards.usgs.gov). We also present these values on Table 1, Site Specific Response Spectra Worksheet. The Project Structural Engineer should determine the seismic design method.

4.2.2 Site-Specific Ground Motion Analyses

Site-specific response spectra were generated in accordance with the 2016 California Building Code (CBC) (Section 1613A) and Section 21.2 of ASCE 7-10 (ASCE, 2010). Creation of a site-specific response spectrum requires analyzing site-specific deterministic and probabilistic seismic response spectra in order to create the Risk-Targeted Design and Maximum Considered Earthquake (MCE) response spectra.

Probabilistic and deterministic site response spectra were calculated using the computer program EZ-FRISK (Version 7.65, 2015). The program estimates uniform hazard spectra using faults as earthquake sources. The program database includes geographic and seismic information on known active faults in California from 2008. For both our deterministic and probabilistic analyses, we used NGA attenuation relationships for the maximum rotated component of ground motion as proposed by Boore and Atkinson (2008), Campbell and Bozorgnia (2008), and Chiou and Youngs (2007).

For our evaluations, we used a shear wave velocity, V_{s30} , of 295 meters per second, or about 968 feet per second, for attenuation relationships. This value corresponds to a CBC Site Class D (stiff soil) and was estimated from blow counts obtained during the investigation at the project site.

A site-specific probabilistic response spectrum was generated for the MCE per the requirements of ASCE 7-10. The MCE corresponds to an earthquake ground motion having a 2 percent probability of exceedance within a 50-year period, or an average return period of 2,475 years. The final probabilistic response spectrum was based on the maximum rotated component mean of the spectral response values at 5% damping for the three above noted attenuation relationships. The site-specific probabilistic response spectra, including the average probabilistic spectrum, is shown on Figure 3.

Site-specific deterministic MCE response spectra were generated per the requirements of ASCE Section 7-10. Response spectra were generated from known active faults within 100 kilometers of the subject site in order to determine the controlling spectral accelerations. Spectral acceleration ordinates were calculated as the 84th percentile of the maximum rotated component of the spectral acceleration at 5% damping (mean S_a + one standard deviation). The controlling deterministic response spectrum is based on the Puente Hills (LA) Fault. Site-specific deterministic response spectra from nearby faults, along with the required lower deterministic limit per Section 21.2.2 (Figure 21.2-1), are shown on Figure 4. The controlling upper bound site-specific deterministic response spectrum is shown on Figure 5.

The above-described analytical steps are presented in the attached Table 1, Site Specific Seismic Response Spectra Worksheet.

The site-specific MCE response spectrum was generated per the requirements of comparing the spectral response accelerations from the probabilistic MCE and the deterministic MCE, with the resulting MCE response spectrum being the lesser of the spectra accelerations at each period. The coordinates for the MCE response spectrum are presented in Table 1 (Column 9).

The site-specific design response spectrum was generated per the requirements of taking 2/3 of the MCE response spectrum, but confirming that the values are not less than 80 percent of the spectral acceleration determined per Section 11.4.5 of ASCE 7-10. The ordinates for the site-specific design spectrum are presented in Table 1 (Column 12).

We compared the spectral response accelerations from the probabilistic MCE of Section 21.2.1 (Figure 3) and the deterministic MCE of Section 21.2.2 (Figure 5), with the resulting MCE response spectra being the lesser of the spectral accelerations. The site-specific MCE and design response spectra are shown on Figure 6. The corresponding coordinates for the MCE and design response spectra are tabulated in Table 1.

4.2.3 Liquefaction, Lateral Spreading, and Seismic Settlement

Liquefaction is a phenomenon in which saturated cohesionless soils undergo a temporary loss of strength during severe ground shaking and acquire a degree of mobility sufficient to permit ground deformation. In extreme cases, the soil particles can become suspended in groundwater, resulting in the soil deposit becoming mobile and fluid-like. Liquefaction is generally considered to occur primarily in loose to medium

dense deposits of saturated sandy soils. Thus, three conditions are required for liquefaction to occur: (1) a sandy soil of loose to medium density; (2) saturated conditions; and (3) rapid, large strain, cyclic loading, normally provided by earthquake motions.

The site is located in a Seismic Hazard Zone for liquefaction, as mapped by the State of California (Inglewood Quadrangle). Groundwater was not encountered in our explorations to depths of 60 feet below existing grade. Historical high groundwater levels provided by the California Geologic Survey indicate a shallowest groundwater table of approximately 15 feet below existing grades (CGS, 1999). As such, we assumed a groundwater depth of 15 feet in our liquefaction evaluation.

Revisions to the 2016 California Building Code, ASCE 7-10 and Special Publication 117A (CGS, 2008) require that the ground motion used for this evaluation be based on the Peak Ground Acceleration (PGAM) adjusted for site class effects or a site-specific response spectra. As detailed in the previous section, we developed site-specific response spectra per the requirements of Section 21.2 of ASCE 7-10 and the 2016 CBC. Per the requirements of Section 21.5.3, the site-specific peak ground acceleration shall not be taken as less than 80 percent of PGAM, which is defined as the product of the PGA for the mapped MCEG (Site Class B) and a site coefficient, F_{PGA} . Based on this analysis, we considered a site-specific design peak ground acceleration of 0.57g for a magnitude 6.5 earthquake (Puente Hills - LA) for our analyses, which corresponds to the lesser of the probabilistic and deterministic spectral accelerations at a period of 0.5 seconds obtained using the methods described above.

The potential for liquefaction was evaluated using the methods presented by the NCEER and updated by Robertson (Robertson, 2009) and modifications provided in Special Publication 117A. Criterion for liquefaction susceptibility of the fine-grained soils was based on methods presented in Bray and Sancio (2006).

The materials encountered below the historical high groundwater level generally consisted of alternating layers of firm to very stiff fine-grained soils (silts and clays) and medium dense coarse-grained soils (sands and silty sands). Below depths of 32 feet, some of the sand and silty sand layers were dense. Overall, the soils encountered exhibited moderate strength.

Per the requirements of SP 117, liquefaction analyses are typically limited to depths of 50 feet below the structural foundation. Based on our analyses, and assuming a potential groundwater depth of 15 feet, we computed potential total seismic-induced liquefaction settlements of 1 to 1¼-inches. Differential seismic settlements (across a 40-foot span) are estimated to be between ½- and ¾-inch.

Seismic ground subsidence (not related to liquefaction induced settlements) occurs when strong earthquake shaking results in densification of loose to medium dense sandy soils above groundwater. Due to the shallow depths to groundwater used in our liquefaction analysis (15 feet) and the recommended depth of removal and recompaction, the potential for dry seismic to adversely affect the site is considered to

be low. As such, we do not anticipate measurable seismic settlement of the soil above the groundwater.

4.3 EARTHWORK

The earthwork at the project site is anticipated to consist of clearing, subgrade preparation, and the placement and compaction of fill.

4.3.1 Clearing

Prior to grading, performing excavations, or constructing the proposed improvements, the areas to be developed should be cleared of debris and pavements. Buried obstructions, such as footings, abandoned utilities, and tree roots should be removed from areas to be developed. Deleterious material generated during the clearing operation, including organic topsoil or material within the existing undocumented fill, should be removed from the site. If approved by the District, inert demolition debris, such as concrete, asphalt, and brick may be crushed for reuse in engineered fills outside the planned building areas in accordance with the criteria presented in the "Materials for Fill" section of this report. It is our experience that such material will be required to be exported from the site.

If cesspools or septic systems are encountered during grading, they should be removed in their entirety. The resulting excavation should be backfilled as recommended in the "Subgrade Preparation" and "Placement and Compaction of Fill" sections of this report. As an alternative, cesspools can be backfilled with lean sand-cement slurry. At the conclusion of the clearing operations, a representative of the personnel from GPI should observe and accept the site prior to further grading.

4.3.2 Excavations

Excavations at this site will include removals of undocumented fill soils, soils disturbed during demolition and portions of the weak native soils, foundation excavations, and trenching for new utility lines.

Prior to placing fills or construction of the structures or pavement, the existing undocumented fill and loose soils disturbed during demolition, and portions of the upper soils should be removed and replaced as properly compacted fill. To provide uniform support for planned structures supported on shallow foundations, the footings and floor slabs should be underlain by properly compacted fill. For planning purposes, we anticipate average removal depths across the building pads of 7 feet below existing grades or 4 feet below the base of foundations, whichever is deeper, for planned at-grade buildings (e.g. classroom, administration buildings). Existing grades refer to the grades at our exploration locations.

For subterranean structures, removals should extend deep enough for the placement of at least 2 feet of properly compacted fill beneath the base of foundations.

For minor structures (e.g. site walls, trash enclosures), removals should extend 4 feet below grade or 2 feet below the base of foundations, whichever is deeper. Deeper removals may be required where deep undocumented fill soils are encountered. Removals are not required for pile supported minor structures such as light standards.

For new pavements and hardscape, removals should extend at least 1-foot below the existing or proposed subgrade, whichever is deeper.

For building retrofit where new foundations are required within the footprint of a building to remain, or where existing footings will be enlarged to carry additional loads, the extent of remedial grading will depend on the subsurface conditions encountered. For planning purposes, these foundations should be underlain by at least 1-foot of new properly compacted fill soils. Deeper removals may be required depending on the actual conditions exposed in the foundation excavations.

The actual depths of removals should be determined in the field during grading by a representative of GPI.

The Project Surveyor should accurately stake the corners of the areas to be overexcavated in the field. Where space is available, the base of the excavations should extend laterally at least 5 feet beyond the building line or edge of foundations, or a minimum lateral distance equal to the depth of overexcavation/compaction below finish grade (i.e., a 1:1 projection below the bottom outside edge of footings), whichever is greater. Building lines include the footprint of the building and other foundation supported improvements, such as canopies and attached site walls. For new footings inside an existing building related to retrofit, the limits of the removal can be limited to the lateral limits of the new foundation.

In general, the upper fill soils are considered moderately susceptible to caving in shallow excavations. Temporary construction excavations may be made vertically without shoring to a depth of 3 feet below the adjacent grade. For deeper cuts up to 10 feet, the slopes should be properly shored or sloped back to at least 1:1 or flatter. For cuts deeper than 10 feet but not exceeding 20 feet, slopes should be properly shored or sloped back to at least 1¼:1 (horizontal:vertical) or flatter. Some raveling of the sandy deposits should be anticipated at the slope inclinations recommended. If raveling cannot be tolerated, flatter slope inclinations should be considered. The exposed slope face should be kept moist (but not saturated) during construction to reduce local sloughing.

Excavations adjacent to existing foundations should not extend below an imaginary plane descending at an inclination of 1:1 from a point 1-foot above the base of an existing foundation unless slot cutting or shoring are used.

"ABC" slot cuts may be utilized in place of temporary shoring where removals adjacent to existing improvements or property lines are performed (e.g. retrofits to existing foundations). The slots should not exceed 8 feet in height and 8 feet in width and should be backfilled immediately to finished grade prior to excavation of the adjacent slots. If the slots are performed adjacent to an existing building that has perimeter pad footings

in addition to a continuous footing, the slots should be aligned so that not more than one-half of the pad footing is exposed at a time. We should review the plans for excavation adjacent to existing buildings when they are developed.

Surcharge loads should not be permitted within a horizontal distance equal to the height of cut from the top of the excavation or 5 feet from the top of the slopes, whichever is greater, unless the cut is properly shored. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of the adjacent existing site facilities should be properly shored to maintain support of adjacent elements. Excavations and shoring systems should meet the minimum requirements given in the State of California Occupational Safety and Health Standards.

In general, the excavation can be accomplished by conventional soil excavation equipment such as backhoes, loaders, scrapers, or dozers.

4.3.3 Subgrade Preparation

Prior to placing fills, the subgrade soils at the bottom of overexcavations should be scarified to a depth of 8 inches, moisture-conditioned as necessary, and compacted to at least 90 percent of the maximum dry density determined in accordance with ASTM D1557. This recommendation also pertains to the subgrade areas of asphalt pavement and hardscape.

During our investigation, moist to wet soils with moisture contents of up to 32 percent (roughly 22 percent above optimum) were encountered within the upper 7 feet. The earthwork subcontractors should review the moisture content information presented on the boring logs, as wet soils may be encountered that will require mixing, drying, or stabilization prior to compaction. Also, heavy rubber-tired equipment is likely to cause pumping or yielding of wet subgrade. We do not recommend that the earthwork be performed in wet-weather seasons.

If wet soils are encountered or if the exposed soils become wet from seasonal rains, subgrade stabilization may be required to support compaction equipment. For planning purposes, the stabilization would require the placement of 12 inches of crushed aggregate base (CAB) over a geogrid, such as Tensar BX1100. A thicker section of CAB could be used if the geogrid is omitted. As an alternative, the wet soils can be cement treated. For planning purposes, we anticipate stabilization can be achieved by mixing 4 percent cement within the upper 15 inches of exposed soil by unit weight (assume 120 pcf). The cement treatment should be performed by a subcontractor experienced with the process, using equipment that can thoroughly mix the soil-cement prior to compaction.

4.3.4 Material for Fill

Soils available from on-site excavations, less debris or organic matter, will be suitable for re-use in compacted fills. Soils placed behind retaining walls and within 1-foot of the finished subgrade for building floor slabs and hardscape should be predominately granular (containing no more than 40 percent fines - portion passing No. 200 sieve) and

non-expansive (E.I. of 20 or less). Such materials are anticipated to be available in sufficient quantities within the upper 7 feet below existing grades.

Imported fill material should be predominately granular and non-expansive as defined above. Import or on-site materials used in compacted fills should not contain particles larger than 3 inches in diameter. GPI should be provided with a sample (at least 50 pounds) and notified of the location of soils proposed for import at least 72 hours in advance of importing. Each proposed import source should be sampled, tested and accepted for use prior to delivery of the soils to the site. Soils imported prior to acceptance by GPI may be rejected if not suitable.

If open-graded gravel is used as backfill, such as for stormwater infiltration or retention systems, the material should be separated from the adjacent soils with a suitable non-woven filter fabric, such as Mirafi 140N.

4.3.5 Placement and Compaction of Fills

Fill soils should be placed in horizontal lifts, moisture-conditioned, and mechanically compacted to densities equal to at least 90 percent of the maximum dry density, determined in accordance with ASTM D1557. The optimum lift thickness will depend on the compaction equipment used and can best be determined in the field. The following uncompacted lift thickness can be used as preliminary guidelines.

Plate compactors	4-6 inches
Small vibratory or static rollers (5-ton±) or track equipment	6-8 inches
Scrapers, heavy loaders, or heavy vibratory rollers	8-12 inches

The maximum lift thickness should not be greater than 12 inches and each lift should be thoroughly compacted and accepted prior to subsequent lifts.

Fills should be placed at moisture contents of 0 to 2 percent over the optimum moisture content for granular soils and silts, and 1 to 3 percent over optimum for clays. The moisture content of the soils encountered in the upper 7 feet in the explorations was, on average, roughly 3 percent above optimum. As such, adequate mixing and some moisture conditioning (drying) may be necessary prior to replacing the soils as properly compacted fill. The on-site soils should not be allowed to dry out prior to covering or additional moisture conditioning and processing will be required. The moisture content of the subgrade soils should be confirmed by GPI prior to covering.

During backfill of excavations, the fill should be properly benched into the construction slopes as it is placed in lifts.

4.3.6 Shrinkage and Subsidence

Shrinkage is the loss of soil volume caused by compaction of fills to a higher density than before grading. Subsidence is the settlement of in-place subgrade soils caused by loads generated by large earthmoving equipment. For earthwork volume estimating purposes, an average shrinkage value of 20 to 25 percent may be assumed for the surficial soils. Higher values may be realized if deep undocumented fills are encountered. Subsidence is anticipated to be about 0.1 feet. These values are estimates only and exclude losses due to removal of vegetation or debris. Actual shrinkage and subsidence will depend on the types of earthmoving equipment used and should be verified during grading.

4.3.7 Trench/Wall Backfill

Utility trench and wall backfill, consisting of the on-site materials or imported sand, should be mechanically compacted in lifts. Clays and silts should not be used for retaining wall or wall-below-grade backfill. Lift thickness should not exceed those values given in the "Placement and Compaction of Fill" section of this report. Moisture conditioning of the on-site soils will be required prior to re-use as backfill. Jetting or flooding of backfill materials should not be permitted. A representative of GPI should observe and test trench and wall backfills as they are placed.

In backfill areas where mechanical compaction of soil backfill is impractical due to space constraints, sand-cement slurry may be substituted for compacted backfill. The slurry should contain one sack of cement per cubic yard. Within building areas, the slurry should contain two sacks of cement per cubic yard. When set, such a mix typically has the consistency of compacted soil. Under foundations, concrete equal in strength to the foundation concrete should be used if fill is required.

4.3.8 Observation and Testing

A representative of GPI should observe excavations, subgrade preparation, and fill placement activities. Sufficient in-place field density tests should be performed during fill placement and in-place compaction to evaluate the overall compaction of the soils. Soils that do not meet minimum compaction requirements should be reworked and tested prior to placement of additional fill.

4.4 FOUNDATIONS

4.4.1 General

The proposed structures and modifications to existing buildings may be supported on conventional isolated and/or continuous shallow footings or a mat foundation, provided the subsurface soils are prepared in accordance with the recommendations given in this report. The decision to support structure on a mat foundation instead of spread footings will depend on the allowable total and differential static and seismic settlements. Shallow foundations should be supported on properly compacted fill. We are also providing recommendations for design of deep foundations for support of both light standards and similar type structures.

4.4.2 Bearing Capacity

Spread Footings

Based on the shear strength and elastic settlement characteristics of the recompacted on-site soils, a static allowable net bearing pressure of up to 3,500 pounds per square foot (psf) may be used for both continuous footings and isolated column footings. The actual bearing pressure used may be less, such that economics and structural loads will determine the minimum width for footings as discussed below. These bearing pressures are for dead load-plus-live loads, and may be increased one-third for short-term, transient, wind and seismic loading. The maximum edge pressures induced by eccentric loading or overturning moments should not be allowed to exceed these recommended values.

The following minimum footing widths and embedments are recommended for the corresponding allowable bearing pressure.

STATIC BEARING PRESSURE (psf)	MINIMUM FOOTING WIDTH (inches)	MINIMUM FOOTING* EMBEDMENT (inches)
3,500	24	24
3,000	18	24
2,500	18	18
1,500	15	15

* Depth to bottom of footing below lowest adjacent finish grade.

A minimum footing width and depth of 15 inches should be used even if the actual bearing pressure is less than 1,500 psf.

Mat Foundation

The allowable bearing pressure for a mat foundation is generally not the governing geotechnical issue as compared to the anticipated settlement. At this time, we have not been provided with estimated static mat foundation pressures for the proposed

structures. If a mat foundation is to be considered, we should be provided with a detailed plot of the anticipated bearing pressures to review.

For the elastic design of the mat foundation, a modulus of subgrade reaction (k-value) of 175 pounds per cubic inch (pounds per square inch per inch of deflection) may be used. This value is for a 1-foot by 1-foot square loaded area and should be adjusted for the area of the mat foundation using appropriate elastic theory. Using generally accepted methods and our site specific consolidation test results, we recommend using a value of 40 pci for the adjusted k-value in designing the mat foundation. As previously discussed, we should be provided with the anticipated mat pressures when they are developed so that we can review and confirm the recommendations provided, as well as provide an estimate for the anticipated maximum static settlements for the mat foundations.

The allowable soil bearing pressure will be significantly greater than the average bearing pressures required for the mat foundation as discussed above. At localized areas of the mat, such as columns and point of load applications along exterior walls, a static allowable net bearing pressure of 2,000 pounds per square foot may be used. These allowable bearing pressures are for dead-plus-live loads, and may be increased one-third for short-term, transient, wind and seismic loading.

4.4.3 Settlement

Under the static load conditions assumed (column loads of up to 150 kips and wall loads of up to 3 kips per lineal foot), maximum total static settlement of the proposed structures is expected to be on the order of $\frac{1}{2}$ to $\frac{3}{4}$ -inch. Maximum differential static settlement between similarly loaded adjacent footings is estimated to be on the order of $\frac{1}{4}$ -inch across a lateral distance of 40 feet.

As discussed earlier, we computed total seismic settlements of 1 to $1\frac{1}{4}$ inches for the purpose of evaluating total foundation settlement. As such, total combined static plus seismic settlement for the purposed of determining foundation feasibility is expected to be between $1\frac{1}{2}$ and 2 inches. Combined differential static plus seismic settlement is expected to be between $\frac{3}{4}$ - and 1-inch across a lateral distance of 40 feet. The combined settlements (total or differential) slightly exceed the generally accepted limits for spread and/or continuous footing foundations ($1\frac{1}{2}$ inches of total settlement and $\frac{3}{4}$ -inch of differential settlement). A mat foundation should be used for support of structures if the estimated settlements are not tolerable for spread footings. When detailed structural loads are available, we should be provided with the information to further evaluate the settlements.

The above settlement estimates are based on the assumption that the recommended earthwork will be performed and that the footings will be sized in accordance with our recommendations.

4.4.4 Lateral Resistance

Soil resistance to lateral loads will be provided by a combination of frictional resistance between the bottom of footings and underlying soils and by passive soil pressures acting against the embedded sides of the footings. For frictional resistance, a coefficient of friction of 0.35 may be used for design. In addition, an allowable lateral bearing pressure equal to an equivalent fluid weight of 275 pounds per cubic foot may be used, provided the footings are poured tight against the compacted fill. A one-third increase in the above allowable lateral bearing pressure (but not the frictional resistance) may be taken for short-term wind and seismic loads. The passive pressure provided also assumes a level ground surface extending to a horizontal distance from the wall or footing face at least twice the depth of embedment. These values may be used in combination without reduction.

4.4.5 Light Standards and Poles

Light standards and similar structures may be supported on drilled pier foundations. The design of such piers is typically governed by lateral loading conditions. Soil resistance to lateral loads can be provided by the piles. The design of the piles will be governed by lateral force considerations. For design by the simplified pole formula presented in Section 1807A.3.2.1 of the 2016 California Building Code, a unit passive resistance of 275 pounds per square foot per foot (to a maximum of 2,750 pounds per square foot) may be used for the piles with level ground in lieu of the presumptive lateral bearing values presented in Table 1806A.2. As stated in the code, a passive resistance of 550 pounds per square foot per foot (to a maximum of 5,500 pounds per square foot) may be used for isolated piles as determined by the Project Structural Engineer. This value incorporates the allowable increase stated in the Section 1806A.3.4 of the code for single poles that can tolerate a 1/2-inch of deflection under short-term loads. We recommend that the upper 1-foot of the subgrade soils be ignored in determining the required depth of embedment to allow for surface disturbance adjacent to the pile.

A pile designed for adequate embedment to resist the anticipated lateral loads should have adequate axial capacity to support the anticipated vertical loads. The net allowable vertical compressive capacity can be conservatively calculated based on a unit side friction of 325 pounds per square foot, neglecting end bearing contribution. We recommend that the upper 1-foot of the subgrade soils be ignored in determining the required depth of embedment to allow for future surface disturbance adjacent to the pile.

4.4.6 Foundation Concrete

Laboratory testing by HOR (Appendix B) indicates that the on-site soils have a soluble sulfate content of 14 mg/kg (0.0014 percent by weight). In accordance with the 2016 CBC, foundation concrete should conform to the requirements outlined to the requirements outlined in ACI 318, Section 4.3 for a negligible level of soluble sulfate exposure for soil (ACI Category 'SO'). Chloride was not detected.

4.4.7 Foundation Observation

Prior to placement of steel and concrete, a representative of GPI should observe and approve foundation excavations. Footing excavations should be moistened immediately prior to concrete placement.

4.5 CONCRETE SLABS

A moisture vapor retarder should be placed under slabs that are to be covered with moisture-sensitive floor coverings (parquet, vinyl, tile, etc.). Currently, common practice is to use a 10 or 15 mil polyolefin product such as Stego Wrap for this purpose. Whether to place the concrete slab directly on the vapor barrier or place a clean sand layer between the slab and vapor barrier is a decision for the Project Architect and General Contractor, as it is not a geotechnical issue. If covered by sand, the sand layer should be about 2 inches thick and contain less than 5 percent by weight passing the No. 200 sieve. Based on our explorations and laboratory testing, the soils at the site are not suitable for this purpose. The function of the sand layer is to protect the vapor retarder during construction and to aid in the uniform curing of the concrete. This layer should be nominally compacted using light equipment. The sand placed over the vapor retarder should only be slightly moist. If the sand gets wet (for example as a result of rainfall or excessive moistening) it must be allowed to dry prior to placing concrete. Care should be taken to avoid infiltration of water into the sand layer after placement of the concrete slab, such as at slab cut-outs and other exposures. A sand layer is not required beneath the vapor retarder, but we take no exception if one is provided.

It should be noted that the material used as a vapor retarder is only one of several factors affecting the prevention of moisture accumulation under floor coverings. Other factors include maintaining a low water-cement ratio for the concrete used for the floor slab and effective sealing of joints and edges (particularly at pipe penetrations). The manufacturer of the floor coverings should be consulted for establishing acceptable criteria for the condition of the floor surface prior to placing moisture-sensitive floor coverings.

For the elastic design of slabs supporting sustained concentrated loads, a modulus of subgrade reaction (k) of 175 pounds per cubic inch (pounds per square inch per inch of deflection) may be used. This value is for a 1-foot by 1-foot square loaded area and should be adjusted by the structural designer for the area of the proposed building slab using appropriate elastic theory.

Concrete hardscape should be supported on non-expansive, compacted soils as discussed in the "Placement and Compaction of Fill" section. Suitable soils, such as the onsite sandy silts and silty sands, are anticipated to be readily available within the upper 7 feet below existing grades. Clays are not suitable for direct support of slabs and hardscape. The subgrade soils should not be allowed to dry out prior to concrete placement or additional processing and moisture conditioning will be required.

4.6 PAVED AREAS

Pavement design has been based on an assumed R-value of 25, which is consistent with the upper silty sands and sandy silts encountered. R-value testing should be performed prior to construction of the pavement sections to confirm the preliminary design. The California Division of Highways Design Method was used for design of the recommended preliminary pavement sections. These recommendations are based on the assumption that the pavement subgrades will consist of existing near surface soils. The following pavement sections are recommended:

PAVEMENT AREA	TRAFFIC INDEX	SECTION THICKNESS (inches)	
		ASPHALT/PORTLAND CONCRETE	AGGREGATE BASE COURSE
Asphalt Concrete			
Playground (no vehicles)	--	2.0	3.0
Automobile Parking	4.0	3.0	5.0
Automobile Drives	5.0	3.0	7.0
Truck/Bus Drives	6.0	3.5	9.0
Portland Cement Concrete			
Automobile Parking	4.0	6.0	4.0
Automobile Drives	5.0	6.5	4.0
Truck/Bus Drives	6.0	7.0	4.0

The portland cement concrete used for paving should have a modulus of rupture of at least 550 psi (equivalent to an approximate compressive strength of 3,700 psi at the time the pavement is subjected to traffic). If the site is base paved prior to the start of building construction, the above pavement sections should be re-evaluated based on the anticipated construction traffic loads.

The pavement subgrade underlying the aggregate base should be properly prepared and compacted in accordance with the recommendations outlined under "Subgrade Preparation".

The pavement base course should be compacted to at least 95 percent of the maximum dry density (ASTM D 1557). Aggregate base should conform to the requirements of Section 200-2 of the Standard Specifications for Public Works Construction (Green Book) for crushed aggregate base (CAB) materials.

The above recommendations are based on the assumption that the base course and compacted subgrade will be properly drained. The design of paved areas should incorporate measures to prevent moisture build-up within the base course, which can otherwise lead to premature pavement failure. For example, curbing adjacent to landscaped areas should be deep enough to act as a barrier to infiltration of irrigation water into the adjacent base course.

4.7 RETAINING STRUCTURES AND SHORING

Based on information available to us at the time this report was prepared, significant retaining walls are not planned but relatively tall walls may be required for subterranean parking levels, if constructed. The following recommendations are provided for cantilevered site walls or subterranean building walls up to 15 feet in height. We recommend that walls be properly drained and backfilled with sandy soils (less than 40 percent passing the No. 200 sieve). The onsite clays and silts are not suitable for use as retaining wall backfill where conventional backfill is used.

Although data provided by CGS indicates an approximate historical high groundwater level of 15 feet below existing grades, we did not encounter groundwater within the 60-foot depth explored. Based on current groundwater management practices, the potential for groundwater to negatively impact the proposed development is considered to be negligible.

4.7.1 Basement and Retaining Walls

Active earth pressures can be used for designing walls that can yield at least ½-inch laterally per 10 feet of wall height under the imposed loads. For level, drained backfill, derived from non-expansive granular soils (El 20), a lateral pressure of an equivalent fluid weighing of 38 pounds per cubic foot may be used. At-rest pressures should be used for restrained walls that remain rigid enough to be essentially non-yielding. For select, non-expansive, level, drained backfill, a lateral pressure of an equivalent fluid weighing 54 pounds per cubic foot can be used. If the wall backfill is not drained, the combined earth and water pressures could be much higher.

A seismic lateral pressure should be used for the design of retaining walls as required. We recommend a seismic lateral pressure of 20 pounds per cubic foot be added to the active earth pressure recommended above. If at-rest pressure is used to design the retaining wall, the total lateral pressure used (at-rest plus seismic) is not required to exceed the total active plus seismic pressure (58 pounds per cubic foot).

Walls subject to surcharge loads should be designed for an additional uniform lateral pressure equal to one-third and one-half the anticipated surcharge pressure for unrestrained and restrained walls, respectively.

The recommended pressures assume that the supported earth will be fully drained, preventing the build-up of hydro-static pressures. For traditional backfilled retaining walls, a drain consisting of perforated pipe and gravel, wrapped in a suitable filter fabric should be used. As a minimum, one cubic foot of rock should be used for each lineal foot of drain. The fabric (non-woven filter fabric, Mirafi 140N or equivalent) should be lapped at the top. For basement walls cast directly against temporary shoring, we recommend a drainage board be placed between the wall and shoring that extends from about 3 feet below finished grade down to the base of the wall. The drainage board should be connected to a suitable collection device and discharged to a sump.

4.7.2 Temporary Shoring

Where there is not sufficient space for sloped embankments, such as along the property limits or adjacent to existing structures, shoring will be required. One method of shoring would consist of steel soldier piles placed in drilled holes and backfilled with concrete. Driven or vibrated soldier piles may also be more economical alternative to drilled holes, and they can be used for supporting cuts that do not support existing structures.

For cantilever shoring with level backfill, the magnitude of active pressure is equivalent to the pressures imposed by a fluid weighing 38 pounds per cubic foot (pcf). For sloping backfill with a 1:1 inclination, the active pressure would be 65 pcf.

In addition to the recommended earth pressure, the shoring should be designed for surcharge loads due the adjacent structures and construction traffic surcharge loads. The upper 10 feet of the shoring adjacent to streets should be designed to resist a uniform lateral pressure of 100 pounds per square foot, acting as a result of an assumed 300 pound per square foot surcharge behind the shoring due to normal street traffic. If traffic is kept at least 10 feet from the shoring, the traffic surcharge may be neglected. Existing adjacent structures will impart a surcharge load on shoring. The location and depth of the adjacent building footings, as well as the loading, will need to be determined to estimate the surcharge pressure on the shoring.

For design of soldier piles spaced at least two diameters on centers, the allowable lateral bearing value (passive value) of the soils below the excavation may be taken to be 550 pounds per square foot at the excavated surface, up to a maximum of 5,500 psf. To develop the full lateral value, provisions should be made to assure firm contact between the soldier piles and the undisturbed soils. The concrete placed in the soldier pile excavation below the excavated level may be a lean mix, but it should be of adequate strength to transfer the imposed loads to the surrounding soils.

The shoring contractor should evaluate the potential drilling conditions when planning the installation methods.

Driven or vibrated soldier piles may be a feasible and more economical alternative. If soldier piles are vibrated or driven, predrilling should not be allowed below the planned excavation level. Predrilling should be performed with a continuous flight auger capable of reversing the auger to minimize the removal of soil during the process. The diameter used for predrilling should not exceed 80 percent of the maximum depth of the soldier pile section. For design, the width of the driven or vibrated pile should be taken as the width of the flange.

The frictional resistance between the soldier piles and the retained earth may be used in resisting the downward component of the anchor load, if used. The coefficient of friction between the soldier pile and the retained earth may be taken as 0.35. This value is based on the assumption that uniform full bearing will be developed between the steel soldier beam and the lean-mix concrete and between the lean mix concrete and

the retained earth. In addition, provided the portion of the soldier piles below the excavated level is backfilled with structural concrete, the soldier piles below the excavated level may be used to resist downward loads. The frictional resistance between the concrete soldier piles and the soils below the excavated level may be taken as equal to 400 pounds per square foot.

Continuous lagging will be required between the soldier piles. Careful installation of the lagging will be necessary to achieve bearing against the retained earth. We recommend that the voids between the lagging and retained earth be backfilled with a lean-mix sand-cement slurry prior to continuing the excavation deeper. The soldier piles should be designed for the full anticipated lateral pressure. However, the pressure on the lagging will be less because of arching of the soils between piles. We recommend that the lagging be designed for the recommended earth pressure but limited to a maximum value of 400 pounds per square foot, provided the soldier beam spacing is 8 feet or less.

It is difficult to accurately predict the amount of deflection of the shored embankment. It should be realized, however, that some deflection will occur. Adjacent to city right-of-way, the shoring should be designed to limited deflection to 1-inch. We recommend limiting the lateral deflection of shoring adjacent to structures to ½-inch. If greater deflection occurs during construction, additional bracing may be necessary. In areas where less deflection is desired, such as adjacent to existing settlement sensitive improvements, the shoring should be designed for higher lateral earth pressures.

We recommend performing a detailed survey of the improvements to be supported above the planned shoring prior to and during the shoring installation. The survey should include topographic data and a video account of the condition of the existing improvements, including cracks or signs of distress. During construction, the monitoring should consist of periodic surveying of the lateral and vertical locations of the tops of the soldier piles. We suggest weekly readings during the excavation and for the first three weeks after achieving the bottom of the excavation. After that time, the readings should be performed every other week until the completion of the basement walls.

4.8 CORROSION

Resistivity testing indicated that the on-site soils are moderately corrosive to ferrous metals. GPI does not practice corrosion engineering. We recommend that a corrosion engineering firm, such as HOR, be consulted if corrosion protection recommendations are required.

4.9 SURFACE DRAINAGE AND INFILTRATION

Positive surface gradients should be provided adjacent to structures so as to direct surface water run-off and roof drainage away from foundations and slabs toward suitable discharge facilities. Long-term ponding of surface water should not be allowed on pavements or adjacent to buildings.

Field infiltration testing was not included in our scope. The potential for water to infiltrate into a soil is based on the gradation and in-place density of a soil. Based on the subsurface conditions encountered, sandy soils were present within the upper 12 feet in our explorations. These soils may be suitable for infiltration, although the infiltration rates may be limited because of the presence of stiff silts and clays underlying the sandier materials. We recommend subsurface infiltration options be located a lateral distance of at least 30 feet from existing or proposed structures. Increased lateral offsets should be used for retaining walls or planned subterranean structures.

4.10 GEOTECHNICAL OBSERVATION AND TESTING

We recommend that a representative of GPI observe the earthwork during construction to confirm that the recommendations provided in our report are applicable during construction. The earthwork activities include grading, compaction of fills, subgrade preparation, pavement construction and foundation excavations. If conditions are different than expected, we should be afforded the opportunity to provide an alternate recommendation based on the actual conditions encountered.

5.0 LIMITATIONS


This report, exploration logs, and other materials resulting from GPI's efforts were prepared exclusively for use by the Los Angeles Unified School District and their consultants in designing the proposed development. The report is not intended to be suitable for reuse on extensions or modifications of the project or for use on project other than the currently proposed development as it may not contain sufficient or appropriate information for such uses.

Soil deposits may vary in type, strength, and many other important properties between points of exploration due to non-uniformity of the geologic formations or to man-made cut and fill operations. While we cannot evaluate the consistency of the properties of materials in areas not explored, the conclusions drawn in this report are based on the assumption that the data obtained in the field and laboratory are reasonably representative of field conditions and are conducive to interpolation and extrapolation.


Furthermore, our recommendations were developed with the assumption that a proper level of field observation and construction review will be provided by GPI during grading, excavation, and foundation construction. If construction phase services are performed by others they must accept full responsibility for geotechnical aspects of the project, including this report.

Our investigation and evaluations were performed using generally accepted engineering approaches and principles available at this time and the degree of care and skill ordinarily exercised under similar circumstances by reputable geotechnical engineers practicing in this area. No other representation, either expressed or implied, is included or intended in our report.

Respectfully submitted,
Geotechnical Professionals Inc.

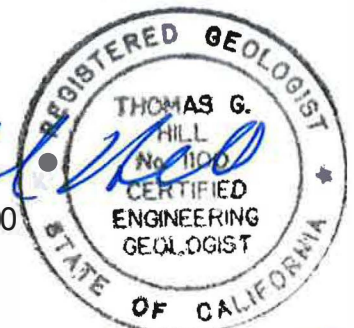

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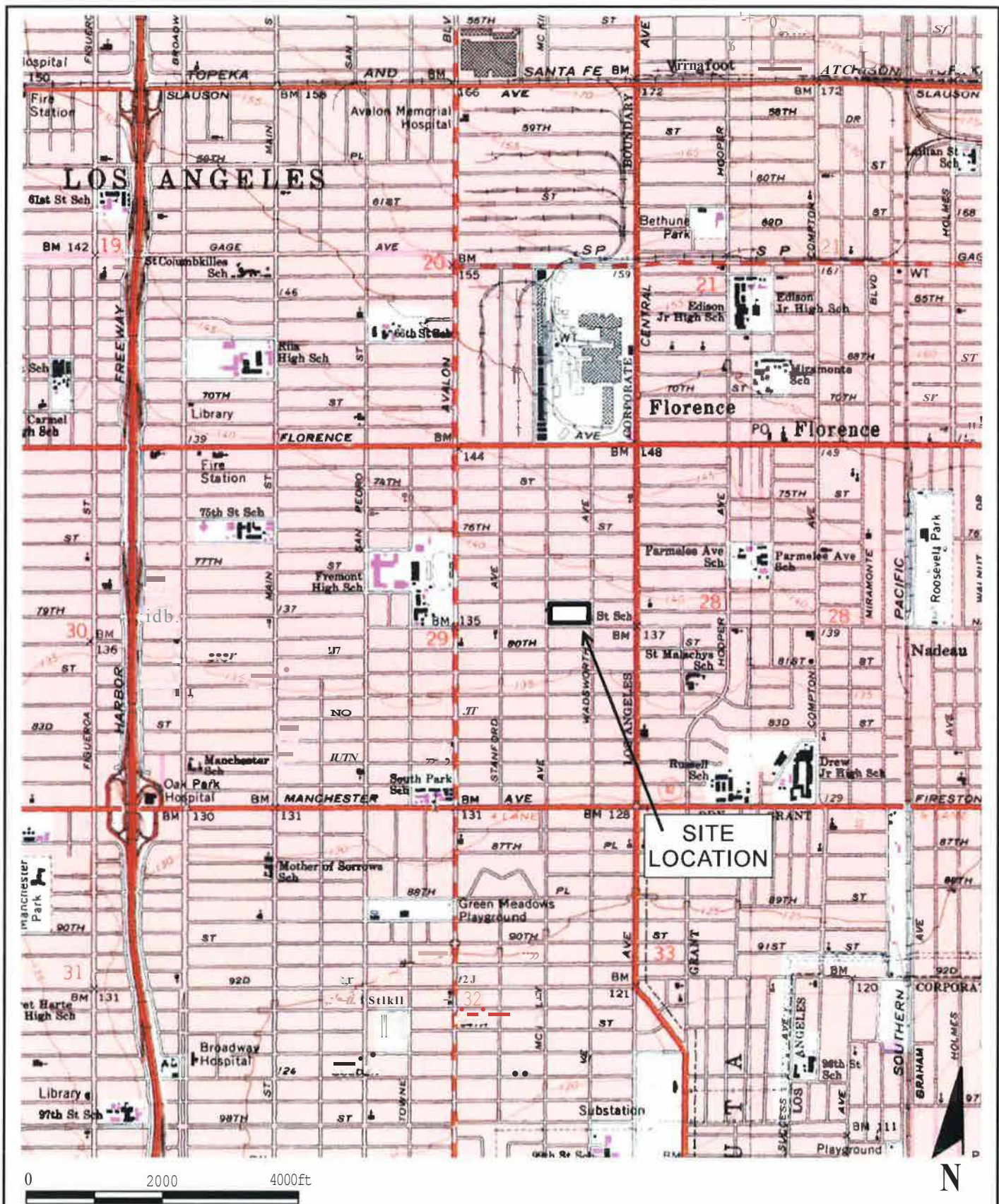


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Exp 9.30.18

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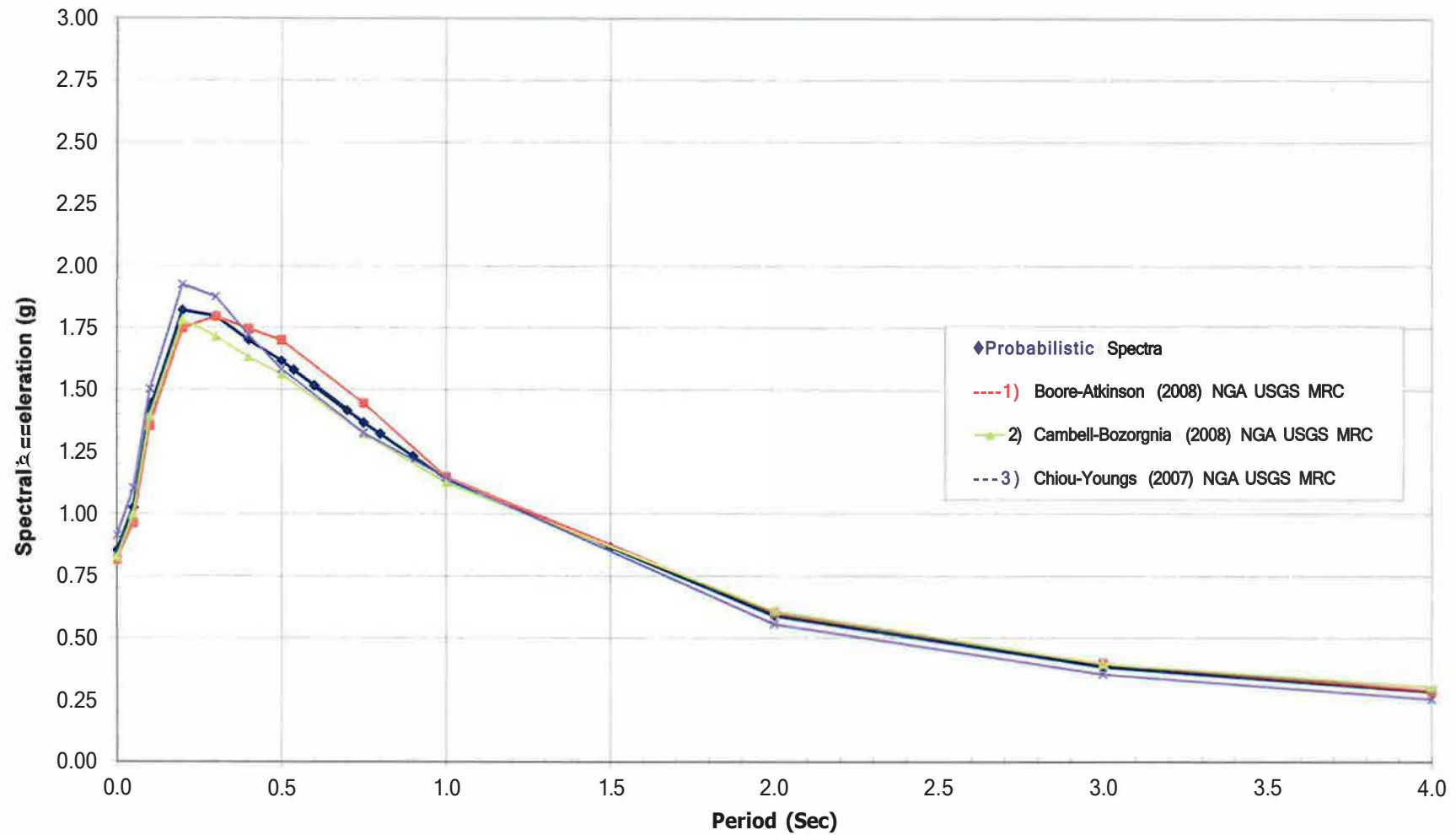
MCKINLEY AVENUE ELEMENTARY SCHOOL

GPI PROJECT NO. 2677.181

SCALE: 1" = 2000'

SITE LOCATION MAP

FIGURE 1



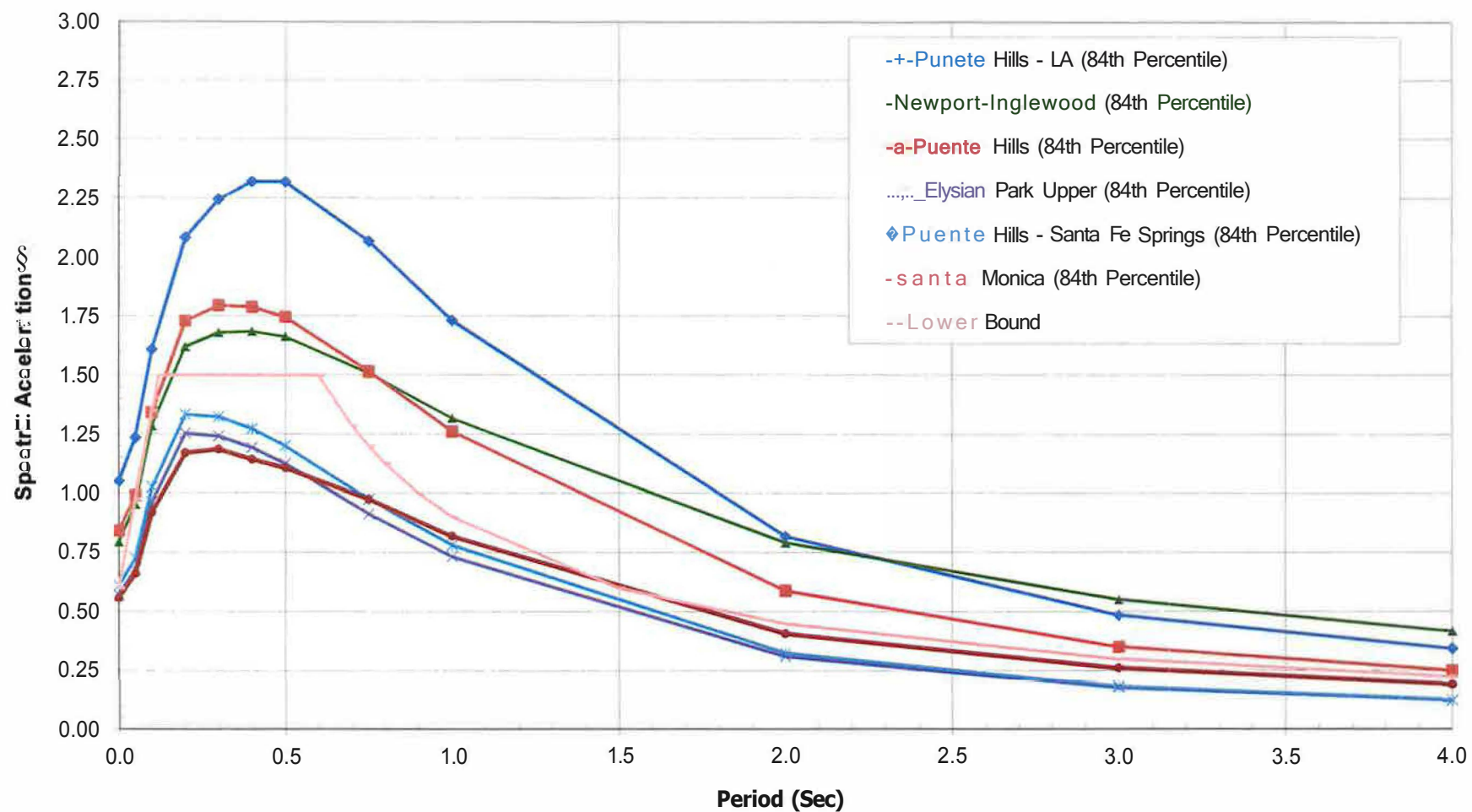
Probabilistic MCE_R Response Spectra at 5% Damping
McKinley Avenue Elementary School
Los Angeles Unified School District
Los Angeles, California



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Project No. 2677.181

FIGURE 3



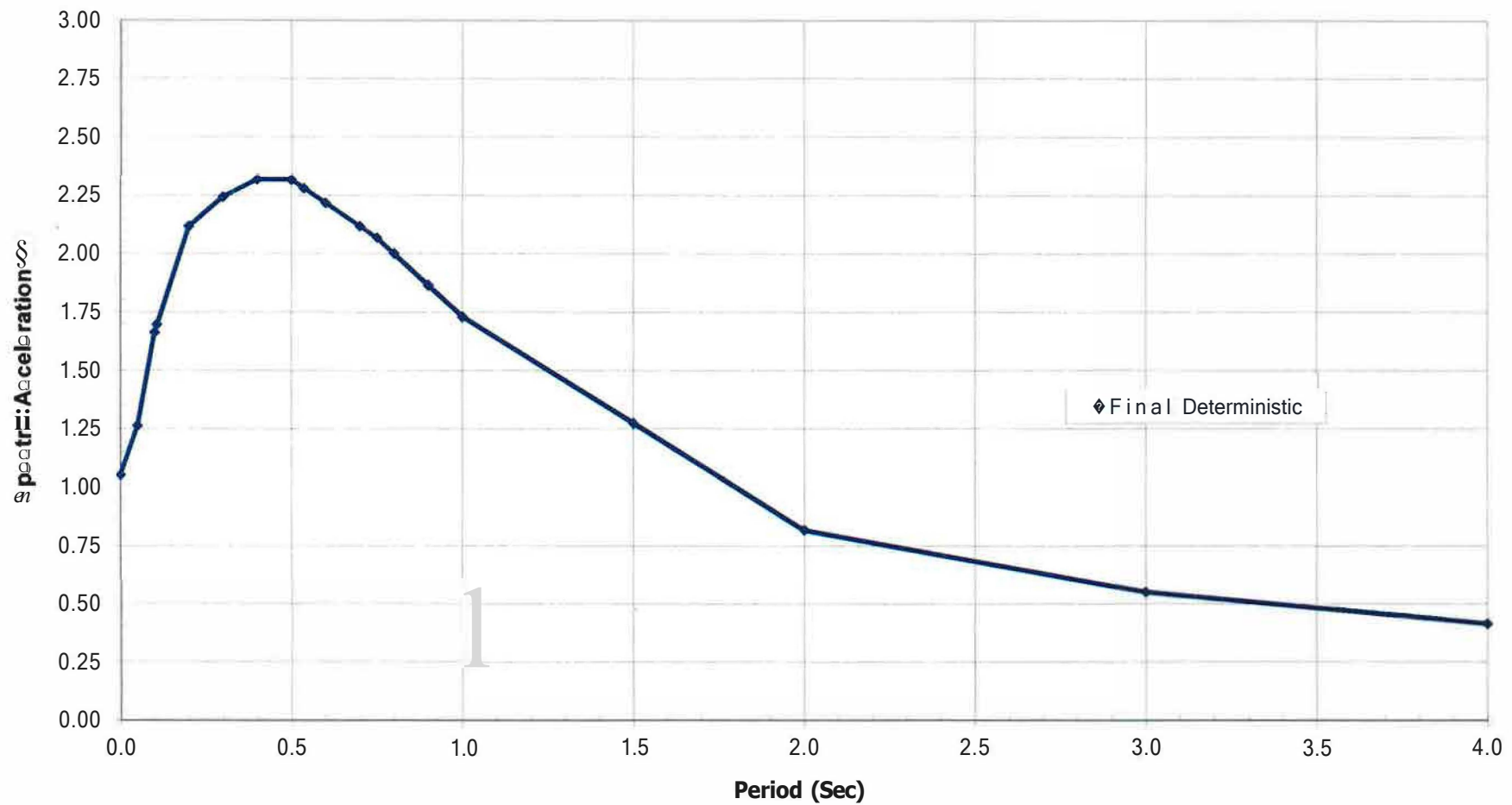
Deterministic Response Spectra at 5% Damping - Select Faults
McKinley Avenue Elementary School
Los Angeles Unified School District
Los Angeles, California



**GEOTECHNICAL
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Project No. 2677.181

FIGURE 4

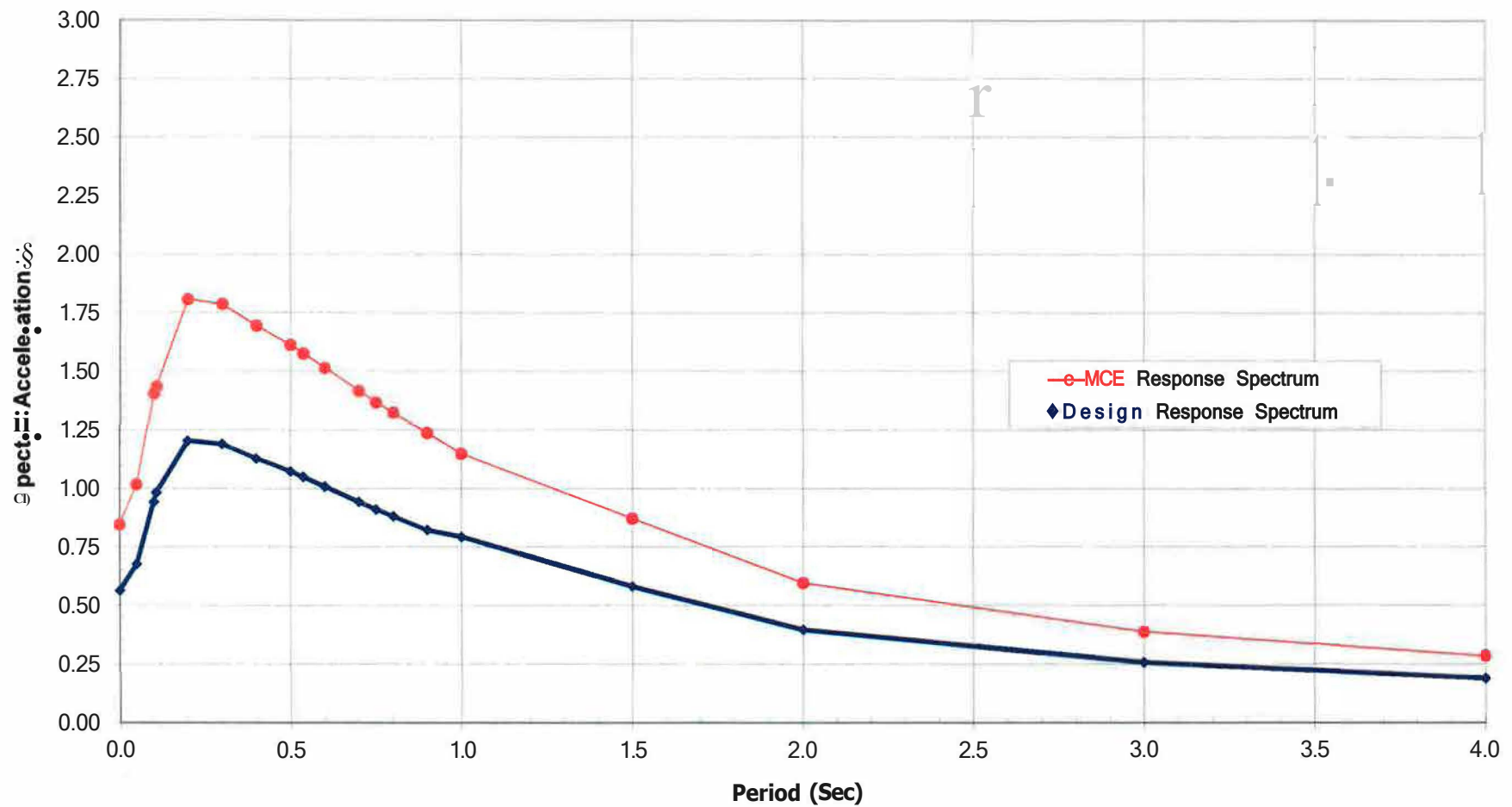


Deterministic Response Spectrum at 5% Damping - Upper Bound
McKinley Avenue Elementary School
Los Angeles Unified School District
Los Angeles, California

r::?DI GEOTECHNICAL
 PROFESSIONALS, INC.

Project No. 2677.181

FIGURE 5



MCE_R and Design Response Spectra at 5% Damping Per 2016 CBC
McKinley Avenue Elementary School
Los Angeles Unified School District
Los Angeles, California



**GEOTECHNICAL
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Project No. 2677.181

FIGURE 6

TABLE 1
RISK-TARGETED SITE SPECIFIC SEISMIC RESPONSE SPECTRA WORKSHEET

(DJB 7/28/14 Based Upon ASCE 7-10)

Project	McKinley ES
Proj. No.	2677.181
Latitude	33.9679
Longitude	-118.2598

Site Class	D
T ₀	0.107 sec
T ₁	0.537 sec
T _L	8.0 sec

Parameter	2016 CBC Value
S ₁	1.846
S ₁	0.661
F _a	1.000
F _v	1.500
S _M	1.846
S _M	0.992
S _{0.5}	1.231
S _{0.1}	0.661
S _{0.5/2.5}	0.492

Parameter	2016 CBC Value
C _R	0.992
C _R	1.006
0.08 F _v /F _a	0.120
0.4F	0.600
PGA _M	0.673

Attenuation Relationships

- 1) Boore-Atkinson (2008) NGA USGS MRC
- 2) Campbell-Bozorgnia (2008) NGA USGS MRC
- 3) Chiou-Youngs (2007) NGA USGS MRC

**SITE-SPECIFIC
PARAMETERS**

S_M	1.806
S_M	1.193
S_{0.5}	1.204
S_{0.1}	0.795
PGA	0.57

11	21	3)	4)	5)	6)	7)	8)	9)	10)	11)	12)
Period (sec)	Risk-Targeted MCE _R Spectrum (g)	2016 CBC Design Response Spectrum	Risk Coefficient C _R	MCE _R Deterministic Lower Limit Spectrum	Probabilistic Spectra; 2% in 50 years (g)	Probabilistic w/ Risk Coefficient (C _R)	84th Percentile Deterministic Spectrum	Site Specific MCE _R Spectrum	2/3 Site Specific MCE _R Spectrum	80% of 2016 CBC Design Spectrum	Design Response Spectrum
0.000	0.673	0.449	0.992	0.600	0.855	0.848	1.052	0.848	0.565	0.359	0.565
0.050	1.254	0.836	0.992	0.975	1.027	1.019	1.263	1.019	0.679	0.669	0.679
0.100	1.769	1.180	0.992	1.350	1.418	1.407	1.664	1.407	0.938	0.944	0.944
0.107	1.846	1.231	0.992	1.406	1.448	1.436	1.698	1.436	0.958	0.985	0.985
0.200	1.846	1.231	0.992	1.500	1.821	1.806	2.118	1.806	1.204	0.985	1.204
0.300	1.846	1.231	0.994	1.500	1.797	1.786	2.245	1.786	1.191	0.985	1.191
0.400	1.846	1.231	0.996	1.500	1.702	1.694	2.320	1.694	1.130	0.985	1.130
0.500	1.846	1.231	0.997	1.500	1.617	1.613	2.319	1.613	1.075	0.985	1.075
0.537	1.846	1.231	0.998	1.500	1.580	1.576	2.282	1.576	1.051	0.985	1.051
0.600	1.653	1.102	0.999	1.500	1.517	1.515	2.219	1.515	1.010	0.881	1.010
0.700	1.416	0.944	1.001	1.286	1.416	1.417	2.119	1.417	0.945	0.755	0.945
0.750	1.322	0.881	1.002	1.200	1.366	1.368	2.069	1.368	0.912	0.705	0.912
0.800	1.239	0.826	1.003	1.125	1.321	1.325	2.002	1.325	0.883	0.661	0.883
0.900	1.102	0.734	1.004	1.000	1.232	1.237	1.867	1.237	0.825	0.588	0.825
1.000	0.992	0.661	1.006	0.900	1.143	1.150	1.732	1.150	0.767	0.529	0.795
1.500	0.661	0.441	1.006	0.600	0.868	0.873	1.276	0.873	0.582	0.353	0.582
2.000	0.496	0.331	1.006	0.450	0.593	0.596	0.820	0.596	0.398	0.264	0.398
3.000	0.331	0.220	1.006	0.300	0.386	0.388	0.553	0.388	0.259	0.176	0.259
4.000	0.248	0.165	1.006	0.225	0.285	0.286	0.416	0.286	0.191	0.132	0.191

SITE SPECIFIC SEISMIC RESPONSE SPECTRA WORKSHEET

(DJB 7/28/14 Based Upon ASCE 7.10)

INPUT BLUE ONLY - BLACK CALCULATED

Column Descriptions

- 01) Periods including T_o and T_s calculated from US Seismic Design Maps (2010 ASCE)
 - 02) USGS, U.S. Seismic Design Maps Web Application - MCEs Response Spectrum
 - 03) USGS, U.S. Seismic Design Maps Web Application - Design Spectrum (2/3 of Column B)
 - 04) Risk Coefficient, C_R , for 0.2s and 1.0s periods (Section 21.2.1.1); from Web Application
 - 05) Deterministic Lower Limit on MCEs (Figure 21.2-1)
 - 06) EZ-Frisk, 2% in 50 years Probabilistic Spectrum (Section 21.2.1.1)
 - 07) EZ-Frisk, Probabilistic MCE_R Spectrum (Section 21.2.1.1)
 - 08) EZ-Frisk, 84th Percentile Deterministic Spectrum (Section 21.2.2)
 - 09) Site-Specific M C \diamond (Section 21.2.3); Lesser of Column 7 and Greater of Columns 5 and 8
 - 10) Uncorrected Design Response Spectrum (Section 21.3), 2/3 of Column 9
 - 11) 80% of 2013 CBC Design Spectra (Column 3), (Section 21.3) Lower Limit of the Design Spectrum
 - 12) Design Response Spectrum (Section 21.3); Greater of Columns 10 and 11
- T_L = Figure 22-12 ASCE 7-10 (typically 8 sec Southern California)

Minimum Allowable Value of P_{GA} : **0.538**
(80% of $P_{G, \frac{3}{4}}$)

Minimum Allowable Value of S_{os} : **1.071**
(90% of S_{os} at any period)

Minimum Allowable Value of S_{o1} : **0.795**
(200% of S_o at 2 sec)

MUST CHECK THAT VALUES EXCEED MINIMUMS

APPENDIX A

APPENDIX A

CONE PENETRATION TESTS

The subsurface conditions were investigated by performing five Cone Penetration Tests (CPT's) at the site. The soundings were advanced to depths of 40 to 60 feet below existing grades. The locations of the CPT's are shown on the Site Plan, Figure 2.

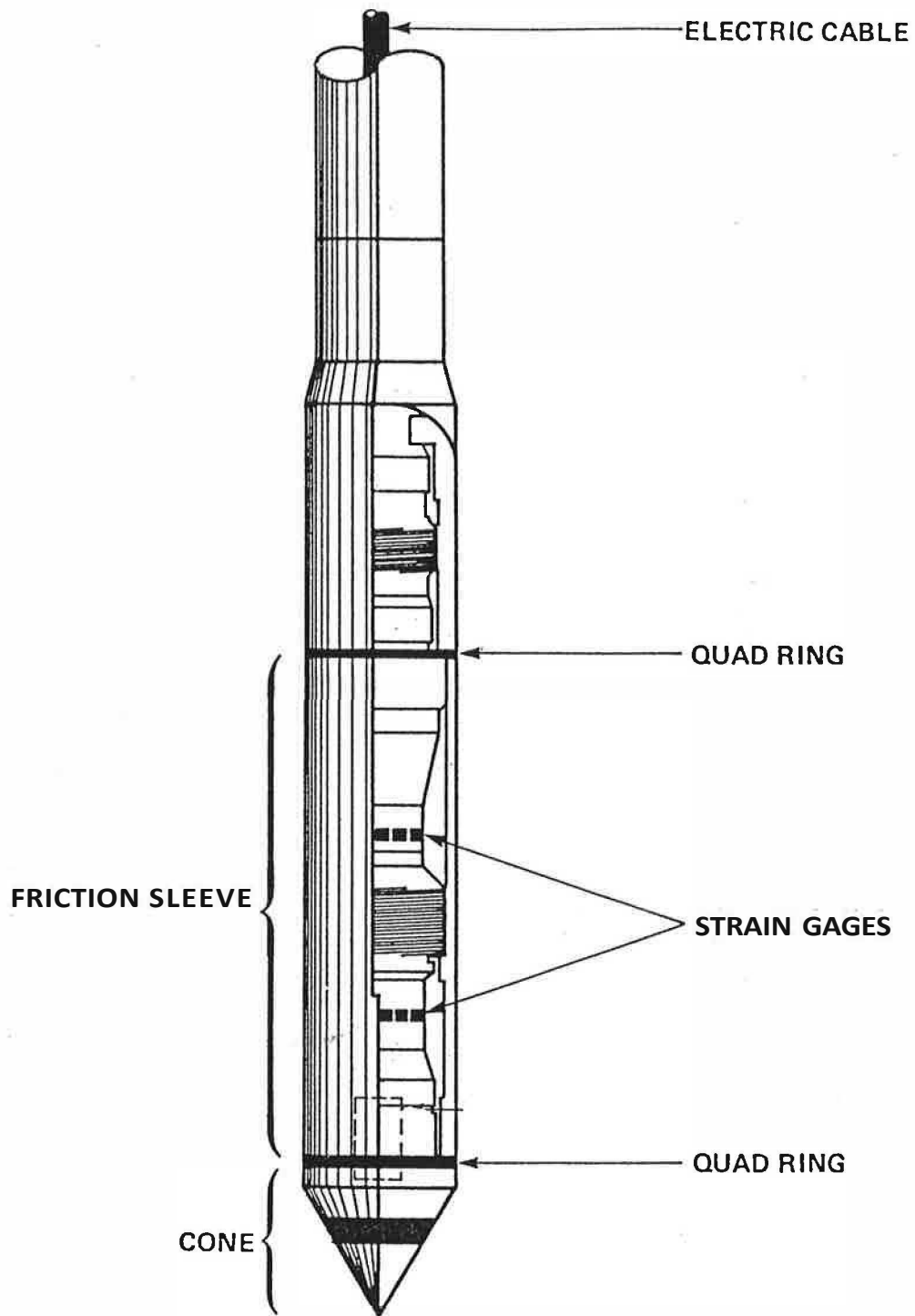
The Cone Penetration Test consists of pushing a cone-tipped probe into the soil deposit while simultaneously recording the cone tip resistance and side friction resistance of the soil to penetration (refer to Figure A-1). The CPT described in this report was conducted in general accordance with ASTM specifications (ASTM D 5778) using an electric cone penetrometer.

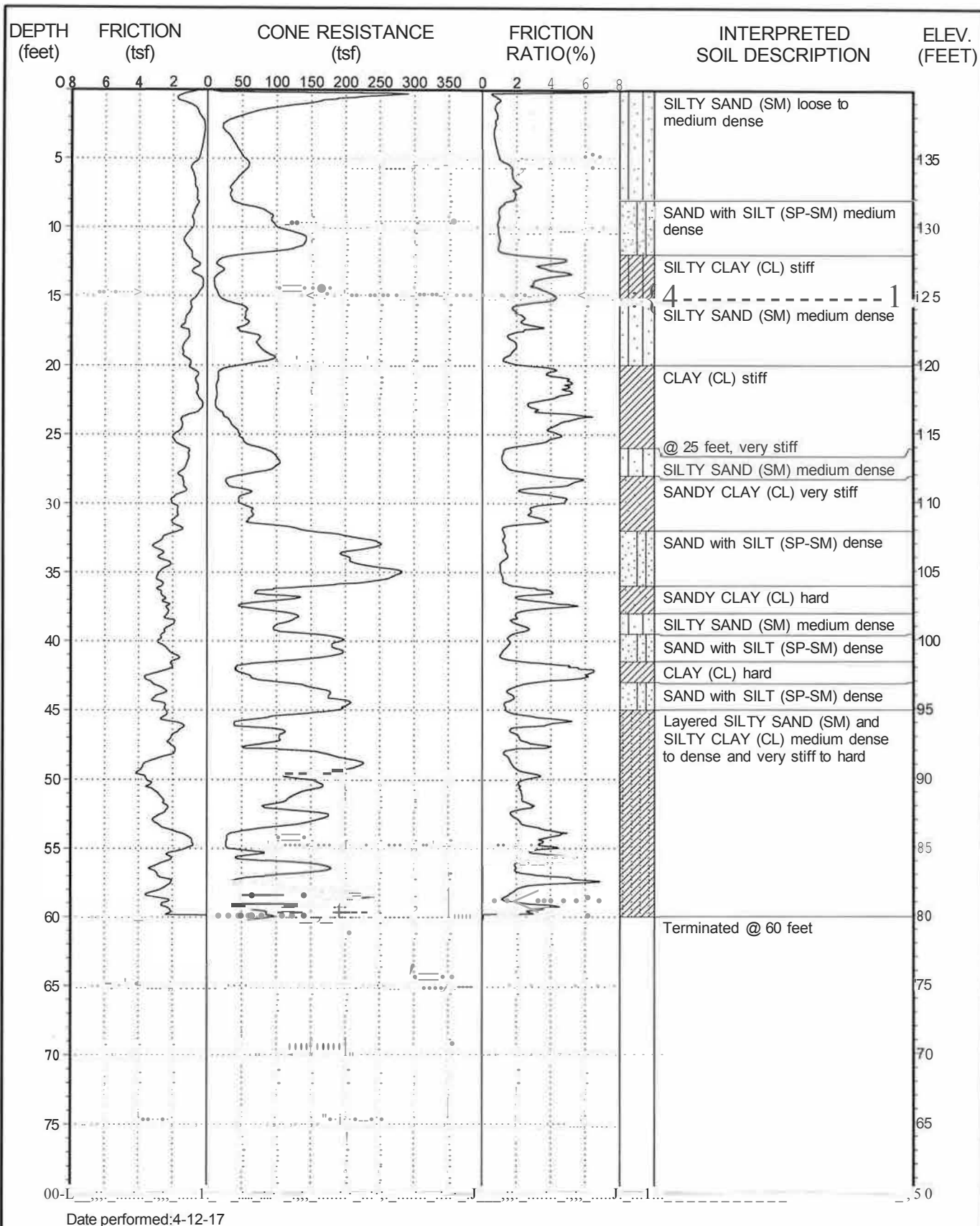
The CPT equipment consists of a cone assembly mounted at the end of a series of hollow sounding rods. A set of hydraulic rams is used to push the cone and rods into the soil while a continuous record of cone and friction resistance versus depth is obtained in both analog and digital form at the ground surface. A specially designed truck is used to transport and house the test equipment and to provide a 30-ton reaction to the thrust of the hydraulic rams.

Standard data obtained during a CPT consists of continuous stratigraphic information with close vertical resolution. Stratigraphic interpretation is based on relationships between cone tip resistance and friction resistance. The calculated friction ratio (CPT friction sleeve resistance divided by cone tip resistance) is used as an indicator of soil type. Granular soils typically have low friction ratios and high cone resistance, while cohesive or organic soils have high friction ratios and low cone resistance. These stratigraphic material categories form the basis for all subsequent calculations which utilize the CPT data.

Computer plots of the reduced CPT data acquired for this investigation are presented in Figures A-2 to A-6 of this appendix. The field testing and computer processing was performed by Kehoe Testing and Engineering under subcontract to Geotechnical Professionals Inc. (GPI). The interpreted soil descriptions were prepared by GPI.

The CPT locations were laid out in the field by measuring from existing site features. Upon completion, the uncaved portions of the CPT holes were backfilled with bentonite chips. CPT's performed in asphalt or concrete areas were patched with cold-patch asphalt or rapid-set concrete, respectively. Ground surface elevations at the CPT locations were estimated from internet sources and should be considered approximate.





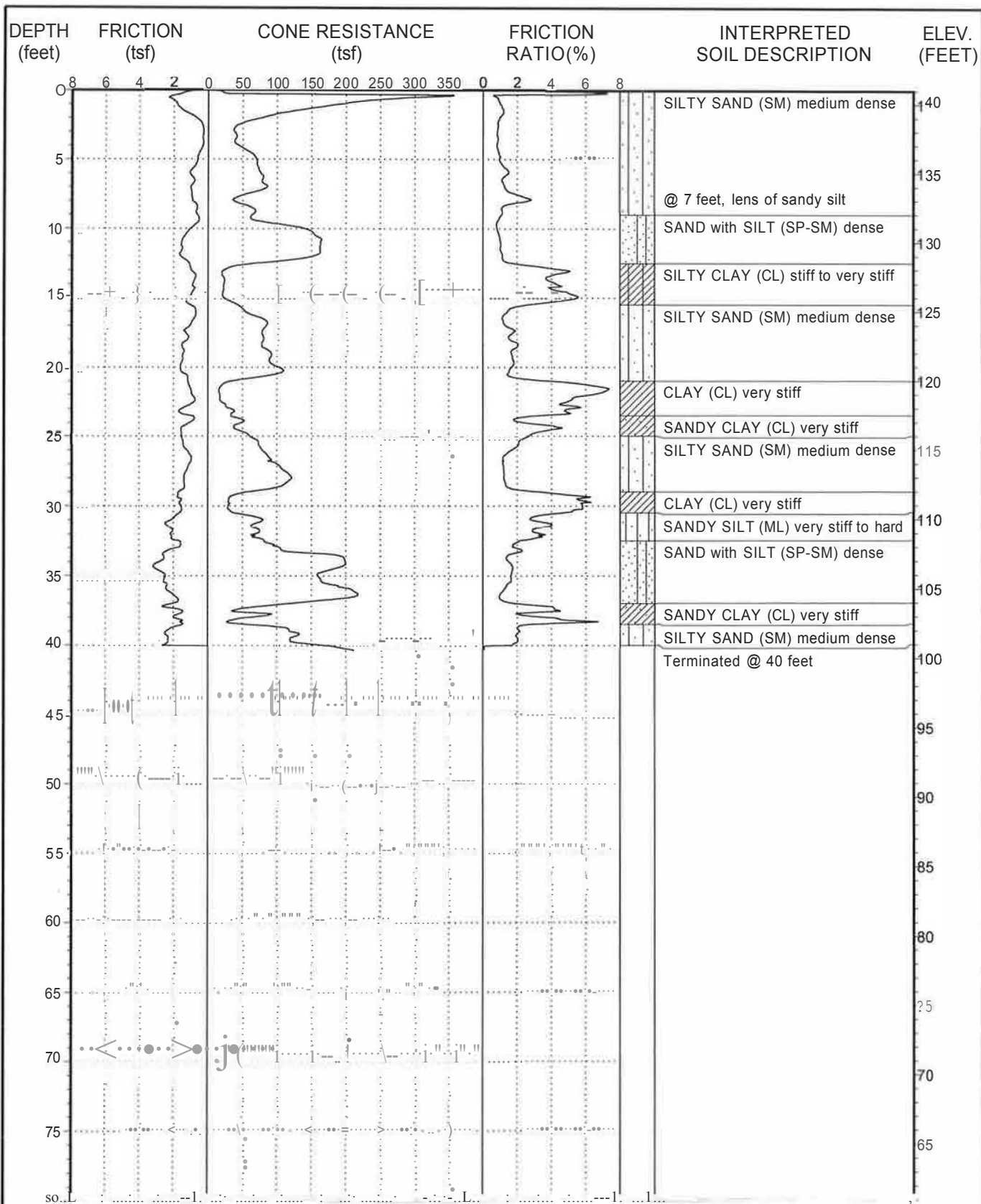
This summary applies only at the location of this cone penetration test and at the time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The interpreted soil description is derived from the friction ratio and cone resistance and is a simplification of actual conditions encountered.



PROJECT NO.: 2677.181
MCKINLEY AVENUE ES

LOG OF CPT NO. C-1

FIGURE A-2



Date performed: 4-12-17

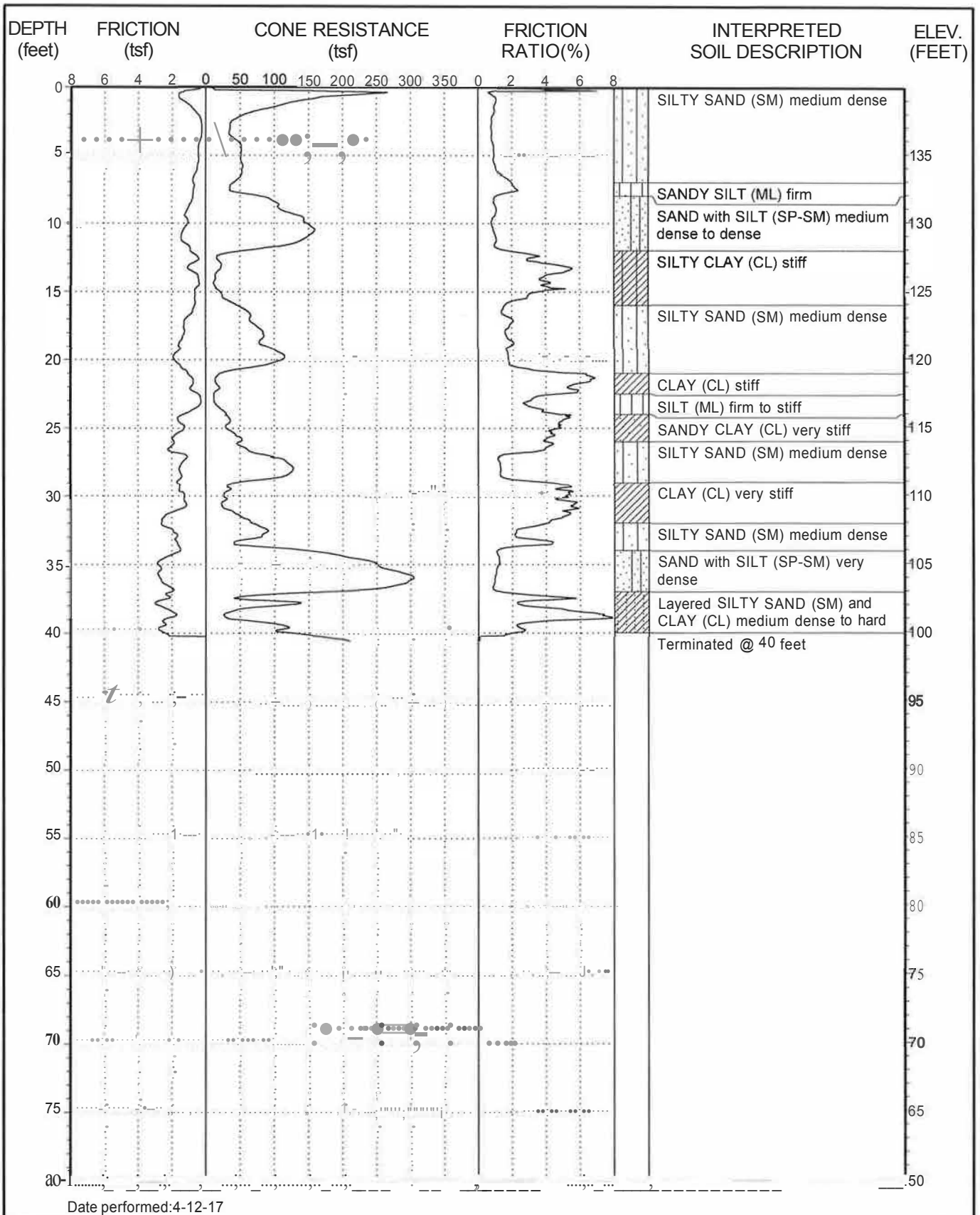
This summary applies only at the location of this cone penetration test and at the time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The interpreted soil description is derived from the friction ratio and cone resistance and is a simplification of actual conditions encountered.



PROJECT NO.: 2677.181
MCKINLEY AVENUE ES

LOG OF CPT NO. C-2

FIGURE A-3



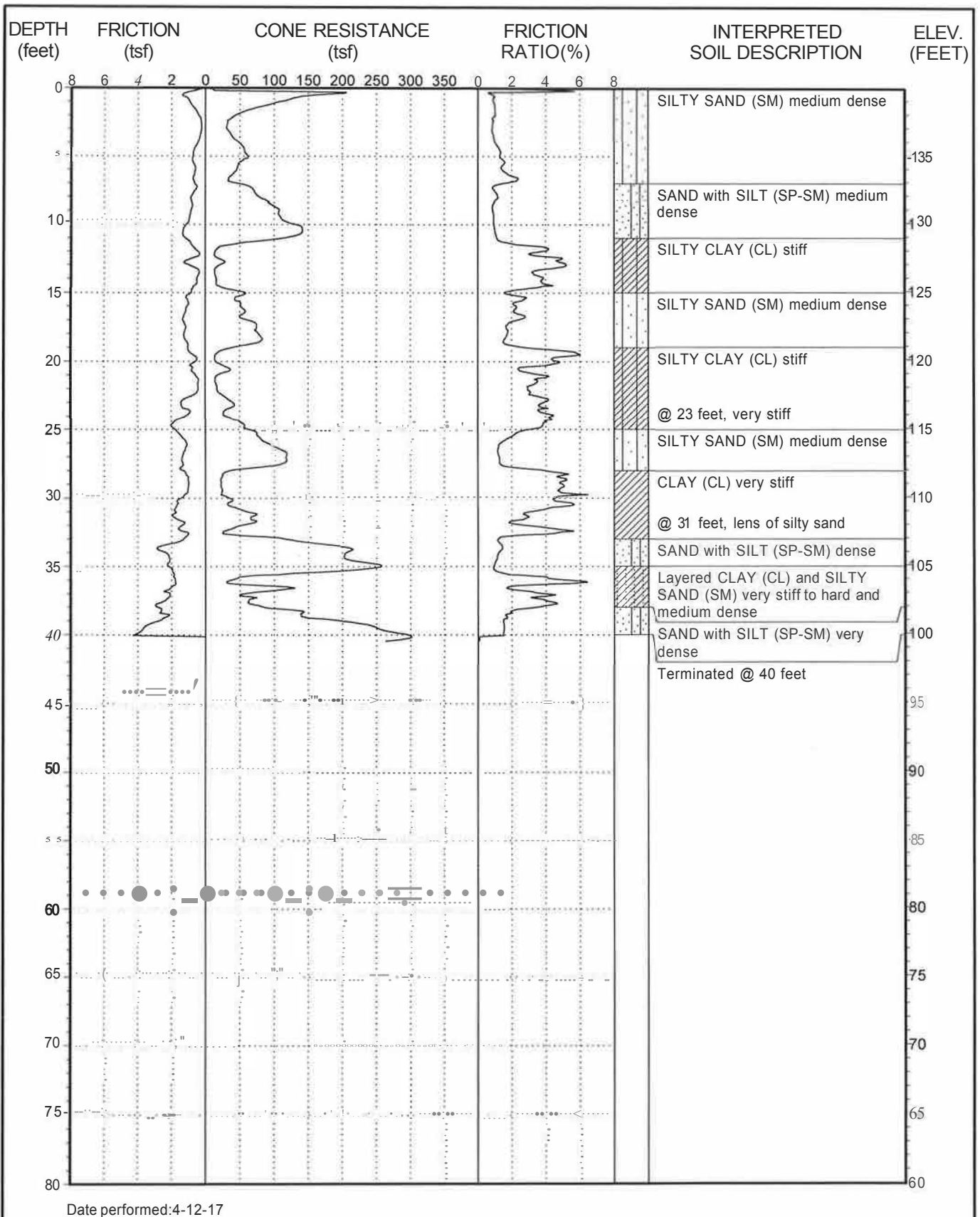
This summary applies only at the location of this cone penetration test and at the time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The interpreted soil description is derived from the friction ratio and cone resistance and is a simplification of actual conditions encountered.

GPI

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MCKINLEY AVENUE ES

LOG OF CPT NO. C-3

FIGURE A-4



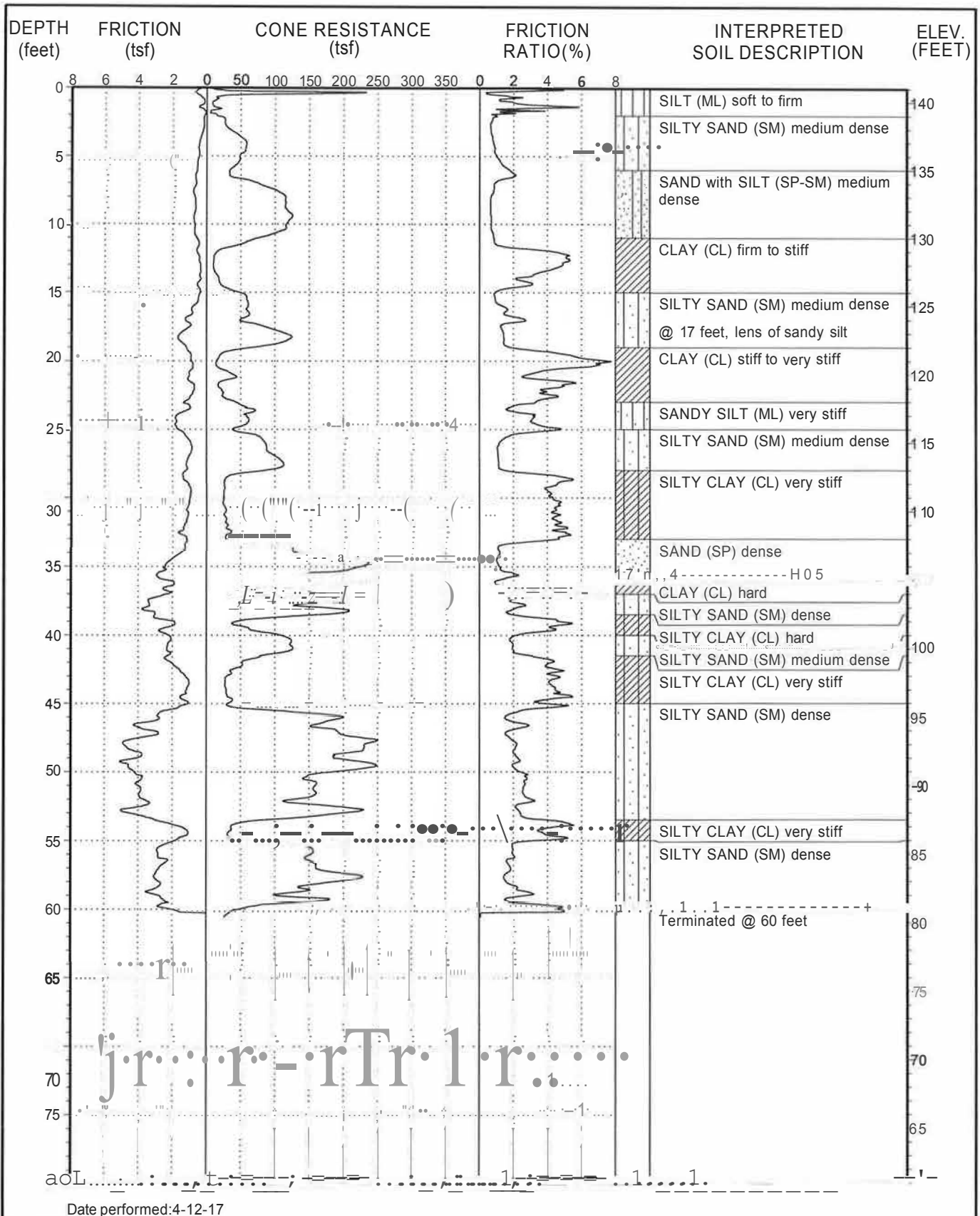
This summary applies only at the location of this cone penetration test and at the time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The interpreted soil description is derived from the friction ratio and cone resistance and is a simplification of actual conditions encountered.

GPI

PROJECT NO.: 2677.181
MCKINLEY AVENUE ES

LOG OF CPT NO. C-4

FIGURE A-5



This summary applies only at the location of this cone penetration test and at the time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The interpreted soil description is derived from the friction ratio and cone resistance and is a simplification of actual conditions encountered.



PROJECT NO.: 2677.181
MCKINLEY AVENUE ES

LOG OF CPT NO. C-5

FIGURE A-6

APPEND/XS

APPENDIX B

EXPLORATORY BORINGS

We investigated the subsurface conditions at the site by drilling and sampling four exploratory borings. The borings were advanced to depths ranging from 20 to 60 feet below the existing ground surface. The locations of the explorations are shown on the Site Plan, Figure 2.

The borings were drilled using truck-mounted hollow-stem auger drill equipment. Relatively undisturbed samples were obtained using a brass-ring lined sampler (ASTM D 3550). The brass-rings have an inside diameter of 2.42 inches. The ring samples were driven into the soil by a 140-pound hammer dropping 30 inches. The number of blows needed to drive the sampler into the soil was recorded as the penetration resistance.

At selected locations, disturbed samples were obtained using a split-spoon sampler by means of the Standard Penetration Test (SPT, ASTM D 6066). The spoon sampler was driven into the soil by a 140-pound hammer dropping 30 inches, employing the "free-fall" hammer described above. After an initial seating drive of 6 inches, the number of blows needed to drive the sampler into the soil a depth of 12 inches was recorded as the penetration resistance. These values are the raw uncorrected blowcounts.

The field explorations for the investigation were performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the borings, classified the soils encountered, and obtained relatively undisturbed samples for examination and laboratory testing. The soils encountered in the borings were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the borings are presented in Figures B-1 to B-4 in this appendix.

The boring locations were laid out in the field by measuring from existing site features. Ground surface elevations at the exploration locations were estimated from internet sources and should be considered approximate.

Boring No.	Depth (ft)	Penetration (lb/ft)	SPT (blows)	Soil Type	DESCRIPTION OF SUBSURFACE MATERIALS		Elevation (ft)
					This summary applies only at the location of this 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.		
03				B	0	Pavement: 5" AC over 0" BASE	135
						Fill: SILTY SAND (SM) brown, moist	
	8.2	95	10	D		Natural: SILTY SAND (SM) brown, moist, loose	
	19.5	90	18	D	5	@ 5 feet, wet, medium dense	130
	15.7	97	15	D		@ 7 feet, very moist	
						SAND with SILT (SP-SM) brown, moist, loose	
	9.4	97	12	D	10		125
						SILTY CLAY (CL) brown, very moist, stiff	
	20.9	99	16	D	15		
						SILTY SAND (SM) brown, wet, medium dense	120
	36.0		6	S	20	CLAY (CL) brown, wet, firm	
	19.3	106	16	D	25	SILTY SAND (SM) brown, wet, medium dense	115
	18.1		18	S	30		110
	3.7	100	30	D	35	SILTY CLAY (CL) brown, dry, very stiff	105
						SILTY SAND (SM) brown, slightly moist, medium dense	

SAMPLE TYPES [9 Rock Core ffi) Standard Split Spoon [Q] Drive Sample @ Bulk Sample IT) Tube Sample		DATE DRILLED: 4-14-17 EQUIPMENT USED: 8" Hollow Stem Auger GROUNDWATER LEVEL (ft): Not Encountered	<div>PI</div> <div>LOG OF BORING NO. B-1</div>	PROJECT NO.: 2677.181 MCKINLEY AVENUE ES
--	--	---	--	---

FIGURE 8-1

SAMPLE TYPES
 [9] Rock Core
 ffl) Standard Split Spoon
 [Q] Drive Sample
 @ Bulk Sample
 IT) Tube Sample

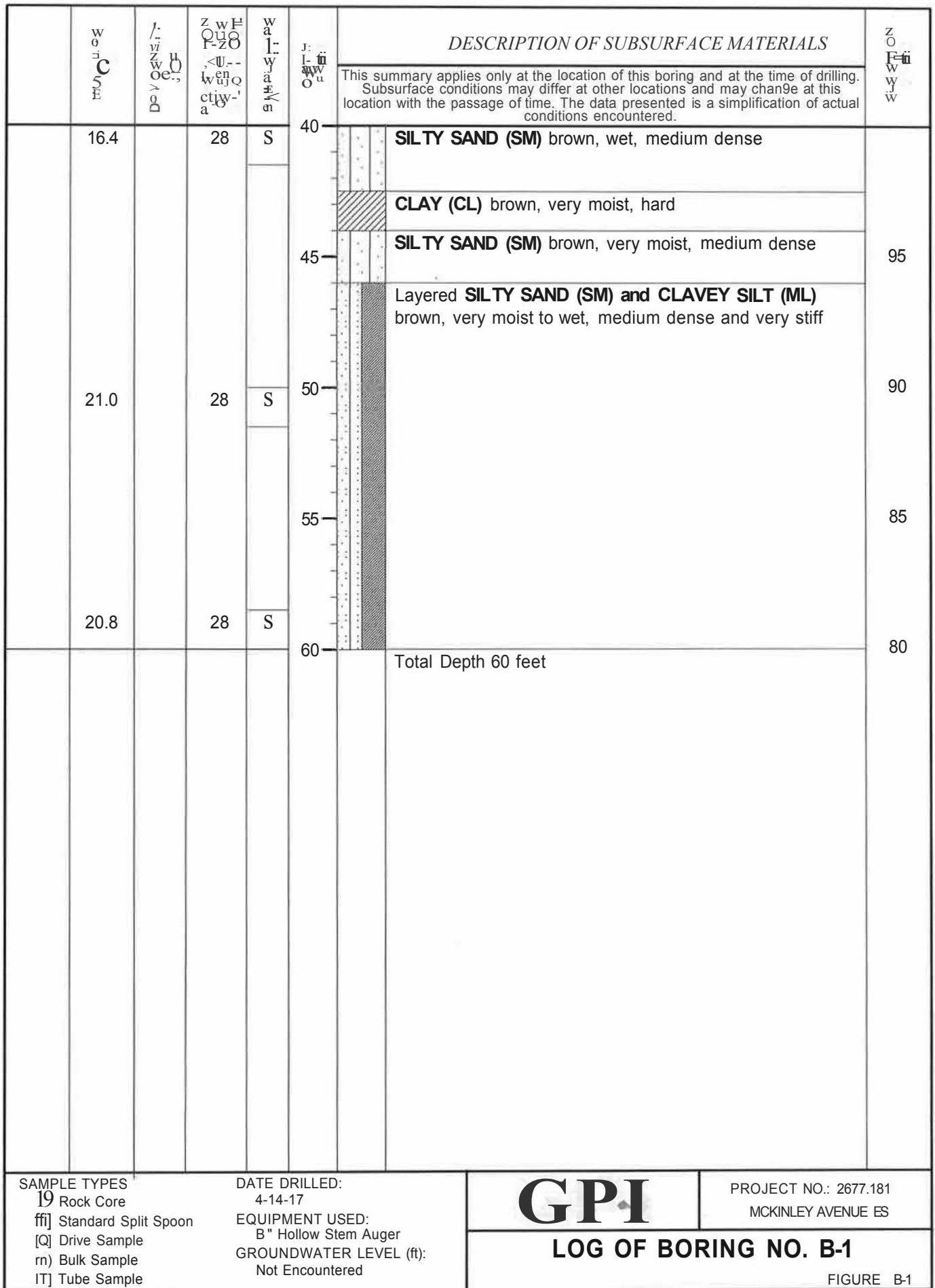
DATE DRILLED:
 4-14-17
 EQUIPMENT USED:
 8" Hollow Stem Auger
 GROUNDWATER LEVEL (ft):
 Not Encountered



PROJECT NO.: 2677.181
 MCKINLEY AVENUE ES

LOG OF BORING NO. B-1

FIGURE 8-1



					DESCRIPTION OF SUBSURFACE MATERIALS			
					This summary applies only at the location of this 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.			
					0	Fill: SANDY SILT (ML) brown, moist	140	
	9.8	94	23	D	5	Natural: SILTY SAND (SM) brown, moist, medium dense	135	
	9.1	92	29	D	10	SAND with SILT (SP-SM) brown, moist, medium dense	130	
	18.6	103	20	D	15	SILTY CLAY (CL) brown, very moist, stiff		
					15	SILTY SAND (SM) brown	125	
	23.4	87	21	D	20	SANDY SILT (ML) brown, wet, stiff		
					Total Depth 20 feet			

SAMPLE TYPES

[g] Rock Core
[ID] Standard Split Spoon
[Q] Drive Sample
[ID] Bulk Sample
[TI] Tube Sample

DATE DRILLED:

4-14-17

EQUIPMENT USED:

8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft):

Not Encountered

GP-I

PROJECT NO.: 2677.181
MCKINLEY AVENUE ES

LOG OF BORING NO. B-2

FIGURE 8-2

						DESCRIPTION OF SUBSURFACE MATERIALS		
						This summary applies only at the location of this 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.		
				B	0		Fill: SILTY SAND (SM) brown, moist	
11.1	101	14	D			Natural: SILTY SAND (SM) brown, moist, loose		
7.9	95	18	D		5-	@ 4 feet, slightly moist, medium dense		135
6.3	103	24	D			@ 6 feet, very stiff		
7.3	97	32	D		10-	SAND with SILT (SP-SM) brown, slightly moist, medium dense		130
17.0	103	16	D		1J	Layered SANDY SILT (ML) and CLAY (CL) brown, very moist, stiff		125
						SILTY SAND (SM) brown, very moist, medium dense		
30.1	93	17	D		20-	SILTY CLAY (CL) dark brown, wet, stiff		120
17.2		13	S		25-	SILTY SAND (SM) brown, wet, medium dense		115
					30-			110
5.2		34	S			SAND with SILT (SP-SM) light brown, slightly moist, medium dense		
					35-1	Total Depth 35 feet		105

SAMPLE TYPES

- [R] Rock Core
- [SS] Standard Split Spoon
- [Q] Drive Sample
- [ff] Bulk Sample
- [IT] Tube Sample


DATE DRILLED:
4-14-17

EQUIPMENT USED:
8" Hollow Stem Auger

GROUNDWATER LEVEL (ft):
Not Encountered

LOG OF BORING NO. 8-3

PROJECT NO.: 2677.181
MCKINLEY AVENUE ES
FIGURE B-3

DEPTH FEET	CORRECTION INCHES	DRY DENSITY PCF	WATER CONTENT PERCENT	SOIL TYPE	DEPTH FEET	DESCRIPTION OF SUBSURFACE MATERIALS		ELEVATION FEET		
						This summary applies only at the location of this 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.				
				B	0	pavement: 3" AC over 3.5" BASE				
7.3	92	11	D			Fill: SILTY SAND (SM) brown, moist				
32.4	78	13	D			Natural: SILTY SAND (SM) brown, moist, loose		135		
8.1	94	21	D		5	@ 4 feet, lens of silt, wet				
14.0	89	27	D		10	SAND with SILT (SP-SM) brown, wet, medium dense		130		
						@ 9 feet, wet				
17.8	98	16	D		15	CLAYEY SILT (ML) brown, moist, very stiff, trace sand		125		
18.9	99	20	D		20	SILTY SAND (SM) brown, very moist, medium dense		120		
15.0		16	S		25	SILTY CLAY (CL) brown, very moist, stiff		115		
					30	SILTY SAND (SM) dark brown to brown, moist to very moist, medium dense		110		
						CLAY (CL) brown, moist to very moist, very stiff				
6.4		31	S		35	SAND with SILT (SP-SM) light brown, slightly moist, medium dense		105		
					35	Total Depth 35 feet				
SAMPLE TYPES [gJ] Rock Core [S] Standard Split Spoon [Q] Drive Sample [I] Bulk Sample [IT] Tube Sample					DATE DRILLED: 4-14-17 EQUIPMENT USED: 8" Hollow Stem Auger GROUNDWATER LEVEL (ft): Not Encountered				PROJECT NO.: 2677.181 MCKINLEY AVENUE ES	
									LOG OF BORING NO. B-4	
									FIGURE B-4	

APPENDIX C

APPENDIX C

LABORATORY TESTS

INTRODUCTION

Representative undisturbed soil samples and bulk samples were carefully packaged in the field and sealed to prevent moisture loss. The samples were then transported to our Cypress office for examination and testing assignments. Laboratory tests were performed on selected representative samples as an aid in classifying the soils and to evaluate the physical properties of the soils affecting foundation design and construction procedures. Detailed descriptions of the laboratory tests are presented below under the appropriate test headings. Test results are presented in the figures that follow.

MOISTURE CONTENT AND DRY DENSITY

Moisture content and dry density was determined from a number of the samples. The samples were weighed to determine the wet weight and then were dried in accordance with ASTM D 2216. After drying, the weight of each sample was measured, and moisture content was calculated. Moisture content values are presented on the boring logs in Appendix B.

ATTERBERG LIMITS

Liquid and plastic limits were determined for select samples in accordance with ASTM D 4318. The results of the Atterberg Limits tests are presented in Figure C-1.

GRAIN SIZE DISTRIBUTION

Select soil samples were dried, weighed, soaked in water until individual soil particles were separated, and then washed on the No. 200 sieve. That portion of the material retained on the No. 200 sieve was oven-dried and weighed to determine the percentage of the material passing the No. 200 sieve. A summary of the percentages passing the No. 200 sieve is presented below.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
8-1	0 - 5	Silty Sand (SM)	25
8-1	10	Sand with Silt (SP-SM)	7
8-1	30	Silty Sand (SM)	43
8-2	4	Silty Sand (SM)	25
8-3	0 - 5	Silty Sand (SM)	37
8-3	24	Silty Sand (SM)	39
8-3	33.5	Sand with Silt (SP-SM)	8

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
B-4	0 - 5	Silty Sand (SM)	29
B-4	6	Sand with Silt (SP-SM)	8

DIRECT SHEAR

Direct shear tests were performed on select samples in accordance with ASTM D 3080. Tests were performed on relatively undisturbed samples and samples remolded to 90 percent relative compaction. The sample was placed in the shear machine, and pre-selected normal loads were applied. The sample was submerged, allowed to consolidate, and then was sheared to failure. Shear stress and sample deformation were monitored throughout the test. The results of the direct shear test are presented in Figures C-2 to C-4.

CONSOLIDATION

One-dimensional consolidation testing was performed on selected undisturbed samples in accordance with ASTM D 2435. After trimming the ends, the samples were placed in the consolidometer and loaded to 0.4ksf. Thereafter, the samples were incrementally loaded to a maximum load of 25.6 ksf. The samples were inundated at 0.8 or 1.6 ksf. Sample deformation was measured to 0.0001 inch. Rebound behavior was investigated by unloading the samples back to 0.4 ksf. Results of the consolidation tests, in the form of percent consolidation versus log pressure, are presented in Figures C-5 and C-6.

EXPANSION INDEX

An expansion index test was performed on a bulk sample. The test was performed in accordance with ASTM 4829, to assess the expansion potential of on-site soils. The results of the test are summarized below:

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	EXPANSION INDEX
B-4	0 - 5	Silty Sand (SM)	1

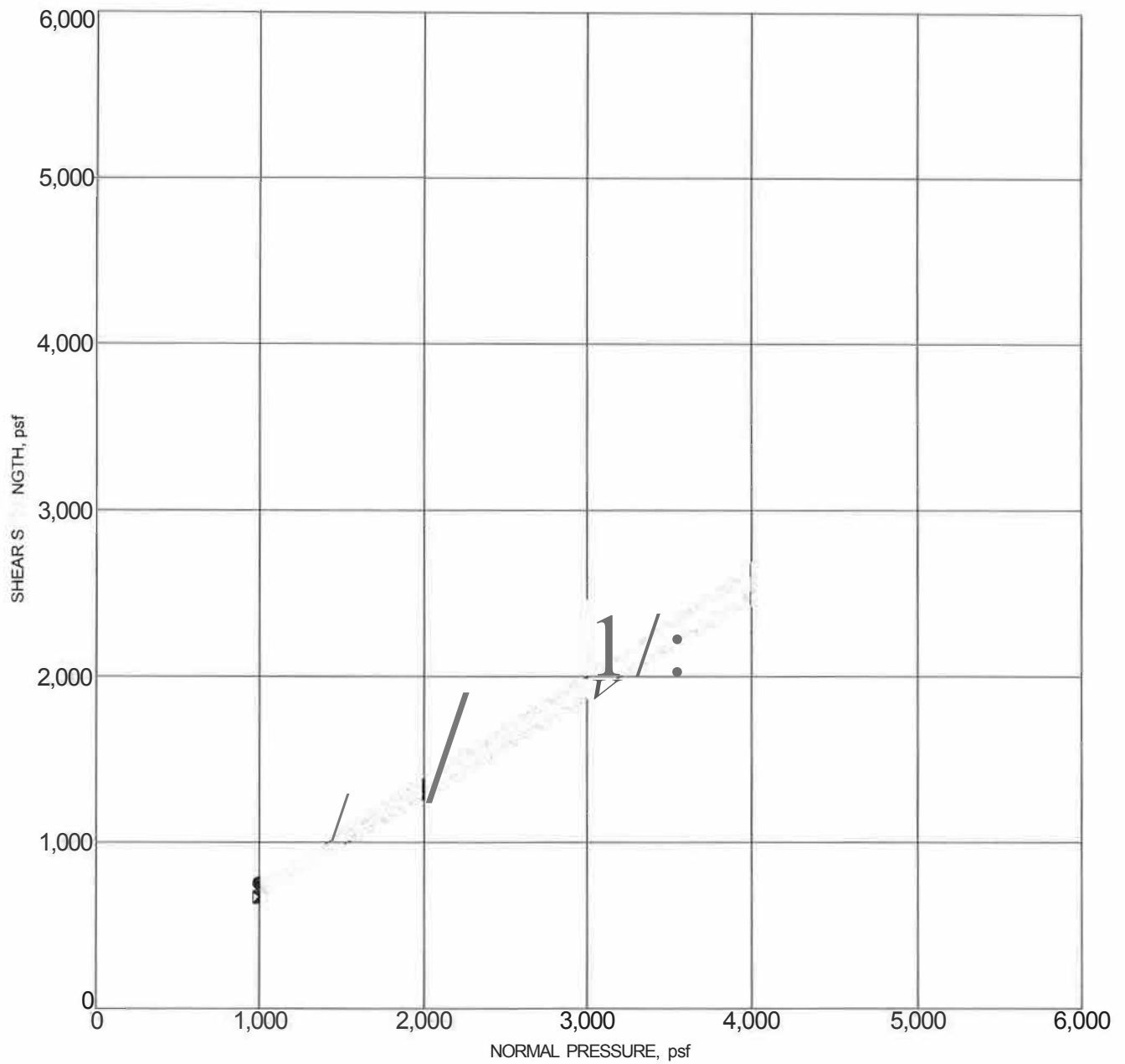
COMPACTION TEST

A maximum dry density/optimum moisture test was performed in accordance with ASTM D1557 on a representative bulk sample of the surficial soils. The test results are as follows.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	OPTIMUM MOISTURE (%)	MAXIMUM DRY DENSITY (pcf)
B-3	0 - 5	Silty Sand (SM)	10.5	126

CORROSIVITY

Soil corrosivity testing was performed by HOR on selected soil samples provided by GPI. The test results and corrosion protection recommendations are summarized in Table 1 of this Appendix.



PEAK STRENGTH
 Friction Angle = 32 degrees
 Cohesion = 108 psf

1% ULTIMATE STRENGTH
 Friction Angle = 31 degrees
 Cohesion = 82 psf

Sample Location	Classification	DD,pcf	MC,%
8-1 5.0	SILTY SAND (SM)	90	19.5

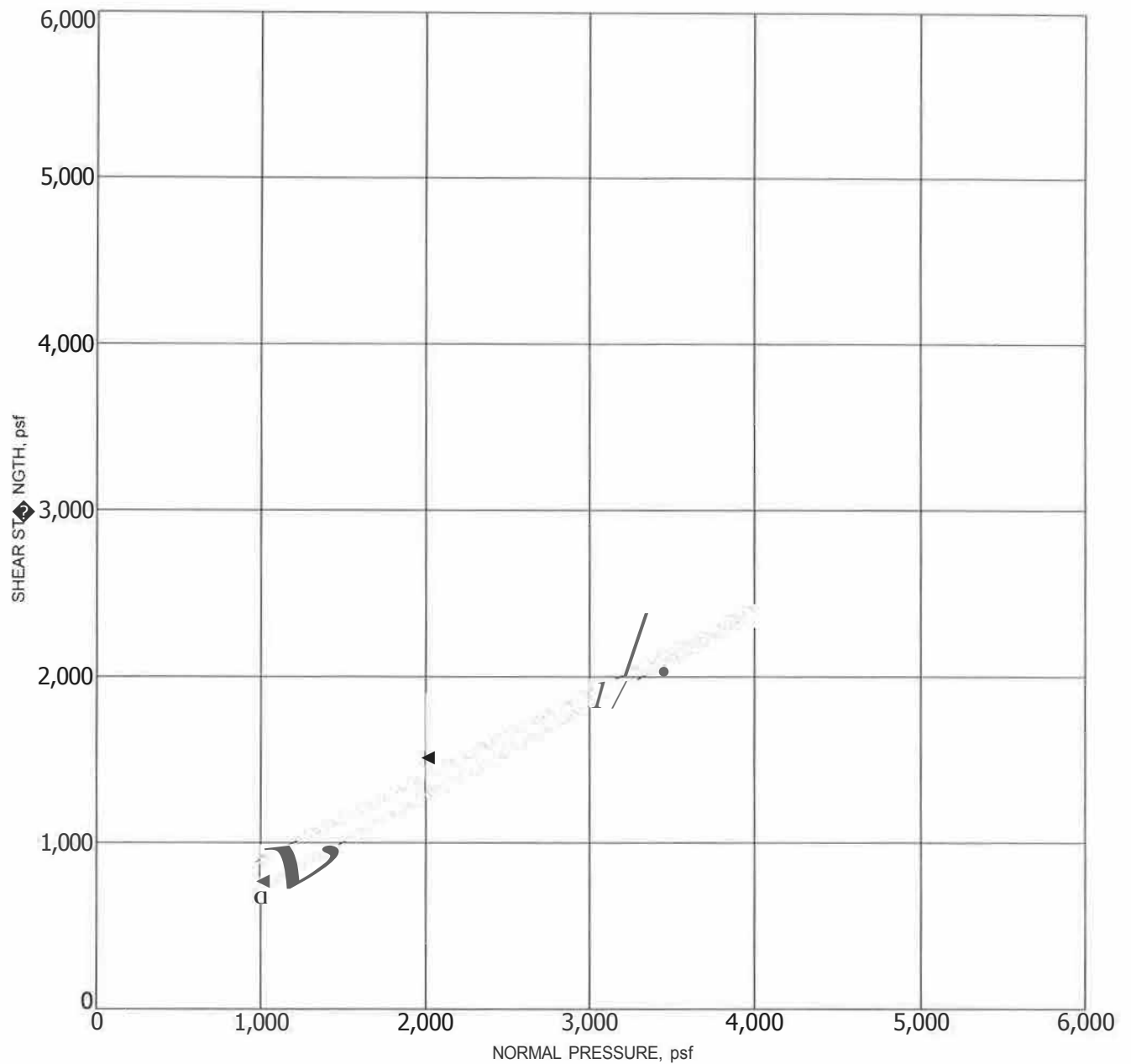
PROJECT: MCKINLEY AVENUE ES

PROJECT NO.2677.181



DIRECT SHEAR TEST RESULTS

FIGURE C-2



e PEAK STRENGTH

Friction Angle = 27 degrees
Cohesion = 396 psf

III ULTIMATE STRENGTH

Friction Angle = 29 degrees
Cohesion = 180 psf

Note: Samples removed to 90% of maximum dry density

Sample Location	Classification	DD,pcf	MC,%
B-3 0-5	SILTY SAND (SM)	113	10.5

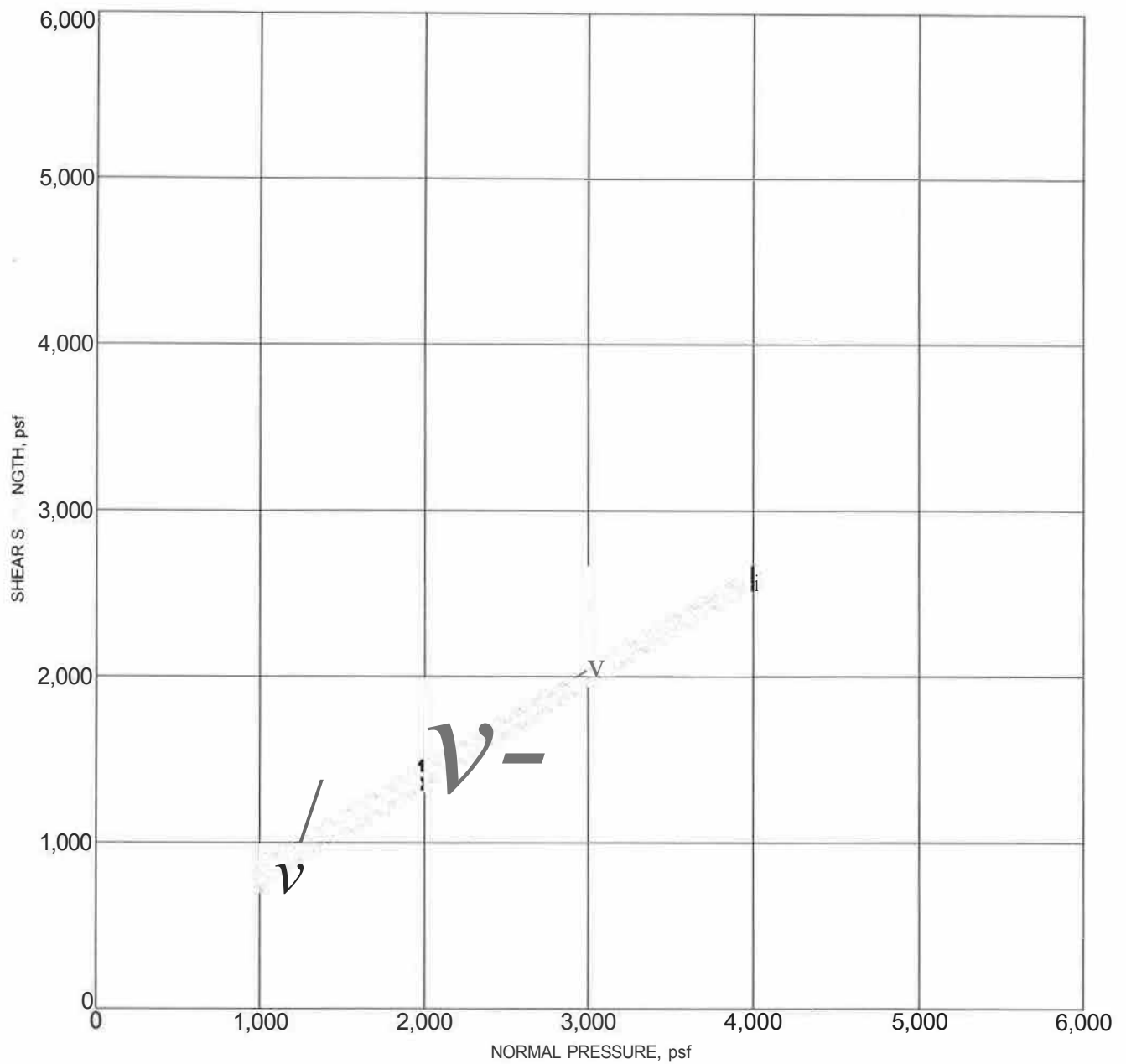
PROJECT: MCKINLEY AVENUE ES

PROJECT NO.2677.18I



DIRECT SHEAR TEST RESULTS

FIGURE C-3



e PEAK STRENGTH
 Friction Angle= 30 degrees
 Cohesion= 282 psf

III ULTIMATE STRENGTH
 Friction Angle= 31 degrees
 Cohesion= 144 psf

Sample Location	Classification	DD,pcf	MC,%
B-3 14.0	SANDY SILT (ML)	103	17.0

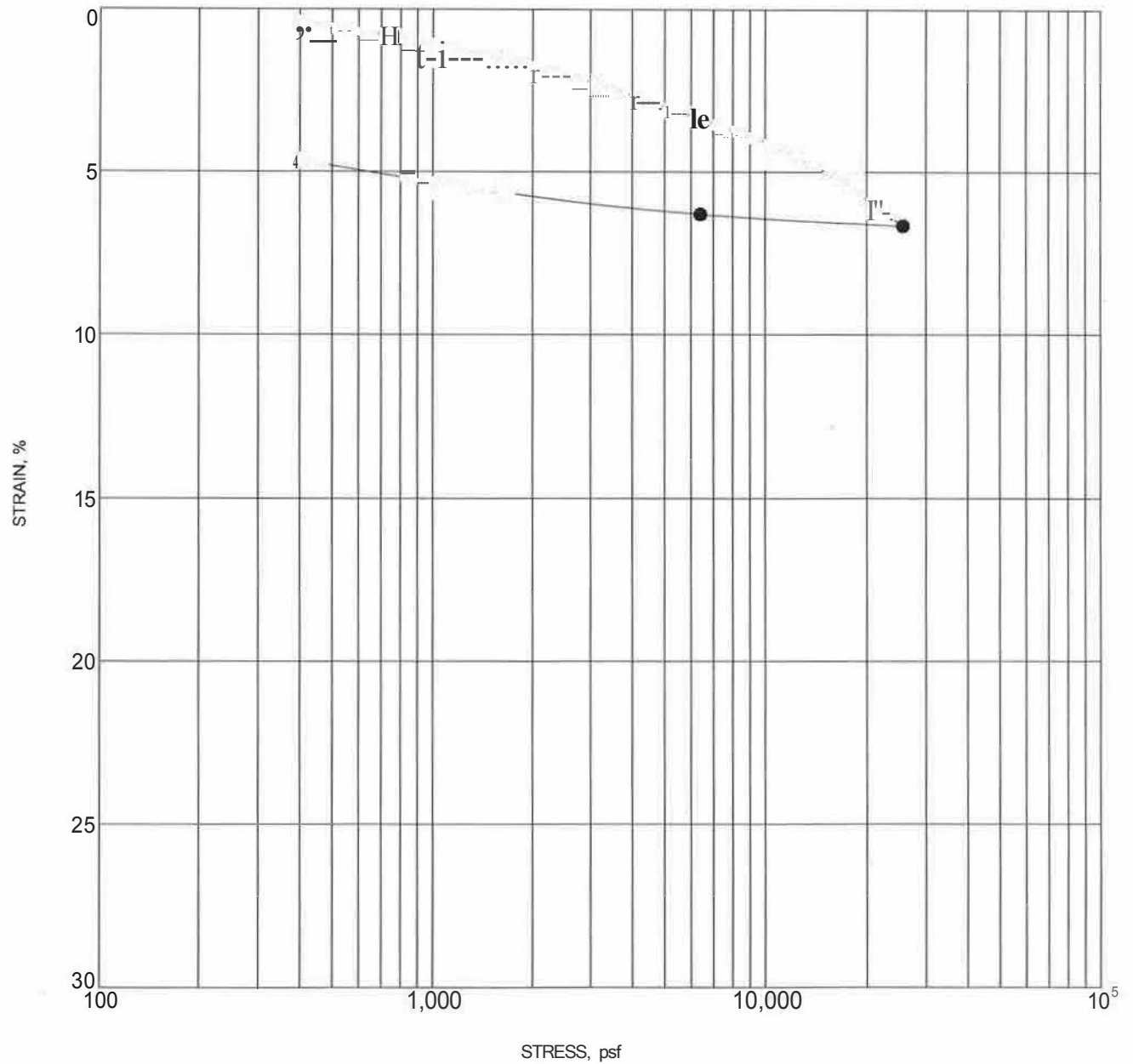
PROJECT: MCKINLEY AVENUE ES

PROJECT NO.2677.18I



DIRECT SHEAR TEST RESULTS

FIGURE C-4



Sample inundated at 800 psf

Sample Location		Classification	DD,pcf	MC,%
8-1	7.0	SILTY SAND (SM)	97	15.7

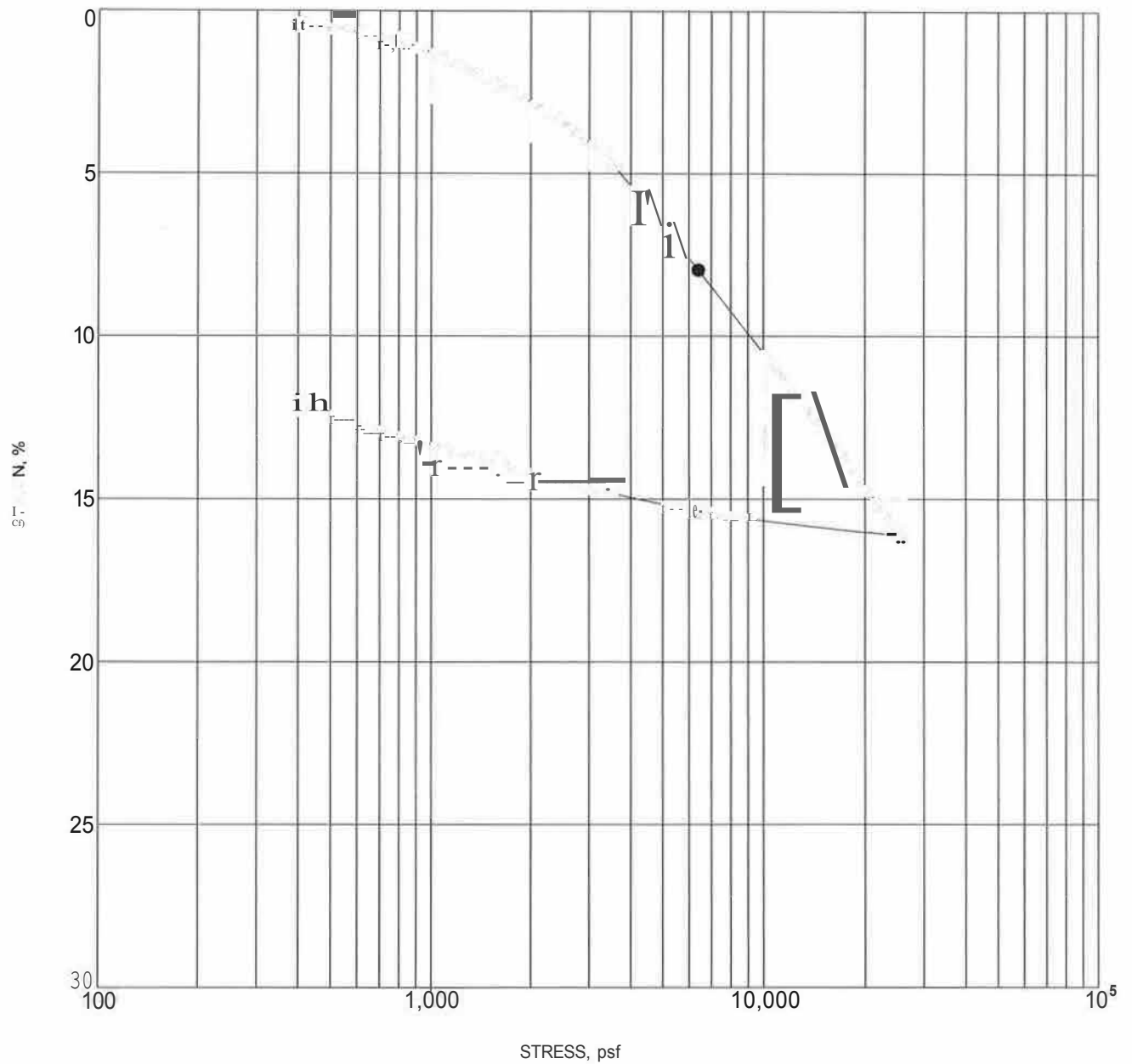
PROJECT: MCKINLEY AVENUE ES

PROJECT NO.: 2677.181



CONSOLIDATION TEST RESULTS

FIGURE C-5



Sample inundated at 1600 psf

Sample Location	Classification	DD,pcf	MC,%
8-3 19.0	SILTY CLAY (CL)	93	30.1

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PROJECT NO.: 2677.181



CONSOLIDATION TEST RESULTS

FIGURE C-6

1-)

Table 1 - Laboratory Tests on Soil Samples

Geotechnical Professionals, Inc.
McKinley E.S.
 Your#2677.1BI, HDR Lab #17-0273LAB
 26-Apr-17

Sample ID

B-3 @0-5'

Resistivity		Units	
as-received		ohm-cm	35,200
saturated		ohm-cm	4,400
pH			7.4
Electrical			
Conductivity		mS/cm	0.10
Chemical Analyses			
Cations			
calcium	Ca ²⁺	mg/kg	74
magnesium	Mg ²⁺	mg/kg	8.1
sodium	Na ⁺	mg/kg	55
potassium	K ⁺	mg/kg	11
Anions			
carbonate	CO ₃ ²⁻	mg/kg	ND
bicarbonate	HCO ₃ ⁻	mg/kg	305
fluoride	F ⁻	mg/kg	ND
chloride	Cl ⁻	mg/kg	ND
sulfate	SO ₄ ²⁻	mg/kg	14
phosphate	PO ₄ ³⁻	mg/kg	ND
Other Tests			
ammonium	NH ₄ ⁺	mg/kg	ND
nitrate	NO ₃ ⁻	mg/kg	13
sulfide	S ²⁻	qual	na
Redox		mV	na

Resistivity per ASTM G187, Cations per ASTM D6919, Anions per ASTM D4327, and Alkalinity per APHA 2320-B.

Electrical conductivity in millisiemens/cm and chemical analyses were made on a 1:5 soil-to-water extract.

mg/kg = milligrams per kilogram (parts per million) of dry soil.

Redox = oxidation-reduction potential in millivolts

ND = not detected

na = not analyzed

APPEND/XO

APPENDIX D

GEOLOGIC-SEISMIC HAZARD EVALUATION

INTRODUCTION

This geologic and seismic assessment presents a summary of geologic and seismic conditions at McKinley Avenue Elementary School located at 7812 McKinley Avenue in Los Angeles, California. The purpose of this assessment was to identify and evaluate geologic constraints, which are likely to be factors with respect to the proposed development. In order to accomplish this objective, the following scope of services was performed:

- Research and review of available published and unpublished geologic literature and maps pertaining to the site and vicinity (see References), as well as subsurface exploration data from our recent investigation.
- Geologic analysis of the reviewed information.
- Preparation of this assessment report, which includes a summary of the researched information and a discussion of the possible geologic-seismic hazards that may affect the subject site and the proposed construction.

SITE CONDITIONS

The subject school site is approximately 4.85 acres and is located in an older residential neighborhood of suburban Los Angeles.

Site topography at the school is relatively flat, with ground surface elevations ranging from approximately 139 to 141 feet. Within the vicinity of the site, the ground surface slopes very gradually to the south.

REGIONAL AND LOCAL GEOLOGIC SETTING

Regional Geology

The proposed school site is located in the Central Block of a regional geologic structure termed the Los Angeles Basin, a northeast-trending structural basin filled with Tertiary age marine sedimentary rocks mantled by Recent and Pleistocene age non-marine alluvial sediments deposited by washes and streams flowing southward from the San Gabriel Mountains, Elysian, and Repetto Hills to the north.

In the area of the site, the marine deposits are overlain by approximately 20 feet of Holocene alluvium, which consist of loose to dense sands, silty sands, and silts. The Pleistocene alluvium consists of moderately to well consolidated, gravel, sand, silt and clay (Department of Water Resources, 1961).

The nearest geologic structures to the site are the Puente Hills Blind Thrust and Newport-

Inglewood Zone of deformation, both considered active fault zones. Deformation and uplift along the Newport-Inglewood fault zone has resulted in a northwest trending series of hills, including Signal Hill and the Dominguez Hills to the southeast of the site, and the Baldwin Hills to the west and northwest of the site. Based on published maps and the USGS Source Parameter website (see References), the site is approximately 2.1 miles and 5.7 kilometers from the closest known traces of the Puente Hills Blind Thrust and Newport-Inglewood fault, respectively (see Table 1).

Regionally the site is located near the border between two of California's geomorphic provinces, the Transverse ranges to the north and the Peninsular Ranges to the south. The Transverse Ranges are characterized by east-west trending mountain ranges, including the Santa Monica and San Gabriel Mountains, that are oriented oblique to the trend of the other major structural trends in California, including the San Andreas Fault, Sierra Nevada Mountains, and other mountain ranges in Southern California, which trend northwesterly.

The Peninsular Ranges are characterized by northwesterly trending active faults and mountain ranges related to the San Andreas and other major fault systems in the province. The province extends from the Los Angeles Basin, where the project is located, southeast to Baja California.

Site Geologic Conditions

The site is underlain by Quaternary age alluvial sediments mapped as younger, alluvial plain deposits. These sediments are described as gravel, sand, and clay derived mostly from the Santa Monica Mountains and minor stream channels (Dibblee, 2007). The geologic conditions in the site area are shown on the quaternary Geologic Map, Figure 0-1.

As encountered in our exploratory borings at depths ranging from 20 to 60 feet, the soils consist of shallow undocumented fill soils over natural younger and older alluvial soils. The fill soils at the boring locations consisted of moist silty sands. The fill soils are likely undocumented and relatively old, given the age of the high school.

The underlying natural materials consisted of loose to medium dense silty sands and sands and firm to very stiff clays, silty clays, and sandy silts. The natural soils within the upper 12 feet below existing grades consisted predominantly of loose to medium dense silty sands and sands. Below depths of 12 feet, the natural soils consisted of alternating layers of firm to very stiff fine-grained soils (clays, silty clays, and sandy silts) and medium dense coarse-grained soils (silty sands and sands). The soils become dense and very stiff to hard below approximate depths of 32 to 34 feet. The natural soils are generally moist to wet, with higher moisture contents encountered within the fine-grained soils.

Groundwater Conditions

Data published by the State of California indicates that historical high groundwater depth in the site vicinity is approximately 15 feet below existing grades. Groundwater was not encountered in our borings drilled to depths of 60 feet below the existing ground surface. Details of the groundwater depths in the vicinity of the site are shown on the Groundwater Map, Figure D-3.

TECTONIC SETTING

Regional Fault Systems

The geologic structure of southern California is dominated by northwest trending faults associated with the San Andreas Fault System. Faults such as the Newport-Inglewood, Whittier, Palos Verdes Hills and San Jacinto are all considered active and are all associated with the San Andreas, which collectively form the boundary between the North American and Pacific tectonic plates. Most of these faults have ruptured the ground surface historically and/or produced significant earthquakes.

Anomalous to the general northwest structural fabric are a series of active west trending reverse or thrust faults. The majority of these occur as north dipping planes projecting along the southern base of the Santa Monica and San Gabriel Mountains in the greater Los Angeles area. The known active thrust faults in the region include the Cucamonga, Sierra Madre, San Fernando, Raymond, Santa Monica and Hollywood faults.

Concealed Faults

Another category of fault known as "blind thrusts" was recognized as a significant seismic hazard following the 1987 magnitude 6.0 Whittier Narrows Earthquake and then again by the 1994 San Fernando magnitude 6.7 Earthquake. A blind thrust is a deeply buried shallow dipping thrust fault, which does not project to the ground surface. Blind thrusts are capable of generating a major earthquake that may cause uplift in the form of anticlinal hills. Some uplands that surround the Los Angeles Basin, including the Elysian Park and Repetto Hills, are products of blind thrusts. Because blind thrusts do not intersect the ground surface, primary surface fault rupture is considered unlikely. Major portions of the Los Angeles Basin are now believed to be underlain by various blind thrusts ramps. Due to continued north-south convergence (shortening) across the Los Angeles Basin, slippage along these features will generate earthquakes.

At the present time, the potential magnitudes and recurrence intervals of blind thrust produced earthquakes cannot be quantified with confidence due to the fact that many characteristics of these features (including areal extent and Quaternary slip rates) are poorly understood. Nonetheless, the proximity to densely populated urban centers and their history of producing damaging earthquakes clearly demonstrate the risk that blind thrusts pose to large metropolitan areas such as Los Angeles and surrounding cities.

Nearby Seismogenic Sources

We reviewed the 2008 National Seismic Hazard Maps Source Parameters (USGS, 2008) to identify known active faults within a 100 km radius of the project site. The names and distances of the faults lying within 25 kilometers of the project site are provided in the following table (Table 1). We present a map showing the significant regional faults in Figure D-3, Regional Fault Map.

Table 1 - Significant Regional Faults

Fault Name	Approximate Distance" (km)
Puente Hills Blind Thrust (Los Angeles)	2.1
Newport-Inglewood	5.7
Puente Hills Blind Thrust	7.5
Elysian Park (Upper)	11.3
Puente Hills Blind Thrust (Santa Fe Springs)	13.0
Santa Monica	15.4
Hollywood	16.4
Raymond	17.4
Elsinore	19.7
Palos Verdes	20.3
Verdugo	20.6
Puente Hills (Coyote Hills)	21.6

* Defined as the closest distance to projection of rupture area along fault trace.

The site does not lie within an Alquist-Priolo Earthquake Fault Zone as designated by the California Geological Survey (Hart, 1997) or as shown on Figure D-5, Seismic Hazard Map. Surface faults have not been mapped projecting towards or through the site area.

Brief details for some of the faults closest to the subject site are as follows:

Puente Hills Blind Thrust

The Puente Hills Blind Thrust (Shaw, 1999) is a north dipping blind thrust extending from the Santa Fe anticline northward to the Montebello anticline. Movement on the fault is responsible for the 1987 Whittier Narrows earthquake. Research on the earthquake and its aftershocks, as well as fault plane reflections, have resulted in the conclusions that the fault is located between 3 and 7 kilometers below sea level. Data on the slip rate and possible recurrence intervals are still being researched.

Newport-Inglewood Fault

The Newport-Inglewood Fault forms the southwesterly side of the Los Angeles Basin and is defined by a series of low disconnected hills and mesa surfaces. Strike slip faulting is associated with anticlinal folding. This has resulted in the accumulation of petroleum resources along its entire length from offshore Newport Beach to the

Santa Monica Mountains. In 1933 the destructive Long Beach Earthquake occurred on the fault just offshore of Newport Beach. The event caused considerable damage and a high loss of life. Since then the various strands of the fault have produced many minor earthquakes, all of which have been at a magnitude of 4.5 or less. The fault lies at a distance of approximately 5.7 kilometers to the southwest of the project sites at its closest approach. A maximum earthquake magnitude of 6.9 and slip rate of 1.0 mm/yr has been assigned to the fault.

Elysian Park Blind Thrust

The north to south structural convergence in the region is a result of deep-seated fault movement along features called "blind thrusts". These are buried low angle north and some south dipping faults which do not project to the ground surface but cause uplift by folding during major earthquakes. In 1987, the magnitude 5.9 Whittier Narrows Earthquake occurred on a previously unknown blind thrust, which has now been given the name Elysian Park Blind Thrust or Structural Zone. This fault underlies the Elysian Park Hills at 3 km and deepens northward to 10 km of depth. Because of the 1987 event, the fault has been placed into an active category and has been tentatively mapped to underlie a major portion of the eastern Los Angeles Basin and adjacent San Gabriel Valley to the north. Subsequent to this earthquake was the 1994 M6.7 Northridge Earthquake in the San Fernando Valley. This earthquake occurred along a previously unknown similar blind thrust fault. This type of active faulting and resulting earthquake activity are considered relatively common in regions undergoing convergence. The Elysian Park Thrust has a length of 34 km, slip rate of 1.50 mm/yr and is capable of generating a maximum earthquake of M6.7 (Shaw and Suppe, 1996).

SEISMIC EXPOSURE

As is the case with most locations in Southern California, the subject site is located in a region that is characterized by moderate to high seismic activity. The project site and vicinity has experienced strong ground shaking due to earthquakes in historic time. The locations of earthquake epicenters with respect to the subject site are shown graphically on Figure D-4, Regional Seismicity.

SECONDARY SEISMIC EFFECTS

General

Secondary effects of seismic activity normally considered as possible hazards to a particular site include several types of ground failure as well as induced flooding. Various types of ground failures, which might occur as a consequence of severe ground shaking of a site include landsliding, ground subsidence, ground lurching, shallow ground rupture and liquefaction. The probability of occurrence of each type of ground failure depends on the severity of the earthquake, distance from faults, topography, subsoils and groundwater conditions, in addition to other factors. Based on a review of available published literature, landsliding, ground subsidence, ground lurching and shallow ground ruptures are considered unlikely at the site.

Various types of seismically induced flooding, which may be considered as potential hazards to a particular site, include flooding due to a tsunami (seismic sea wave), a seiche, or failure of a major water retention structure upstream of the project. Since the site is located approximately 10½ miles inland from the Pacific Ocean at an elevation of approximately 140 feet above mean sea level, and since it does not lie in close proximity to an enclosed body of water, the probability of flooding due to a tsunami or seiche is considered to be nonexistent.

Liquefaction Considerations

Loosely compacted/deposited granular soils located below the water table can fail through the process of liquefaction during strong earthquake-induced ground shaking. In this process, there is a rapid decrease in shearing resistance of cohesionless soils, caused by a temporary increase in the pore water pressure. Factors known to influence liquefaction potential include soil type and depth, grain size, relative density, ground-water level, degree of saturation, and both intensity and duration of ground shaking.

As a result of liquefaction, a typical building structure may be exposed to several hazards, including liquefaction-induced settlement, foundation bearing failure, and lateral displacement or lateral spreading. The surface manifestation of liquefaction in deeper soil deposits often takes place in the form of sand boils and ground subsidence. Such phenomena often lead to loss of adequate support for building foundations (bearing failures) and cause tilting, excessive movement and cracking of superstructures. The severity of ground subsidence depends largely on the relative thickness of the surficial non-liquefiable layer compared to the thickness of layers undergoing liquefaction.

According to the published State Seismic Hazard Zones map for the Los Angeles Quadrangle, the site is located in an area designated by the State Geologist as a "zone of required investigation" due to the potential for earthquake-induced liquefaction. Details of the liquefaction potential in the vicinity of the site are shown on Figure D-5, Seismic Hazard Map. For details and results on our liquefaction and seismic settlement evaluation, refer to Section 4.2.3 in the text of our report.

SUMMARY OF GEOLOGIC CONSTRAINTS

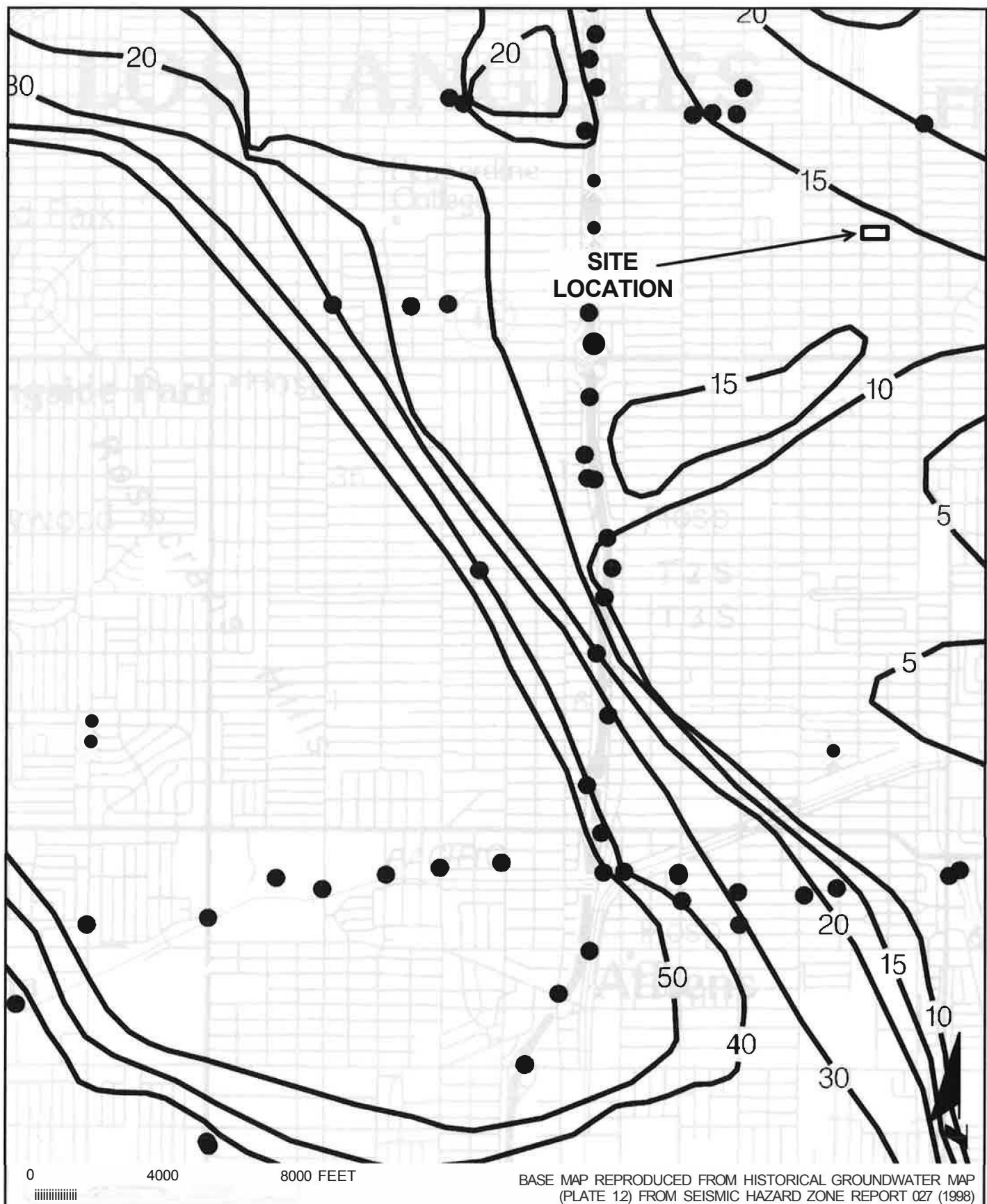
Based on the results of our geotechnical investigation and a review of the information provided in the referenced literature, it is recommended that the following geologic constraints be taken into account during the initial planning stages of the proposed development.

- The subject site is located in a seismically active area of southern California. The type and magnitude of seismic hazards that may affect the site are dependent on both the distance to causative faults and the intensity and duration of the seismic event. The subject site will likely experience strong ground shaking caused by earthquakes on active, regional faults in the future. The proposed project should be designed and constructed in accordance with the seismic design parameters provided in the building code and our final geotechnical investigation report.

- Faults have not been mapped projecting towards or through the site.
- The site is located in an area designated by the State Geologist as a "zone of required investigation" for liquefaction potential. Details of our liquefaction and seismic settlement evaluation are presented in Section 4.2.3 of the report. Based on this analysis, the anticipated liquefaction-induced seismic settlement at the site is on the order of 1 to 1¼-inches. Therefore, the potential for liquefaction settlements to negatively impact the proposed site modifications is considered to be moderate.
- Based on a review of available published literature, landsliding, ground subsidence, ground lurching and shallow ground rupture are considered unlikely at the site.

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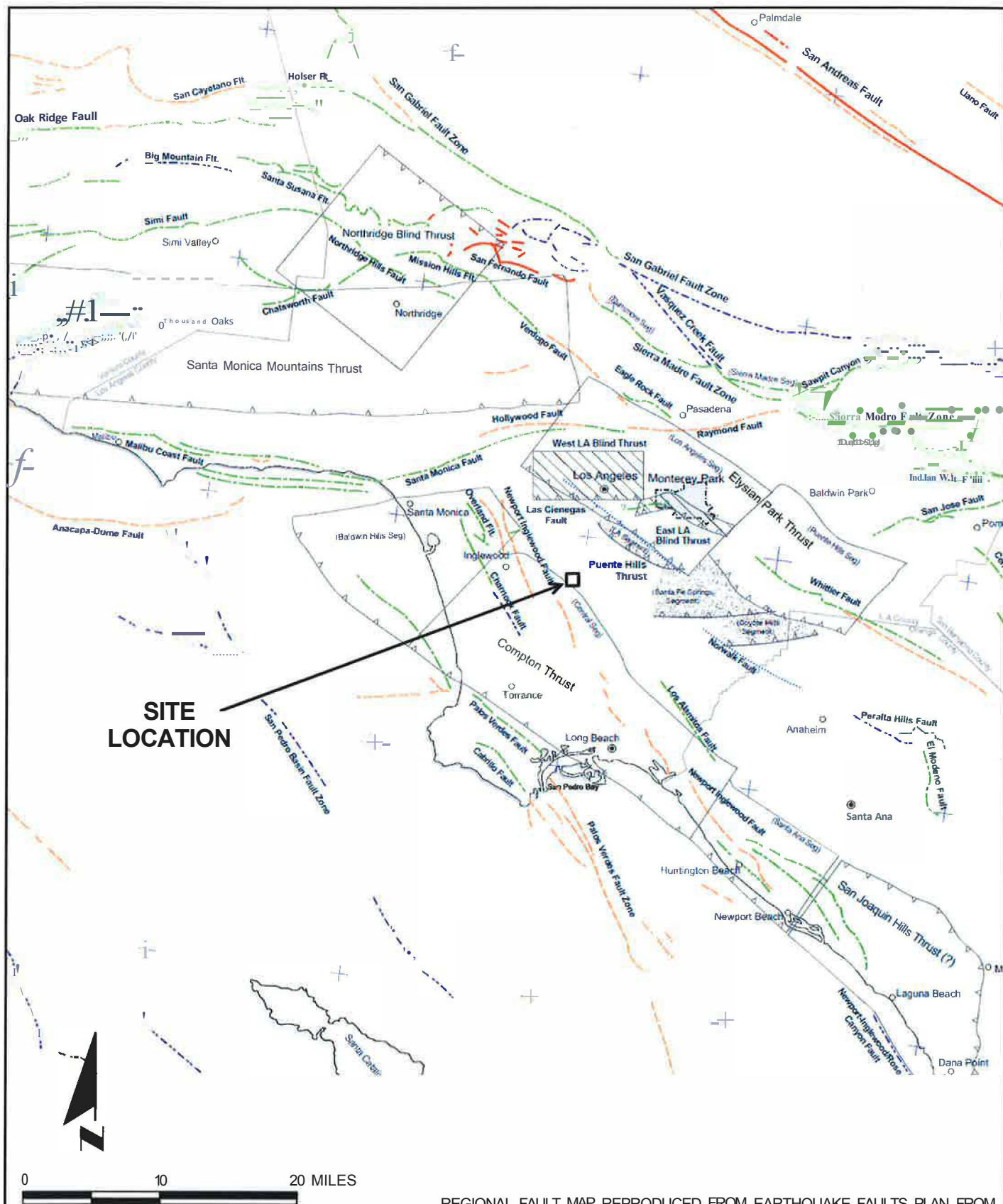
MCKINLEY AVENUE ELEMENTARY SCHOOL

GPI PROJECT NO. 2677.181

SCALE: 1" = 4000'

GROUNDWATER MAP

FIGURE D-2



REGIONAL FAULT MAP REPRODUCED FROM EARTHQUAKE FAULTS PLAN FROM MONTEREY PARK GENERAL PLAN BY BING YEN & ASSOCIATES, INC.: DATED JULY 2001



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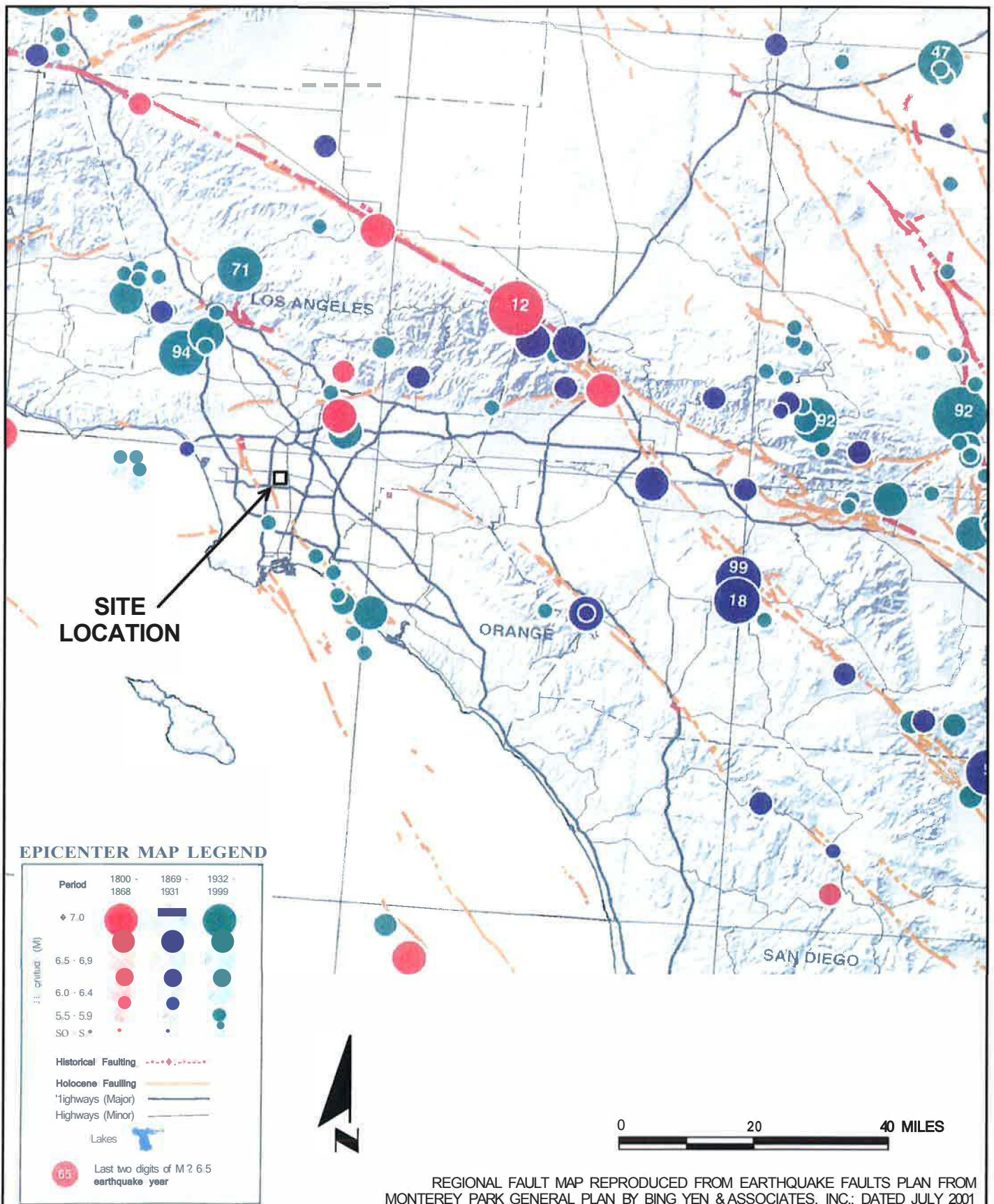
MCKINLEY AVENUE ELEMENTARY SCHOOL

GPI PROJECT NO. 2677.181

SCALE: 1" = 10 MILES

REGIONAL FAULT MAP

FIGURE D-3



REGIONAL FAULT MAP REPRODUCED FROM EARTHQUAKE FAULTS PLAN FROM MONTEREY PARK GENERAL PLAN BY BING YEN & ASSOCIATES, INC.: DATED JULY 2001



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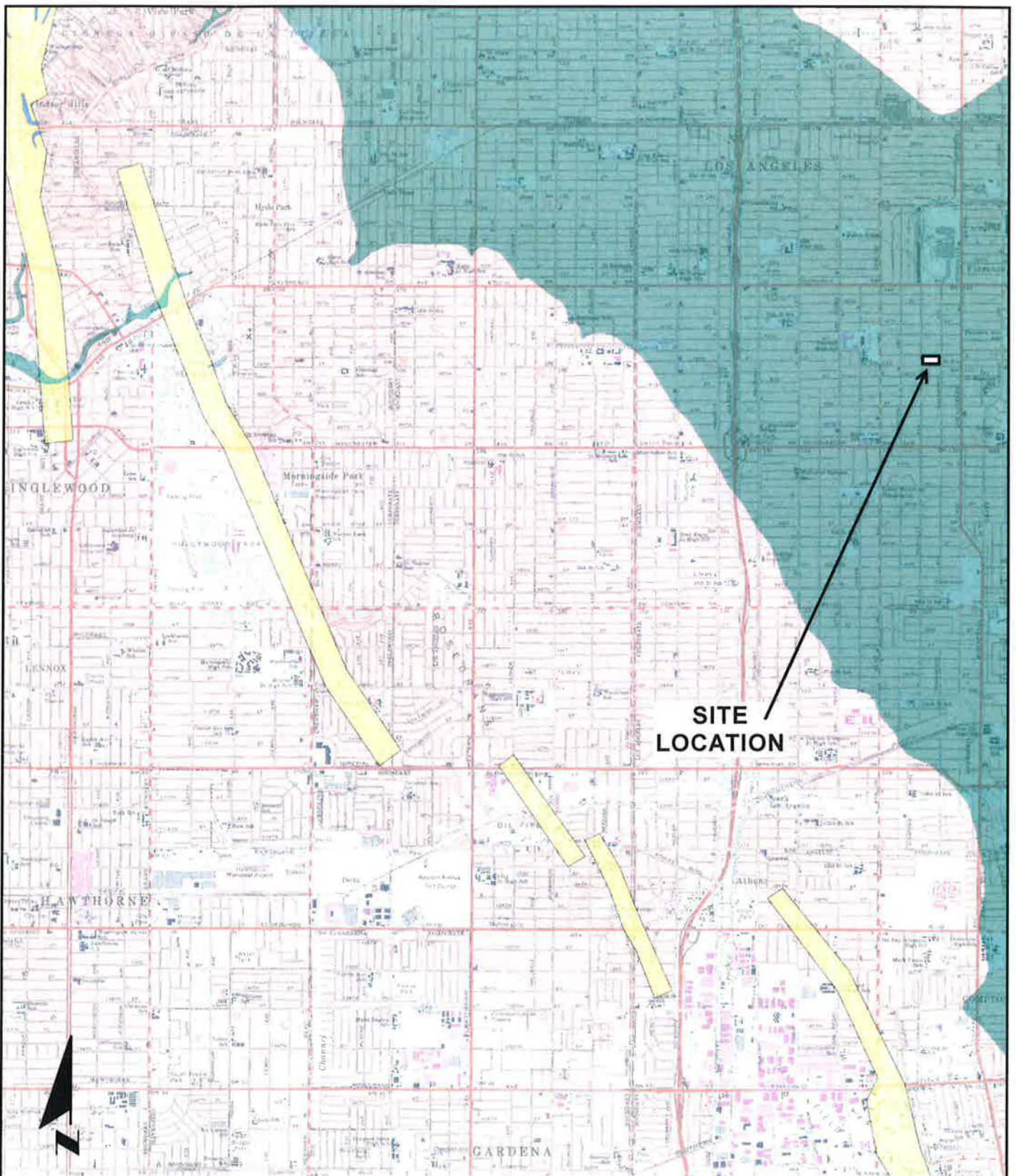
MCKINLEY AVENUE ELEMENTARY SCHOOL

GPI PROJECT NO. 2677.181

SCALE: 1" = 20 MILES

REGIONAL SEISMICITY

FIGURE D-4



BASE MAP REPRODUCED FROM SEISMIC HAZARD ZONES MAP FOR THE INGLEWOOD QUADRANGLE PREPARED BY THE STATE OF CALIFORNIA DIVISION OF MINES AND GEOLOGY: DATED 03/25/1999



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MCKINLEY AVENUE ELEMENTARY SCHOOL

GPI PROJECT NO. 2677.181

SCALE: 1" = 6000'

SEISMIC HAZARD MAP

FIGURE D-5

Phase I Environmental Site Assessment

**McKinley Elementary School
7812 McKinley Avenue
Los Angeles, California**

ASTM E 1527-13

Prepared for:
LAUSD



Prepared by:
**Rincon Consultants, Inc.
Project No. 17-0431
June 28, 2017**



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July 28, 2017

Project Number 17-04381

Edgardo Gillera, Site Assessment Project Manager
Los Angeles Unified School District
Office of Environmental Health and Safety
333 S. Beaudry Avenue, 21st Floor (21-224-03)
Los Angeles, California 90017
Via email: Edgardo.Gillera@LAUSD.net

**Subject: Phase I Environmental Site Assessment
McKinley Elementary School, 7812 McKinley Avenue
Los Angeles, California**

Dear Mr. Gillera:

This report presents the findings of a Phase I Environmental Site Assessment (ESA) completed by Rincon Consultants, Inc. for the McKinley Elementary School property located at 7812 McKinley Avenue in Los Angeles, California. The Phase I ESA was performed in accordance with our proposal dated May 23, 2017.

The accompanying report presents our findings and provides an opinion regarding the presence of recognized environmental conditions associated with the subject property. Our work program for this project is intended to meet the guidelines outlined in the American Society for Testing and Materials (ASTM), Standard Practice for Environmental Site Assessments: *Phase I Environmental Site Assessment Process* (ASTM Standard E-1527-13). In addition, pursuant to ASTM E 1527-13 practice, our scope of services did not include any inquiries with respect to asbestos, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, vapor intrusion or other indoor air quality, mold, or high voltage power lines.

Thank you for selecting Rincon for this project. If you have any questions, or if we can be of any future assistance, please contact us.

Sincerely,
RINCON CONSULTANTS, INC.


Julie Welch Marshall
Senior Project Manager


Walt Hamann, PG, CEG
Vice President, Environmental Services

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7812 McKinley Avenue, Los Angeles, California
Los Angeles Unified School District

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EXECUTIVE SUMMARY

This report presents the findings of a Phase I Environmental Site Assessment (ESA) for the McKinley Elementary School located at 7812 McKinley Avenue, Los Angeles, California (subject property, Figure 1). The school consists of a two-story main building including an auditorium and partial basement, a second two story building (Hubert Hall), cafeteria, and multiple portable structures.

The school is in an area of primarily residential land uses with some commercial properties. The property is bounded to the north by East 78th Street, to the east by Wadsworth Avenue, to the south by East 79th Street, and to the west by McKinley Avenue. Adjacent properties to the north, east, south, and west are residential. A vacant lot and a local market are located to the southwest of the school property.

Rincon Consultants performed a reconnaissance of the subject property on June 21, 2017. The purpose of the reconnaissance was to observe existing subject property conditions and to obtain information indicating the presence of recognized environmental conditions in connection with the subject property. No evidence of hazardous materials was noted during the site reconnaissance. Although a hydraulic elevator was noted in the main school building, access to the elevator hydraulic room was not available. The site representative indicated the elevator was approximately 15-16 years old.

Environmental Data Resources (EDR) was contracted to provide a database search of public lists of sites that generate, store, treat or dispose of hazardous materials or sites for which a release or incident has occurred. The EDR search was conducted for the subject property and included data from surrounding sites within a specified radius of the property. The subject property was listed on the EMI and HAZNET databases searched by EDR. The EMI listing indicates that the subject property was associated with a release of greenhouse gases to the environment in 1990; however, the type and amount of gas or particulate release was not identified. The HAZNET listing indicates that the subject generated various types of hazardous waste for offsite disposal in 2009, 2004, 2003, 1994, and 1993. Most of the waste was described as asbestos-containing waste or other inorganic solid waste.

Based on our review of available historical documents, it appears that the subject property was undeveloped until at least 1928. By 1928, the western portion of the subject property appears to be occupied by school structures (along McKinley Avenue) with a central playground area behind the school buildings; the eastern portion of the subject property appears to be occupied by residential dwellings. By 1950, the western portion of the subject property is occupied by the main school building along McKinley Avenue, a kindergarten, an auditorium structure (indicated as built in 1929 and rebuilt in 1936), a lunch shed, and classrooms, while the eastern portion of the subject property consists of multiple parcels occupied by dwellings, some with detached auto garages. By 1963, the eastern portion of the subject property appears to be undeveloped, and by 1969 the 79th Street School (modern day McKinley Elementary) consists of the main school building along McKinley Avenue, the original kindergarten building, an additional kindergarten building (indicated as built in 1962), an auditorium structure (indicated as built in 1929 and rebuilt in 1936), a cafeteria building, several classroom buildings (indicated as built in 1959 and 1963), and a large playground. With the exception of a few added and



removed small structures or sheds, the subject property generally remains unchanged from 1969 through 1994. By 2002, five additional classroom structures had been constructed on the eastern half of the subject property along East 78th Street. By 2012, the two easternmost structures had been removed from the subject property, and the property was developed similar to today.

Based on the findings of this Phase I ESA, it is our opinion that there are no Recognized Environmental Conditions associated with the subject property. However, four potential Recognized Environmental Conditions are present, as follows:

1. ***Potential presence of organochlorine pesticides in onsite soils, especially around pre-1989 current and former structures*** - Based on the age of the main school building and cafeteria, which were constructed prior to 1989, and former pre-1989 buildings on the northern and eastern portion of the site, organochlorine pesticides used as termiticides may be present in onsite soils. This finding is considered a potential Recognized Environmental Condition.
2. ***Potential presence of arsenic-based herbicides beneath paved areas*** - Since it was formerly a common practice for LAUSD to apply an arsenic-based herbicide to soil immediately prior to paving with asphalt, we recommend sampling the onsite soils in the paved areas of the property.
3. ***Potential presence of lead in soil around pre-1993 structures*** - Based on our review of historical sources, the existing buildings on the subject property were built between approximately 1928 and 1936. Therefore, lead-based paint may have been used on building exteriors and may be present in onsite soils in the vicinity of existing pre-1993 and former structures. The potential presence of lead in soil is a potential Recognized Environmental Condition.
4. ***Potential presence of lead-based paint and asbestos in onsite structures*** - Based on our review of historical sources, several of the existing buildings on the subject property were constructed between approximately 1928 and 1936. Although not considered a recognized environmental condition (REC), pursuant to ASTM E 1527-13, school buildings constructed prior to 1993 may contain lead-based paint, and structures constructed prior to 1981 may contain asbestos-containing building materials. Therefore, a lead-based paint and asbestos survey is recommended prior to demolition or remodeling of onsite structures.

In addition, based on the additional site safety research conducted as part of this Phase I ESA, additional California Department of Education (CDE) safety studies may be warranted due to the following if this property was under consideration as a new school site:

- Potential flooding issues due to the proximity of the proposed school site to high volume water pipelines.

This safety consideration would likely require further study if the subject property were under consideration for acquisition for the construction of a new school. Because the property is currently in use as a school, application of this factor for potential land-acquisition purposes does not apply.



INTRODUCTION

This report presents the findings of a Phase I Environmental Site Assessment (ESA) for the property located at 7812 McKinley Avenue, Los Angeles, California (subject property, Figure 1). The school consists of a 2-story main building including an auditorium and partial basement, a second two story building (Hubert Hall), cafeteria, and multiple portable structures.

The Phase I ESA was performed by Rincon Consultants, Inc. for the Los Angeles Unified School District (LAUSD) in general conformance with ASTM E 1527-13. The following sections present our findings and provide our opinion as to the presence of recognized environmental conditions associated with the subject property.

PURPOSE

The purpose of this Phase I ESA was to assess the environmental conditions of the subject property, taking into account commonly and reasonably ascertainable information and to qualify for Landowner Liability Protections under the Brownfields Amendments to CERCLA Liability.

A recognized environmental condition (REC) is defined pursuant to ASTM E 1527-13 as,

“the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment; 3) under conditions that pose a material threat of a future release to the environment”.

A Controlled REC is defined pursuant to ASTM E 1527-13 as,

“a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report”.

A Historical REC is defined pursuant to ASTM E 1527-13 as,

“a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by regulatory authority, without subjecting the property to any required controls (for example, use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I

Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP [Environmental Professional] considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition”.

A de minimis condition is defined pursuant to ASTM E 1527-13 as,

“a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions”.

SCOPE OF SERVICES

The scope of services conducted for this study is outlined below:

- Perform a reconnaissance of the subject property to identify obvious indicators of the existence of hazardous materials.
- Observe adjacent or nearby properties from public thoroughfares in an attempt to see if such properties are likely to use, store, generate, or dispose of hazardous materials.
- Obtain and review an environmental records database search from Environmental Data Resources, Inc. (EDR) to obtain information about the potential for hazardous materials to exist at the subject property or at properties located in the vicinity of the subject property.
- Review files for the subject property and immediately adjacent properties as identified in the EDR report, as applicable.
- Review the current U.S. Geological Survey (USGS) topographic map to obtain information about the subject property’s topography and uses of the subject property and properties in the vicinity of the subject property.
- Review additional pertinent record sources (e.g., California Division of Oil and Gas records, online databases of hazardous substance release sites), as necessary, to identify the presence of RECs at the subject property.
- Review reasonably ascertainable historical resources (e.g., aerial photographs, topographic maps, fire insurance maps, city directories) to assess the historical land use of the subject property and adjacent properties.
- Provide a property owner interview questionnaire to the property owner or a designated subject property representative identified to Rincon by the Los Angeles Unified School District (Client).
- Conduct interviews with other property representatives (e.g., key site manager, occupants), as applicable.
- Review Client-provided information (e.g., previous environmental reports, title documentation), as applicable.
- Conduct preliminary research outlined in the California Department of Education (CDE) Environmental Hazards Checklist regarding high voltage power transmission lines, airports, hazardous air emissions facilities within ¼ mile, railroads, pressurized gas, gasoline, or sewer pipelines, high pressure water pipelines, reservoirs, water storage tanks, and major roadways.



SIGNIFICANT ASSUMPTIONS, LIMITATIONS, DEVIATIONS, EXCEPTIONS, SPECIAL TERMS, AND CONDITIONS

This work is intended to adhere to good commercial, customary, and generally accepted environmental investigation practices for similar investigations conducted at this time and in this geographic area. No guarantee or warranties, expressed or implied are provided. The findings and opinions conveyed in this report are based on findings derived from a site reconnaissance, review of an environmental database report, specified regulatory records and historical sources, and comments made by interviewees. This report is not intended as a comprehensive site characterization and should not be construed as such. Standard data sources relied upon during the completion of Phase I ESAs may vary with regard to accuracy and completeness. Although Rincon believes the data sources are reasonably reliable, Rincon cannot and does not guarantee the authenticity or reliability of the data sources it has used. Additionally, pursuant to our contract, the data sources reviewed included only those that are practically reviewable without the need for extraordinary analysis.

Rincon has not identified evidence that suggests that hazardous materials or petroleum products may exist at the site at levels that could require mitigation. Additional research, including surface or subsurface sampling and analysis, can reduce the Client's risks, but no techniques commonly employed can eliminate these risks altogether.

In addition, pursuant to ASTM E 1527-13 practice, our scope of services did not include any inquiries with respect to asbestos containing building materials, biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality unrelated to release of hazardous substances or petroleum products into the environment, industrial hygiene, lead-based paint, lead in drinking water, mold, regulatory compliance, or wetlands.

USER RELIANCE

The Los Angeles Unified School District (LAUSD) has requested this assessment and will use the assessment to provide information to support the McKinley Avenue Elementary School Comprehensive Modernization Project. Prior to this comprehensive modernization, a full site access Phase I Environmental Site Assessment (ESA) is necessary to identify potential environmental hazards onsite. This Phase I ESA was prepared for use solely and exclusively by LAUSD. No other use or disclosure is intended or authorized by Rincon. Also, this report is issued with the understanding that it is to be used only in its entirety. It is intended for use only by the client, and no other person or entity may rely upon the report without the express written consent of Rincon.



SITE DESCRIPTION

Location

The subject property is an approximately 4.22 acre parcel located at 7812 McKinley Avenue, Los Angeles, California. The subject property is made up of one city block and is located west of Wadsworth Avenue, south of East 78th Street, and north of East 79th Street, on the east side of McKinley Avenue and is identified by Assessor Parcel Number (APN) 6023030902 (Figures 1 and 2).

Subject Property and Vicinity General Characteristics

The subject property is currently occupied by the McKinley Avenue Elementary School. The adjacent properties are primarily used for residential purposes, with some commercial properties.

The current adjacent land uses are described in Table 1 and depicted on Figure 3, Adjacent Land Use Map.

Table 1 - Current Uses of Adjacent Properties

Area	Use
Northern Properties	E 78 th Street, followed by residential properties
Eastern Properties	Wadsworth Avenue, followed by residential properties
Western Properties	McKinley Avenue, followed by residential properties
Southwestern Properties	Intersection, vacant lot and local market, followed by residential properties
Southern Properties	E 79 th Street, followed by residential properties

Descriptions of Structures, Roads, Other Improvements on the Site

The school consists of a 2-story main building including an auditorium and partial basement, a second two story building (Hubert Hall), cafeteria, and multiple portable structures. Access to the property is available on McKinley Avenue and a driveway on E 78th Street.

The following is a list of utility providers for the subject property:

- Electrical and water- LADWP
- Natural gas - SoCalGas
- Sewer service - Los Angeles Department of Public Works Sewer Maintenance Department

USER PROVIDED INFORMATION

As described in ASTM E 1527-13 Section 6, LAUSD was provided an interview questionnaire for actual knowledge pertaining to the subject property to help identify recognized environmental conditions in connection with the property. A completed questionnaire has not been returned as of the date of this report.



PHYSICAL SETTING SOURCES

Topography

The current USGS topographic map (Inglewood Quadrangle, 2012) indicates that the subject property is situated at an elevation of approximately 140 feet above mean sea level. The subject property and adjacent properties are generally flat.

Geology and Hydrogeology

Site Geology

According to the Geologic Map of the Venice and Inglewood Quadrangles, California (2007), the subject property is underlain by Quaternary-age alluvium described as “alluvial gravel, sand, and clay, derived mostly from Santa Monica Mountains; includes gravel and sand of minor stream channels.”

Regional Groundwater Occurrence and Quality

According to the California Groundwater Bulletin 118, the subject property is located within the Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin (4-11.01). According to Bulletin 118, *“This subbasin is commonly referred to as the “Central Basin” and is bounded on the north by a surface divide called the La Brea high, and on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, which is a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift. The Los Angeles and San Gabriel Rivers drain inland basins and pass across the surface of the Central Basin on their way to the Pacific Ocean.”*

During the preparation of this Phase I ESA, we reviewed the California State Water Resources Control Board’s (SWRCBs) online GeoTracker database to determine groundwater flow direction in the vicinity of the subject property. According to a Case Closure Summary (June 2013) for the World Oil Marketing Co. Station No. 2 site at 1101 East Florence Avenue, located approximately 2,500-feet north-northeast of the subject property, the depth to groundwater recorded was between 95 and 99 feet below ground surface. Flow direction was measured to vary towards the south, southeast and southwest.

STANDARD ENVIRONMENTAL RECORD SOURCES

EDR was contracted to provide a database search of public lists of sites that generate, store, treat or dispose of hazardous materials or sites for which a release or incident has occurred. The EDR search was conducted for the subject property and included data from surrounding sites within specified radii of the subject property. A copy of the EDR report, which specifies the ASTM search distance for each public list, is included as Appendix 2. As shown on the attached EDR report, federal, state and county lists were reviewed as part of the research effort. Please refer to



Appendix 2 for a complete listing of sites reported by EDR and a description of the databases reviewed.

The Map Findings Summary, included in the EDR report, provides a summary of the databases searched and the number of reported facilities within the search radii, in accordance with ASTM search distances as required. The following information is based on our review of the Map Findings Summary and the information contained in the EDR report.

Subject Property

The subject property was listed on the following regulatory databases searched by EDR:

- EMI – Emissions Inventory Database
- HAZNET - Facility and Manifest Data

Offsite Properties

Offsite properties listed by EDR fall under two general categories of databases: those reporting unauthorized releases of hazardous substances (e.g., LUST, National Priority List [a.k.a. Superfund sites], and corrective action facilities), and databases of businesses permitted to use hazardous materials or generate hazardous wastes, for which an unauthorized release has not been reported to a regulatory agency.

Rincon reviewed the EDR Radius Map and select detailed listings to evaluate their potential to impact the subject property, based on the following factors:

- Reported distance of the facility from the subject property
- The nature of the database on which the facility is listed, and/or whether the facility was listed on a database reporting unauthorized releases of hazardous materials, petroleum products, or hazardous wastes
- Reported case type (e.g., soil only, failed UST test only)
- Reported substance released (e.g., chlorinated solvents, gasoline, metals)
- Reported regulatory agency status (e.g., case closed, “no further action”)
- Location of the facility with respect to the reported groundwater flow direction (discussed in the Geology and Hydrogeology section of this report)

Facilities/properties that were interpreted by Rincon to be of potential environmental concern to the subject property, based on one or more of the factors listed above, are summarized in Table 2. In accordance with ASTM, contamination migration pathways in soil, groundwater, and soil vapor were considered in our analysis of offsite properties of potential environmental concern.

Table 2 - EDR Listing Summary of Select Sites within One-Quarter Mile of the Subject Site

Site Name	EDR Site ID	Site Address	Distance from Subject Property	Database Reference
Subject Property				
LA UNI SCH DIS, McKinley Ave	A1, A2	7812 McKinley Avenue	Subject Property	EMI, HAZNET

Notes:

There are no adjacent properties listed on databases searched by EDR.

EDR did not report unauthorized release sites within 1/4 mile of the subject property.

Regulatory agency information reviewed for the listings in the table above are summarized in the Additional Environmental Record Sources section of this report.

Orphan Listings

EDR reported five orphan or unmapped site listings, which EDR is unable to plot due to insufficient address information. Based on the information provided by EDR, the orphan listings are not expected to impact the subject property.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

Review of Agency Files

As a follow-up to the database search, Rincon reviewed regulatory information for facilities within the specified search radii that were interpreted to have the potential to impact the subject property, based on one or more factors previously discussed (e.g., distance, open case status, up-gradient location, soil vapor migration).

The following is a summary of our review of regulatory information obtained from review of online sources (e.g., State Water Resources Control Board {SWRCB} GeoTracker database, the California Department of Toxic Substances Control {DTSC} Envirostor database) and/or files requested from the applicable regulatory agency, as described below.

Subject Property

The following is a summary of the regulatory database listings searched by EDR for the subject property:

- A. **LAUSD/McKinley Avenue Elementary School:** - The subject property was listed on the EMI and HAZNET databases searched by EDR. The EMI listing indicates that the subject property was associated with a release of greenhouse gases to the environment in 1990; however, the type and amount of gas or particulate release was not identified. The HAZNET listing indicates that the subject generated various types of hazardous waste for offsite disposal in 2009, 2004, 2003, 1994, and 1993. Most of the waste was described as asbestos-containing waste or other inorganic solid waste.

Adjacent Properties

No adjacent properties were listed on databases searched by EDR.



Nearby Release Properties (within 1/4 mile)

EDR did not report any unauthorized release properties within 1/4 mile of the subject property.

Known or Suspect Contaminated Release Sites with Potential Vapor Migration

The EDR report was reviewed to identify nearby known or suspect contaminated sites that have the potential for contaminated vapor originating from the nearby site to be migrating beneath the subject property. Based on the ASTM E 2600-10, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, the following minimum search distances were initially used to determine if contaminated soil vapors from a nearby known or suspect contaminated site have the potential to be migrating beneath the subject property:

- 1/10 mile (528 feet) for petroleum hydrocarbons
- 1/3 mile (1,760 feet) for other contaminants of concern (COCs)

If up-gradient known or suspect contaminated sites are located within the above referenced distances from the subject property, online resources are reviewed to determine the extent of the contaminated plume at those sites. The following describes search distances for contaminated plumes of petroleum hydrocarbons and other COCs.

Petroleum Hydrocarbons

Based on our review of the EDR report, there are no up-gradient or adjacent suspect release sites with the potential to have petroleum hydrocarbon-impacted soil or groundwater plumes located within 30 feet of the subject property.

Other COCs

Based on our review of the EDR report, there are no other adjacent or up-gradient known or suspect contaminated soil or groundwater plumes located within 100 feet of the subject property.

Review of State of California Division of Oil and Gas Records

A review of the Department of Conservation, Division of Oil, Gas & Geothermal Resources (DOGGR) Online Mapping System indicates that no oil wells are located within 0.50 mile of the subject property. The nearest oil field, the Howard Townsite Field, is approximately 3 miles southeast of the subject property.

According to the City of Los Angeles Zoning Information and Map Access System (Zimas), the site is not located within a methane zone or methane buffer zone.

Radon

A radon survey was not conducted as part of this assessment. According to EDR, the subject property is located in Federal EPA Radon Zone 2 which has an indoor average level of greater than or equal to 2 picoCuries per liter (pCi/L) and less than or equal to 4 pCi/L. Additionally, according to the Radon Potential Zone Map for Southern Los Angeles County, California provided by LAUSD, the subject property is located in an area described as “Low Potential for



Indoor Radon Levels Above 4.0 Picocuries per Liter (CGS, 2005).” The radon map is included in Appendix 2.

HISTORICAL USE INFORMATION ON THE PROPERTY AND THE ADJOINING PROPERTIES

The historic records review completed for this Phase I ESA includes topographic maps, aerial photographs, fire insurance maps (Sanborn Maps), building permits and city directories as detailed in the following sections. Table 3 provides a summary of the historical use information available for the subject property. Historical resources reviewed are included in Appendix 3.

Review of Historic Aerial Photographs

Aerial photographs from EDR’s aerial photograph collection were obtained and reviewed. Copies of available aerial photographs are included in Appendix 3.

Review of City Directory Listings

EDR was contracted to provide copies of city directory listings for the subject property. Copies of the city directory listings are included in Appendix 3.

Review of Fire Insurance Maps

EDR was contracted to provide copies of fire insurance maps for the subject property. Copies of available Sanborn Maps are included in Appendix 3.

Review of Historic Topographic Maps

Historic topographic maps from EDR’s map collection were obtained and reviewed (Appendix 3).

Review of Historic Building Permits

In an effort to obtain building permit information for the subject property, Rincon accessed the Los Angeles Department of Building and Safety online building records. Building permit record information is listed in Table 3.

Summary of Historic Uses

Subject Property

Based on our review of the documents listed above and summarized in Table 3 below, it appears that the subject property was undeveloped up until at least 1928. According to the 1928 aerial photograph, the western portion of the subject property appears to be occupied by school structures (along McKinley Avenue) with a central playground area behind the school buildings. The eastern portion of the subject property appears to be occupied by residential dwellings. According to the 1950 Sanborn Map, the western portion of the subject property is occupied by the main school building along McKinley Avenue, a kindergarten, an auditorium



structure (indicated as built in 1929 and rebuilt in 1936), a lunch shed, and classrooms while the eastern portion of the subject property consists of multiple parcels occupied by dwellings, some with detached auto garages. By 1963, the eastern portion of the subject property is no longer occupied by residential dwellings. According to the 1969 Sanborn Map, the 79th Street School (modern day McKinley Elementary) consists of the main school building along McKinley Avenue, the original kindergarten building, an additional kindergarten building (indicated as built in 1962), an auditorium structure (indicated as built in 1929 and rebuilt in 1936), a cafeteria building, several classroom buildings (indicated as built in 1959 and 1963), and a large playground. With the exception of a few added and removed small structures or sheds, the subject property generally remains unchanged from 1969 through 1994. By 2002, five additional classroom structures have been constructed on the eastern half of the subject property along East 78th Street. By 2012, the two easternmost structures have been removed from the subject property. In general, the subject property configuration does not change through from 2012 through present-day.

Table 3 - Historical Use of the Subject Property

Year	Use	Source
7812 McKinley Avenue, Los Angeles, California		
1896	The subject property appears to be undeveloped.	Topographic Map (TM) – Redondo Quadrangle
1923	The subject property consists of multiple vacant parcels.	Sanborn Map (SM)
1923	Similar to the 1896 TM.	TM – Watts Quadrangle
1923	The subject property appears to be vacant.	Aerial Photograph (AP)
1924	Similar to the 1923 TM.	TM – Watts Quadrangle
1924	Permit for new building construction.	Building Permit (BP)
1928	The subject property appears to be occupied by school structures on the west side of the property along McKinley Avenue. There appears to be a central playground area and the eastern portion of the subject property appears to be occupied by residential dwellings.	AP
1928	Three building permits for new construction; one building permit for addition to a present school structure; permit to move temporary school bungalow to rear of lot.	BP
1929	Permit for new building construction.	BP
1932	Permit for building alteration/repair; permit to relocate temporary school bungalow.	BP
1933	Permit for building alteration/repair; permit to relocate temporary school bungalow.	BP
1934	Permit for building alteration/repair: reconstruct main building and kindergarten; three permits for new building construction.	BP
1935	Permit for building alteration/repair: permit to tile interior.	BP
1936	Permit for building alteration/repair: tile work.	BP
1937	The subject property is occupied by a school, which is indicated by a flag symbol on the topographic map.	TM – Watts Quadrangle



Year	Use	Source
1937	Permit to relocate temporary school bungalow.	BP
1938	Similar to the 1928 AP.	AP
1948	Similar to the 1937 TM; the subject property is shaded indicated development.	TM – Redondo and Downey Quadrangles
1950	The majority of the subject property remains shaded and occupied by school structures represented by a flag symbol on the topographic map; the school is indicated as 79 th Street School.	TM – Inglewood Quadrangle
1950	The western portion of the subject property is occupied by 79 th Street School which consists of the main school building along McKinley Avenue, a kindergarten, an auditorium structure (indicated as built in 1929 and rebuilt in 1936), a lunch shed, and class rooms. The eastern portion of the subject property consists of multiple parcels occupied by dwellings, some with detached auto garages.	SM
1952	Similar to the 1950 TM.	TM – Inglewood Quadrangle
1952	Similar to the 1938 AP.	AP
1952	Permit for building alteration/repair: new doors to boys and girls bathrooms, main building.	BP
1955	Two permits for new building construction.	BP
1960	Permit for new building construction.	BP
1963	The eastern portion of the subject property is no longer occupied by residential dwellings; the majority of the subject property is occupied by the 79 th Street School with buildings along East 78 th Street and McKinley Avenue; there is a paved playground area behind the school.	AP
1964	Similar to the 1952 TM.	TM – Inglewood Quadrangle
1969	The subject property is occupied by the 79 th Street School which consists of the main school building along McKinley Avenue, the original kindergarten building, an additional kindergarten building (indicated as built in 1962), an auditorium structure (indicated as built in 1929 and rebuilt in 1936), a cafeteria building, several class room buildings (indicated as built in 1959 and 1963), and a large playground; there are no residential dwellings on the eastern portion of the subject property as was depicted in the 1950 SM.	SM
1972	Similar to the 1964 TM.	TM – Inglewood Quadrangle
1972	Similar to the 1963 AP; however, there are fewer classroom structures along East 78 th Street.	AP
1977	Similar to the 1972 AP.	AP
1981	Similar to the 1977 AP.	AP
1981	Similar to the 1972 AP.	TM – Inglewood Quadrangle
1989	Similar to the 1981 with the addition of structures or sheds on the central portion of the subject property.	AP
1994	Similar to the 1981 AP with the addition of more structures or sheds on the eastern portion of the subject property.	AP
2002	The subject property remains occupied by the school; five structures have been constructed on the eastern half of the subject property (east of the auditorium/cafeteria buildings) along East 78 th Street.	AP



Year	Use	Source
2005	Similar to the 2002 AP.	AP
2009	Similar to the 2005 AP.	AP
2010	Similar to the 2009 AP.	AP
2012	Similar to the 2010 AP; however, the two easternmost structures have been removed from the subject property.	AP
2012	Similar to the 1981 TM.	TM – Inglewood Quadrangle
2016	The subject property remains occupied by the McKinley Avenue Elementary School.	Google Earth

Northern Adjacent Property

Based on our review of the documents listed above, the northern adjacent properties were undeveloped through 1923. The 1923 aerial photograph and Sanborn Map indicate that the northern adjacent properties were vacant at that time. By 1928, the northern adjacent properties (along the south side of East 78th Street) are occupied by residential dwellings with detached garages. The northern adjacent properties have historically been occupied by residential dwellings and remain so through the present-day.

Eastern Adjacent Properties

Based on our review of the documents listed above, the eastern adjacent properties were undeveloped through 1923. The 1923 aerial photograph and Sanborn Map indicate that the eastern adjacent properties were vacant at that time. By 1928, the eastern adjacent properties (along the east side of Wadsworth Avenue) are occupied by residential dwellings and apartments. The eastern adjacent properties have historically been occupied by residential dwellings and remain so through the present-day.

Southern Adjacent Properties

Based on our review of the documents listed above, the southern adjacent properties were undeveloped through 1923. The 1923 aerial photograph and Sanborn Map indicate that the southern adjacent properties were vacant at that time. By 1928, the southern adjacent properties (along the north side of East 79th Street) are occupied by residential dwellings and multi-family apartment structures (some with detached garages). The southern adjacent properties have historically been occupied by residential dwellings and remain so through the present-day.

Western Adjacent Properties

Based on our review of the documents listed above, the western adjacent properties were undeveloped through 1923. The 1923 aerial photograph and Sanborn Map indicate that the western adjacent properties were vacant at that time. By 1928, the western adjacent properties (along the east side of McKinley Avenue) are occupied by residential dwellings and apartments with detached garages. The western adjacent properties have historically been occupied by residential dwellings and remain so through the present-day. The southwestern adjacent property has been occupied by a store since at least 1950.



Gaps in Historical Sources

Several gaps of greater than five years were identified in the historical records reviewed, from 1896-1923, 1937-1948, 1981-1989, 1989-1994, and 1994-2002. These gaps are considered insignificant because the subject property land use does not change through the indicated times.

INTERVIEWS

Rincon Consultants performed interviews regarding the subject property and surrounding areas. The purpose of the interview was to discuss current and historical subject property conditions and to obtain information indicating the presence of recognized environmental conditions in connection with the property.

INTERVIEW WITH OWNER

As per LAUSD request, we sent the Owner Interview Questionnaire to Charles Garnett, Plant Manager for McKinley Elementary. As of the date of this report, a completed questionnaire has not been received.

INTERVIEW WITH PROPERTY MANAGER

On June 21, 2017, we interviewed Charles Garnett, Plant Manager for McKinley Elementary. Mr. Garnett indicated the school was built in 1925. Other information obtained during this interview is included in the Site Reconnaissance section of this report.

INTERVIEWS WITH GOVERNMENT OFFICIALS

Rincon accessed the Los Angeles Fire Department Public Records online database for information regarding underground storage tanks, aboveground petroleum storage tanks, and hazardous materials listed facilities. Results of the online search indicated that the subject property is listed as an inactive Certified Unified Program Agencies (CUPA) regulated facility for hazardous materials site ID FA0015739). Rincon submitted a Los Angeles Fire Department Underground Storage Tanks Request for Fire Prevention Public Records on June 13, 2017. The Fire Department responded that no files were available pertaining to USTs on the subject property. A Hazardous Materials Request Form was also submitted to the Fire Department on July 3, 2017. A list of hazardous chemicals stored on the property was provided, which included household chemicals that would be expected at a school site, such as glue, graffiti remover, etc.

In addition, we contacted the LADWP to request the dates of the three pad mounted transformers observed on the subject property. Bruce Spease, Overhead Design with LADWP, indicated that judging by the photos of the tags of the transformers that we emailed him, the transformers were likely dry transformers owned by the school. He indicated, "We have an overhead system that feeds the school on McKinley Avenue in front of the school. It most likely dips to the schools panel and then to these [pad-mounted] transformers to transform to a usable voltage inside the building. I think these must be owned and maintained by the school." We



contacted Mr. Garnett at McKinley Elementary to request more information. As of the date of this report, a response has not been received.

SITE RECONNAISSANCE

Rincon Consultants performed a reconnaissance of the subject property on June 21, 2017 accompanied by Charles Garnett, Plant Manager for McKinley Elementary. The purpose of the reconnaissance was to observe existing subject property conditions and to obtain information indicating the presence of recognized environmental conditions in connection with the property.

METHODOLOGY AND LIMITING CONDITIONS

The site reconnaissance was conducted by:

1. Observing the subject property from public thoroughfares,
2. Observing the adjacent properties from public thoroughfares,
3. Observing the interior of the onsite structures,
4. Observing the exterior of the structures,
5. Backtracking to correlate exterior features with interior features, as necessary, and
6. Observing the subject property from driveways, roads, and walking paths.

CURRENT USE OF THE PROPERTY AND ADJACENT PROPERTIES

The subject property is currently occupied by the McKinley Avenue Elementary School. Adjacent properties are used for residential purposes.

PAST USE OF THE PROPERTY AND ADJACENT PROPERTIES

Based on our site reconnaissance, former past uses at the subject property and adjacent properties are not readily apparent. However, available records indicate that the subject property has historically been used for educational purposes.

CURRENT OR PAST USES IN THE SURROUNDING AREAS

The subject property is surrounded by residential land uses and some commercial land uses, as detailed in the Site Description section of this report. Past uses of the surrounding area are not readily apparent based on the site reconnaissance.

GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC AND TOPOGRAPHIC CONDITIONS

Geologic, Hydrogeologic, Hydrologic and topographic information are as previously stated in the Physical Settings Section of this report.



GENERAL DESCRIPTION OF STRUCTURES

Onsite structures are as described previously in the Site Description section of this report.

INTERIOR AND EXTERIOR OBSERVATIONS

Storage Tanks

During the site reconnaissance, above-ground storage tanks or evidence of underground storage tanks were not observed. Evidence of a former boiler was noted in the basement, however former oil storage tanks were not identified. A coal fired oven was also observed in the basement.

Drums

During the site reconnaissance, we observed multiple plastic drums/barrels of water stored for natural disaster supplies. No other drums were reported by the site representative or observed during the site reconnaissance. Rincon did not observe indications of releases from the drums on the subject property.

Hazardous Substances and Petroleum Products

With the exception of a few bottles (less than 1 gallon) of miscellaneous cleaners, no hazardous substances and petroleum products were observed during the site reconnaissance.

Unidentified Substance Containers

Unidentified substance containers or unidentified containers that might contain hazardous substances were not observed during the site reconnaissance.

Odors

During the site reconnaissance, Rincon did not identify any strong, pungent, or noxious odors.

Pools of Liquid

During the site reconnaissance, Rincon did not identify any pools of liquid including standing surface water.

Indications of Polychlorinated Biphenyls (PCBs)

Rincon observed an elevator in the main school building. Mr. Garnett indicated the elevator was only 15-16 years old. Therefore, it is unlikely there are PCBs present in the hydraulic fluid. We were unable to observe the locked elevator room.

Mr. Garnett provided a contact number for the elevator servicing company, Excelsior elevators. On July 10, we contacted them to request confirmation on the date of the elevator and the



presence of PCBs in the hydraulic oil. As of the date of this report, a response has not been received.

Other Conditions of Concern

During the site reconnaissance Rincon did not note any of the following:

- clarifiers
- degreasers/parts washers
- pits, ponds, and lagoons
- stained soil
- stressed vegetation
- waste water
- wells
- septic systems/effluent disposal system

Sumps – A sump/sump pump was noted in the basement of the main school building.

CALIFORNIA DEPARTMENT OF EDUCATION SAFETY CONSIDERATIONS

Rincon completed additional site safety research as part of this Phase I ESA to assist LAUSD with CDE information requirements. Rincon performed additional research regarding school site proximity to the following:

- Airports
- Railroads
- Major Roadways
- Hazardous Air Emissions and Facilities Within A Quarter Mile
- High-Voltage Power Transmission Lines
- Pressurized Gas, Gasoline, or Sewer Pipelines
- High-Pressure Water Pipelines, Reservoirs, Water Storage Tanks
- Earthquakes, Liquefaction and Landslides
- Flood or Inundation Areas
- Hazardous Disposal Sites
- Methane Zone

Table 4 – CDE Safety Research

Safety Consideration	Source	Research Information
Proximity to Airports	Google Earth	The closest airport, Hawthorne Municipal Airport, is located about 4.85 miles southeast of the subject property.
Proximity to Railroads	Google Earth	The proposed site is located approximately 0.88-miles west of the nearest railroad tracks which run along Graham Avenue.
Proximity to Major Roadways	Google Earth	The proposed site is located approximately 1.15-miles east of the nearest highway: Interstate 110 – Harbor Freeway.
Hazardous Air Emissions and Facilities Within A Quarter Mile	South Coast Air Quality Management District (SCAQMD) FINDS Database http://www3.aqmd.gov/webappl/fim/prog/search.aspx Colleen Paine SCAQMD Public Records 909-396-2594 CPaine@aqmd.gov	We completed Public Records Request on the SCAQMD website on June 13, 2017 regarding locations of permitted facilities located within ¼ mile of the subject property. We were directed to the FINDS database website. According to the FINDS database, there are three permitted facilities within 1/4 –mile of the subject property. The subject property is listed on the FINDS database. Reportedly, a permit was granted in 1989 to operate a boiler with natural gas. In 1995, a permit was granted for compliance for rule 1146.1. In 2001, an application to operate a boiler was cancelled. Ms. Paine emailed us on June 27, 2017 indicating none of the facilities have active permits and therefore there are no emissions records.
	LAUSD Office of Environmental Health & Safety Edgardo Gillera Site Assessment Project Manager, Environmental Programs 213-241-4578 Edgardo.Gillera@lausd.net	On June 27, 2017, we contacted Mr. Gillera to ask if the McKinley Elementary School was listed on the Priority List of Schools Most at Risk from Air Pollution. McKinley Elementary is not listed on this list, nor is it listed on the High Risk Facility list compiled by the LAUSD Office of Environmental Health and Safety.
Proximity to High-Voltage Power Transmission Lines	Rincon Site Reconnaissance June 21, 2017	On June 21, 2017 Rincon personnel observed power lines and a pole mounted transformer on McKinley Avenue.
	Los Angeles Department of Water and Power (LADWP) Bruce Spease Elec District Mechanical Supervisor 213-367-3429	On June 27, 2017, we spoke to Mr. Spease via telephone. Mr. Spease indicated there are no power lines greater than 34.5 kilovolts (kV) in the vicinity of the subject property. One line is located along McKinley Avenue and one line is located north of 79 th Street. With the exception of the service feeder lines to the subject property, there are no underground lines in the vicinity of the subject property. The feeder lines are less than 1 kV.
Proximity to Pressurized Gas or Gasoline Pipeline	Rincon Site Reconnaissance June 21, 2017	During the site reconnaissance on June 21, 2017, Rincon did not observe underground pipeline markers for located along E 78 th Street, Wadsworth Avenue, E 79 th Street, or McKinley Avenue.
	National Pipeline Mapping Service Public Viewer https://www.npms.phmsa.dot.gov/PublicViewer/	On June 16, 2017, we reviewed the National Pipeline Mapping Service (NPMS) public viewer. No gas transmission pipelines or hazardous liquids pipelines were noted within 1,500-feet of the subject property.



Safety Consideration	Source	Research Information
	SoCal Gas/Sempra Energy Luis Ramirez Pipeline Planning Assistant Socalgastransmissionutilityrequest@Semprautilities.Com	On June 28, 2017 we received an email from SoCalGas indicating the Transmission Department does not operate any facilities within 1,500-feet of the subject property. However, they recommended contacting Northwest Distribution to ensure no conflict with their facilities.
	Northwest Distribution Gamaliel "Gama" Vazquez Planning Associate – Compton HQ 310-605-2194 gvazquez@semprautilities.com	On June 28, 2017 we emailed Northwest Distribution to request information on any pipelines within 1,500-feet of the subject property. Two 2-inch diameter natural gas pipelines run adjacent to the subject property along E 78 th Street and E 79 th Street. Multiple small lines (< 6-inch diameter) are noted serving the neighborhood.
Proximity to High – Volume Water Pipelines, Reservoirs, Water Storage Tanks	Rincon Site Reconnaissance June 21, 2017	On June 21, 2017 Rincon personnel did not observe aboveground reservoirs or water storage tanks within 1,500 of the site.
	LADWP Engineering Terry Nguyen Civil Engineering Associate 213-367-4238 terry.nguyen@ladwp.com	On June 28, 2017, Terry Nguyen emailed us a map of water lines within 1,500 feet of the subject property. Mr. Nguyen indicated the pressure for the pipelines is expected to be between 70 and 100 psi. Based on our review of these maps, there is 4-inch diameter cement line adjacent to the north of the property along E 78 th Street. There is an 8-inch diameter cement line adjacent to the east of the property along Wadsworth Avenue. There is an 8-inch diameter cement line adjacent to the south along E 79 th Street. There is a 6-inch diameter cement line adjacent to the west along McKinley Avenue. In addition, the following 12-inch diameter lines are located within 1,500-foot radius of the subject property: <ul style="list-style-type: none"> • A 12-inch diameter cement line along Central Avenue, approximately 650-feet east of the property • A 12-inch diameter cement line along S Avalon Boulevard, approximately 1,300-feet west of the property
Proximity to Pressurized Sewer Pipeline	Los Angeles Department of Public Works Sewer Maintenance Department (SMD) http://dpw.lacounty.gov/smd/sewernetwork/	On July 10, 2017 we reviewed the SMD sanitary sewer network map. There are no sanitary sewer system sewer lines maintained by the Consolidated Sewer Maintenance District on or adjacent to the subject property.
	City of Los Angeles Bureau of Engineering Website: https://data.lacity.org/A-Livable-and-Sustainable-City/Sewer-System/7aty-5ywx/data Email: eng.wla@lacity.org	On July 13, 2017 we reviewed the Bureau of Engineering official sanitary sewer district map. According to the map, in addition to small feeder lines, there are two sewer lines adjacent to the subject property, one adjacent to the north along 78 th Street, and one adjacent to the south along 79 th Street.



Safety Consideration	Source	Research Information
Earthquakes, Liquefaction and Landslides	Department of Conservation Alquist-Priolo http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps	According to the California Geological Survey (CGS) <i>Earthquake Zones of Required Investigation-Inglewood Quadrangle</i> map reviewed online on June 26, 2017, the subject property is located in a liquefaction zone. The nearest fault zone is the Potrero Fault Zone, approximately 2.25 miles west of the subject property.
Flood or Inundation Areas	Los Angeles County Department of Public Works Flood Zone Determination Website http://dpw.lacounty.gov/apps/wmd/floodzone/map.htm	The subject property does not appear to be located in a flood zone area.
Hazardous Disposal Sites	EDR Report	The subject property is not located within 2,000 feet of a landfill site.
Methane Zone	Los Angeles County Zimas website http://zimas.lacity.org/	The subject property is not located within a methane hazard zone or methane buffer zone.

The subject property is located approximately 650-feet and 1,300-feet from two 12-inch diameter cement lines. The California Code of Regulations (CCR) Title 5 states that school sites within 1,500-feet of an underground high-volume water lines (12 inches in diameter or greater and regardless of pressure) will require a risk analysis assessment if this site was to be considered for development as a new school site.

Based on the results of the research conducted as of the date of this report, we do not anticipate the need for additional CDE studies with regard to airports, railroads, major roadways, hazardous air emissions, high-voltage power transmission lines, water storage tanks or reservoirs, earthquakes, liquefaction and landslides, flood or inundation, hazardous disposal sites, or methane.

This information will be presented in the Preliminary Environmental Assessment (PEA) proposed for the site.

EVALUATION

FINDINGS

Known or suspect environmental conditions associated with the property include the following:

1. Potential presence of organochlorine pesticides (including lead and arsenic) in onsite soils, especially around pre 1989 structures
2. Potential presence of arsenic based herbicides beneath paved areas
3. Potential presence of lead based paint and asbestos in onsite structures



OPINIONS

Potential presence of organochlorine pesticides in onsite soils, especially around pre-1989 current and former structures – The Interim Guidance Evaluation of School Sites with Potential Soil Contamination as a Result Of Lead From Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers (DTSC, 2006) gives guidance on recommended soil sampling based on ages of onsite structures and likelihood of contaminants. Based on the age of the main school building and cafeteria, which were constructed prior to 1989, and former pre-1989 buildings on the northern portion of the site, organochlorine pesticides used as termiticides may be present in onsite soils. This finding is considered a potential Recognized Environmental Condition.

Potential presence of arsenic based herbicides beneath paved areas - Since it was formerly a common practice for LAUSD to apply an arsenic-based herbicide to soil immediately prior to paving with asphalt, arsenic may be present in the onsite soils located beneath the paved areas of the property. This finding is considered a potential Recognized Environmental Condition.

Potential presence of lead in soil around pre-1993 structures - Based on our review of historical sources, the existing buildings on the subject property were built between approximately 1925 and 1936. Therefore, lead-based paint may have been used on building exteriors and may be present in onsite soils in the vicinity of existing pre-1993 and former structures (as per the 2006 DTSC Interim Guidance document). The potential presence of lead in soil is a potential Recognized Environmental Condition.

Potential presence of hydraulic oils containing PCBs in the elevator and transformers utilized onsite - If PCB containing oils are present onsite, they should be replaced with non-PCB containing oils. In addition, if staining is identified in the elevator room, additional soil sampling for hydraulic oils and metals should be conducted. Since the elevator was installed in approximately 2000, it is not likely that the elevator equipment contains PCBs, and therefore the presence of a hydraulic elevator does not represent an environmental concern.

According to information provided by the LADWP, transformers observed at the subject property are likely dry-type. Therefore, the transformers do not represent an environmental concern.

Potential presence of lead based paint and asbestos in onsite structures - Based on our review of historical sources, the existing buildings on the subject property were built between approximately 1925 and 1936. Although not considered a REC, pursuant to ASTM E 1527-13, structures constructed prior to 1978 may contain lead based paint (LBP) and structures constructed prior to 1981 may contain asbestos containing building materials (ACBM). Based on the age of the onsite structures, there is the potential that LBP and ACBM were used during the construction of the onsite structures. This finding is considered a potential Recognized Environmental Condition.

In addition, based on the additional site safety research conducted as part of this Phase I ESA, additional CDE safety studies would be warranted due to the following if this property was under consideration as a new school site:

- Potential flooding issues due to the proximity of the proposed school site to high volume water pipelines.

This safety consideration would likely require further study if the subject property were under consideration for acquisition for the construction of a new school. Because the property is currently in use as a school, application of this factor for potential land-acquisition purposes does not apply.

CONCLUSIONS

Rincon has performed a Phase I ESA in general conformance with the scope and limitations of ASTM E 1527-13 for the McKinley Elementary School located at 7812 McKinley Avenue in Los Angeles, California. This assessment has revealed evidence of four potential Recognized Environmental Conditions that could affect modernization of the school.

Potential Recognized Environmental Conditions

1. *Potential presence of organochlorine pesticides in onsite soils, especially around pre-1989 current and former onsite structures*
2. *Potential presence of lead in onsite soils around pre-1993 current and former onsite structures*
3. *Potential presence of arsenic-based herbicides beneath paved areas*
4. *Potential presence of lead based paint and asbestos in onsite structures*

RECOMMENDATIONS

We recommend performing a Preliminary Environmental Assessment (PEA) as described below:

- Sample the onsite soils and adjacent to pre-1989 structures and near former onsite structures dated pre-1989 for organochlorine pesticides to determine if organochlorine pesticides are present in the onsite soils at acceptable concentrations.
- Sample the onsite soils adjacent to pre-1993 current and former onsite structures for lead to determine if lead-based paint applied to exteriors has impacted soil.
- Sample the onsite soils below the paved areas of the site for arsenic to determine if arsenic is present at acceptable concentrations.

Additionally, we recommend the following:

- Completion of a lead-based paint and asbestos survey prior to demolition or remodeling of onsite structures.

The CDE checklist is a set of guidelines for the selection of new school sites. However, since the McKinley Elementary School is an established school and is undergoing reconstruction, we recommend further discussions between LAUSD and the CDE to determine if the additional flooding study listed above is warranted for the existing school site.



In addition, because we are waiting for a response from SoCalGas Northwest Distribution and from the Los Angeles Bureau of Engineering, we recommend the information from this agency be reviewed and incorporated into this report.

DEVIATIONS

Deviations from ASTM E 1527-13 Practice were encountered during the completion of this Phase I ESA. A User Questionnaire and Owner Questionnaire were not completed as part of this assessment. In addition, we did not receive a response from Northwest Distribution or the Los Angeles Bureau of Engineering as part of the CDE checklist.

REFERENCES

The following published reference materials were used in preparation of this Phase I ESA:

Environmental database: Environmental Data Resources (EDR) report dated June 7, 2017.

Geology: Geologic Map of the Venice and Inglewood Quadrangles, Los Angeles County, California, 2007, compiled by Thomas W. Dibble, Jr.

Groundwater: RWQCB online database (GeoTracker); EDR June 7, 2017; Department of Water Resources Groundwater Bulletin 118, 2004.

Topography: USGS topographic map (Inglewood Quadrangle, 2012).

Oil and gas records: State of California, Division of Oil, Gas and Geothermal Resources website: <http://maps.conservation.ca.gov/doggr/index.html#openModal>.

Aerial photographs: Photos provided by EDR.

City directory listings: Listings provided by EDR.

Historic topographic maps: Maps provided by EDR.

Fire insurance maps: Sanborn Maps provided by EDR.

Other: DTSC, *Interim Guidance Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers*, Revised June 9, 2006; California Geological Survey, Radon Potential Zone Map for Southern Los Angeles County, California, January 2005.

SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The qualified environmental professionals that are responsible for preparing the report include Julie Welch Marshall and Walt Hamann. Their qualifications are summarized in the following section.

"We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."



Signature

Walt Hamann

Name

July 28, 2017

Date

Vice President, PG, CHG, CEG

Title



Signature

Julie Welch Marshall

Name

July 28, 2017

Date

Senior Project Manager

Title

QUALIFICATIONS OF ENVIRONMENTAL CONSULTANTS

The environmental consultants responsible for conducting this Phase I ESA and preparing the report include Julie Welch Marshall and Walt Hamann. Their qualifications are summarized below.

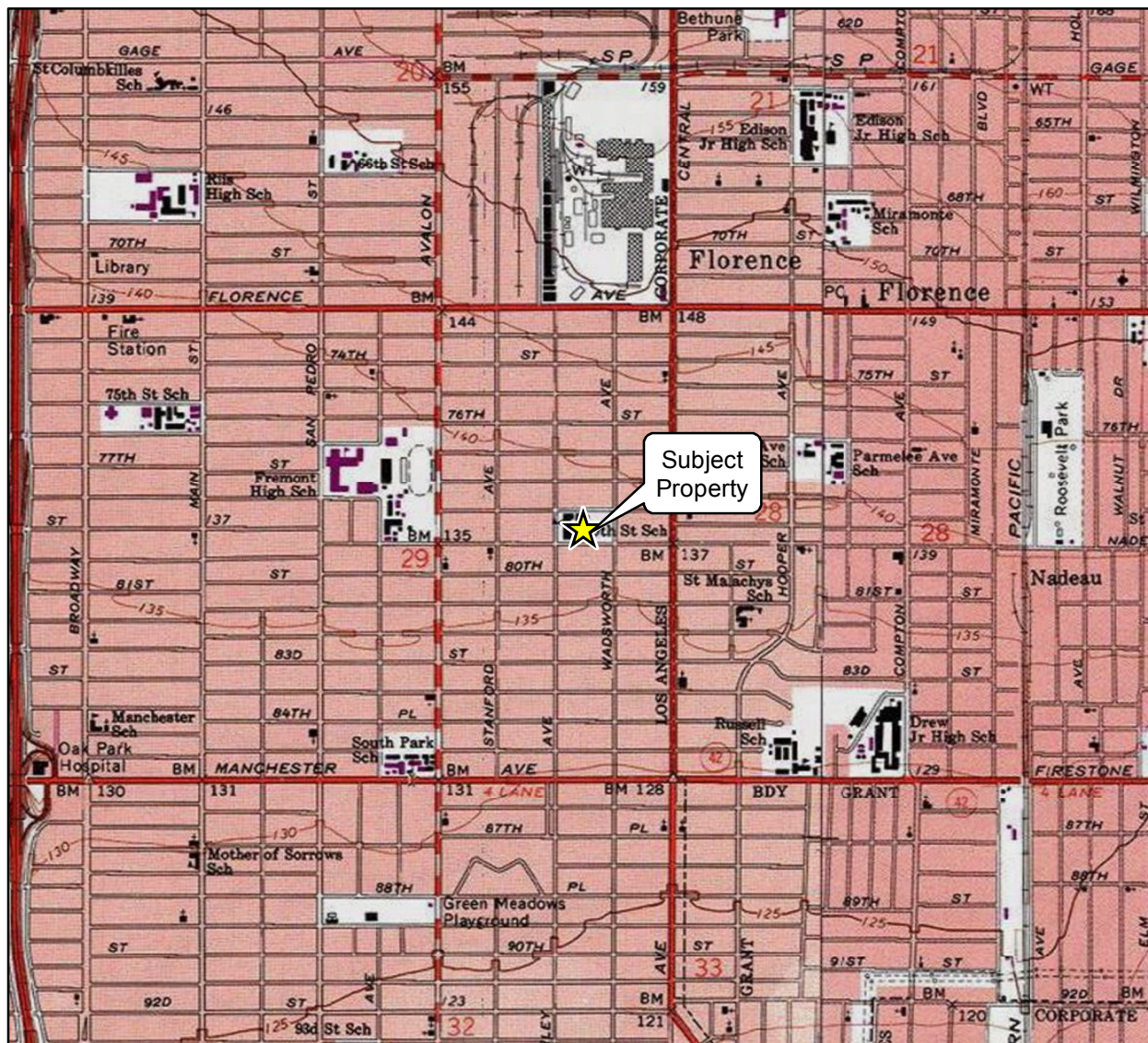
Environmental Professional Qualifications	X2.1.1 (2) (i) - Professional Engineer or Professional Geologist License or Registration, and 3 years of full-time relevant experience	X2.1.1 (2) (ii) - Licensed or certified by the Federal Government, State, Tribe, or U.S. Territory to perform environmental inquiries	X2.1.1 (2) (iii) – Baccalaureate or Higher Degree from and accredited institution of higher education in a discipline of engineering or science and the equivalent of 5 years of full-time relevant experience	X2.1.1 (2) (iii) – Equivalent of 10 years of full-time relevant experience
Walt Hamann	PG, CHG, CEG		MS Geology	30 years
Julie Welch Marshall			BS Environmental Engineering	22 years
Devin DiNapoli			BA Earth Science	3 years

Walt Hamann, PG, CEG, CHG, is a Principal and Senior Geologist with Rincon Consultants. He holds a Bachelor of Arts degree in geology from the University of California, Santa Barbara and a Master of Science degree in geology from the University of California, Los Angeles. He has over 30 years of experience conducting assessment and remediation projects and has prepared or overseen the preparation of hundreds of Phase I and Phase II Environmental Site Assessments throughout California. Mr. Hamann is a Professional Geologist (#4742), Certified Engineering Geologist (#1635), and Certified Hydrogeologist (#208) with the State of California.

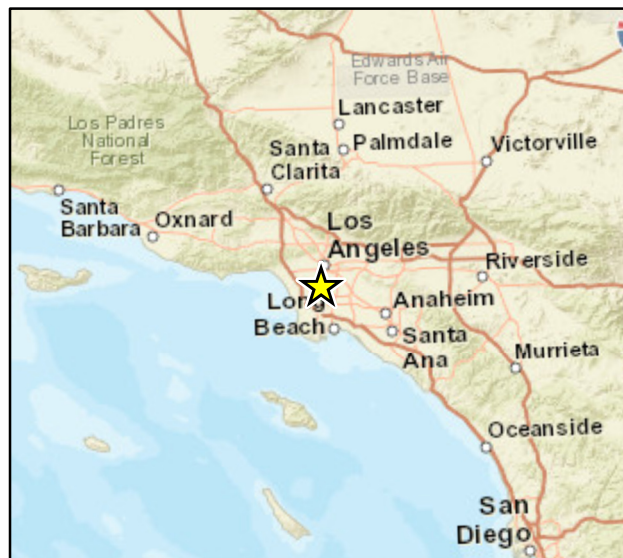
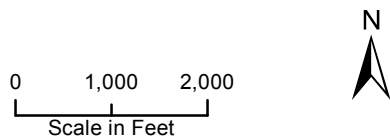
Julie Welch Marshall is a Senior Project Manager with Rincon Consultants. She holds a Bachelor of Science degree in environmental engineering from Rensselaer Polytechnic Institute, Troy, New York, a Hazardous Materials Management Certificate from the University of California, Santa Barbara Extension program, and a Business Management Certificate from the University of California, San Diego Extension program. Ms. Marshall's responsibilities at Rincon include implementation of site assessments and development of site remediation programs within the Environmental Site Assessment and Remediation Group. Ms. Marshall has extensive experience performing Due Diligence Phase I and Phase II Environmental Site Assessments as well as managing Brownfields and various remediation projects. She has 22 years of experience conducting research, assessment and remediation projects in California.

Devin DiNapoli is an Environmental Scientist with Rincon Consultants. She holds a Bachelor's Degree in Earth Science from the University of Southern California. Ms. DiNapoli has experience working on Phase I Environmental Site Assessments for a variety of commercial, rural, and industrial properties. She also has experience conducting Phase II projects including soil and soil vapor assessments. Ms. DiNapoli's responsibilities at Rincon include implementation of Phase I and Phase II Environmental Site Assessments and preparing environmental reports.





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Vicinity Map

Figure 1



Site Map

Figure 2



Imagery provided by Google and its licensors © 2017.

Adjacent Land Use Map

Figure 3



Photograph 1. View of the exterior of McKinley Elementary School, facing southeast.



Photograph 2. View of the portable classrooms, facing northeast-east.



Photograph 3. View of the kindergarten area and Hubert Hall, facing west-northwest.



Photograph 4. View of the pole mounted transformer along the western property boundary, facing south.



Photograph 5. View of the interior of the main school building.



Photograph 6. View of the former boiler in the basement of the main school building.

Site Photographs

Figure 4



Photograph 7. View of storage of earthquake supplies, including drums of water, stored in one of the onsite storage units.



Photograph 8. View of the interior of the onsite cafeteria.



Photograph 9. View of one of three onsite pad-mounted transformers.



Photograph 10. View of the eastern adjacent residential properties, facing northeast.



Photograph 11. View of southern adjacent vacant lot and southern adjacent residential properties, facing south.



Photograph 12. View of the western adjacent residential property, facing west.

Site Photographs

Figure 5



Appendix 1

Regulatory Records Documentation

McKinley Avenue Elementary School

7812 McKinley Ave

Los Angeles, CA 90001

Inquiry Number: 04959892.2r

June 07, 2017

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

7812 MCKINLEY AVE
LOS ANGELES, CA 90001

COORDINATES

Latitude (North):	33.9679600 - 33° 58' 4.65"
Longitude (West):	118.2596750 - 118° 15' 34.83"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	383621.9
UTM Y (Meters):	3759124.0
Elevation:	140 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640440 INGLEWOOD, CA
Version Date:	2012
Southeast Map:	5633765 SOUTH GATE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
7812 MCKINLEY AVE
LOS ANGELES, CA 90001

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LA UNI SCH DIST, MCK	7812 MCKINLEY AV	EMI		TP
A2	LAUSD/MCKINLEY AVE E	7812 MCKINLEY AVE	HAZNET		TP
3	BARRAGAN AUTO SHOP	7704 MCKINLEY AVE	EDR Hist Auto	Higher	249, 0.047, NW
B4	SWING TIME CLEANERS	7803 S CENTRAL AVE	EDR Hist Cleaner	Higher	642, 0.122, East
B5	LUJAN PAUL	7719 S CENTRAL AVE	EDR Hist Cleaner	Higher	655, 0.124, ENE
C6	PALMA RECYCLING CENT	7907 S CENTRAL AVE	SWRCY	Higher	673, 0.127, ESE
C7	PALMA #2 RECYCLING C	7907 S CENTRAL AVE	SWRCY	Higher	673, 0.127, ESE
B8	WILLIE & HAWKS AUTO	7768 CENTRAL AVE	RCRA-SQG, FINDS, ECHO	Higher	722, 0.137, East
9	MORENO AUTO PARTS	7523 S CENTRAL AVE	RCRA-SQG, FINDS, ECHO	Higher	1244, 0.236, NE
10	SHIN'S WELDING & IRO	7914 AVALON BLVD	SWEEPS UST, CA FID UST	Lower	1304, 0.247, WSW
11	EVELING RECYCLING	8228 S CENTRAL AVE	SWRCY	Lower	1493, 0.283, SE
12	MORRIS GARAGE	8301 S AVALON BLVD	LUST	Lower	2012, 0.381, SW
13	FOMER GASOLINE STATI	7402 S AVALON BLVD	LUST	Higher	2032, 0.385, NW
14	MIRACLE MISSION BAPT	8416 S CENTRAL AVE	LUST	Lower	2080, 0.394, SSE
D15	CALDERON RECYCLING	738 E FLORENCE	SWRCY	Higher	2239, 0.424, NNW
16	GOODYEAR TRACT	900 FLORENCE AVE E F	US BROWNFIELDS	Higher	2258, 0.428, North
17	THE BUMPER SHOP, INC	803 E. FLORENCE STRE	ENVIROSTOR	Higher	2342, 0.444, North
D18	GTE - GOLETA CENTRAL	735 FLORENCE	HIST CORTESE	Higher	2395, 0.454, NNW
E19	SHELL	1020 FLORENCE AVE E	LUST	Higher	2405, 0.455, NNE
20	SPEEDY LUBE FORMER M	7200 AVALON BLVD	LUST	Higher	2525, 0.478, NW
E21	WORLD OIL CO	1101 E FLORENCE	RCRA-SQG, LUST, HIST UST, FINDS, ECHO, HIST...	Higher	2544, 0.482, NNE
22	ONE-STOP RECYCLING	7100 S STANFORD AVE	SWRCY	Higher	2608, 0.494, NNW
23	W & C METAL POLISHIN	735 E MANCHESTER AVE	RCRA-SQG, ENVIROSTOR, FINDS, ECHO, HAZNET	Lower	2621, 0.496, SSW
24	FREMONT HIGH SCHOOL	7676 SOUTH SAN PEDRO	ENVIROSTOR, SCH, NPDES	Higher	2675, 0.507, WNW
25	NATIONAL SANDBLASTIN	7101 S MCKINLEY AVEN	ENVIROSTOR	Higher	2708, 0.513, NNW
26	GRAYBILL METAL POLIS	1245 E FLORENCE AVE	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, ICIS, FINDS,...	Higher	3003, 0.569, NE
F27	GENERAL ELECTRIC - E	6900 STANFORD AVENUE	ENVIROSTOR, VCP, HIST UST	Higher	3246, 0.615, NNW
F28	GENERAL ELECTRIC, (F	6900 STANFORD AVENUE	CA BOND EXP. PLAN	Higher	3246, 0.615, NNW
29	STUART IRONSIDES	6815 MCKINLEY AVE	ENVIROSTOR	Higher	3483, 0.660, North
G30	MIRAMONTE PRIMARY CE	HOOPER AVENUE/EAST 6	ENVIROSTOR, SCH	Higher	3900, 0.739, NNE
31	GOODYEAR TIRE & RUBB	6701 SOUTH CENTRAL A	ENVIROSTOR	Higher	3992, 0.756, NNE
G32	HOOPER/MIRAMONTE PRI	68TH STREET/HOOPER A	ENVIROSTOR, SCH	Higher	4043, 0.766, NNE
33	DAVID P GOODNAM	6600 STANFORD AVE	ENVIROSTOR, SWEEPS UST, CA FID UST	Higher	4375, 0.829, North
H34	MITCHELL INVESTORS	7702 MAIE AVE	RCRA-SQG, SLIC, UST, EMI, ENF, LOS ANGELES CO....	Higher	4385, 0.830, East
H35	WAYMIRE DRUM COMPANY	7702 MAIE AVENUE	ENVIROSTOR, HAZNET	Higher	4385, 0.830, East
36	L & B INDUSTRIES INC	7412 MAIE AVENUE	ENVIROSTOR, HAZNET	Higher	4675, 0.885, ENE
37	ALPHA CENTURION	802 EAST GAGE AVENUE	ENVIROSTOR	Higher	4846, 0.918, North
38	HOOPER/MIRAMONTE PRI	61ST STREET/NAOMI AV	ENVIROSTOR, SCH	Higher	4981, 0.943, NNE
I39	SOUTH REGION HS #2,	CENTRAL AVENUE/GAGE	ENVIROSTOR, SCH, DEED	Higher	5002, 0.947, North

MAPPED SITES SUMMARY

Target Property Address:
7812 MCKINLEY AVE
LOS ANGELES, CA 90001

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	TROJAN METAL PRODUCT	735 E GAGE AVE	RCRA-SQG, ENVIROSTOR, FINDS, ECHO, EMI, HAZNET	Higher	5038, 0.954, North
41	PRPSD CHARTER SCHOOL	8145 AND 8205 BEACH	ENVIROSTOR, SCH	Lower	5133, 0.972, ESE
42	MODINE WESTERN INC.	6309 SOUTH CENTRAL A	ENVIROSTOR	Higher	5221, 0.989, North
43	ESKIMO RADIATOR	6309 SOUTH CENTRAL A	CA BOND EXP. PLAN	Higher	5221, 0.989, North

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LA UNI SCH DIST, MCK 7812 MCKINLEY AV LOS ANGELES, CA 90001	EMI Facility Id: 72774	N/A
LAUSD/MCKINLEY AVE E 7812 MCKINLEY AVE LOS ANGELES, CA 90001	HAZNET GEPAID: CAD982046203	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory

EXECUTIVE SUMMARY

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN..... San Gabriel Valley Areas of Concern
US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST..... Hazardous Substance Storage Container Database

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database

EXECUTIVE SUMMARY

HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
LOS ANGELES CO. HMS.....	HMS: Street Number List
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
 RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>WILLIE & HAWKS AUTO</i>	<i>7768 CENTRAL AVE</i>	<i>E 1/8 - 1/4 (0.137 mi.)</i>	<i>B8</i>	<i>12</i>
<i>MORENO AUTO PARTS</i>	<i>7523 S CENTRAL AVE</i>	<i>NE 1/8 - 1/4 (0.236 mi.)</i>	<i>9</i>	<i>14</i>

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2017 has revealed that there are 19 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE BUMPER SHOP, INC Facility Id: 71002141 Status: Refer: Other Agency	803 E. FLORENCE STRE	N 1/4 - 1/2 (0.444 mi.)	17	26
<i>FREMONT HIGH SCHOOL</i> Facility Id: 60001888 Status: Active	<i>7676 SOUTH SAN PEDRO</i>	<i>WNW 1/2 - 1 (0.507 mi.)</i>	<i>24</i>	<i>51</i>
NATIONAL SANDBLASTIN	7101 S MCKINLEY AVEN	NNW 1/2 - 1 (0.513 mi.)	25	63

EXECUTIVE SUMMARY

Facility Id: 19350405 Status: No Further Action				
GRAYBILL METAL POLIS Facility Id: 19340525 Facility Id: 71003824 Status: Refer: Other Agency Status: Inactive - Action Required	1245 E FLORENCE AVE	NE 1/2 - 1 (0.569 mi.)	26	64
GENERAL ELECTRIC - E Facility Id: 19340735 Status: Inactive - Action Required	6900 STANFORD AVENUE	NNW 1/2 - 1 (0.615 mi.)	F27	74
STUART IRONSIDES Facility Id: 19000035 Status: Refer: 1248 Local Agency	6815 MCKINLEY AVE	N 1/2 - 1 (0.660 mi.)	29	89
MIRAMONTE PRIMARY CE Facility Id: 19880052 Status: Inactive - Withdrawn	HOOVER AVENUE/EAST 6	NNE 1/2 - 1 (0.739 mi.)	G30	90
GOODYEAR TIRE & RUBB Facility Id: 19300026 Status: No Further Action	6701 SOUTH CENTRAL A	NNE 1/2 - 1 (0.756 mi.)	31	93
HOOVER/MIRAMONTE PRI Facility Id: 19880078 Status: Inactive - Withdrawn	68TH STREET/HOOVER A	NNE 1/2 - 1 (0.766 mi.)	G32	94
DAVID P GOODNAM Facility Id: 60002333 Status: No Action Required	6600 STANFORD AVE	N 1/2 - 1 (0.829 mi.)	33	97
WAYMIRE DRUM COMPANY Facility Id: 60002332 Status: Inactive - Action Required	7702 MAIE AVENUE	E 1/2 - 1 (0.830 mi.)	H35	113
L & B INDUSTRIES INC Facility Id: 60002327 Status: Inactive - Action Required	7412 MAIE AVENUE	ENE 1/2 - 1 (0.885 mi.)	36	115
ALPHA CENTURION Facility Id: 60001119 Status: Refer: EPA	802 EAST GAGE AVENUE	N 1/2 - 1 (0.918 mi.)	37	118
HOOVER/MIRAMONTE PRI Facility Id: 19880076 Status: Inactive - Withdrawn	61ST STREET/NAOMI AV	NNE 1/2 - 1 (0.943 mi.)	38	119
SOUTH REGION HS #2, Facility Id: 60000076 Status: Certified O&M - Land Use Restrictions Only	CENTRAL AVENUE/GAGE	N 1/2 - 1 (0.947 mi.)	I39	121
TROJAN METAL PRODUCT Facility Id: 60002328 Status: Active	735 E GAGE AVE	N 1/2 - 1 (0.954 mi.)	40	143
MODINE WESTERN INC. Facility Id: 60002092 Status: Inactive - Needs Evaluation	6309 SOUTH CENTRAL A	N 1/2 - 1 (0.989 mi.)	I42	151
Lower Elevation	Address	Direction / Distance	Map ID	Page
W & C METAL POLISHIN	735 E MANCHESTER AVE	SSW 1/4 - 1/2 (0.496 mi.)	23	46

EXECUTIVE SUMMARY

Facility Id: 71003756
Status: Inactive - Needs Evaluation

PRPSD CHARTER SCHOOL **8145 AND 8205 BEACH** **ESE 1/2 - 1 (0.972 mi.)** **41** **148**

Facility Id: 60001832
Status: No Further Action

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FOMER GASOLINE STATI Database: LUST, Date of Government Version: 03/13/2017 Status: Open - Site Assessment Global Id: T0603726504	7402 S AVALON BLVD	NW 1/4 - 1/2 (0.385 mi.)	13	18
SHELL Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: R-09517 Status: Leak being confirmed Global Id: T0603704825 Global ID: T0603704825	1020 FLORENCE AVE E	NNE 1/4 - 1/2 (0.455 mi.)	E19	27
SPEEDY LUBE FORMER M Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Open - Site Assessment Facility Id: 900030161 Status: Leak being confirmed Global Id: T0603700424 Global ID: T0603700424	7200 AVALON BLVD	NW 1/4 - 1/2 (0.478 mi.)	20	29
WORLD OIL CO Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: R-10637 Status: Case Closed Global Id: T0603786022 Global Id: T0603704947 Global ID: T0603704947	1101 E FLORENCE	NNE 1/4 - 1/2 (0.482 mi.)	E21	34

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MORRIS GARAGE Database: LUST, Date of Government Version: 03/13/2017	8301 S AVALON BLVD	SW 1/4 - 1/2 (0.381 mi.)	12	16

EXECUTIVE SUMMARY

Status: Open - Eligible for Closure
Global Id: T0603755661

MIRACLE MISSION BAPT 8416 S CENTRAL AVE SSE 1/4 - 1/2 (0.394 mi.) 14 21
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Global Id: T10000004798

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/02/2017 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GOODYEAR TRACT	900 FLORENCE AVE E F	N 1/4 - 1/2 (0.428 mi.)	16	23

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 03/13/2017 has revealed that there are 5 SWRCY sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PALMA RECYCLING CENT Cert Id: RC226177.001	7907 S CENTRAL AVE	ESE 1/8 - 1/4 (0.127 mi.)	C6	11
PALMA #2 RECYCLING C Cert Id: RC226177.002	7907 S CENTRAL AVE	ESE 1/8 - 1/4 (0.127 mi.)	C7	11
CALDERON RECYCLING Cert Id: RC193826.001	738 E FLORENCE	NNW 1/4 - 1/2 (0.424 mi.)	D15	23
ONE-STOP RECYCLING Cert Id: RC61077.001	7100 S STANFORD AVE	NNW 1/4 - 1/2 (0.494 mi.)	22	46
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EVELING RECYCLING Cert Id: RC231024.001	8228 S CENTRAL AVE	SE 1/4 - 1/2 (0.283 mi.)	11	16

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHIN'S WELDING & IRO Comp Number: 7118	7914 AVALON BLVD	WSW 1/8 - 1/4 (0.247 mi.)	10	15

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHIN'S WELDING & IRO Facility Id: 19054582 Status: I	7914 AVALON BLVD	WSW 1/8 - 1/4 (0.247 mi.)	10	15

Other Ascertainable Records

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there are 2 CA BOND EXP. PLAN sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GENERAL ELECTRIC, (F ESKIMO RADIATOR	6900 STANFORD AVENUE 6309 SOUTH CENTRAL A	NNW 1/2 - 1 (0.615 mi.) N 1/2 - 1 (0.989 mi.)	F28 I43	89 152

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GTE - GOLETA CENTRAL Reg Id: 3156	735 FLORENCE	NNW 1/4 - 1/2 (0.454 mi.)	D18	27
WORLD OIL CO	1101 E FLORENCE	NNE 1/4 - 1/2 (0.482 mi.)	E21	34

EXECUTIVE SUMMARY

Reg Id: R-10637

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/21/2016 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MITCHELL INVESTORS EPA Id: CAT000618991 Cleanup Status: PROTECTIVE FILER	7702 MAIE AVE	E 1/2 - 1 (0.830 mi.)	H34	98

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BARRAGAN AUTO SHOP	7704 MCKINLEY AVE	NW 0 - 1/8 (0.047 mi.)	3	10

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

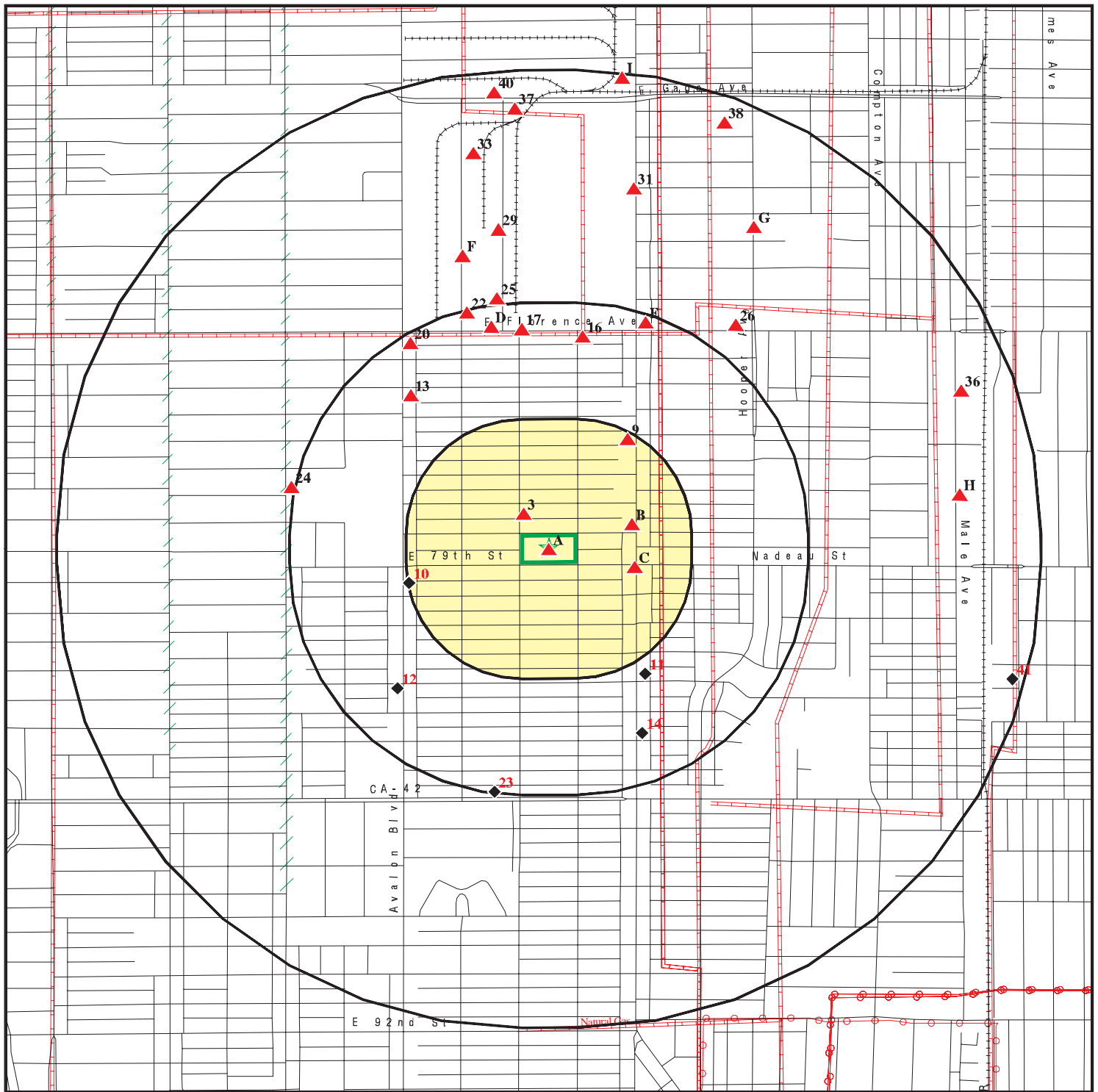
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SWING TIME CLEANERS	7803 S CENTRAL AVE	E 0 - 1/8 (0.122 mi.)	B4	10
LUJAN PAUL	7719 S CENTRAL AVE	ENE 0 - 1/8 (0.124 mi.)	B5	11







EXECUTIVE SUMMARY






Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.


<u>Site Name</u>	<u>Database(s)</u>
SOUTH CENTRAL DISCOVERY PROJECT	RESPONSE, ENVIROSTOR CDL
SOUTH REGION HIGH SCHOOL #12, SITE	ENVIROSTOR, SCH, DEED
SOUTH REGION ES #1 SITE 5 5640014	ENVIROSTOR, SCH
SOUTH REGION ES #2, SITE 6A 564001	ENVIROSTOR, SCH

OVERVIEW MAP - 04959892.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  Pipelines
-  100-year flood zone
-  500-year flood zone

-  Areas of Concern

0 1/4 1/2 1 Miles

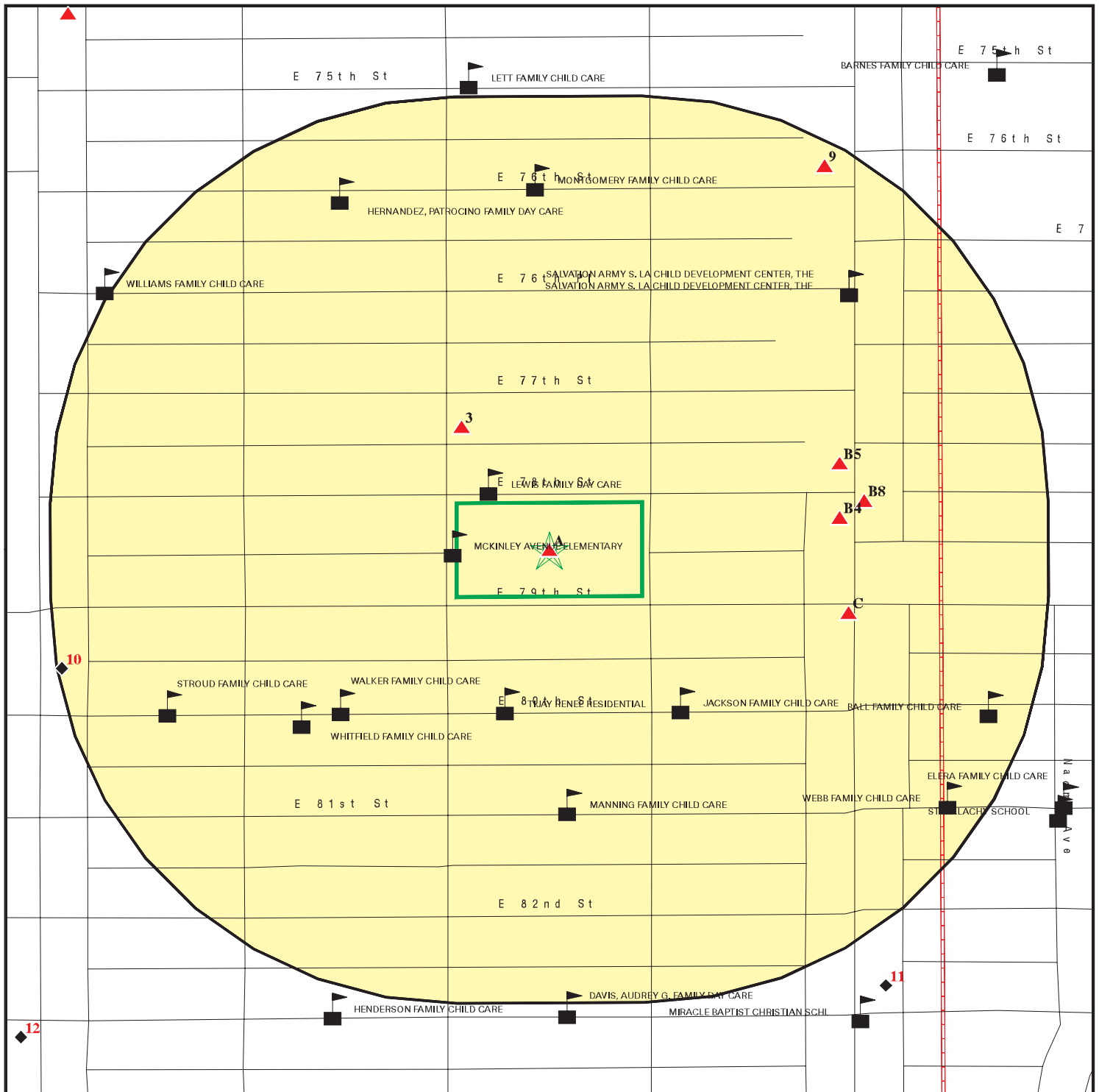


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: McKinley Avenue Elementary School
 ADDRESS: 7812 McKinley Ave
 Los Angeles CA 90001
 LAT/LONG: 33.96796 / 118.259675

CLIENT: Rincon
 CONTACT: Meghan Hearne
 INQUIRY #: 04959892.2r
 DATE: June 07, 2017 8:27 pm

DETAIL MAP - 04959892.2R



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: McKinley Avenue Elementary School
 ADDRESS: 7812 McKinley Ave
 Los Angeles CA 90001
 LAT/LONG: 33.96796 / 118.259675

CLIENT: Rincon
 CONTACT: Meghan Hearne
 INQUIRY #: 04959892.2r
 DATE: June 07, 2017 8:29 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	2	NR	NR	NR	2
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	2	17	NR	19
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	6	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	2	3	NR	NR	5
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	2	NR	2
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001	1	0	NR	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	1	0	NR	NR	NR	NR	1
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	2	NR	NR	2
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		2	3	6	14	20	0	45
-------------	--	---	---	---	----	----	---	----

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 LA UNI SCH DIST, MCKINLEY AVE
Target 7812 MCKINLEY AV
Property LOS ANGELES, CA 90001

EMI S103672123
N/A

Site 1 of 2 in cluster A

Actual:
140 ft.

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 72774
Air District Name: SC
SIC Code: 8211
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

A2 LAUSD/MCKINLEY AVE ES
Target 7812 MCKINLEY AVE
Property LOS ANGELES, CA 90001

HAZNET S113013555
N/A

Site 2 of 2 in cluster A

Actual:
140 ft.

HAZNET:
envid: S113013555
Year: 2009
GEPAID: CAD982046203
Contact: DOUG SANTOS
Telephone: 2132413199
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20 FL
Mailing City,St,Zip: LOS ANGELES, CA 90017
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 102
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113013555
Year: 2009
GEPAID: CAD982046203
Contact: DOUG SANTOS
Telephone: 2132413199
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20 FL
Mailing City,St,Zip: LOS ANGELES, CA 90017
Gen County: Not reported
TSD EPA ID: CAD028409019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAUSD/MCKINLEY AVE ES (Continued)

S113013555

TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.04
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113013555
Year: 2004
GEPAID: CAD982046203
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20 FL
Mailing City,St,Zip: LOS ANGELES, CA 90017
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 0.04
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113013555
Year: 2003
GEPAID: CAD982046203
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20 FL
Mailing City,St,Zip: LOS ANGELES, CA 90017
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 16.85
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113013555
Year: 1994
GEPAID: CAD982046203
Contact: LOS ANGELES USD
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 1449 S SAN PEDRO ST
Mailing City,St,Zip: LOS ANGELES, CA 900153119
Gen County: Not reported
TSD EPA ID: CAD067786749
TSD County: Not reported
Waste Category: Asbestos containing waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAUSD/MCKINLEY AVE ES (Continued)

S113013555

Disposal Method: Disposal, Land Fill
Tons: 10.9564
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

[Click this hyperlink](#) while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

3
NW
< 1/8
0.047 mi.
249 ft.

BARRAGAN AUTO SHOP
7704 MCKINLEY AVE
LOS ANGELES, CA 90001

EDR Hist Auto 1020850675
N/A

Relative:
Higher

EDR Hist Auto

Actual:
141 ft.

Year:	Name:	Type:
2001	BARRAGAN AUTO SHOP	General Automotive Repair Shops
2002	BARRAGAN AUTO SHOP	General Automotive Repair Shops
2003	BARRAGAN AUTO SHOP	General Automotive Repair Shops
2004	BARRAGAN AUTO SHOP	General Automotive Repair Shops
2005	BARRAGAN AUTO SHOP	General Automotive Repair Shops
2006	BARRAGAN AUTO SHOP	General Automotive Repair Shops
2007	BARRAGAN AUTO SHOP	General Automotive Repair Shops
2008	BARRAGAN AUTO SHOP	General Automotive Repair Shops

B4
East
< 1/8
0.122 mi.
642 ft.

SWING TIME CLEANERS
7803 S CENTRAL AVE
LOS ANGELES, CA 90001

EDR Hist Cleaner 1018619186
N/A

Site 1 of 3 in cluster B

Relative:
Higher

EDR Hist Cleaner

Actual:
141 ft.

Year:	Name:	Type:
1972	WEINBERG PHILIP & SYLVIA	Drycleaning Plants, Except Rugs
1973	WEINBERG PHILLIP & SILVIA	Drycleaning Plants, Except Rugs
1974	WEINBERG PHILLIP & SILVIA	Drycleaning Plants, Except Rugs
1975	WEINBERG PHILLIP & SYLVIA	Drycleaning Plants, Except Rugs
1976	WEINBERG PHILLIP SYLVIA NORMAN	Drycleaning Plants, Except Rugs
1994	SWING TIME CLEANERS	Garment Pressing And Cleaners' Agents
1995	SWING TIME CLEANERS	Garment Pressing And Cleaners' Agents
1996	SWING TIME CLEANERS	Garment Pressing And Cleaners' Agents
1997	SWING TIME CLEANERS	Garment Pressing And Cleaners' Agents
1998	SWING TIME CLEANERS	Garment Pressing And Cleaners' Agents

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
B5 ENE < 1/8 0.124 mi. 655 ft.	LUJAN PAUL 7719 S CENTRAL AVE LOS ANGELES, CA Site 2 of 3 in cluster B	EDR Hist Cleaner	1009189896 N/A
Relative: Higher	EDR Hist Cleaner		
Actual: 142 ft.	Year: 1937 Name: LUJAN PAUL	Type: CLOTHES PRESSERS AND CLEANERS	

C6 ESE 1/8-1/4 0.127 mi. 673 ft.	PALMA RECYCLING CENTER 7907 S CENTRAL AVE LOS ANGELES, CA 90001 Site 1 of 2 in cluster C	SWRCY	S118156811 N/A
Relative: Higher	SWRCY:		
Actual: 140 ft.	Reg Id: 226177 Cert Id: RC226177.001 Mailing Address: 1025 E Mission Blvd Mailing City: Pomona Mailing State: CA Mailing Zip Code: 91766 Website: Not reported Email: palmarecyclingc@hotmail.com Phone Number: (310) 469-8491 Grand Father: N Rural: N Operation Begin Date: 08/22/2015 Aluminium: Y Glass: Y Plastic: Y Bimetal: Y Agency: N/A Monday Hours Of Operation: 8:00 am - 5:00 pm Tuesday Hours Of Operation: 8:00 am - 5:00 pm Wednesday Hours Of Operation: 8:00 am - 5:00 pm Thursday Hours Of Operation: 8:00 am - 5:00 pm Friday Hours Of Operation: 8:00 am - 5:00 pm Saturday Hours Of Operation: 8:00 am - 5:00 pm Sunday Hours Of Operation: CLOSED Organization ID: 226177 Organization Name: Palma #2 Recycling Center		

C7 ESE 1/8-1/4 0.127 mi. 673 ft.	PALMA #2 RECYCLING CENTER 7907 S CENTRAL AVE LOS ANGELES, CA 90001 Site 2 of 2 in cluster C	SWRCY	S119777686 N/A
Relative: Higher	SWRCY:		
Actual: 140 ft.	Reg Id: 226177 Cert Id: RC226177.002 Mailing Address: 1025 E Mission Blvd Mailing City: Pomona Mailing State: CA Mailing Zip Code: 91766		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALMA #2 RECYCLING CENTER (Continued)

S119777686

Website: Not reported
Email: palmarecyclingc@hotmail.com
Phone Number: (310) 469-8491
Grand Father: N
Rural: N
Operation Begin Date: 02/01/2017
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: 8:00 am - 5:00 pm
Tuesday Hours Of Operation: 8:00 am - 5:00 pm
Wednesday Hours Of Operation: 8:00 am - 5:00 pm
Thursday Hours Of Operation: 8:00 am - 5:00 pm
Friday Hours Of Operation: 8:00 am - 5:00 pm
Saturday Hours Of Operation: 8:00 am - 5:00 pm
Sunday Hours Of Operation: CLOSED
Organization ID: 226177
Organization Name: Palma #2 Recycling Center

B8
East
1/8-1/4
0.137 mi.
722 ft.

WILLIE & HAWKS AUTO
7768 CENTRAL AVE
LOS ANGELES, CA 90001

RCRA-SQG **1000284656**
FINDS **CAD981985385**
ECHO

Site 3 of 3 in cluster B

Relative:
Higher

RCRA-SQG:

Actual:
142 ft.

Date form received by agency: 03/27/1987
Facility name: WILLIE & HAWKS AUTO
Facility address: 7768 CENTRAL AVE
LOS ANGELES, CA 90001
EPA ID: CAD981985385
Mailing address: CENTRAL AVE
LOS ANGELES, CA 90001
Contact: ENVIRONMENTAL MANAGER
Contact address: 7768 CENTRAL AVE
LOS ANGELES, CA 90001
Contact country: US
Contact telephone: (213) 587-9648
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WILFRED SEMMOTT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIE & HAWKS AUTO (Continued)

1000284656

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002765268

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000284656
Registry ID: 110002765268
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002765268>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

9
NE
1/8-1/4
0.236 mi.
1244 ft.

MORENO AUTO PARTS
7523 S CENTRAL AVE
LOS ANGELES, CA 90001

RCRA-SQG
FINDS
ECHO
1004675854
CAR000077834

Relative:
Higher

RCRA-SQG:

Date form received by agency: 07/13/2000
Facility name: MORENO AUTO PARTS
Facility address: 7523 S CENTRAL AVE
LOS ANGELES, CA 90001
EPA ID: CAR000077834
Contact: JORGE MORENO
Contact address: 7523 S CENTRAL AVE
LOS ANGELES, CA 90001
Contact country: US
Contact telephone: (213) 588-0033
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MORENO AUTO PARTS
Owner/operator address: 7523 S CENTRAL AVE
LOS ANGELES, CA 90001
Owner/operator country: Not reported
Owner/operator telephone: (213) 588-0033
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Waste code: D002
Waste name: CORROSIVE WASTE

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORENO AUTO PARTS (Continued)

1004675854

FINDS:

Registry ID: 110002940293

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004675854
Registry ID: 110002940293
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002940293>

10
WSW
1/8-1/4
0.247 mi.
1304 ft.

SHIN'S WELDING & IRON WORK'S
7914 AVALON BLVD
LOS ANGELES, CA 90001

SWEEPS UST **S101586896**
CA FID UST **N/A**

Relative:
Lower

SWEEPS UST:

Status: Not reported
Comp Number: 7118
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

Actual:
139 ft.

CA FID UST:

Facility ID: 19054582
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 7914 AVALON BLVD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHIN'S WELDING & IRON WORK'S (Continued)

S101586896

Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900010000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

11
SE
1/4-1/2
0.283 mi.
1493 ft.

EVELING RECYCLING
8228 S CENTRAL AVE
LOS ANGELES, CA 90002

SWRCY S111711571
N/A

Relative:
Lower

SWRCY:
Reg Id: 231024
Cert Id: RC231024.001
Mailing Address: 1225 E 87th Place
Mailing City: Los Angeles
Mailing State: CA
Mailing Zip Code: 90002
Website: Not reported
Email: evelingbaca9@gmail.com
Phone Number: (323) 494-1502
Grand Father: N
Rural: N
Operation Begin Date: 05/17/2016
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: 8:00 am - 5:00 pm
Tuesday Hours Of Operation: 8:00 am - 5:00 pm
Wednesday Hours Of Operation: 8:00 am - 5:00 pm
Thursday Hours Of Operation: 8:00 am - 5:00 pm
Friday Hours Of Operation: 8:00 am - 5:00 pm
Saturday Hours Of Operation: 8:00 am - 5:00 pm
Sunday Hours Of Operation: 8:00 am - 3:00 pm
Organization ID: 231024
Organization Name: Eveling Recycling

Actual:
137 ft.

12
SW
1/4-1/2
0.381 mi.
2012 ft.

MORRIS GARAGE
8301 S AVALON BLVD
LOS ANGELES, CA 90003

LUST S109117678
N/A

Relative:
Lower

LUST:
Region: STATE
Global Id: T0603755661
Latitude: 33.9636295910004
Longitude: -118.265438579376
Case Type: LUST Cleanup Site

Actual:
136 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRIS GARAGE (Continued)

S109117678

Status: Open - Eligible for Closure
Status Date: 11/19/2014
Lead Agency: SWRCB
Case Worker: MC
Local Agency: LOS ANGELES, CITY OF
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: There is a State Water Board closure Order for this case issued 11/19/2014. The State Water Board needs confirmation that the corrective action wells and wastes have been removed from the site in order to close the case. Once confirmation has been received State Water Board can issue a Uniform Closure Letter and close the case. Attempts to reach the RP have failed. gwl 4/14/2016.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603755661
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603755661
Contact Type: Regional Board Caseworker
Contact Name: MATTHEW COHEN
Organization Name: SWRCB
Address: 1001 I Street
City: SACRAMENTO
Email: mcohen@waterboards.ca.gov
Phone Number: 9163415751

Global Id: T0603755661
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603755661
Status: Open - Case Begin Date
Status Date: 06/07/2000

Global Id: T0603755661
Status: Open - Eligible for Closure
Status Date: 01/03/2014

Global Id: T0603755661

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORRIS GARAGE (Continued)

S109117678

Status: Open - Eligible for Closure
Status Date: 11/19/2014

Global Id: T0603755661
Status: Open - Site Assessment
Status Date: 08/24/2000

Regulatory Activities:

Global Id: T0603755661
Action Type: Other
Date: 06/27/2000
Action: Leak Reported

Global Id: T0603755661
Action Type: RESPONSE
Date: 06/27/2000
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603755661
Action Type: ENFORCEMENT
Date: 11/19/2014
Action: State Water Board Closure Order

Global Id: T0603755661
Action Type: ENFORCEMENT
Date: 06/24/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0603755661
Action Type: Other
Date: 06/07/2000
Action: Leak Discovery

13
NW
1/4-1/2
0.385 mi.
2032 ft.

FOMER GASOLINE STATION
7402 S AVALON BLVD
LOS ANGELES, CA 90003

LUST S109117615
N/A

Relative:
Higher

Actual:
144 ft.

LUST:

Region: STATE
Global Id: T0603726504
Latitude: 33.9727118143093
Longitude: -118.264842305661
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 06/21/2000
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JC
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900030307
LOC Case Number: TTXS0001758
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOMER GASOLINE STATION (Continued)

S109117615

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603726504
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603726504
Contact Type: Regional Board Caseworker
Contact Name: JOSHUA CWIKLA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: LOS ANGELES
Email: joshua.cwikla@waterboards.ca.gov
Phone Number: 2135766713

Status History:

Global Id: T0603726504
Status: Open - Case Begin Date
Status Date: 01/10/2000

Global Id: T0603726504
Status: Open - Site Assessment
Status Date: 06/21/2000

Regulatory Activities:

Global Id: T0603726504
Action Type: ENFORCEMENT
Date: 06/21/2000
Action: Notice of Violation - #162202

Global Id: T0603726504
Action Type: ENFORCEMENT
Date: 10/11/2016
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603726504
Action Type: ENFORCEMENT
Date: 01/19/2016
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603726504
Action Type: ENFORCEMENT
Date: 04/28/2015
Action: Staff Letter

Global Id: T0603726504
Action Type: RESPONSE
Date: 02/13/2017
Action: Site Assessment Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOMER GASOLINE STATION (Continued)

S109117615

Global Id:	T0603726504
Action Type:	RESPONSE
Date:	01/11/2017
Action:	Soil and Water Investigation Report
Global Id:	T0603726504
Action Type:	ENFORCEMENT
Date:	03/18/2015
Action:	Referral to Regional Board
Global Id:	T0603726504
Action Type:	ENFORCEMENT
Date:	06/24/2016
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603726504
Action Type:	ENFORCEMENT
Date:	11/02/2015
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603726504
Action Type:	Other
Date:	01/18/2000
Action:	Leak Reported
Global Id:	T0603726504
Action Type:	RESPONSE
Date:	01/18/2000
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0603726504
Action Type:	RESPONSE
Date:	01/18/2000
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0603726504
Action Type:	RESPONSE
Date:	01/18/2000
Action:	Request for Closure
Global Id:	T0603726504
Action Type:	RESPONSE
Date:	08/01/2015
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603726504
Action Type:	RESPONSE
Date:	12/31/2015
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603726504
Action Type:	RESPONSE
Date:	06/08/2016
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0603726504
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOMER GASOLINE STATION (Continued)

S109117615

Date: 08/24/2016
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603726504
Action Type: ENFORCEMENT
Date: 05/29/2015
Action: Staff Letter

Global Id: T0603726504
Action Type: Other
Date: 01/10/2000
Action: Leak Discovery

14
SSE
1/4-1/2
0.394 mi.
2080 ft.

MIRACLE MISSION BAPTIST CHURCH
8416 S CENTRAL AVE
LOS ANGELES, CA 90001

LUST S113482345
N/A

Relative:
Lower

LUST:

Actual:
134 ft.

Region: STATE
Global Id: T10000004798
Latitude: 33.962218
Longitude: -118.25607
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/13/2015
Lead Agency: SWRCB
Case Worker: MC
Local Agency: LOS ANGELES COUNTY
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Lead, Benzene, Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel
Oxygenates, Naphthalene, Toluene, Total Petroleum Hydrocarbons (TPH),
Xylene
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T10000004798
Contact Type: Local Agency Caseworker
Contact Name: KATTYA BATRES RINZE
Organization Name: LOS ANGELES COUNTY
Address: 900 SOUTH FREMONT AVE
City: ALHAMBRA
Email: gbatres@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T10000004798
Contact Type: Regional Board Caseworker
Contact Name: MATTHEW COHEN
Organization Name: SWRCB
Address: 1001 I Street
City: SACRAMENTO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIRACLE MISSION BAPTIST CHURCH (Continued)

S113482345

Email: mcohen@waterboards.ca.gov
Phone Number: 9163415751

Status History:

Global Id: T10000004798
Status: Completed - Case Closed
Status Date: 01/13/2015

Global Id: T10000004798
Status: Open - Case Begin Date
Status Date: 12/06/2012

Global Id: T10000004798
Status: Open - Eligible for Closure
Status Date: 12/19/2013

Global Id: T10000004798
Status: Open - Eligible for Closure
Status Date: 08/05/2014

Global Id: T10000004798
Status: Open - Site Assessment
Status Date: 06/04/2013

Regulatory Activities:

Global Id: T10000004798
Action Type: Other
Date: 12/06/2012
Action: Leak Discovery

Global Id: T10000004798
Action Type: ENFORCEMENT
Date: 06/26/2013
Action: Referral to Regional Board

Global Id: T10000004798
Action Type: ENFORCEMENT
Date: 08/05/2014
Action: State Water Board Closure Order

Global Id: T10000004798
Action Type: ENFORCEMENT
Date: 01/13/2015
Action: Closure/No Further Action Letter

Global Id: T10000004798
Action Type: Other
Date: 12/06/2012
Action: Leak Stopped

Global Id: T10000004798
Action Type: Other
Date: 12/28/2012
Action: Leak Reported

Global Id: T10000004798

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIRACLE MISSION BAPTIST CHURCH (Continued)

S113482345

Action Type: ENFORCEMENT
Date: 05/05/2014
Action: Notification - Public Notice of Case Closure

D15
NNW
1/4-1/2
0.424 mi.
2239 ft.
CALDERON RECYCLING
738 E FLORENCE
LOS ANGELES, CA 90001
Site 1 of 2 in cluster D

SWRCY **S113894377**
N/A

Relative: SWRCY:
Higher Reg Id: 193826
Cert Id: RC193826.001
Actual: Mailing Address: 877 E 41st St
148 ft. Mailing City: Los Angeles
Mailing State: CA
Mailing Zip Code: 90011
Website: Not reported
Email: bohemer19@hotmail.com
Phone Number: (323) 592-2933
Grand Father: N
Rural: N
Operation Begin Date: 09/30/2013
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: 8:00 am - 5:00 pm
Tuesday Hours Of Operation: 8:00 am - 5:00 pm
Wednesday Hours Of Operation: 8:00 am - 5:00 pm
Thursday Hours Of Operation: 8:00 am - 5:00 pm
Friday Hours Of Operation: 8:00 am - 5:00 pm
Saturday Hours Of Operation: 8:00 am - 3:00 pm
Sunday Hours Of Operation: CLOSED
Organization ID: 179851
Organization Name: Calderon Recycling

16
North
1/4-1/2
0.428 mi.
2258 ft.
GOODYEAR TRACT
900 FLORENCE AVE E FLORENCE-GRAHAM
LOS ANGELES, CA 90001

US BROWNFIELDS **1014949009**
N/A

Relative: US BROWNFIELDS:
Higher Recipient name: R9 Brownfields TBA (previously Superfund TBA)
Grant type: TBA
Actual: Property name: GOODYEAR TRACT
151 ft. Property #: Not reported
Parcel size: 208
Property Description: Not reported
Latitude: 33.974493
Longitude: -118.25840700000003
HCM label: Address Matching-House Number
Map scale: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR TRACT (Continued)

1014949009

Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	11263
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	15636
Assessment funding source:	US EPA - TBA Funding
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	Hazardous
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	n/a
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	Not reported
Cleanup required:	Unknown
Video available:	Not reported
Photo available:	Not reported
Institutional controls required:	U
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR TRACT (Continued)

1014949009

PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Highlights:	Not reported
IC Data Address:	Not reported
Redev Completion Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR TRACT (Continued)

1014949009

Below Poverty: 4208
% Below Poverty: 3.1%
Low Income: 8561
% Low Income: 1.5%
Median Income: 6715
Unemployed: 665
% Unemployed: 19.6%
Vacant Housing: 325
% Vacant Housing: 40.2%

17
North
1/4-1/2
0.444 mi.
2342 ft.

THE BUMPER SHOP, INC.
803 E. FLORENCE STREET
LOS ANGELES, CA 90001

ENVIROSTOR S110494377
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
150 ft.

Facility ID: 71002141
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.17094
Longitude: -118.3378
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD003082790
Alias Type: EPA Identification Number
Alias Name: 71002141
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE BUMPER SHOP, INC. (Continued)

S110494377

Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

D18
NNW
1/4-1/2
0.454 mi.
2395 ft.
GTE - GOLETA CENTRAL OFFI
735 FLORENCE
LOS ANGELES, CA 90001
Site 2 of 2 in cluster D

HIST CORTESE **S105024616**
N/A

Relative: HIST CORTESE:
Higher Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
149 ft. Reg Id: 3156

E19
NNE
1/4-1/2
0.455 mi.
2405 ft.
SHELL
1020 FLORENCE AVE E
GARDENA, CA 90003
Site 1 of 2 in cluster E

LUST **S102436797**
N/A

Relative: LUST:
Higher Region: STATE
Global Id: T0603704825
Actual: Latitude: 33.9747268
150 ft. Longitude: -118.2564537
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/12/1989
Lead Agency: LOS ANGELES, CITY OF
Case Worker: EL
Local Agency: LOS ANGELES, CITY OF
RB Case Number: R-09517
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603704825
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603704825
Contact Type: Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL (Continued)

S102436797

Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603704825
Status: Completed - Case Closed
Status Date: 12/12/1989

Global Id: T0603704825
Status: Open - Case Begin Date
Status Date: 01/18/1989

Global Id: T0603704825
Status: Open - Site Assessment
Status Date: 08/10/1989

Regulatory Activities:

Global Id: T0603704825
Action Type: Other
Date: 01/18/1989
Action: Leak Discovery

Global Id: T0603704825
Action Type: ENFORCEMENT
Date: 12/12/1989
Action: File review

Global Id: T0603704825
Action Type: Other
Date: 06/14/1989
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-09517
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704825
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: CENTRAL
Enforcement Type: Not reported
Date Leak Discovered: 1/18/1989
Date Leak First Reported: 6/14/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL (Continued)

S102436797

Date Leak Record Entered: 8/10/1989
Date Confirmation Began: 8/10/1989
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/10/1989
Date the Case was Closed: Not reported
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 3571.3787072387047963707379027
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNKNOWN
RP Address: Not reported
Program: LUST
Lat/Long: 33.9747268 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

20
NW
1/4-1/2
0.478 mi.
2525 ft.

**SPEEDY LUBE FORMER MOBIL #11-GM4
7200 AVALON BLVD
LOS ANGELES, CA 90003**

**LUST S102433571
N/A**

**Relative:
Higher**

LUST:

**Actual:
146 ft.**

Region: STATE
Global Id: T0603700424
Latitude: 33.9746966
Longitude: -118.2650739
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 07/13/2015
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JC
Local Agency: LOS ANGELES, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY LUBE FORMER MOBIL #11-GM4 (Continued)

S102433571

RB Case Number: 900030161
LOC Case Number: TT
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700424
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700424
Contact Type: Regional Board Caseworker
Contact Name: JOSHUA CWIKLA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: LOS ANGELES
Email: joshua.cwikla@waterboards.ca.gov
Phone Number: 2135766713

Status History:

Global Id: T0603700424
Status: Open - Case Begin Date
Status Date: 07/18/1986

Global Id: T0603700424
Status: Open - Inactive
Status Date: 05/06/2008

Global Id: T0603700424
Status: Open - Site Assessment
Status Date: 07/22/1986

Global Id: T0603700424
Status: Open - Site Assessment
Status Date: 07/29/2014

Global Id: T0603700424
Status: Open - Site Assessment
Status Date: 07/13/2015

Regulatory Activities:

Global Id: T0603700424
Action Type: ENFORCEMENT
Date: 07/13/2015
Action: Staff Letter

Global Id: T0603700424
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY LUBE FORMER MOBIL #11-GM4 (Continued)

S102433571

Date:	05/15/2017
Action:	Soil and Water Investigation Report
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	10/13/2016
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	04/08/2015
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	12/14/2015
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	03/11/2016
Action:	Soil and Water Investigation Report
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	04/26/2016
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	02/15/2017
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	06/17/2015
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	03/18/2015
Action:	Referral to Regional Board
Global Id:	T0603700424
Action Type:	Other
Date:	07/22/1986
Action:	Leak Reported
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	11/20/2016
Action:	Soil and Water Investigation Report
Global Id:	T0603700424
Action Type:	Other
Date:	07/18/1986
Action:	Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY LUBE FORMER MOBIL #11-GM4 (Continued)

S102433571

Global Id:	T0603700424
Action Type:	RESPONSE
Date:	11/03/2016
Action:	Site Assessment Report
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	10/10/2016
Action:	Other Report / Document
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	11/30/2016
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	07/12/2016
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	ENFORCEMENT
Date:	09/18/2015
Action:	Staff Letter
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	01/31/2012
Action:	Correspondence
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	08/26/1993
Action:	Other Report / Document
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	07/15/2015
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	07/10/2015
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	03/10/2016
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0603700424
Action Type:	RESPONSE
Date:	12/08/2015
Action:	Other Report / Document - Regulator Responded
Global Id:	T0603700424
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY LUBE FORMER MOBIL #11-GM4 (Continued)

S102433571

Date: 09/15/2015
Action: Correspondence - Regulator Responded

Global Id: T0603700424
Action Type: RESPONSE
Date: 07/01/2016
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603700424
Action Type: RESPONSE
Date: 07/10/2015
Action: Correspondence

Global Id: T0603700424
Action Type: RESPONSE
Date: 01/30/2017
Action: Soil and Water Investigation Workplan - Regulator Responded

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900030161
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700424
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: FLORENCE AVE
Enforcement Type: Not reported
Date Leak Discovered: 7/18/1986
Date Leak First Reported: 7/22/1986
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: 7/22/1986
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/11/1987
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: KANG, M.K.
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 4586.6704984208695830399844401
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY LUBE FORMER MOBIL #11-GM4 (Continued)

S102433571

Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MOBIL OIL CORPORATION
RP Address: PO BOX 2122, LOS ANGELES, CA 90051
Program: LUST
Lat/Long: 33.9746966 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

E21
NNE
1/4-1/2
0.482 mi.
2544 ft.
WORLD OIL CO
1101 E FLORENCE
LOS ANGELES, CA 90001
Site 2 of 2 in cluster E

RCRA-SQG
LUST
HIST UST
FINDS
ECHO
HIST CORTESE
1000278342
CAD981160369

Relative:
Higher

Actual:
150 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: WORLD OIL CO
Facility address: 1101 E FLORENCE
LOS ANGELES, CA 90001
EPA ID: CAD981160369
Mailing address: 9302 S GARFIELD
SOUTH GATE, CA 90280
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: WORLD OIL MARKETING CO #2
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/29/1985
Site name: WORLD OIL CO
Classification: Large Quantity Generator

Violation Status: No violations found

LUST:

Region: STATE
Global Id: T0603786022
Latitude: 33.975
Longitude: -118.256
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/13/2013
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: CET
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-10637A
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603786022
Contact Type: Regional Board Caseworker
Contact Name: CHANDRA TYLER
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: cetyler@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603786022
Contact Type: Local Agency Caseworker
Contact Name: TIM SMITH
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: tsmith@dpw.lacounty.gov
Phone Number: Not reported

Status History:

Global Id: T0603786022
Status: Completed - Case Closed
Status Date: 08/13/2013

Global Id: T0603786022
Status: Open - Assessment & Interim Remedial Action
Status Date: 06/08/2009

Global Id: T0603786022
Status: Open - Case Begin Date
Status Date: 02/12/2008

Global Id: T0603786022
Status: Open - Eligible for Closure
Status Date: 03/26/2013

Global Id: T0603786022
Status: Open - Remediation
Status Date: 03/20/2008

Global Id: T0603786022
Status: Open - Remediation
Status Date: 04/08/2008

Global Id: T0603786022
Status: Open - Remediation
Status Date: 04/25/2012

Global Id: T0603786022
Status: Open - Site Assessment
Status Date: 02/12/2008

Global Id: T0603786022
Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Status Date: 03/20/2008

Global Id: T0603786022
Status: Open - Site Assessment
Status Date: 04/08/2008

Regulatory Activities:

Global Id: T0603786022
Action Type: ENFORCEMENT
Date: 08/13/2013
Action: Closure/No Further Action Letter

Global Id: T0603786022
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603786022
Action Type: RESPONSE
Date: 10/07/2009
Action: Other Report / Document

Global Id: T0603786022
Action Type: RESPONSE
Date: 01/15/2009
Action: Risk Assessment Report

Global Id: T0603786022
Action Type: RESPONSE
Date: 12/15/2008
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0603786022
Action Type: RESPONSE
Date: 04/15/2009
Action: Remedial Progress Report

Global Id: T0603786022
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603786022
Action Type: RESPONSE
Date: 06/19/2009
Action: Correspondence

Global Id: T0603786022
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603786022
Action Type: ENFORCEMENT
Date: 06/05/2008
Action: * No Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Global Id:	T0603786022
Action Type:	ENFORCEMENT
Date:	08/22/2008
Action:	Staff Letter
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	11/15/2010
Action:	Soil and Water Investigation Report
Global Id:	T0603786022
Action Type:	ENFORCEMENT
Date:	06/13/2008
Action:	Staff Letter
Global Id:	T0603786022
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603786022
Action Type:	ENFORCEMENT
Date:	06/12/2013
Action:	Notification - Preclosure
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	06/17/2009
Action:	Other Report / Document
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	08/04/2009
Action:	Interim Remedial Action Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	06/22/2009
Action:	Other Workplan
Global Id:	T0603786022
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Date:	04/15/2009
Action:	Pilot Study/ Treatability Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	02/23/2009
Action:	Pilot Study/ Treatability Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Remedial Progress Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	04/15/2011
Action:	Other Report / Document
Global Id:	T0603786022
Action Type:	ENFORCEMENT
Date:	12/18/2008
Action:	Staff Letter
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	03/20/2008
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	03/18/2010
Action:	Well Installation Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	03/22/2010
Action:	Soil and Water Investigation Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	08/04/2009
Action:	Soil and Water Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Global Id:	T0603786022
Action Type:	RESPONSE
Date:	08/19/2009
Action:	Well Installation Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Other Workplan
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Soil and Water Investigation Workplan
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Preliminary Site Assessment Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Other Report / Document
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	03/20/2008
Action:	Soil and Water Investigation Workplan
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	04/14/2008
Action:	Soil and Water Investigation Workplan
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	04/14/2008
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	04/14/2008
Action:	Other Report / Document
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	10/15/2011
Action:	Other Report / Document
Global Id:	T0603786022
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Date: 08/24/2009
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603786022
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603786022
Action Type: RESPONSE
Date: 03/28/2012
Action: Soil and Water Investigation Workplan

Global Id: T0603786022
Action Type: RESPONSE
Date: 07/15/2012
Action: Remedial Progress Report

Global Id: T0603786022
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603786022
Action Type: RESPONSE
Date: 10/15/2008
Action: Interim Remedial Action Plan

Global Id: T0603786022
Action Type: ENFORCEMENT
Date: 03/12/2008
Action: Staff Letter

Global Id: T0603786022
Action Type: RESPONSE
Date: 02/26/2013
Action: Soil and Water Investigation Report

Global Id: T0603786022
Action Type: ENFORCEMENT
Date: 04/25/2012
Action: Staff Letter

Global Id: T0603786022
Action Type: Other
Date: 02/12/2008
Action: Leak Reported

Global Id: T0603786022
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603786022
Action Type: Other
Date: 02/12/2008
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Global Id:	T0603786022
Action Type:	ENFORCEMENT
Date:	06/08/2009
Action:	Staff Letter
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	11/21/2008
Action:	Soil and Water Investigation Report
Global Id:	T0603786022
Action Type:	RESPONSE
Date:	11/18/2008
Action:	Correspondence
Global Id:	T0603786022
Action Type:	REMEDIATION
Date:	12/08/2008
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603786022
Action Type:	REMEDIATION
Date:	01/27/2009
Action:	Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)
Region:	STATE
Global Id:	T0603704947
Latitude:	33.9749858286763
Longitude:	-118.256068377246
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/17/1998
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	Not reported
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-10637
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id:	T0603704947
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Status History:

Global Id: T0603704947
Status: Completed - Case Closed
Status Date: 06/17/1998

Global Id: T0603704947
Status: Open - Case Begin Date
Status Date: 03/06/1995

Global Id: T0603704947
Status: Open - Site Assessment
Status Date: 05/03/1995

Global Id: T0603704947
Status: Open - Site Assessment
Status Date: 03/11/1997

Regulatory Activities:

Global Id: T0603704947
Action Type: Other
Date: 03/06/1995
Action: Leak Discovery

Global Id: T0603704947
Action Type: Other
Date: 03/20/1995
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10637
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704947
W Global ID: Not reported
Staff: EHI
Local Agency: 19000
Cross Street: CENTRAL AVE
Enforcement Type: Not reported
Date Leak Discovered: 3/6/1995
Date Leak First Reported: 3/20/1995
Date Leak Record Entered: 3/7/1996
Date Confirmation Began: 5/3/1995
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/18/1998
Date the Case was Closed: 6/17/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: MR. GREGORY A. MICHAEL
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 3530.4497105890388030296023069
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 3/11/1997
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 64
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: WORLD OIL MARKETING COMPANY
RP Address: P.O. BOX 1966, SOUTH GATE CA 90280-1966
Program: LUST
Lat/Long: 33.9748368 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: FILE MISSING 05/13/98 -
LETTER IN RESPONSE TO NO ACTION RECOMMENDED 06/04/98 - CORRECTION
TO TANK REMOVAL & SUBSURFACE INV.RPT. 08/18/98 - WELL ABANDONMENT
REPORT

HIST UST:

File Number: 000288E6
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000288E6.pdf>
Region: STATE
Facility ID: 00000003944
Facility Type: Gas Station
Other Type: Not reported
Contact Name: RON COLEMAN
Telephone: 2135608801
Owner Name: WORLD OIL MARKETING COMPANY
Owner Address: 9302 S. GARFIELD AVENUE
Owner City,St,Zip: SOUTH GATE, CA 90280
Total Tanks: 0004

Tank Num: 001
Container Num: 0201
Year Installed: Not reported
Tank Capacity: 00012000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 0202
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 0203
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 0204
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002678031

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WORLD OIL CO (Continued)

1000278342

ECHO:

Envid: 1000278342
Registry ID: 110002678031
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002678031>

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-10637

**22
NNW
1/4-1/2
0.494 mi.
2608 ft.**

**ONE-STOP RECYCLING
7100 S STANFORD AVE
LOS ANGELES, CA 90001**

**SWRCY S117968751
N/A**

**Relative:
Higher**

SWRCY:

Reg Id: 61077
Cert Id: RC61077.001
Mailing Address: 7100 Stanford Ave
Mailing City: Los Angeles
Mailing State: CA
Mailing Zip Code: 90001
Website: Not reported
Email: Not reported
Phone Number: (323) 559-2639
Grand Father: N
Rural: N
Operation Begin Date: 05/06/2015
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: 6:30 am - 6:00 pm
Tuesday Hours Of Operation: 6:30 am - 6:00 pm
Wednesday Hours Of Operation: 6:30 am - 6:00 pm
Thursday Hours Of Operation: 6:30 am - 6:00 pm
Friday Hours Of Operation: 6:30 am - 6:00 pm
Saturday Hours Of Operation: 7:00 am - 3:00 pm
Sunday Hours Of Operation: CLOSED
Organization ID: 61077
Organization Name: Interstate Non-Ferrous Corp

**Actual:
149 ft.**

**23
SSW
1/4-1/2
0.496 mi.
2621 ft.**

**W & C METAL POLISHING & PLATING
735 E MANCHESTER AVE
LOS ANGELES, CA 90001**

**RCRA-SQG 1000105911
ENVIROSTOR CAD980881403
FINDS
ECHO
HAZNET**

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: W & C METAL POLISHING & PLATING
Facility address: 735 E MANCHESTER AVE

**Actual:
132 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

W & C METAL POLISHING & PLATING (Continued)

1000105911

LOS ANGELES, CA 90001
EPA ID: CAD980881403
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

W & C METAL POLISHING & PLATING (Continued)

1000105911

Historical Generators:

Date form received by agency: 02/09/1984
Site name: W & C METAL POLISHING & PLATING
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/02/1985
Date achieved compliance: 01/01/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/02/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 08/02/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1986
Evaluation lead agency: State

ENVIROSTOR:

Facility ID: 71003756
Status: Inactive - Needs Evaluation
Status Date: 08/02/2012
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.96042
Longitude: -118.2617
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD980881403
Alias Type: EPA Identification Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

W & C METAL POLISHING & PLATING (Continued)

1000105911

Alias Name: 110002673045
Alias Type: EPA (FRS #)
Alias Name: 71003756
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Compliance Verification
Completed Date: 01/13/2004
Comments: Inspection report sent on 1/13/2004

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Compliance Verification
Completed Date: 01/13/2004
Comments: Inspection report sent on 1/13/2004

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/13/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

FINDS:

Registry ID: 110002673045

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000105911
Registry ID: 110002673045
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002673045>

HAZNET:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

W & C METAL POLISHING & PLATING (Continued)

1000105911

envid: 1000105911
Year: 2002
GEPAID: CAD980881403
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 735 E MANCHESTER AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Recycler
Tons: 1.16
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000105911
Year: 2002
GEPAID: CAD980881403
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 735 E MANCHESTER AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Liquids with nickel >= 134 Mg./L
Disposal Method: Recycler
Tons: 2.41
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000105911
Year: 2002
GEPAID: CAD980881403
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 735 E MANCHESTER AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Not reported
TSD EPA ID: CAD088504881
TSD County: Not reported
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Transfer Station
Tons: 0.02
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000105911
Year: 2002
GEPAID: CAD980881403

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

W & C METAL POLISHING & PLATING (Continued)

1000105911

Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 735 E MANCHESTER AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Recycler
Tons: 0.64
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000105911
Year: 2002
GEPAID: CAD980881403
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 735 E MANCHESTER AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Treatment, Tank
Tons: 0.03
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

24
WNW
1/2-1
0.507 mi.
2675 ft.

FREMONT HIGH SCHOOL
7676 SOUTH SAN PEDRO STREET
LOS ANGELES, CA 90003

ENVIROSTOR **S113804689**
SCH **N/A**
NPDES

Relative:
Higher

ENVIROSTOR:
Facility ID: 60001888
Status: Active
Status Date: 05/15/2013
Site Code: 304646
Site Type: School Cleanup
Site Type Detailed: School
Acres: 6.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Amit Pathak
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 30

Actual:
140 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.96939
Longitude: -118.2669
APN: 6022026900
Past Use: INCINERATOR - OTHER, SCHOOL - HIGH SCHOOL
Potential COC: Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Lead Polynuclear aromatic hydrocarbons (PAHs Dieldrin
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 6022026900
Alias Type: APN
Alias Name: 304646
Alias Type: Project Code (Site Code)
Alias Name: 60001888
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/27/2013
Comments: DTSC reviewed the PEA Equivalent Report and, on June 27, 2013, determined that a response action is required for the Site. DTSC provided comments on the Report which identified areas that require further investigation and other discrepancies in the Report; DTSC requested a response to comments by July 31, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/16/2013
Comments: On July 16, 2013, DTSC provided partial site approval on 2.5 acres of the Site and signed the SFPD 4.15 Form documenting the commitment of LAUSD and DTSC to California Department of Education to complete the required response action prior to project occupancy. DTSC recommended LAUSD coordinate a meeting with DTSC and submit a Supplemental Site Investigation Workplan and project schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 09/25/2013
Comments: DTSC approved the Supplemental Site Investigation Workplan for Areas 1, 2, and 4, as revised.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/25/2013
Comments: On July 25, 2013, DTSC geologist conducted oversight during soil sampling activities in the western area of Area 1. Based on a Site Visit Report prepared by the DTSC geologist, it appeared that soil samples were collected at three revised locations, due to encountering subsurface concrete, which appeared to be in fill material placed after historic building demolition for surface

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

completions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 07/02/2014
Comments: Approved the Workplan for Area 3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/18/2014
Comments: On March 18, 2014, DTSC approved the SSI Report with a No Further Action determination for (the remaining portions of) Area 2 and a Further Action determination for Areas 1 and 4.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/01/2014
Comments: DTSC approved the Supplemental Site Investigation Report for Area 3, including the recommendation that a Removal Action Workplan be prepared for Areas 3 and 4.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 01/12/2015
Comments: DTSC finalized the Public Participation Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/07/2014
Comments: In a letter, dated May 7, 2014, DTSC concurred with the recommendations of the Technical Memorandum. DTSC also requested the report documenting removal of the limited quantity of OCP-impacted soil be submitted within 30 days of completion of such activities (to be conducted around July 2014) and an updated project schedule for Areas 1, 3, and 4 be provided by May 12, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2014
Comments: Via email on October 14, 2014, DTSC indicated that the Technical Memorandum of Summary of Field Activities for Area 1, dated September 23, 2014, appears to adequately document the goal of the soil removal and that the information should be incorporated into future Site documents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 05/15/2014
Comments: On May 15, 2015, a Community Survey was distributed (in English and Spanish).

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/24/2014
Comments: DTSC also visited the site on 7/24/2014 for soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/29/2015
Comments: DTSC sent the letter to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/12/2015
Comments: A Community Update was distributed announcing that the draft Removal Action Workplan for Areas 3 and 5 is available for public review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/12/2015
Comments: Sent for News Papers...Public Comment From August 20 to September 21, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/31/2015
Comments: Area 3 RAW Field Implementation is completed. DTSC is waiting for the Area 3 RACR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimates Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/13/2015
Comments: As Final

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 06/17/2013
Comments: On June 17, 2013, an amended Master School Cleanup Agreement was fully executed to include this project on the List of Proposed School Sites of the Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/31/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 07/18/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 06/13/2016
Schedule Revised Date: 07/13/2017
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 04/22/2016
Schedule Revised Date: 03/07/2017

SCH:

Facility ID: 60001888
Site Type: School Cleanup

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 6.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Amit Pathak
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304646
Assembly: 59
Senate: 30
Special Program Status: Not reported
Status: Active
Status Date: 05/15/2013
Restricted Use: NO
Funding: School District
Latitude: 33.96939
Longitude: -118.2669
APN: 6022026900
Past Use: INCINERATOR - OTHER, SCHOOL - HIGH SCHOOL
Potential COC: Arsenic, Dioxin (as 2,3,7,8-TCDD TEQ, Lead, Polynuclear aromatic hydrocarbons (PAHs, Dieldrin
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 6022026900
Alias Type: APN
Alias Name: 304646
Alias Type: Project Code (Site Code)
Alias Name: 60001888
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/27/2013
Comments: DTSC reviewed the PEA Equivalent Report and, on June 27, 2013, determined that a response action is required for the Site. DTSC provided comments on the Report which identified areas that require further investigation and other discrepancies in the Report; DTSC requested a response to comments by July 31, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/16/2013
Comments: On July 16, 2013, DTSC provided partial site approval on 2.5 acres of the Site and signed the SFPD 4.15 Form documenting the commitment of LAUSD and DTSC to California Department of Education to complete the required response action prior to project occupancy. DTSC recommended LAUSD coordinate a meeting with DTSC and submit a Supplemental Site Investigation Workplan and project schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

Completed Date: 09/25/2013
Comments: DTSC approved the Supplemental Site Investigation Workplan for Areas 1, 2, and 4, as revised.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/25/2013
Comments: On July 25, 2013, DTSC geologist conducted oversight during soil sampling activities in the western area of Area 1. Based on a Site Visit Report prepared by the DTSC geologist, it appeared that soil samples were collected at three revised locations, due to encountering subsurface concrete, which appeared to be in fill material placed after historic building demolition for surface completions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 07/02/2014
Comments: Approved the Workplan for Area 3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/18/2014
Comments: On March 18, 2014, DTSC approved the SSI Report with a No Further Action determination for (the remaining portions of) Area 2 and a Further Action determination for Areas 1 and 4.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/01/2014
Comments: DTSC approved the Supplemental Site Investigation Report for Area 3, including the recommendation that a Removal Action Workplan be prepared for Areas 3 and 4.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 01/12/2015
Comments: DTSC finalized the Public Participation Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/07/2014
Comments: In a letter, dated May 7, 2014, DTSC concurred with the recommendations of the Technical Memorandum. DTSC also requested the report documenting removal of the limited quantity of OCP-impacted soil be submitted within 30 days of completion of such activities (to be conducted around July 2014) and an updated project schedule for Areas 1, 3, and 4 be provided by May 12, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

Completed Document Type: Other Report
Completed Date: 10/14/2014
Comments: Via email on October 14, 2014, DTSC indicated that the Technical Memorandum of Summary of Field Activities for Area 1, dated September 23, 2014, appears to adequately document the goal of the soil removal and that the information should be incorporated into future Site documents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 05/15/2014
Comments: On May 15, 2015, a Community Survey was distributed (in English and Spanish).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/24/2014
Comments: DTSC also visited the site on 7/24/2014 for soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/29/2015
Comments: DTSC sent the letter to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/12/2015
Comments: A Community Update was distributed announcing that the draft Removal Action Workplan for Areas 3 and 5 is available for public review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/12/2015
Comments: Sent for News Papers...Public Comment From August 20 to September 21, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/31/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

Comments: Area 3 RAW Field Implementation is completed. DTSC is waiting for the Area 3 RACR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimates Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/13/2015
Comments: As Final

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 06/17/2013
Comments: On June 17, 2013, an amended Master School Cleanup Agreement was fully executed to include this project on the List of Proposed School Sites of the Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/31/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 07/18/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 06/13/2016
Schedule Revised Date: 07/13/2017
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 04/22/2016
Schedule Revised Date: 03/07/2017

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 427437
Order No: Not reported
Regulatory Measure Type: Construction
Place Id: Not reported
WDID: 4 19C367347
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 7/30/2013
PROCESSED DATE: 8/6/2013
STATUS CODE NAME: Active
STATUS DATE: 8/6/2013
PLACE SIZE: 10.61
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Michael Lee
FACILITY CONTACT TITLE: Design Manager
FACILITY CONTACT PHONE: 213-820-0546
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: michael.x.lee@lausd.net
OPERATOR NAME: Los Angeles Unified School District
OPERATOR ADDRESS: 333 S Beaudry Ave
OPERATOR CITY: Los Angeles
OPERATOR STATE: California
OPERATOR ZIP: 90017
OPERATOR CONTACT NAME: Michael Lee
OPERATOR CONTACT TITLE: Design Manager
OPERATOR CONTACT PHONE: 213-820-0546
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: michael.x.lee@lausd.net
OPERATOR TYPE: State Agency
DEVELOPER NAME: Pinner Construction Company Inc
DEVELOPER ADDRESS: 1255 S Lewis St
DEVELOPER CITY: Anaheim
DEVELOPER STATE: California

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

DEVELOPER ZIP:	92805
DEVELOPER CONTACT NAME:	Huey Nguyen
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	Y
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Talal Balaa
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	30-JUL-13
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	427437
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C367347
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/06/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles Unified School District
Discharge Address:	333 S Beaudry Ave
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90017
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT HIGH SCHOOL (Continued)

S113804689

FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

25
NNW
1/2-1
0.513 mi.
2708 ft.

NATIONAL SANDBLASTING CO INC
7101 S MCKINLEY AVENUE
LOS ANGELES, CA 90001

ENVIROSTOR **S102860884**
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
151 ft.

Facility ID: 19350405
Status: No Further Action
Status Date: 12/01/1985
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 59
Senate: 30
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.97577
Longitude: -118.2617
APN: NONE SPECIFIED
Past Use: SAND BLASTING
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: 31000-NO
Potential Description: NMA
Alias Name: CLOTHING MFG (QUEST 3/83)
Alias Type: Alternate Name
Alias Name: MISSION WATER CO (QUEST 3/83)
Alias Type: Alternate Name
Alias Name: CAD028564862
Alias Type: EPA Identification Number
Alias Name: 19350405
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/24/1983
Comments: FACILITY IDENTIFIED LA CHAM OF COMM BUS DIR 1969-70

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/25/1994
Comments: Database verification project confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1985
Comments: SOURCE ACT: SANDBLASTING & SHOT PEENING ALLOYS OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL SANDBLASTING CO INC (Continued)

S102860884

STEEL,STAINLESS,ALUM & TITANIM YR OF OPER: 1968 TO PRESENT. FAC TYPE:
BAG HOUSE FOR DUST CONTROL. WASTE: SAND/ MATLS IN ROLL OFF BOXES &
DISP(NON-HZD) SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

26
NE
1/2-1
0.569 mi.
3003 ft.

GRAYBILL METAL POLISHING
1245 E FLORENCE AVE
LOS ANGELES, CA 90001

SEMS-ARCHIVE 1000360790
RCRA-SQG CAD981450760
ENVIROSTOR
ICIS
FINDS
ECHO
HAZNET
LOS ANGELES CO. HMS
WDS

Relative:
Higher

Actual:
149 ft.

SEMS-ARCHIVE:
Site ID: 903489
EPA ID: CAD981450760
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0903489
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288713.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294308.00000
Person ID: 13003858.00000

Contact Sequence ID: 13300166.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: GRAYBILL METAL POLISHING
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 11/01/87

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Priority Level: Not reported

Action: ARCHIVE SITE

Date Started: / /

Date Completed: 11/14/88

Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: / /

Date Completed: 11/14/88

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: GRAYBILL METAL POLISHING

Facility address: 1245 E FLORENCE AVE
LOS ANGELES, CA 90001

EPA ID: CAD981450760

Contact: Not reported

Contact address: Not reported

Contact address: Not reported

Contact country: US

Contact telephone: Not reported

Contact email: Not reported

EPA Region: 09

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: FORREST GRAYBILL

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/04/1986
Site name: GRAYBILL METAL POLISHING
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/18/2005
Date achieved compliance: 06/07/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/18/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 10/18/2005
Date achieved compliance: 06/07/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/18/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/18/2005
Date achieved compliance: 06/07/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/07/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/18/2005
Date achieved compliance: 06/07/2006
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 06/07/2006
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 06/07/2006
Evaluation lead agency: State

Evaluation date: 10/18/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/07/2006
Evaluation lead agency: State

Evaluation date: 03/19/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

ENVIROSTOR:

Facility ID: 19340525
Status: Refer: Other Agency
Status Date: 08/15/1995
Site Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 33
Special Program: * CERC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.97509
Longitude: -118.2526
APN: 6010016028
Past Use: NONE SPECIFIED
Potential COC: * LIQUIDS WITH PH <= 2 * Metals - Sludge * ACID SOLUTION 2>PH WITH METALS * OTHER INORGANIC SOLID WASTE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: GRAY BILLS METAL POLISHING
Alias Type: Alternate Name
Alias Name: 6010016028
Alias Type: APN
Alias Name: CAD981450760
Alias Type: EPA Identification Number
Alias Name: 110002711441
Alias Type: EPA (FRS #)
Alias Name: 19340525
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/22/1982
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1966

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/16/1994
Comments: Site screening conducted. No evidence of contamination, refer to County because of generator status.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 10/12/1987
Comments: PRELIM ASSESS DONE SURFACE IMPOUNDMENT DETERMINED TO BE A CLARIFIER; NO KNOWN CONTAMINATION; RE- CEIVES REGULAR INSPECTIONS BY COUNTY HEALTH, THEREFORE, REFERRED TO COUNTY HEALTH

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Completed Document Type: Site Screening
Completed Date: 12/18/1986
Comments: SITE SCREENING DONE PA RATIONALE: NEED ANOTHER FACILITY DRIVE-BY AND
FILE SEARCH FOR MORE INFO.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 71003824
Status: Inactive - Action Required
Status Date: 02/08/2013
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 1
NPL: NO
Regulatory Agencies: HWMP
Lead Agency: HWMP
Program Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.97492
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: Arsenic Lead
Confirmed COC: Arsenic Lead
Potential Description: SOIL
Alias Name: CAD981450760
Alias Type: EPA Identification Number
Alias Name: 110002711441
Alias Type: EPA (FRS #)
Alias Name: 71003824
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/07/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Completed Date: 12/13/2006
Comments: Inspection report sent on 12/13/2006

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ICIS:

Enforcement Action ID: 09-2006-0126
FRS ID: 110002711441
Action Name: Graybill Plating
Facility Name: GRAYBILL METAL POLISHING
Facility Address: 1245 EAST FLORENCE AVENUE
LOS ANGELES, CA 90001
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 3471
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.974756
Longitude in Decimal Degrees: -118.253074
Permit Type Desc: Not reported
Program System Acronym: 600002272
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: GRAYBILL METAL POLISHING
Address: 1245 E FLORENCE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GRAYBILL METAL POLISHING
Address: 1245 E FLORENCE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GRAYBILL METAL POLISHING
Address: 1245 E FLORENCE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GRAYBILL METAL POLISHING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Address: 1245 E FLORENCE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

FINDS:

Registry ID: 110002711441

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SUPERFUND (NON-NPL)

STATE MASTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000360790
Registry ID: 110002711441
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002711441>

HAZNET:

envid: 1000360790
Year: 2004
GEPAID: CAD981450760
Contact: STEVE GRAYBILL/PRESIDENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Telephone: 2135858575
Mailing Name: Not reported
Mailing Address: 1245 E FLORENCE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012432
Gen County: Not reported
TSD EPA ID: CAD008488025
TSD County: Not reported
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Recycler
Tons: 0.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000360790
Year: 2003
GEPAID: CAD981450760
Contact: STEVE GRAYBILL/PRESIDENT
Telephone: 2135858575
Mailing Name: Not reported
Mailing Address: 1245 E FLORENCE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012432
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with chromium (VI) >= 500 Mg./L
Disposal Method: Recycler
Tons: 1.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000360790
Year: 2003
GEPAID: CAD981450760
Contact: STEVE GRAYBILL/PRESIDENT
Telephone: 2135858575
Mailing Name: Not reported
Mailing Address: 1245 E FLORENCE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012432
Gen County: Not reported
TSD EPA ID: AZT050010685
TSD County: Not reported
Waste Category: Liquids with cyanides >= 1,000 Mg./L
Disposal Method: Recycler
Tons: 0.05
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000360790
Year: 2003
GEPAID: CAD981450760
Contact: STEVE GRAYBILL/PRESIDENT
Telephone: 2135858575
Mailing Name: Not reported
Mailing Address: 1245 E FLORENCE AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Mailing City,St,Zip: LOS ANGELES, CA 900012432
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Treatment, Tank
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000360790
Year: 2003
GEPAID: CAD981450760
Contact: STEVE GRAYBILL/PRESIDENT
Telephone: 2135858575
Mailing Name: Not reported
Mailing Address: 1245 E FLORENCE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012432
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 0.33
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
48 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:

Region: LA
Permit Category: S
Facility Id: 001783-045141
Facility Type: S6
Facility Status: Closed
Area: 29
Permit Number: CGI011226
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 001783-I01858
Facility Type: 01
Facility Status: Closed
Area: 29
Permit Number: 000005426
Permit Status: Closed

Region: LA
Permit Category: S
Facility Id: 033349-058910
Facility Type: S5
Facility Status: Closed
Area: 29

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAYBILL METAL POLISHING (Continued)

1000360790

Permit Number: 000806769
Permit Status: Closed

WDS:

Facility ID: 4 19I011226
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: AMERICAN ELECTRO PLATING
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

F27
NNW
1/2-1
0.615 mi.
3246 ft.

GENERAL ELECTRIC - ENDURA
6900 STANFORD AVENUE
LOS ANGELES, CA 90001

ENVIROSTOR
VCP
HIST UST

U001560121
N/A

Site 1 of 2 in cluster F

Relative:
Higher

ENVIROSTOR:
Facility ID: 19340735
Status: Inactive - Action Required
Status Date: 04/26/2016
Site Code: 301776

Actual:
151 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.84
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: Polanco Redevelopment MOA
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.97726
Longitude: -118.2625
APN: 6007-016-014, 6007016014
Past Use: ELECTRIC GENERATION/SUBSTATION, MANUFACTURING - OTHER, TRANSFORMER REPAIR
Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas
Confirmed COC: Not reported
Potential Description: OTH, SOIL, OTH, SOIL
Alias Name: ENDURA METAL PRODUCTS (FORMERLY)
Alias Type: Alternate Name
Alias Name: GENERAL ELECTRIC
Alias Type: Alternate Name
Alias Name: 6007-016-014
Alias Type: APN
Alias Name: 6007016014
Alias Type: APN
Alias Name: CAD980816144
Alias Type: EPA Identification Number
Alias Name: CAD982505083
Alias Type: EPA Identification Number
Alias Name: 110033619788
Alias Type: EPA (FRS #)
Alias Name: P33067
Alias Type: PCode
Alias Name: 301300
Alias Type: Project Code (Site Code)
Alias Name: 301776
Alias Type: Project Code (Site Code)
Alias Name: 19340735
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/18/2002
Comments: DTSC grated a three week extension for submittal of the Site Characterization Work Plan
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/29/2009
Comments: Letter issued on 10/29/2009

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 05/01/2007
Comments: Document prepared for The Community Redevelopment Agency of the City of Los Angeles

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 11/14/2002
Comments: Summary by Activity Letter was issued on November 14, 2002

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/29/2016
Comments: Letter issued on 4/29/2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/17/2001
Comments: SCS Engineers Correspondence issued on 9/17/2001

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 10/20/2005
Comments: Presite Visit Form signed on 10/20/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/19/2016
Comments: Email sent by GE on 4/19/2016 indicated that field mobilization to conduct the excavation according to Remedial Design and Implementation Plan will commence on the week of May 9th, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/22/2001
Comments: Based on review of document Completion Report for Demolition, Disposal and New Site Improvements at the General Electric Company, June 5, 2001 Work Plan for the investigation of the subject site was redrafted to more accurately reflect the proposed sampling locations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

with respect to former and current features of the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/20/1990
Comments: SITE SCREENING DONE EPA LEAD ON GENERAL ELECTRIC COMPANY EPA WILL REACTIVATE GENERAL ELECTRIC FILE; NO FURTHER ACTION FOR ENDURA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/16/1988
Comments: SITE SCREENING DONE SITE IS CURRENTLY ON THE BEP; DHS WILL CONTINUE TO WORK WITH GE TO CLEANUP THE SITE, INCLUDING THE PCB CONTAMINATION

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/22/1988
Comments: REASSESSMENT OF PA DONE BY E&E RECOMMENDS NFA UNDER CERCLA for EPA DUE TO INSUFFICIENT SCORE FOR NPL INCLUSION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/25/2004
Comments: DTSC has determined that the response to comments satisfactorily addresses the concerns detailed in our January 8, 2003 letter. DTSC approves the proposed workplan, provided that the comments are addressed prior to the field work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/05/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/01/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 10/04/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2007
Comments: DTSC File Room does not a review/approval letter of the subject report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2007
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/01/2007
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/25/2008
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2008
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/25/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/31/2003
Comments: File room does not have a review letter of submitted documents

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/29/2004
Comments: File room does not have a review letter of submitted technical memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/02/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Comments: File Room does not have an approval letter of the Work Plan Addendum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 03/11/2004
Comments: HARP Presite visit form signed on 10/20/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Polanco Agreement
Completed Date: 12/07/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/23/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/02/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/17/2007
Comments: "Deep Soil & Groundwater Investigation Report OU-2" was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/20/2006
Comments: Response to comments and notification letter sent by RP is uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/01/2008
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/19/2008
Comments: DTSC File room does not have a approval letter of Site Characterization Report, however, according to URS' Response To Comments Letter of September 19, 2007, it appears that DTSC HERD concerns (Letter of April 11, 2007) were addressed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/18/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Comments: Final Addendum Work Plan includes site background information and a Field Sampling Plan for the proposed investigation activities

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/02/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 11/19/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/17/1987
Comments: DTSC file room does not have a document approving submitted report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/01/1993
Comments: DTSC file room does not have a document approving submitted report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/11/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/05/2006
Comments: Letter issued on July 5, 2006 regarding invoice numbers 05SM2228 (January 26, 2006) and 05SM2621 (May 8, 2006)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/14/2006
Comments: Letter issued by URS addressing DTSC GSU request for Groundwater Monitoring

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/19/2007
Comments: Initial Study/Environmental Assessment report was reviewed and comments were emailed to Mr. Weissmen from City of Los Angeles Community Development Department during the public review period.

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 19340735
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.84
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Site Code: 301776
Assembly: 59
Senate: 30
Special Programs Code: Polanco Redevelopment MOA
Status: Inactive - Action Required
Status Date: 04/26/2016
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.97726 / -118.2625
APN: 6007-016-014, 6007016014
Past Use: ELECTRIC GENERATION/SUBSTATION, MANUFACTURING - OTHER, TRANSFORMER REPAIR

Potential COC: 30003, 30013, 30019, 30024, 30025, 30013, 30018, 30019, 30024, 30025
Confirmed COC: ,
Potential Description: OTH, SOIL, OTH, SOIL
Alias Name: ENDURA METAL PRODUCTS (FORMERLY)
Alias Type: Alternate Name
Alias Name: GENERAL ELECTRIC
Alias Type: Alternate Name
Alias Name: 6007-016-014
Alias Type: APN
Alias Name: 6007016014
Alias Type: APN
Alias Name: CAD980816144
Alias Type: EPA Identification Number
Alias Name: CAD982505083
Alias Type: EPA Identification Number
Alias Name: 110033619788
Alias Type: EPA (FRS #)
Alias Name: P33067
Alias Type: PCode
Alias Name: 301300
Alias Type: Project Code (Site Code)
Alias Name: 301776
Alias Type: Project Code (Site Code)
Alias Name: 19340735

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/18/2002
Comments: DTSC grated a three week extension for submittal of the Site Characterization Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/29/2009
Comments: Letter issued on 10/29/2009

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 05/01/2007
Comments: Document prepared for The Community Redevelopment Agency of the City of Los Angeles

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 11/14/2002
Comments: Summary by Activity Letter was issued on November 14, 2002

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/29/2016
Comments: Letter issued on 4/29/2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/17/2001
Comments: SCS Engineers Correspondence issued on 9/17/2001

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 10/20/2005
Comments: Presite Visit Form signed on 10/20/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/19/2016
Comments: Email sent by GE on 4/19/2016 indicated that field mobilization to

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

conduct the excavation according to Remedial Design and Implementation Plan will commence on the week of May 9th, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/22/2001
Comments: Based on review of document Completion Report for Demolition, Disposal and New Site Improvements at the General Electric Company, June 5, 2001 Work Plan for the investigation of the subject site was redrafted to more accurately reflect the proposed sampling locations with respect to former and current features of the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/20/1990
Comments: SITE SCREENING DONE EPA LEAD ON GENERAL ELECTRIC COMPANY EPA WILL REACTIVATE GENERAL ELECTRIC FILE; NO FURTHER ACTION FOR ENDURA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/16/1988
Comments: SITE SCREENING DONE SITE IS CURRENTLY ON THE BEP; DHS WILL CONTINUE TO WORK WITH GE TO CLEANUP THE SITE, INCLUDING THE PCB CONTAMINATION

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/22/1988
Comments: REASSESSMENT OF PA DONE BY E&E RECOMMENDS NFA UNDER CERCLA for EPA DUE TO INSUFFICIENT SCORE FOR NPL INCLUSION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/25/2004
Comments: DTSC has determined that the response to comments satisfactorily addresses the concerns detailed in our January 8, 2003 letter. DTSC approves the proposed workplan, provided that the comments are addressed prior to the field work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/05/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/01/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Completed Document Type: Community Profile
Completed Date: 10/04/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2007
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2007
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/01/2007
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/25/2008
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2008
Comments: DTSC File Room does not a review/approval letter of the subject report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/25/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/31/2003
Comments: File room does not have a review letter of submitted documents

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/29/2004
Comments: File room does not have a review letter of submitted technical memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/02/2004
Comments: File Room does not have an approval letter of the Work Plan Addendum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 03/11/2004
Comments: HARP Presite visit form signed on 10/20/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Polanco Agreement
Completed Date: 12/07/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/23/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/02/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/17/2007
Comments: "Deep Soil & Groundwater Investigation Report OU-2" was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/20/2006
Comments: Response to comments and notification letter sent by RP is uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/01/2008
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Completed Document Type: Remedial Investigation Report
Completed Date: 11/19/2008
Comments: DTSC File room does not have a approval letter of Site Characterization Report, however, according to URS' Response To Comments Letter of September 19, 2007, it appears that DTSC HERD concerns (Letter of April 11, 2007) were addressed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/18/2005
Comments: Final Addendum Work Plan includes site background information and a Field Sampling Plan for the proposed investigation activities

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/02/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 11/19/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/17/1987
Comments: DTSC file room does not have a document approving submitted report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/01/1993
Comments: DTSC file room does not have a document approving submitted report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/11/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/05/2006
Comments: Letter issued on July 5, 2006 regarding invoice numbers 05SM2228 (January 26, 2006) and 05SM2621 (May 8, 2006)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/14/2006
Comments: Letter issued by URS addressing DTSC GSU request for Groundwater Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/19/2007
Comments: Initial Study/Environmental Assessment report was reviewed and comments were emailed to Mr. Weissmen from City of Los Angeles Community Development Department during the public review period.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000067752
Facility Type: Other
Other Type: UNUSED REPAIR SHOP
Contact Name: Not reported
Telephone: 5183852440
Owner Name: GENERAL ELECTRIC COMPANY, REAL
Owner Address: 1 RIVER ROAD, BUILDING 36-206
Owner City,St,Zip: SCHENECTADY, NY 12345
Total Tanks: 0010

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 6U
Container Construction Thickness: X
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Leak Detection:	None
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	007
Container Num:	7
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	008
Container Num:	8
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	009
Container Num:	9
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL ELECTRIC - ENDURA (Continued)

U001560121

Container Num: 10
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

**F28
NNW
1/2-1
0.615 mi.
3246 ft.**

**GENERAL ELECTRIC, (FORMERLY ENDURA)
6900 STANFORD AVENUE
LOS ANGELES, CA 90001**

**CA BOND EXP. PLAN S100833511
N/A**

Site 2 of 2 in cluster F

**Relative:
Higher**

CA BOND EXP. PLAN:

Responsible Party: BACKLOG SITE CLEANUP PLANNING REPORT

**Actual:
151 ft.**

Project Revenue Source Company: Not reported

Project Revenue Source Addr: Not reported

Project Revenue Source City,St,Zip: Not reported

Project Revenue Source Desc: This site is projected for cleanup funded by responsible parties, with reimbursement to DHS for staff and related costs. However, if the responsible parties fail to provide funding for cleanup, another funding source will need to be established.

Site Description: The facility was formerly used by General Electric to repair and reprocess transformers. Endura Metals used the site to manufacture stainless steel kitchen and restaurant cabinets and tables. This site was listed as Endura Metals in the January, 1987 Expenditure Plan.

Hazardous Waste Desc: Polychlorinated biphenyls (PCBs) and polychlorinated dibenzofurans (PCDFs) were found at elevated levels at the site.

Threat To Public Health & Env: The primary threat to the public and environment is through direct contact.

Site Activity Status: The County Health Department has requested DHS assistance at the site. General Electric has offered to conduct additional characterization but has refused to enter into an enforceable agreement. DHS requested General Electric to conduct fence repairs in October, 1988 to limit site access.

**29
North
1/2-1
0.660 mi.
3483 ft.**

**STUART IRONSIDES
6815 MCKINLEY AVE
LOS ANGELES, CA 90001**

**ENVIROSTOR S106797554
N/A**

**Relative:
Higher**

ENVIROSTOR:

Facility ID: 19000035

Status: Refer: 1248 Local Agency

Status Date: 12/14/2001

Site Code: Not reported

Site Type: Evaluation

Site Type Detailed: Evaluation

Acres: Not reported

NPL: NO

Regulatory Agencies: NONE SPECIFIED

Lead Agency: NONE SPECIFIED

Program Manager: Not reported

Supervisor: Referred - Not Assigned

Division Branch: Cleanup Cypress

Assembly: 52

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STUART IRONSIDES (Continued)

S106797554

Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19000035
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

G30
NNE
1/2-1
0.739 mi.
3900 ft.

MIRAMONTE PRIMARY CENTER
HOOPER AVENUE/EAST 69TH STREET/EAST 70TH STREET
LOS ANGELES, CA 90001

ENVIROSTOR **S105840737**
SCH **N/A**

Site 1 of 2 in cluster G

Relative:
Higher

ENVIROSTOR:

Actual:
153 ft.

Facility ID: 19880052
Status: Inactive - Withdrawn
Status Date: 08/20/2002
Site Code: 304114
Site Type: School Investigation
Site Type Detailed: School
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIRAMONTE PRIMARY CENTER (Continued)

S105840737

Latitude: 33.97749
Longitude: -118.2511
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: LAUSD-MIRAMONTE PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: LAUSD-MIRAMONTE PRIMARY CENTER/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MIRAMONTE PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: 304019
Alias Type: Project Code (Site Code)
Alias Name: 304114
Alias Type: Project Code (Site Code)
Alias Name: 19880052
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880052
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIRAMONTE PRIMARY CENTER (Continued)

S105840737

Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304114
Assembly: 59
Senate: 33
Special Program Status: Not reported
Status: Inactive - Withdrawn
Status Date: 08/20/2002
Restricted Use: NO
Funding: School District
Latitude: 33.97749
Longitude: -118.2511
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: LAUSD-MIRAMONTE PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: LAUSD-MIRAMONTE PRIMARY CENTER/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MIRAMONTE PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: 304019
Alias Type: Project Code (Site Code)
Alias Name: 304114
Alias Type: Project Code (Site Code)
Alias Name: 19880052
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIRAMONTE PRIMARY CENTER (Continued)

S105840737

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**31
NNE
1/2-1
0.756 mi.
3992 ft.**

**GOODYEAR TIRE & RUBBER COMPANY
6701 SOUTH CENTRAL AVENUE
LOS ANGELES, CA 90001**

**ENVIROSTOR S101480727
N/A**

**Relative:
Higher**

ENVIROSTOR:

**Actual:
156 ft.**

Facility ID: 19300026
Status: No Further Action
Status Date: 12/08/1994
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 33
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.97888
Longitude: -118.2561
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER
Potential COC: * HYDROCARBON SOLVENTS * OXYGENATED SOLVENTS * UNSPECIFIED SOLVENT MIXTURES Arsenic Polychlorinated biphenyls (PCBs)
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SV
Alias Name: UNITED STATES POST OFFICE
Alias Type: Alternate Name
Alias Name: CAD981414345
Alias Type: EPA Identification Number
Alias Name: 19300026
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/08/1994
Comments: CalSites Validation Program confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR TIRE & RUBBER COMPANY (Continued)

S101480727

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/08/1988
Comments: Site Screening Done: DHS will conduct a Site Inspection (low priority) to determine the extent of soil contamination and threat to public health.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/05/1982
Comments: Facility Identified: LA Chamber of Commerce Bus. Dir 1958.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

G32
NNE
1/2-1
0.766 mi.
4043 ft.

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 10
68TH STREET/HOOPER AVENUE/69TH STREET
LOS ANGELES, CA 90001

ENVIROSTOR **S107736473**
SCH **N/A**

Site 2 of 2 in cluster G

Relative:
Higher

ENVIROSTOR:

Actual:
153 ft.

Facility ID: 19880078
Status: Inactive - Withdrawn
Status Date: 03/20/2000
Site Code: 304156
Site Type: School Investigation
Site Type Detailed: School
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.978
Longitude: -118.2520
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: HOOPER/MIRAMONTE PRIMARY SCHOOL #10
Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 10 (Continued)

S107736473

Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #10/CDE
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #10/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304080
Alias Type: Project Code (Site Code)
Alias Name: 304156
Alias Type: Project Code (Site Code)
Alias Name: 19880078
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880078
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304156

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 10 (Continued)

S107736473

Assembly: 59
Senate: 33
Special Program Status: Not reported
Status: Inactive - Withdrawn
Status Date: 03/20/2000
Restricted Use: NO
Funding: School District
Latitude: 33.978
Longitude: -118.2520
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: HOOPER/MIRAMONTE PRIMARY SCHOOL #10
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #10/CDE
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #10/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304080
Alias Type: Project Code (Site Code)
Alias Name: 304156
Alias Type: Project Code (Site Code)
Alias Name: 19880078
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

33
North
1/2-1
0.829 mi.
4375 ft.

DAVID P GOODNAM
6600 STANFORD AVE
LOS ANGELES, CA 90001

ENVIROSTOR
SWEEPS UST
CA FID UST

S101583913
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
157 ft.

Facility ID: 60002333
Status: No Action Required
Status Date: 09/13/2016
Site Code: 301749
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Narine Aghakiant
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: , 59
Senate: , 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.97943
Longitude: -118.2625
APN: NONE SPECIFIED
Past Use: ABOVE GROUND STORAGE TANKS, VEHICLE MAINTENANCE
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301749
Alias Type: Project Code (Site Code)
Alias Name: 60002333
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/17/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:

Status: Not reported
Comp Number: 7226
Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DAVID P GOODNAM (Continued)

S101583913

Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

CA FID UST:

Facility ID: 19007288
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 6600 STANFORD AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900010000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

H34
East
1/2-1
0.830 mi.
4385 ft.

MITCHELL INVESTORS
7702 MAIE AVE
LOS ANGELES, CA 90001

Site 1 of 2 in cluster H

Relative:
Higher

Actual:
146 ft.

RCRA-SQG:

Date form received by agency: 05/08/2001
Facility name: MITCHELL INVESTORS
Facility address: 7702 MAIE AVE
LOS ANGELES, CA 90001
EPA ID: CAT000618991
Mailing address: 579 LAKE HURON LN
BOULDER CITY, NE 89005
Contact: EDWARD WAYMIRE
Contact address: 579 LAKE HURON LN
BOULDER CITY, NE 89005
Contact country: US
Contact telephone: (702) 294-0037
Contact email: Not reported

RCRA-SQG
SLIC
UST
EMI
ENF
LOS ANGELES CO. HMS
HWP
NPDES
LA Co. Site Mitigation

1000300369
CAT000618991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

EPA Region: 09
Land type: County
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MITCHELL INVESTORS
Owner/operator address: 579 LAKE HURON LN
BOULDER CITY, NE 89005
Owner/operator country: Not reported
Owner/operator telephone: (702) 294-0037
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/08/2001
Site name: MITCHELL INVESTORS
Classification: Large Quantity Generator
Waste code: D002
Waste name: CORROSIVE WASTE

Date form received by agency: 09/01/1996
Site name: MITCHELL INVESTORS
Classification: Small Quantity Generator

Date form received by agency: 04/16/1990
Site name: WAYMIRE DRUM CO INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: F - 262.10-12.A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

Area of violation: Generators - General
Date violation determined: 04/12/1984
Date achieved compliance: 04/03/1986
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/12/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/03/1986
Evaluation lead agency: State

SLIC:

Region: STATE
Facility Status: **Open - Inactive**
Status Date: 02/03/2016
Global Id: SL204AC1742
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.9699214723709
Longitude: -118.244068593918
Case Type: Cleanup Program Site
Case Worker: BA
Local Agency: Not reported
RB Case Number: 0215
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Not reported
Site History: The former Waymire Drum Company facility (site) is located in south Los Angeles at 7702 south Maie Avenue, approximately 5.5 miles from downtown Los Angeles. Residential houses are located adjacent to the site across Maie Avenue. The former facility served as an automated drum reconditioning and recycling facility from approximately the late 1920s to 1992, where used drums were brought in, cleaned, and re-painted for resale. Following site inspections by the California Department of Public Health (CDPH), successive environmental site investigations were conducted in 1990, 1991, 1992, 1995, 1999 and from 1999 to 2003 under the oversight of the regional board and other agencies. The site investigations indicate that the soil and groundwater beneath the site are impacted with hazardous chemical releases consisting of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), heavy metals, petroleum hydrocarbons, and other potential contaminants.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region: 4
Facility Status: Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

SLIC: 0215
Substance: VOCs/
Staff: SSH

UST:

Facility ID: 44
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.9712329
Longitude: -118.2428329

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 18293
Air District Name: SC
SIC Code: 3412
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 38
Reactive Organic Gases Tons/Yr: 35
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 18293
Air District Name: SC
SIC Code: 3412
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 39
Reactive Organic Gases Tons/Yr: 37
Carbon Monoxide Emissions Tons/Yr: 4
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 18293
Air District Name: SC
SIC Code: 3412
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

ENF:

Region: 4
Facility Id: 273546
Agency Name: Not reported
Place Type: Discharge Source
Place Subtype: Non-point Source
Facility Type: Industrial
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Enf Action
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: Not reported
Program Category1: Not reported
Program Category2: TANKS
Of Programs: Not reported
WDID: Not reported
Reg Measure Id: Not reported
Reg Measure Type: Not reported
Region: Not reported
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Not reported
Status Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	389512
Region:	4
Order / Resolution Number:	R4-2012-0110
Enforcement Action Type:	Admin Civil Liability
Effective Date:	02/07/2013
Adoption/Issuance Date:	02/07/2013
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	06/22/2012
EPL Issuance Date:	Not reported
Status:	Active
Title:	ACL R4-2012-0110 for Mitchell Investors LLC
Description:	Complaint No. R4-2012-0110
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	107818
Initial Assessed Amount:	90515
Liability \$ Amount:	107818
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	273546
Agency Name:	Not reported
Place Type:	Discharge Source
Place Subtype:	Non-point Source
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	389498
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	12/02/2010
Adoption/Issuance Date:	12/02/2010
Achieve Date:	Not reported
Termination Date:	12/02/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 12/02/2010 for E. Waymire, Waymire Drum, R. Shahbazian, Mitchell Investors
Description:	NOV for failure to submit required technical reports in

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

	violation of CAO No. R4-2010-0095
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	273546
Agency Name:	Mitchell Investors LLC
Place Type:	Discharge Source
Place Subtype:	Non-point Source
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4SLIC215
Reg Measure Id:	157760
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	03/05/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	389497
Region:	4
Order / Resolution Number:	R4-2010-0095
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/22/2010
Adoption/Issuance Date:	07/22/2010
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	CAO R4-2010-0095 for E. Waymire, Waymire Drum, R. Shahbazian, Mitchell Investors
Description:	Not reported
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	273546
Agency Name:	Mitchell Investors LLC
Place Type:	Discharge Source
Place Subtype:	Non-point Source
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4SLIC215
Reg Measure Id:	157760
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	03/05/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	356590
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	10/01/2008
Adoption/Issuance Date:	10/01/2008
Achieve Date:	Not reported
Termination Date:	10/01/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 10/1/08 to Mitchell Investors for overdue technical reports.
Description:	NOV sent 10/1/08 to Mitchell Investors for overdue technical reports for the former Waymire Drum Company site.
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	273546
Agency Name:	Mitchell Investors LLC
Place Type:	Discharge Source
Place Subtype:	Non-point Source
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4SLIC215
Reg Measure Id:	157760
Reg Measure Type:	Unregulated
Region:	4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	03/05/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	227895
Region:	4
Order / Resolution Number:	SEL
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	09/12/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	1/2/2001
Termination Date:	09/12/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4SLIC215
Description:	Notice of Noncompliance sent 9/12/00 for 3 overdue groundwater monitoring reports.
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	S
Facility Id:	000044-062697
Facility Type:	S5
Facility Status:	Permit
Area:	29
Permit Number:	000844820
Permit Status:	Permit

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

HWP:

EPA Id: CAT000618991
Cleanup Status: PROTECTIVE FILER
Latitude: 33.96994
Longitude: -118.2445
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 59
Senate District: 33
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAT000618991
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date: 04/17/1984

EPA Id: CAT000618991
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date: 04/17/1984

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 440423
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 19I024411
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 12/17/2014
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 8/12/2013
PROCESSED DATE: 8/12/2013
STATUS CODE NAME: Terminated
STATUS DATE: 2/9/2015
PLACE SIZE: 30000
PLACE SIZE UNIT: SqFt
FACILITY CONTACT NAME: Artem Artenyan
FACILITY CONTACT TITLE: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

FACILITY CONTACT PHONE:	323-816-3214
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Artem Artenyan
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Individual
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	LA River
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	5015-Motor Vehicle Parts, Used
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	440423
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

WDID:	4 19I024411
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/12/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/17/2014
Discharge Name:	Artem Artenyan
Discharge Address:	7702 Maie Ave
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90001
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MITCHELL INVESTORS (Continued)

1000300369

CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

LA Co. Site Mitigation:

Facility ID:	FA0016946
Site ID:	SD0010150
Jurisdiction:	County
Case ID:	RO0010150
Abated:	Yes
Assigned To:	LR
Entered Date:	05/11/2004
Abated Date:	09/07/1995

H35
East
1/2-1
0.830 mi.
4385 ft.

WAYMIRE DRUM COMPANY INC
7702 MAIE AVENUE
LOS ANGELES, CA 90001

ENVIROSTOR
HAZNET
S113179080
N/A

Site 2 of 2 in cluster H

Relative:
Higher

Actual:
146 ft.

ENVIROSTOR:

Facility ID:	60002332
Status:	Inactive - Action Required
Status Date:	09/06/2016
Site Code:	301740
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	2
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Sara Vela
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	, 59
Senate:	, 33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.96984
Longitude:	-118.2441
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301740
Alias Type:	Project Code (Site Code)
Alias Name:	60002332

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAYMIRE DRUM COMPANY INC (Continued)

S113179080

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 09/20/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:

envid: S113179080
Year: 2012
GEPAID: CAR000214700
Contact: ALDO RIVAS
Telephone: 9048169490
Mailing Name: Not reported
Mailing Address: 6900 S MCKINLEY AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Los Angeles
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 12.51
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113179080
Year: 2012
GEPAID: CAR000214700
Contact: ALDO RIVAS
Telephone: 9048169490
Mailing Name: Not reported
Mailing Address: 6900 S MCKINLEY AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Los Angeles
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAYMIRE DRUM COMPANY INC (Continued)

S113179080

envid: S113179080
Year: 2011
GEPAID: CAR000214700
Contact: ALDO RIVAS
Telephone: 9048169490
Mailing Name: Not reported
Mailing Address: 7702 MAIE AVE # A
Mailing City,St,Zip: LOS ANGELES, CA 900012641
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.1925
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

36
ENE
1/2-1
0.885 mi.
4675 ft.

L & B INDUSTRIES INC.
7412 MAIE AVENUE
LOS ANGELES, CA 90001

ENVIROSTOR **S113000010**
HAZNET **N/A**

Relative:
Higher

ENVIROSTOR:
Facility ID: 60002327
Status: Inactive - Action Required
Status Date: 09/06/2016
Site Code: 301739
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 3.38
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Sara Vela
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: , 59
Senate: , 33
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.97290
Longitude: -118.2439
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301739
Alias Type: Project Code (Site Code)
Alias Name: 60002327
Alias Type: Envirostor ID Number

Actual:
151 ft.

Completed Info:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & B INDUSTRIES INC. (Continued)

S113000010

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 09/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 09/20/2016
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 09/20/2016
Comments: .

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:

envid: S113000010
Year: 2003
GEPAID: CAD020171286
Contact: UNDELIVERABLE FEE FORM 4-94
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: 7412 MAIE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012635
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.41
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113000010
Year: 2003
GEPAID: CAD020171286
Contact: UNDELIVERABLE FEE FORM 4-94
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: 7412 MAIE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012635
Gen County: Not reported
TSD EPA ID: CAD008364432

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & B INDUSTRIES INC. (Continued)

S113000010

TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: 0.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113000010
Year: 2003
GEPaid: CAD020171286
Contact: UNDELIVERABLE FEE FORM 4-94
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: 7412 MAIE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012635
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: 0.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113000010
Year: 2003
GEPaid: CAD020171286
Contact: UNDELIVERABLE FEE FORM 4-94
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: 7412 MAIE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012635
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.41
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113000010
Year: 2002
GEPaid: CAD020171286
Contact: UNDELIVERABLE FEE FORM 4-94
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: 7412 MAIE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900012635
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & B INDUSTRIES INC. (Continued)

S113000010

Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: 0.9
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 27 additional CA_HAZNET: record(s) in the EDR Site Report.

37
North
1/2-1
0.918 mi.
4846 ft.

ALPHA CENTURION
802 EAST GAGE AVENUE
LOS ANGELES, CA 90001

ENVIROSTOR **S109821410**
N/A

Relative:
Higher

Actual:
161 ft.

ENVIROSTOR:
Facility ID: 60001119
Status: Refer: EPA
Status Date: 10/04/2011
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Poonam Acharya
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.98176
Longitude: -118.2613
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981631823
Alias Type: EPA Identification Number
Alias Name: 60001119
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/30/2009
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPHA CENTURION (Continued)

S109821410

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

38
NNE
1/2-1
0.943 mi.
4981 ft.

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 3
61ST STREET/NAOMI AVENUE/62ND STREET
LOS ANGELES, CA 90001

ENVIROSTOR **S107736476**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:

Actual:
158 ft.

Facility ID: 19880076
Status: Inactive - Withdrawn
Status Date: 03/20/2000
Site Code: 304159
Site Type: School Investigation
Site Type Detailed: School
Acres: 1.6
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.98126
Longitude: -118.2531
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: HOOPER/MIRAMONTE PRIMARY SCHOOL #3
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #3/CDE
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #3/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304076
Alias Type: Project Code (Site Code)
Alias Name: 304159
Alias Type: Project Code (Site Code)
Alias Name: 19880076
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 3 (Continued)

S107736476

Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880076
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.6
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304159
Assembly: 59
Senate: 33
Special Program Status: Not reported
Status: Inactive - Withdrawn
Status Date: 03/20/2000
Restricted Use: NO
Funding: School District
Latitude: 33.98126
Longitude: -118.2531
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: HOOPER/MIRAMONTE PRIMARY SCHOOL #3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 3 (Continued)

S107736476

Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #3/CDE
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #3/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304076
Alias Type: Project Code (Site Code)
Alias Name: 304159
Alias Type: Project Code (Site Code)
Alias Name: 19880076
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

I39
North
1/2-1
0.947 mi.
5002 ft.

SOUTH REGION HS #2, SITE #8
CENTRAL AVENUE/GAGE AVENUE
LOS ANGELES, CA 90001

Site 1 of 3 in cluster I

ENVIROSTOR
SCH
DEED

S107735776
N/A

Relative:
Higher

ENVIROSTOR:

Facility ID: 60000076
Status: Certified O&M - Land Use Restrictions Only
Status Date: 05/07/2014
Site Code: 304491
Site Type: School Cleanup
Site Type Detailed: School
Acres: 15.91
NPL: NO

Actual:
161 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 33
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.9833
Longitude: -118.2545
APN: 6008-013-003, 6008-013-004, 6008-013-005, 6008-013-006, 6008-013-007, 6008-013-008, 6008-013-009, 6008-013-010, 6008-013-011, 6008-013-012, 6008-013-013, 6008-013-014, 6008-013-015, 6008-013-016, 6008-013-017, 6008-013-020, 6008-013-021, 6008-013-022, 6008-013-023, 6008-013-024, 6008-013-025, 6008-013-026, 6008-013-027, 6008-013-028, 6008-013-029, 6008-013-030, 6008-013-031, 6008-013-032, 6008-013-033, 6008-013-034, 6008-013-035, 6008-013-036, 6008-013-800, 6008-014-038, 6008-014-043, 6008-014-045, 6008-014-046, 6008-014-047, 6008-014-048, 6008-015-001, 6008-015-002, 6008-015-003, 6008-015-004, 6008-015-005, 6008-015-006, 6008-015-007, 6008-015-008, 6008-015-009, 6008-015-010, 6008-015-011, 6008-015-013, 6008-015-017, 6008-015-018, 6008-015-019, 6008-015-020, 6008-015-021, 6008-015-022, 6008-015-023, 6008-015-024, 6008-015-025, 6008-015-026, 6008-015-027, 6008-015-028, 6008-015-029, 6008-015-030, 6008-015-031, 6008-015-032, 6008-015-033, 6008-015-034, 6008-015-035, 6008-015-036, 6008-015-038, 6008-016-900
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, RAILROAD RIGHT OF WAY, RECYCLING - SCRAP METAL
Potential COC: Arsenic Benzene Lead Tetrachloroethylene (PCE TPH-gas Cadmium and compounds Copper and compounds Ethylbenzene Molybdenum Nickel Toluene Xylenes Zinc
Confirmed COC: Toluene Tetrachloroethylene (PCE TPH-gas Cadmium and compounds Chromium III Chromium VI Copper and compounds Ethylbenzene Molybdenum Nickel Arsenic Benzene Lead Xylenes Zinc
Potential Description: IA, OTH, SOIL, SV
Alias Name: Diego Rivera Learning Complex
Alias Type: Alternate Name
Alias Name: LAUSD-PRPSD SOUTH REGION HS #2 SITE #8
Alias Type: Alternate Name
Alias Name: SRHS 2
Alias Type: Alternate Name
Alias Name: SRHS#2-Public Services Community School
Alias Type: Alternate Name
Alias Name: 6008-013-003
Alias Type: APN
Alias Name: 6008-013-004
Alias Type: APN
Alias Name: 6008-013-005
Alias Type: APN
Alias Name: 6008-013-006
Alias Type: APN
Alias Name: 6008-013-007
Alias Type: APN
Alias Name: 6008-013-008
Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Alias Name:	6008-013-009
Alias Type:	APN
Alias Name:	6008-013-010
Alias Type:	APN
Alias Name:	6008-013-011
Alias Type:	APN
Alias Name:	6008-013-012
Alias Type:	APN
Alias Name:	6008-013-013
Alias Type:	APN
Alias Name:	6008-013-014
Alias Type:	APN
Alias Name:	6008-013-015
Alias Type:	APN
Alias Name:	6008-013-016
Alias Type:	APN
Alias Name:	6008-013-017
Alias Type:	APN
Alias Name:	6008-013-020
Alias Type:	APN
Alias Name:	6008-013-021
Alias Type:	APN
Alias Name:	6008-013-022
Alias Type:	APN
Alias Name:	6008-013-023
Alias Type:	APN
Alias Name:	6008-013-024
Alias Type:	APN
Alias Name:	6008-013-025
Alias Type:	APN
Alias Name:	6008-013-026
Alias Type:	APN
Alias Name:	6008-013-027
Alias Type:	APN
Alias Name:	6008-013-028
Alias Type:	APN
Alias Name:	6008-013-029
Alias Type:	APN
Alias Name:	6008-013-030
Alias Type:	APN
Alias Name:	6008-013-031
Alias Type:	APN
Alias Name:	6008-013-032
Alias Type:	APN
Alias Name:	6008-013-033
Alias Type:	APN
Alias Name:	6008-013-034
Alias Type:	APN
Alias Name:	6008-013-035
Alias Type:	APN
Alias Name:	6008-013-036
Alias Type:	APN
Alias Name:	6008-013-800
Alias Type:	APN
Alias Name:	6008-014-038
Alias Type:	APN
Alias Name:	6008-014-043

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Alias Type:	APN
Alias Name:	6008-014-045
Alias Type:	APN
Alias Name:	6008-014-046
Alias Type:	APN
Alias Name:	6008-014-047
Alias Type:	APN
Alias Name:	6008-014-048
Alias Type:	APN
Alias Name:	6008-015-001
Alias Type:	APN
Alias Name:	6008-015-002
Alias Type:	APN
Alias Name:	6008-015-003
Alias Type:	APN
Alias Name:	6008-015-004
Alias Type:	APN
Alias Name:	6008-015-005
Alias Type:	APN
Alias Name:	6008-015-006
Alias Type:	APN
Alias Name:	6008-015-007
Alias Type:	APN
Alias Name:	6008-015-008
Alias Type:	APN
Alias Name:	6008-015-009
Alias Type:	APN
Alias Name:	6008-015-010
Alias Type:	APN
Alias Name:	6008-015-011
Alias Type:	APN
Alias Name:	6008-015-013
Alias Type:	APN
Alias Name:	6008-015-017
Alias Type:	APN
Alias Name:	6008-015-018
Alias Type:	APN
Alias Name:	6008-015-019
Alias Type:	APN
Alias Name:	6008-015-020
Alias Type:	APN
Alias Name:	6008-015-021
Alias Type:	APN
Alias Name:	6008-015-022
Alias Type:	APN
Alias Name:	6008-015-023
Alias Type:	APN
Alias Name:	6008-015-024
Alias Type:	APN
Alias Name:	6008-015-025
Alias Type:	APN
Alias Name:	6008-015-026
Alias Type:	APN
Alias Name:	6008-015-027
Alias Type:	APN
Alias Name:	6008-015-028
Alias Type:	APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Alias Name: 6008-015-029
Alias Type: APN
Alias Name: 6008-015-030
Alias Type: APN
Alias Name: 6008-015-031
Alias Type: APN
Alias Name: 6008-015-032
Alias Type: APN
Alias Name: 6008-015-033
Alias Type: APN
Alias Name: 6008-015-034
Alias Type: APN
Alias Name: 6008-015-035
Alias Type: APN
Alias Name: 6008-015-036
Alias Type: APN
Alias Name: 6008-015-038
Alias Type: APN
Alias Name: 6008-016-900
Alias Type: APN
Alias Name: 110033612936
Alias Type: EPA (FRS #)
Alias Name: 304491
Alias Type: Project Code (Site Code)
Alias Name: 60000076
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/28/2010
Comments: DTSC certified that the response action according to the DTSC-approved RAP is complete. Operation and Maintenance in the form of Land Use Restrictions is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimates Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/28/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 09/18/2007
Comments: Master SCA Amended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/14/2007
Comments: During the site visit, the Geologist collected soil samples around the perimeter of the building to verify that PAHs were not present in the soils from the building fire.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/25/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 02/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 01/30/2012
Comments: DTSC approved the annual inspection report with no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 03/11/2013
Comments: DTSC approved the report as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 04/14/2014
Comments: DTSC approved the annual LUC inspection report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/02/2005
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/09/2006
Comments: Issued Supplemental Site Investigation approval letter with Further Action determination due to Lead-Based Paint.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 05/15/2006
Comments: Issued the letter version of comments. The first set of comments were issued via electronic e-mail due to Los Angeles Unified School District expedited construction schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/31/2008
Comments: Issued the Final Remedial Action Plan (RAP) approval letter. In order to provide the public an opportunity to review and comment on the draft RAP, IS and Negative Declaration (ND), the documents were made available for public review. A 30-day public comment period for the RAP was held from September 14, 2007 through October 15, 2007 with a public meeting held on October 2, 2007. DTSC received comments from four parties during the first public comment period and prepared a response to comments. A second 30-day public comment period for the RAP, IS and ND was held from December 28, 2007 through January 28, 2008. DTSC did not receive comments during the extended comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 08/16/2006
Comments: Approved the Technical Memorandum via electronic mail with comments on the groundwater table depths in the area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 09/25/2006
Comments: Approved the revised Groundwater Monitoring Installation-Technical Memorandum via electronic mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/07/2007
Comments: Issued Supplemental Site Investigation approval letter for lead-based paint.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/21/2007
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/13/2007
Comments: Approved the Groundwater Monitoring Well Installation-Technical Memorandum via electronic mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/12/2007
Comments: Issued a letter that outlines the action items that DTSC and LAUSD agreed upon during the RAP meeting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 11/09/2007
Comments: Issued Remedial Design Document(RDD)approval letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 09/17/2007
Comments: DTSC and LAUSD signed and approved Form 4.15 8/17/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/14/2007
Comments: LAUSD submitted a Fact Sheet for the RAP proposed cleanup plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2007
Comments: The team reviewed the Ground Water Monitoring Report and concurs additional groundwater sampling is not necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/15/2007
Comments: Team has reviewed the pipeline removal workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/20/2007
Comments: Approved the public comment extension post card. The public comment period dates are from 12/27/07 - 1/27/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/20/2007
Comments: Approved the Public Notice. The public comment period starts 12/27/07

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

and ends 1/28/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/19/2008
Comments: Approved the RACR for the residential and northern commercial areas. Approximately 6,622 cubic yards of arsenic, lead and TPH impacted soil were excavated and transported as non-RCRA waste. In addition, 333 cubic yards were transported offsite as RCRA hazardous waste.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/19/2008
Comments: On June 19, 2008 approved the RACR for the Southern Commercial, H.C. Lien Rubber, and Gage Parcel Areas. Approximately 43,165 cubic yards of impacted soil were excavated offsite as non-RCRA. In addition, 942 cubic yards of impacted soil was transported offsite as RCRA hazardous waste.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/31/2008
Comments: Approved the RACR No. 3 for the pipeline assessment and Gage parcel areas. RACR No. 3 is the third and final RACR for the site. RACR No. 3 documents the excavation and offsite disposal for 60,439 cubic yards of TPH and VOCs impacted soil as non-RCRA waste. As part of the approved remedy an Operation Maintenance and Monitoring Plan (OMMP) was prepared for supplemental vapor monitoring necessary for evaluating potential VOCs and TPH migration from off-site sources. In addition, LAUSD prepared a OMMP and Land Use Covenant (LUC) for the inspecting and monitoring arsenic impacted soil remaining on-site at 15 feet below ground surface on the Gage parcel.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/09/2008
Comments: The Vapor Barrier Application Technical Memorandum provides a description for the proposed design and installation of the vapor barrier. The Technical Memorandum was submitted for the DTSC administrative record.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/01/2008
Comments: Approved the Clarifier Removal Closure Report based on confirmation soil sampling and soil gas conducted at Lot 196.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2008
Comments: Approved the UST Closure Report for the removal of six UST tanks.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2008
Comments: Approved the UST Closure Report for the removal of one 100-gallon single wall UST tank.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 07/07/2008
Comments: Received a letter from LADPW requesting the DTSC take the lead agency role for the underground storage tank investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/20/2008
Comments: Reviewed the Technical Memorandum for background information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/14/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/06/2011
Comments: DTSC concurred with the report provided the District addresses attached comments during field work/next report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/01/2011
Comments: DTSC reviewed the O&M report and had no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/03/2011
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/25/2012
Comments: DTSC reviewed the O&M report with no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/24/2012
Comments: DTSC approved the O&M report without any comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/11/2013
Comments: DTSC requested continuation of the soil gas O&M program on a semi-annual basis.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/11/2013
Comments: DTSC requested continuation of soil gas O&M program on a semi-annual basis.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/31/2013
Comments: Additional sampling will be conducted to verify the VOCs are not onsite

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2014
Comments: DTSC approved the vapor probe installation and sampling report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2014
Comments: DTSC approved the monitoring report with a NFA determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 02/23/2015
Comments: DTSC reviewed the combined annual inspection report and 5-year review report and finds the remedy to be protective of human health and the environment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 05/04/2016
Comments: DTSC approved the annual land use covenant inspection report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/09/2015
Comments: DTSC approved the combined 2014 LUC annual inspection and 5-year review report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/14/2009
Comments: DSTC referred the offsite pipelines to the RWQCB for followup

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/18/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 11/09/2007
Comments: Negative Declaration and Notice of Determination approved. Final RAP approved also for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 08/02/2010
Comments: DTSC recorded a land use covenant with the County of Los Angeles

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000076
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 15.91
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304491
Assembly: 59
Senate: 33

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Special Program Status: Not reported
Status: Certified O&M - Land Use Restrictions Only
Status Date: 05/07/2014
Restricted Use: YES
Funding: School District
Latitude: 33.9833
Longitude: -118.2545
APN: 6008-013-003, 6008-013-004, 6008-013-005, 6008-013-006, 6008-013-007, 6008-013-008, 6008-013-009, 6008-013-010, 6008-013-011, 6008-013-012, 6008-013-013, 6008-013-014, 6008-013-015, 6008-013-016, 6008-013-017, 6008-013-020, 6008-013-021, 6008-013-022, 6008-013-023, 6008-013-024, 6008-013-025, 6008-013-026, 6008-013-027, 6008-013-028, 6008-013-029, 6008-013-030, 6008-013-031, 6008-013-032, 6008-013-033, 6008-013-034, 6008-013-035, 6008-013-036, 6008-013-800, 6008-014-038, 6008-014-043, 6008-014-045, 6008-014-046, 6008-014-047, 6008-014-048, 6008-015-001, 6008-015-002, 6008-015-003, 6008-015-004, 6008-015-005, 6008-015-006, 6008-015-007, 6008-015-008, 6008-015-009, 6008-015-010, 6008-015-011, 6008-015-013, 6008-015-017, 6008-015-018, 6008-015-019, 6008-015-020, 6008-015-021, 6008-015-022, 6008-015-023, 6008-015-024, 6008-015-025, 6008-015-026, 6008-015-027, 6008-015-028, 6008-015-029, 6008-015-030, 6008-015-031, 6008-015-032, 6008-015-033, 6008-015-034, 6008-015-035, 6008-015-036, 6008-015-038, 6008-016-900
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, RAILROAD RIGHT OF WAY, RECYCLING - SCRAP METAL
Potential COC: Arsenic, Benzene, Lead, Tetrachloroethylene (PCE, TPH-gas, Cadmium and compounds, Copper and compounds, Ethylbenzene, Molybdenum, Nickel, Toluene, Xylenes, Zinc
Confirmed COC: Toluene, Tetrachloroethylene (PCE, TPH-gas, Cadmium and compounds, Chromium III, Chromium VI, Copper and compounds, Ethylbenzene, Molybdenum, Nickel, Arsenic, Benzene, Lead, Xylenes, Zinc
Potential Description: IA, OTH, SOIL, SV
Alias Name: Diego Rivera Learning Complex
Alias Type: Alternate Name
Alias Name: LAUSD-PRPSD SOUTH REGION HS #2 SITE #8
Alias Type: Alternate Name
Alias Name: SRHS 2
Alias Type: Alternate Name
Alias Name: SRHS#2-Public Services Community School
Alias Type: Alternate Name
Alias Name: 6008-013-003
Alias Type: APN
Alias Name: 6008-013-004
Alias Type: APN
Alias Name: 6008-013-005
Alias Type: APN
Alias Name: 6008-013-006
Alias Type: APN
Alias Name: 6008-013-007
Alias Type: APN
Alias Name: 6008-013-008
Alias Type: APN
Alias Name: 6008-013-009
Alias Type: APN
Alias Name: 6008-013-010
Alias Type: APN
Alias Name: 6008-013-011
Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Alias Name:	6008-013-012
Alias Type:	APN
Alias Name:	6008-013-013
Alias Type:	APN
Alias Name:	6008-013-014
Alias Type:	APN
Alias Name:	6008-013-015
Alias Type:	APN
Alias Name:	6008-013-016
Alias Type:	APN
Alias Name:	6008-013-017
Alias Type:	APN
Alias Name:	6008-013-020
Alias Type:	APN
Alias Name:	6008-013-021
Alias Type:	APN
Alias Name:	6008-013-022
Alias Type:	APN
Alias Name:	6008-013-023
Alias Type:	APN
Alias Name:	6008-013-024
Alias Type:	APN
Alias Name:	6008-013-025
Alias Type:	APN
Alias Name:	6008-013-026
Alias Type:	APN
Alias Name:	6008-013-027
Alias Type:	APN
Alias Name:	6008-013-028
Alias Type:	APN
Alias Name:	6008-013-029
Alias Type:	APN
Alias Name:	6008-013-030
Alias Type:	APN
Alias Name:	6008-013-031
Alias Type:	APN
Alias Name:	6008-013-032
Alias Type:	APN
Alias Name:	6008-013-033
Alias Type:	APN
Alias Name:	6008-013-034
Alias Type:	APN
Alias Name:	6008-013-035
Alias Type:	APN
Alias Name:	6008-013-036
Alias Type:	APN
Alias Name:	6008-013-800
Alias Type:	APN
Alias Name:	6008-014-038
Alias Type:	APN
Alias Name:	6008-014-043
Alias Type:	APN
Alias Name:	6008-014-045
Alias Type:	APN
Alias Name:	6008-014-046
Alias Type:	APN
Alias Name:	6008-014-047

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Alias Type:	APN
Alias Name:	6008-014-048
Alias Type:	APN
Alias Name:	6008-015-001
Alias Type:	APN
Alias Name:	6008-015-002
Alias Type:	APN
Alias Name:	6008-015-003
Alias Type:	APN
Alias Name:	6008-015-004
Alias Type:	APN
Alias Name:	6008-015-005
Alias Type:	APN
Alias Name:	6008-015-006
Alias Type:	APN
Alias Name:	6008-015-007
Alias Type:	APN
Alias Name:	6008-015-008
Alias Type:	APN
Alias Name:	6008-015-009
Alias Type:	APN
Alias Name:	6008-015-010
Alias Type:	APN
Alias Name:	6008-015-011
Alias Type:	APN
Alias Name:	6008-015-013
Alias Type:	APN
Alias Name:	6008-015-017
Alias Type:	APN
Alias Name:	6008-015-018
Alias Type:	APN
Alias Name:	6008-015-019
Alias Type:	APN
Alias Name:	6008-015-020
Alias Type:	APN
Alias Name:	6008-015-021
Alias Type:	APN
Alias Name:	6008-015-022
Alias Type:	APN
Alias Name:	6008-015-023
Alias Type:	APN
Alias Name:	6008-015-024
Alias Type:	APN
Alias Name:	6008-015-025
Alias Type:	APN
Alias Name:	6008-015-026
Alias Type:	APN
Alias Name:	6008-015-027
Alias Type:	APN
Alias Name:	6008-015-028
Alias Type:	APN
Alias Name:	6008-015-029
Alias Type:	APN
Alias Name:	6008-015-030
Alias Type:	APN
Alias Name:	6008-015-031
Alias Type:	APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Alias Name: 6008-015-032
Alias Type: APN
Alias Name: 6008-015-033
Alias Type: APN
Alias Name: 6008-015-034
Alias Type: APN
Alias Name: 6008-015-035
Alias Type: APN
Alias Name: 6008-015-036
Alias Type: APN
Alias Name: 6008-015-038
Alias Type: APN
Alias Name: 6008-016-900
Alias Type: APN
Alias Name: 110033612936
Alias Type: EPA (FRS #)
Alias Name: 304491
Alias Type: Project Code (Site Code)
Alias Name: 60000076
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/28/2010
Comments: DTSC certified that the response action according to the DTSC-approved RAP is complete. Operation and Maintenance in the form of Land Use Restrictions is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimates Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/28/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 09/18/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Comments: Master SCA Amended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/14/2007
Comments: During the site visit, the Geologist collected soil samples around the perimeter of the building to verify that PAHs were not present in the soils from the building fire.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/25/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 02/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 01/30/2012
Comments: DTSC approved the annual inspection report with no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 03/11/2013
Comments: DTSC approved the report as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 04/14/2014
Comments: DTSC approved the annual LUC inspection report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/02/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/09/2006
Comments: Issued Supplemental Site Investigation approval letter with Further

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Action determination due to Lead-Based Paint.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 05/15/2006
Comments: Issued the letter version of comments. The first set of comments were issued via electronic e-mail due to Los Angeles Unified School District expedited construction schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/31/2008
Comments: Issued the Final Remedial Action Plan (RAP) approval letter. In order to provide the public an opportunity to review and comment on the draft RAP, IS and Negative Declaration (ND), the documents were made available for public review. A 30-day public comment period for the RAP was held from September 14, 2007 through October 15, 2007 with a public meeting held on October 2, 2007. DTSC received comments from four parties during the first public comment period and prepared a response to comments. A second 30-day public comment period for the RAP, IS and ND was held from December 28, 2007 through January 28, 2008. DTSC did not receive comments during the extended comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 08/16/2006
Comments: Approved the Technical Memorandum via electronic mail with comments on the groundwater table depths in the area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 09/25/2006
Comments: Approved the revised Groundwater Monitoring Installation-Technical Memorandum via electronic mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/07/2007
Comments: Issued Supplemental Site Investigation approval letter for lead-based paint.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/21/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/13/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Comments: Approved the Groundwater Monitoring Well Installation-Technical Memorandum via electronic mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/12/2007
Comments: Issued a letter that outlines the action items that DTSC and LAUSD agreed upon during the RAP meeting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 11/09/2007
Comments: Issued Remedial Design Document(RDD)approval letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 09/17/2007
Comments: DTSC and LAUSD signed and approved Form 4.15 8/17/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/14/2007
Comments: LAUSD submitted a Fact Sheet for the RAP proposed cleanup plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2007
Comments: The team reviewed the Ground Water Monitoring Report and concurs additional groundwater sampling is not necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/15/2007
Comments: Team has reviewed the pipeline removal workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/20/2007
Comments: Approved the public comment extension post card. The public comment period dates are from 12/27/07 - 1/27/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/20/2007
Comments: Approved the Public Notice. The public comment period starts 12/27/07 and ends 1/28/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Completed Document Type: Removal Action Completion Report
Completed Date: 05/19/2008
Comments: Approved the RACR for the residential and northern commercial areas. Approximately 6,622 cubic yards of arsenic, lead and TPH impacted soil were excavated and transported as non-RCRA waste. In addition, 333 cubic yards were transported offsite as RCRA hazardous waste.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/19/2008
Comments: On June 19, 2008 approved the RACR for the Southern Commercial, H.C. Lien Rubber, and Gage Parcel Areas. Approximately 43,165 cubic yards of impacted soil were excavated offsite as non-RCRA. In addition, 942 cubic yards of impacted soil was transported offsite as RCRA hazardous waste.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/31/2008
Comments: Approved the RACR No. 3 for the pipeline assessment and Gage parcel areas. RACR No. 3 is the third and final RACR for the site. RACR No. 3 documents the excavation and offsite disposal for 60,439 cubic yards of TPH and VOCs impacted soil as non-RCRA waste. As part of the approved remedy an Operation Maintenance and Monitoring Plan (OMMP) was prepared for supplemental vapor monitoring necessary for evaluating potential VOCs and TPH migration from off-site sources. In addition, LAUSD prepared a OMMP and Land Use Covenant (LUC) for the inspecting and monitoring arsenic impacted soil remaining on-site at 15 feet below ground surface on the Gage parcel.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/09/2008
Comments: The Vapor Barrier Application Technical Memorandum provides a description for the proposed design and installation of the vapor barrier. The Technical Memorandum was submitted for the DTSC administrative record.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/01/2008
Comments: Approved the Clarifier Removal Closure Report based on confirmation soil sampling and soil gas conducted at Lot 196.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2008
Comments: Approved the UST Closure Report for the removal of six UST tanks.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Completed Date: 07/17/2008
Comments: Approved the UST Closure Report for the removal of one 100-gallon single wall UST tank.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 07/07/2008
Comments: Received a letter from LADPW requesting the DTSC take the lead agency role for the underground storage tank investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/20/2008
Comments: Reviewed the Technical Memorandum for background information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/14/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/06/2011
Comments: DTSC concurred with the report provided the District addresses attached comments during field work/next report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/01/2011
Comments: DTSC reviewed the O&M report and had no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/03/2011
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/25/2012
Comments: DTSC reviewed the O&M report with no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/24/2012
Comments: DTSC approved the O&M report without any comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/11/2013
Comments: DTSC requested continuation of the soil gas O&M program on a semi-annual basis.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/11/2013
Comments: DTSC requested continuation of soil gas O&M program on a semi-annual basis.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/31/2013
Comments: Additional sampling will be conducted to verify the VOCs are not onsite

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2014
Comments: DTSC approved the vapor probe installation and sampling report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2014
Comments: DTSC approved the monitoring report with a NFA determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 02/23/2015
Comments: DTSC reviewed the combined annual inspection report and 5-year review report and finds the remedy to be protective of human health and the environment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 05/04/2016
Comments: DTSC approved the annual land use covenant inspection report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/09/2015
Comments: DTSC approved the combined 2014 LUC annual inspection and 5-year

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HS #2, SITE #8 (Continued)

S107735776

review report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/14/2009
Comments: DSTC referred the offsite pipelines to the RWQCB for followup

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/18/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 11/09/2007
Comments: Negative Declaration and Notice of Determination approved. Final RAP approved also for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 08/02/2010
Comments: DTSC recorded a land use covenant with the County of Los Angeles

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 60000076
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: SCHOOL CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 08/02/2010

40
North
1/2-1
0.954 mi.
5038 ft.

TROJAN METAL PRODUCTS INC
735 E GAGE AVE
LOS ANGELES, CA 90001

RCRA-SQG **1000265388**
ENVIROSTOR **CAD076223619**
FINDS
ECHO
EMI
HAZNET

Relative:
Higher

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: TROJAN METAL PRODUCTS INC

Actual:
161 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TROJAN METAL PRODUCTS INC (Continued)

1000265388

Facility address: 735 E GAGE AVE
LOS ANGELES, CA 90001
EPA ID: CAD076223619
Mailing address: E GAGE AVE
LOS ANGELES, CA 90001
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: TROJAN METAL PRODUCTS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TROJAN METAL PRODUCTS INC (Continued)

1000265388

Violation Status: No violations found

ENVIROSTOR:

Facility ID: 60002328
Status: Active
Status Date: 03/15/2016
Site Code: 301751
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Narine Aghakiant
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: , 59
Senate: , 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98231
Longitude: -118.2617
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301751
Alias Type: Project Code (Site Code)
Alias Name: 60002328
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/17/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

FINDS:

Registry ID: 110002658357

Environmental Interest/Information System
HAZARDOUS AIR POLLUTANT MAJOR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TROJAN METAL PRODUCTS INC (Continued)

1000265388

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000265388
Registry ID: 110002658357
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002658357>

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 10366
Air District Name: SC
SIC Code: 3444
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19
Reactive Organic Gases Tons/Yr: 8
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 10366
Air District Name: SC
SIC Code: 3444
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 10366
Air District Name: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TROJAN METAL PRODUCTS INC (Continued)

1000265388

SIC Code: 3444
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HAZNET:

envid: 1000265388
Year: 1995
GEPAID: CAD076223619
Contact: TROJAN METAL PRODUCTS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 735 E GAGE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: .1500
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000265388
Year: 1995
GEPAID: CAD076223619
Contact: TROJAN METAL PRODUCTS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 735 E GAGE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: .1251
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000265388
Year: 1995
GEPAID: CAD076223619
Contact: TROJAN METAL PRODUCTS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 735 E GAGE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TROJAN METAL PRODUCTS INC (Continued)

1000265388

Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Transfer Station
Tons: .2293
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000265388
Year: 1994
GEPAID: CAD076223619
Contact: TROJAN METAL PRODUCTS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 735 E GAGE AVE
Mailing City,St,Zip: LOS ANGELES, CA 900010000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: 4.8789
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

41
ESE
1/2-1
0.972 mi.
5133 ft.

PRPSD CHARTER SCHOOL AT 8145 & 8205 BEACH ST.
8145 AND 8205 BEACH STREET
LOS ANGELES, CA 90001

ENVIROSTOR **S112205491**
SCH **N/A**

Relative:
Lower

ENVIROSTOR:
Facility ID: 60001832
Status: No Further Action
Status Date: 05/06/2013
Site Code: 404882
Site Type: School Investigation
Site Type Detailed: School
Acres: 3
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 52
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.96468
Longitude: -118.2420
APN: 6027-015-003, 6027-015-004

Actual:
137 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRPSD CHARTER SCHOOL AT 8145 & 8205 BEACH ST. (Continued)

S112205491

Past Use: MANUFACTURING - LUMBER/WOOD PRODUCTS, RETAIL, UNDERGROUND STORAGE TANKS
Potential COC: Under Investigation
Confirmed COC: 31001-NO
Potential Description: UE
Alias Name: Green Dot Charter School
Alias Type: Alternate Name
Alias Name: Proposed Charter School
Alias Type: Alternate Name
Alias Name: 6027-015-003
Alias Type: APN
Alias Name: 6027-015-004
Alias Type: APN
Alias Name: 404882
Alias Type: Project Code (Site Code)
Alias Name: 60001832
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 01/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/16/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/27/2012
Comments: Fully executed EOA send (FedEx) to Green Dot.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60001832
Site Type: School Investigation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRPSD CHARTER SCHOOL AT 8145 & 8205 BEACH ST. (Continued)

S112205491

Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404882
Assembly: 52
Senate: 33
Special Program Status: Not reported
Status: No Further Action
Status Date: 05/06/2013
Restricted Use: NO
Funding: Responsible Party
Latitude: 33.96468
Longitude: -118.2420
APN: 6027-015-003, 6027-015-004
Past Use: MANUFACTURING - LUMBER/WOOD PRODUCTS, RETAIL, UNDERGROUND STORAGE TANKS

Potential COC: Under Investigation
Confirmed COC: 31001-NO
Potential Description: UE
Alias Name: Green Dot Charter School
Alias Type: Alternate Name
Alias Name: Proposed Charter School
Alias Type: Alternate Name
Alias Name: 6027-015-003
Alias Type: APN
Alias Name: 6027-015-004
Alias Type: APN
Alias Name: 404882
Alias Type: Project Code (Site Code)
Alias Name: 60001832
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 01/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/16/2013
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRPSD CHARTER SCHOOL AT 8145 & 8205 BEACH ST. (Continued)

S112205491

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/27/2012
Comments: Fully executed EOA send (FedEx) to Green Dot.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

I42
North
1/2-1
0.989 mi.
5221 ft.

MODINE WESTERN INC.
6309 SOUTH CENTRAL AVENUE
LOS ANGELES, CA 90001

ENVIROSTOR S117038731
N/A

Site 2 of 3 in cluster I

Relative:
Higher

ENVIROSTOR:

Actual:
163 ft.

Facility ID: 60002092
Status: Inactive - Needs Evaluation
Status Date: 09/09/2014
Site Code: 301088
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Folashade Simpson
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: Not reported
Senate: Not reported
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301088
Alias Type: Project Code (Site Code)
Alias Name: 60002092
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MODINE WESTERN INC. (Continued)

S117038731

Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

I43
North
1/2-1
0.989 mi.
5221 ft.

ESKIMO RADIATOR
6309 SOUTH CENTRAL AVENUE
LOS ANGELES, CA 90001

CA BOND EXP. PLAN **S100833379**
N/A

Site 3 of 3 in cluster I

Relative:
Higher

CA BOND EXP. PLAN:

Actual:
163 ft.

Reponsible Party: DETAILED SITE EXPENDITURE PLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: The RPs have been found to be in noncompliance with an order issued by the Department. Therefore, it will be necessary to utilize Bond funds to remediate this site. DHS will undertake appropriate cost recovery actions. This site has not been identified as a National Priorities List (NPL) site, nor does it appear to be a likely NPL Candidate in the future. Therefore, it appears unlikely that federal funds are a viable source of revenue for this site.

Site Description: Eskimo Radiator is a manufacturer of radiators, primarily for automobiles.
Hazardous Waste Desc: Three successive interim status inspections noted poor waste handling practices associated with the treatment/storage area of the facility. Hydrobromic acid flux from the soldering operation had been neutralized with lime in open steel tanks prior to transportation for offsite disposal. Miscellaneous materials were also stored in this area. Levels of zinc and lead, significantly above background, have been detected in soil samples.
Not reported
Not reported
T
Not reported
Not reported
T

Threat To Public Health & Env: The area of contamination is relatively small and may be underlain by concrete and/or asphalt paving. There is some potential for direct contact exposure by migration of airborne particulates or ingestion of site soils.

Site Activity Status: The contaminated area was excavated in November, 1984; the soil was disposed of at a Class 1 landfill. Post excavation sampling revealed residual contamination. The Department found the RP in noncompliance with the RAO in July, 1988. The Department has finalized the RAP and will conduct the remaining excavation work. The RP has filed a Writ of Mandate, challenging the recommended remediation. Therefore, the RAP implementation may be delayed.

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES	S108195973	SOUTH REGION HIGH SCHOOL #12, SITE	E. 87TH STREET/S. AVALON BOULE	90003	ENVIROSTOR, SCH, DEED
LOS ANGELES	S107737378	SOUTH REGION ES #1 SITE 5 5640014	WEST 90TH STREET/SOUTH MAIN ST	90003	ENVIROSTOR, SCH
LOS ANGELES	S110711857	SOUTH CENTRAL DISCOVERY PROJECT	SOUTH CENTRAL LOS ANGELES AREA	90001	RESPONSE, ENVIROSTOR
LOS ANGELES	S107737379	SOUTH REGION ES #2, SITE 6A 564001	S. CENTRAL/EAST FLORENCE	90001	ENVIROSTOR, SCH
LOS ANGELES	S108723965		VACANT LOT BEHIND 6515 S MCKIN	90001	CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/25/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 05/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 05/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 05/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 05/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 05/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/29/2017

Next Scheduled EDR Contact: 07/10/2017

Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2017

Date Data Arrived at EDR: 01/31/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 112

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 05/02/2017

Next Scheduled EDR Contact: 08/14/2017

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2017

Date Data Arrived at EDR: 01/31/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 112

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 05/02/2017

Next Scheduled EDR Contact: 08/14/2017

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/13/2017

Date Data Arrived at EDR: 02/15/2017

Date Made Active in Reports: 05/02/2017

Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/17/2017

Next Scheduled EDR Contact: 08/28/2017

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3372
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-6597
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-7439
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6271
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 05/02/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 57

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/16/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 03/24/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-6136
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6137
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/06/2016	Source: EPA Region 9
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3368
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016	Source: EPA, Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/27/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/31/2017	Telephone: 916-323-3400
Date Made Active in Reports: 05/23/2017	Last EDR Contact: 05/02/2017
Number of Days to Update: 112	Next Scheduled EDR Contact: 08/14/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/13/2017
Date Data Arrived at EDR: 01/17/2017
Date Made Active in Reports: 05/31/2017
Number of Days to Update: 134

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 54

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/06/2017	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/07/2017	Telephone: 916-323-3400
Date Made Active in Reports: 05/23/2017	Last EDR Contact: 06/06/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 03/29/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/06/2016	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/25/2017	Telephone: 916-845-8400
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 105	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 05/02/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 05/02/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/06/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/10/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/19/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/19/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 05/08/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/05/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/05/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/28/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/06/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/04/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 35

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 04/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 05/24/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/22/2017	Source: EPA
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-385-6164
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 05/24/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/28/2016	Telephone: 916-323-3400
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 03/29/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/09/2017	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 04/11/2017	Telephone: 916-327-4498
Date Made Active in Reports: 05/23/2017	Last EDR Contact: 06/02/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014	Source: California Air Resources Board
Date Data Arrived at EDR: 09/23/2016	Telephone: 916-322-2990
Date Made Active in Reports: 10/24/2016	Last EDR Contact: 03/21/2017
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/03/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/23/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/27/2017	Telephone: 916-445-9379
Date Made Active in Reports: 05/25/2017	Last EDR Contact: 04/24/2017
Number of Days to Update: 118	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/29/2016	Telephone: 916-255-3628
Date Made Active in Reports: 06/21/2016	Last EDR Contact: 06/02/2017
Number of Days to Update: 53	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2017	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/17/2017	Telephone: 916-341-6066
Date Made Active in Reports: 05/25/2017	Last EDR Contact: 05/15/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/12/2016	Telephone: 916-255-1136
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 04/14/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/22/2016	Telephone: 877-786-9427
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 05/24/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2017
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 04/26/2017
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/13/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/03/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 31

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 94

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 02/23/2017
Date Data Arrived at EDR: 02/24/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 77

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List Cupa Facility list

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/24/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 73

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/06/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 40

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/20/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 57

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/09/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 77

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/17/2017
Date Data Arrived at EDR: 04/18/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 14

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/17/2017
Date Data Arrived at EDR: 01/18/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 112

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/10/2017

Date Data Arrived at EDR: 01/13/2017

Date Made Active in Reports: 05/03/2017

Number of Days to Update: 110

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Last EDR Contact: 04/10/2017

Next Scheduled EDR Contact: 07/24/2017

Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/03/2017

Date Data Arrived at EDR: 03/07/2017

Date Made Active in Reports: 05/17/2017

Number of Days to Update: 71

Source: Madera County Environmental Health

Telephone: 559-675-7823

Last EDR Contact: 05/22/2017

Next Scheduled EDR Contact: 09/04/2017

Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 03/31/2017

Date Data Arrived at EDR: 04/06/2017

Date Made Active in Reports: 05/03/2017

Number of Days to Update: 27

Source: Public Works Department Waste Management

Telephone: 415-499-6647

Last EDR Contact: 03/31/2017

Next Scheduled EDR Contact: 07/17/2017

Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/22/2017

Date Data Arrived at EDR: 02/23/2017

Date Made Active in Reports: 05/17/2017

Number of Days to Update: 83

Source: Merced County Environmental Health

Telephone: 209-381-1094

Last EDR Contact: 06/02/2017

Next Scheduled EDR Contact: 09/04/2017

Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 02/21/2017

Date Data Arrived at EDR: 03/02/2017

Date Made Active in Reports: 05/17/2017

Number of Days to Update: 76

Source: Mono County Health Department

Telephone: 760-932-5580

Last EDR Contact: 05/24/2017

Next Scheduled EDR Contact: 09/11/2017

Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 54

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 96

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2017

Date Data Arrived at EDR: 02/07/2017

Date Made Active in Reports: 05/03/2017

Number of Days to Update: 85

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 05/09/2017

Next Scheduled EDR Contact: 08/21/2017

Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016

Date Data Arrived at EDR: 09/06/2016

Date Made Active in Reports: 10/14/2016

Number of Days to Update: 38

Source: Placer County Health and Human Services

Telephone: 530-745-2363

Last EDR Contact: 06/02/2017

Next Scheduled EDR Contact: 09/18/2017

Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 01/31/2017

Date Data Arrived at EDR: 02/03/2017

Date Made Active in Reports: 05/25/2017

Number of Days to Update: 111

Source: Plumas County Environmental Health

Telephone: 530-283-6355

Last EDR Contact: 06/02/2017

Next Scheduled EDR Contact: 08/07/2017

Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/18/2017

Date Data Arrived at EDR: 04/20/2017

Date Made Active in Reports: 04/21/2017

Number of Days to Update: 1

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/20/2017

Next Scheduled EDR Contact: 07/03/2017

Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/19/2017

Date Data Arrived at EDR: 01/25/2017

Date Made Active in Reports: 05/03/2017

Number of Days to Update: 98

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/20/2017

Next Scheduled EDR Contact: 07/03/2017

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 105

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/28/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 62

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/21/2017
Date Data Arrived at EDR: 03/23/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 47

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 02/21/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 91

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/15/2017

Date Data Arrived at EDR: 04/07/2017

Date Made Active in Reports: 05/10/2017

Number of Days to Update: 33

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 03/09/2017

Next Scheduled EDR Contact: 06/26/2017

Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2017

Date Data Arrived at EDR: 04/07/2017

Date Made Active in Reports: 04/21/2017

Number of Days to Update: 14

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 03/27/2017

Next Scheduled EDR Contact: 06/26/2017

Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011

Date Data Arrived at EDR: 09/09/2011

Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167

Last EDR Contact: 05/22/2017

Next Scheduled EDR Contact: 09/04/2017

Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 02/22/2017

Date Data Arrived at EDR: 02/23/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 89

Source: Department of Environmental Health

Telephone: 408-918-1973

Last EDR Contact: 05/22/2017

Next Scheduled EDR Contact: 09/04/2017

Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005

Date Data Arrived at EDR: 03/30/2005

Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 05/24/2017

Next Scheduled EDR Contact: 09/11/2017

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2017
Date Data Arrived at EDR: 03/30/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 54

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 01/24/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 114

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 113

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa program facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 103

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2017

Date Data Arrived at EDR: 03/15/2017

Date Made Active in Reports: 05/03/2017

Number of Days to Update: 49

Source: Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 03/15/2017

Next Scheduled EDR Contact: 06/26/2017

Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/31/2017

Date Data Arrived at EDR: 04/06/2017

Date Made Active in Reports: 05/03/2017

Number of Days to Update: 27

Source: Yolo County Department of Health

Telephone: 530-666-8646

Last EDR Contact: 03/31/2017

Next Scheduled EDR Contact: 07/17/2017

Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 01/30/2017

Date Data Arrived at EDR: 01/31/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 112

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 05/01/2017

Next Scheduled EDR Contact: 08/14/2017

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013

Date Data Arrived at EDR: 08/19/2013

Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 05/15/2017

Next Scheduled EDR Contact: 08/28/2017

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 01/03/2017

Number of Days to Update: 96

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/11/2017

Next Scheduled EDR Contact: 07/24/2017

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MCKINLEY AVENUE ELEMENTARY SCHOOL
7812 MCKINLEY AVE
LOS ANGELES, CA 90001

TARGET PROPERTY COORDINATES

Latitude (North):	33.96796 - 33° 58' 4.66"
Longitude (West):	118.259675 - 118° 15' 34.83"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	383621.9
UTM Y (Meters):	3759124.0
Elevation:	140 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640440 INGLEWOOD, CA
Version Date:	2012
Southeast Map:	5633765 SOUTH GATE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

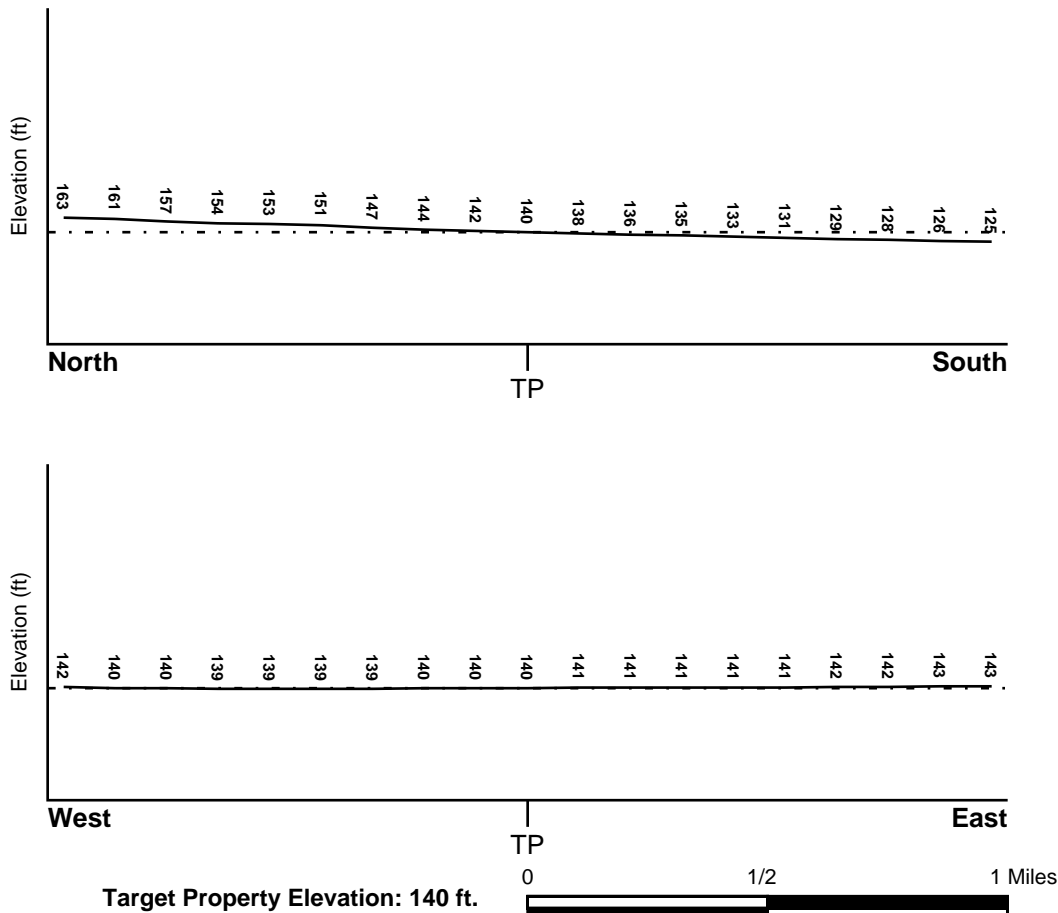
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1785F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06037C1805F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
INGLEWOOD	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
3	1/2 - 1 Mile SW	Not Reported
4	1/2 - 1 Mile WNW	NW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000139496	1/2 - 1 Mile North
2	USGS40000139354	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION






<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

[illegible]

-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location
-  Closest Hydrogeological Data
-  Oil, gas or related wells

CLIENT: Rincon
CONTACT: Meghan Hearne
INQUIRY #: 04959892.2r
DATE: June 07, 2017 8:30 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
North
1/2 - 1 Mile
Higher

FED USGS USGS40000139496

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335843118153301		
Monloc name:	002S013W20R004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9786258
Longitude:	-118.2600735	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	584
Welldepth units:	ft	Wellholedepth:	700
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
East
1/2 - 1 Mile
Higher

FED USGS USGS40000139354

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335803118144001		
Monloc name:	002S013W28G002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9675149
Longitude:	-118.2453507	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	1567
Construction date:	Not Reported	Wellholeddepth:	1585
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

3 SW 1/2 - 1 Mile Lower	Site ID:	900570061	AQUIFLOW	55180
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	8.37		
	Deep Water Depth:	12		
	Average Water Depth:	Not Reported		
	Date:	08/07/1996		
4 WNW 1/2 - 1 Mile Higher	Site ID:	083002363T	AQUIFLOW	68253
	Groundwater Flow:	NW		
	Shallow Water Depth:	6.23		
	Deep Water Depth:	7.75		
	Average Water Depth:	Not Reported		
	Date:	03/31/1998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90001	45	1

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

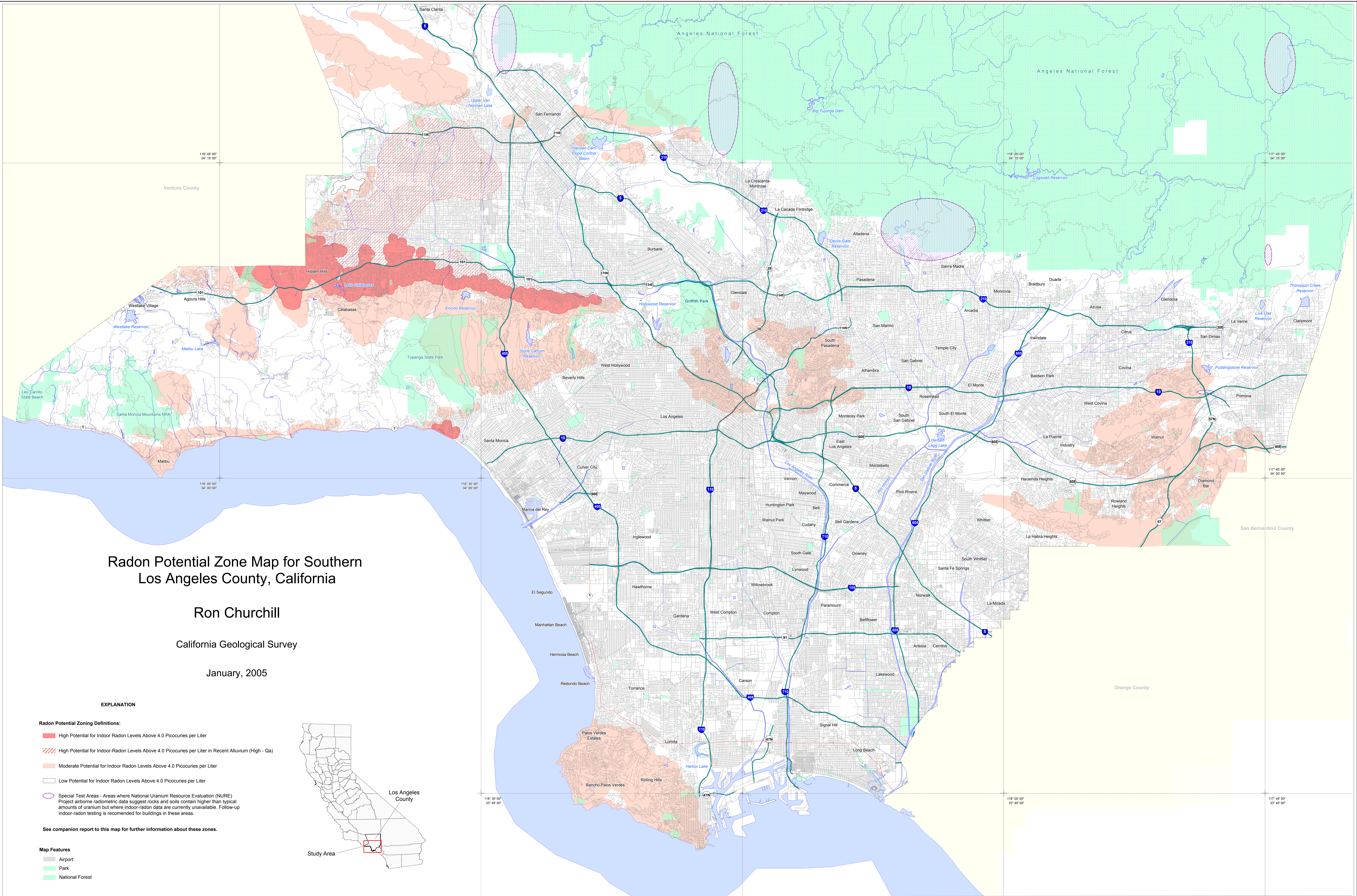
Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix 2

Historical Research Documentation



McKinley Avenue Elementary School

7812 McKinley Ave

Los Angeles, CA 90001

Inquiry Number: 4959892.9

June 08, 2017

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/08/17

Site Name:

McKinley Avenue Elementary S
7812 McKinley Ave
Los Angeles, CA 90001
EDR Inquiry # 4959892.9

Client Name:

Rincon
180 North Ashwood Avenue
Ventura, CA 93003-0000
Contact: Meghan Hearne



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<i>Year</i>	<i>Scale</i>	<i>Details</i>	<i>Source</i>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: May 29, 1977	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: November 24, 1972	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS
1923	1"=500'	Flight Date: January 01, 1923	FAIR

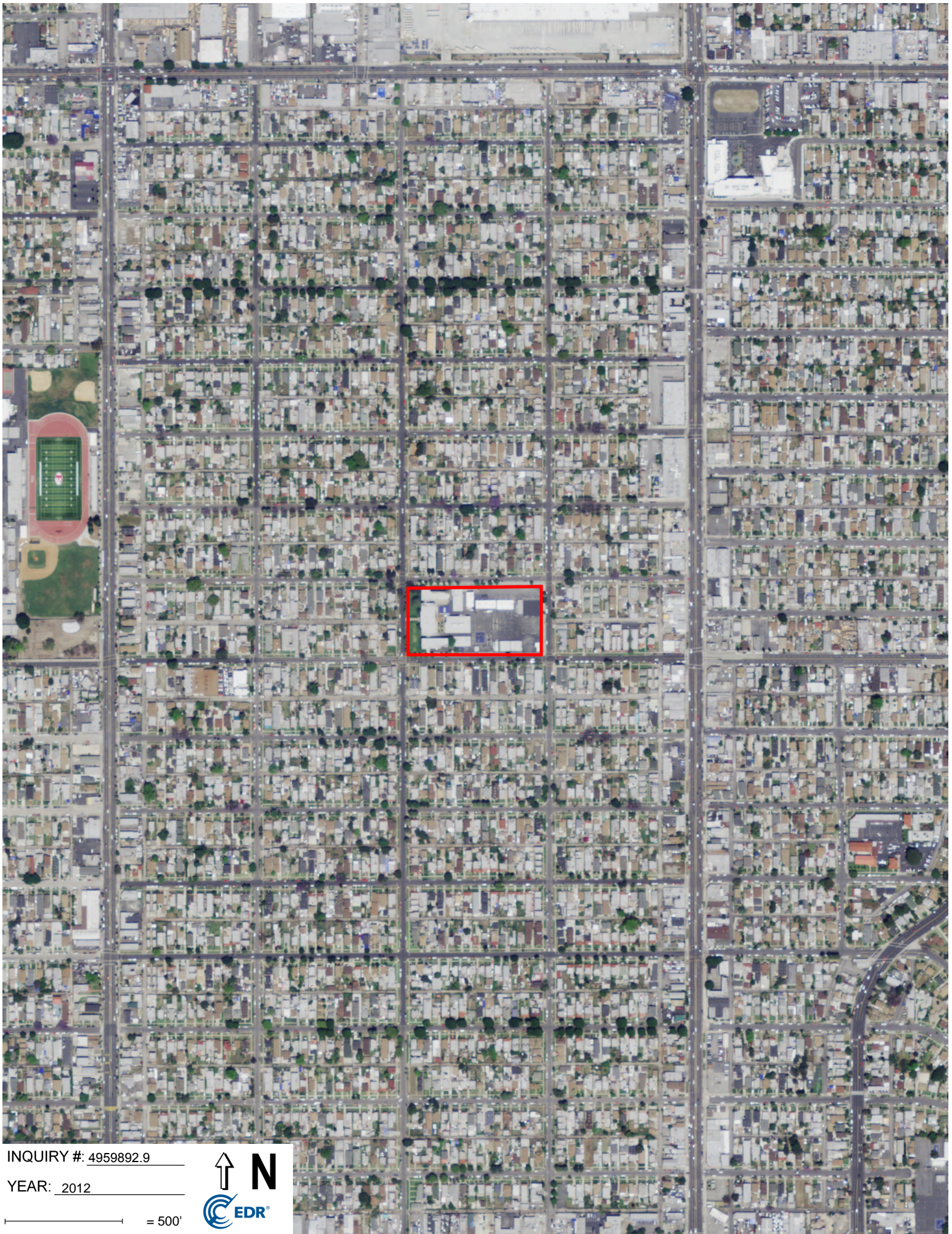
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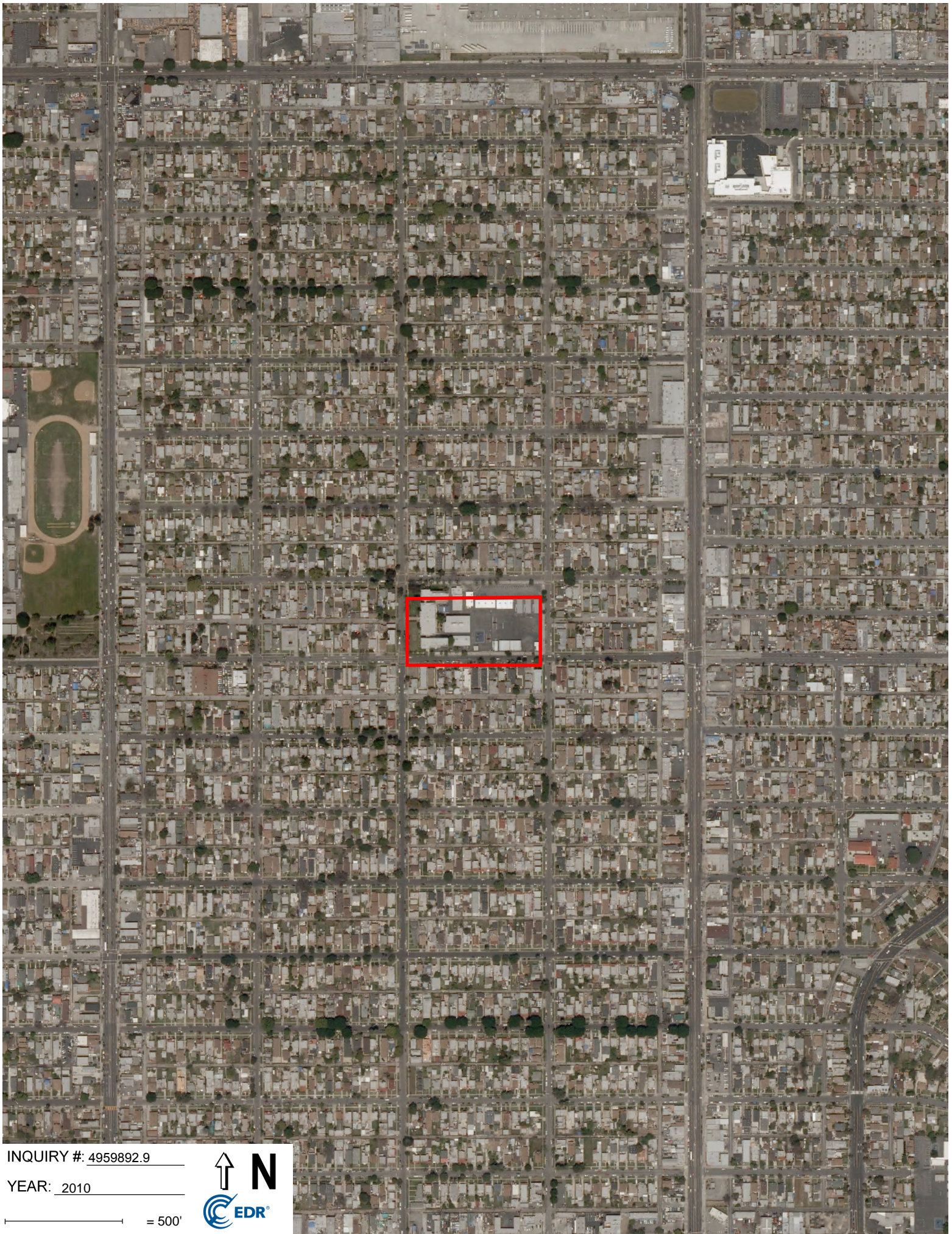


INQUIRY #: 4959892.9

YEAR: 2012

— = 500'





INQUIRY #: 4959892.9

YEAR: 2010

— = 500'





INQUIRY #: 4959892.9

YEAR: 2009

— = 500'





INQUIRY #: 4959892.9

YEAR: 2005

— = 500'





INQUIRY #: 4959892.9

YEAR: 2002

— = 500'





INQUIRY #: 4959892.9

YEAR: 1994

— = 500'





INQUIRY #: 4959892.9

YEAR: 1989

— = 500'



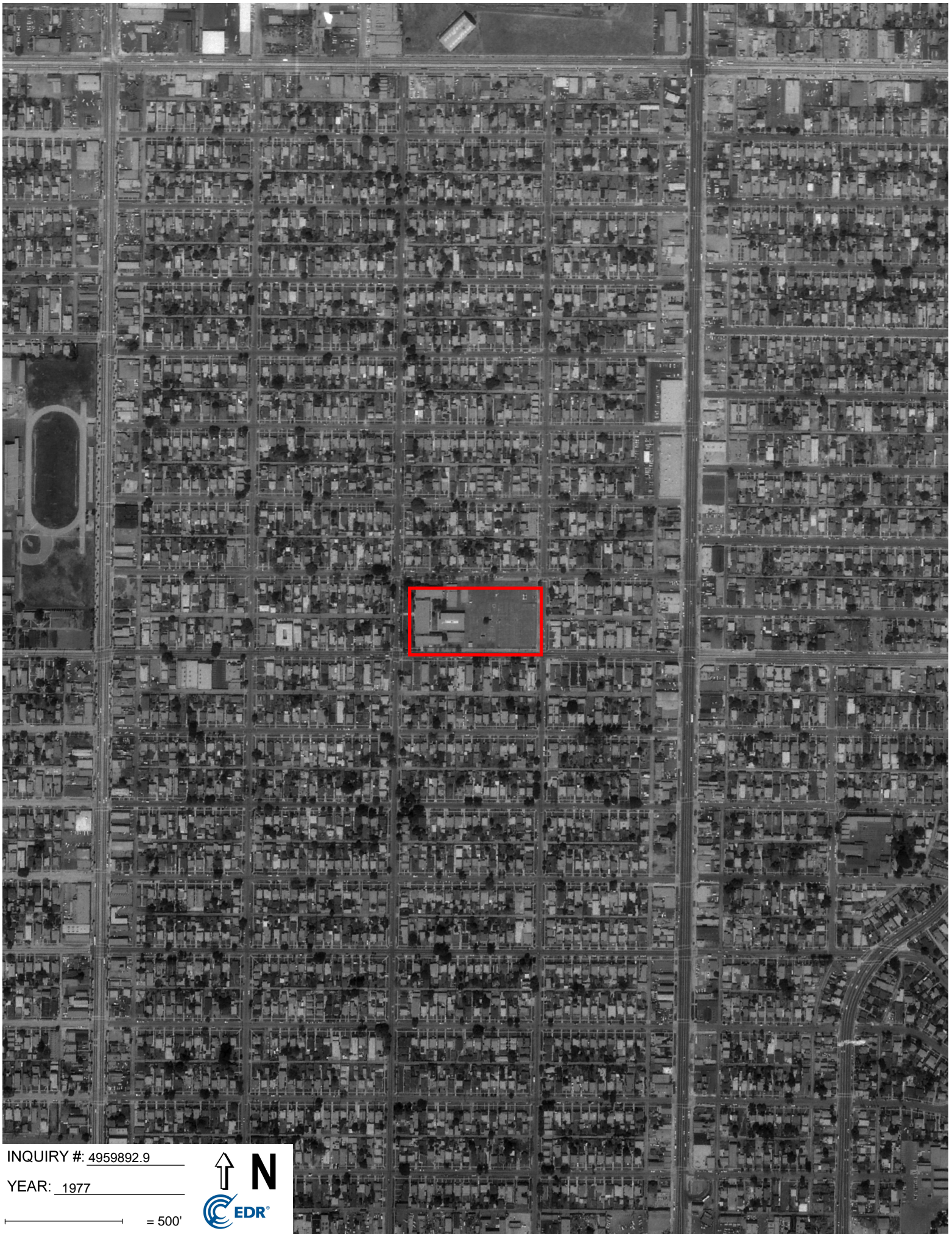


INQUIRY #: 4959892.9

YEAR: 1981

— = 500'





INQUIRY #: 4959892.9

YEAR: 1977

— = 500'





INQUIRY #: 4959892.9

YEAR: 1972

— = 500'





INQUIRY #: 4959892.9

YEAR: 1963

— = 500'





INQUIRY #: 4959892.9

YEAR: 1952

— = 500'





INQUIRY #: 4959892.9

YEAR: 1938

— = 500'





INQUIRY #: 4959892.9

YEAR: 1928

— = 500'





INQUIRY #: 4959892.9

YEAR: 1923

— = 500'





McKinley Avenue Elementary School

7812 McKinley Ave

Los Angeles, CA 90001

Inquiry Number: 4959892.4

June 07, 2017

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/07/17

Site Name:

McKinley Avenue Elementary
7812 McKinley Ave
Los Angeles, CA 90001
EDR Inquiry # 4959892.4

Client Name:

Rincon
180 North Ashwood Avenue
Ventura, CA 93003-0000
Contact: Meghan Hearne



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Rincon were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	17-04432	Latitude:	33.96796 33° 58' 5" North
Project:	McKinley Avenue Elementary	Longitude:	-118.259675 -118° 15' 35" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	383624.54
		UTM Y Meters:	3759318.30
		Elevation:	140.00' above sea level

Maps Provided:

2012	1924
1981	1923
1972	1896
1964	
1952	
1950	
1947, 1948	
1937	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



South Gate
2012
7.5-minute, 24000

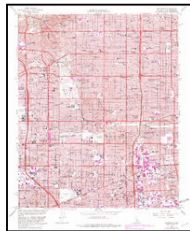


Inglewood
2012
7.5-minute, 24000

1981 Source Sheets



South Gate
1981
7.5-minute, 24000
Aerial Photo Revised 1978

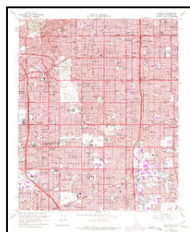


Inglewood
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



South Gate
1972
7.5-minute, 24000
Aerial Photo Revised 1972



Inglewood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



South Gate
1964
7.5-minute, 24000
Aerial Photo Revised 1963



Inglewood
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets



SOUTH GATE
1952
7.5-minute, 24000



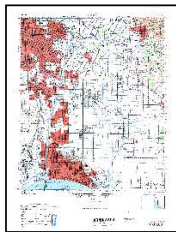
Inglewood
1952
7.5-minute, 24000
Aerial Photo Revised 1947

1950 Source Sheets



Inglewood
1950
7.5-minute, 24000
Aerial Photo Revised 1947

1947, 1948 Source Sheets



DOWNEY
1947
15-minute, 50000



REDONDO
1948
15-minute, 50000

1937 Source Sheets



Watts
1937
7.5-minute, 24000

Topo Sheet Key

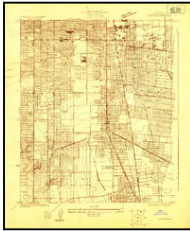
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1924 Source Sheets



Watts
1924
7.5-minute, 24000

1923 Source Sheets



Watts
1923
7.5-minute, 24000

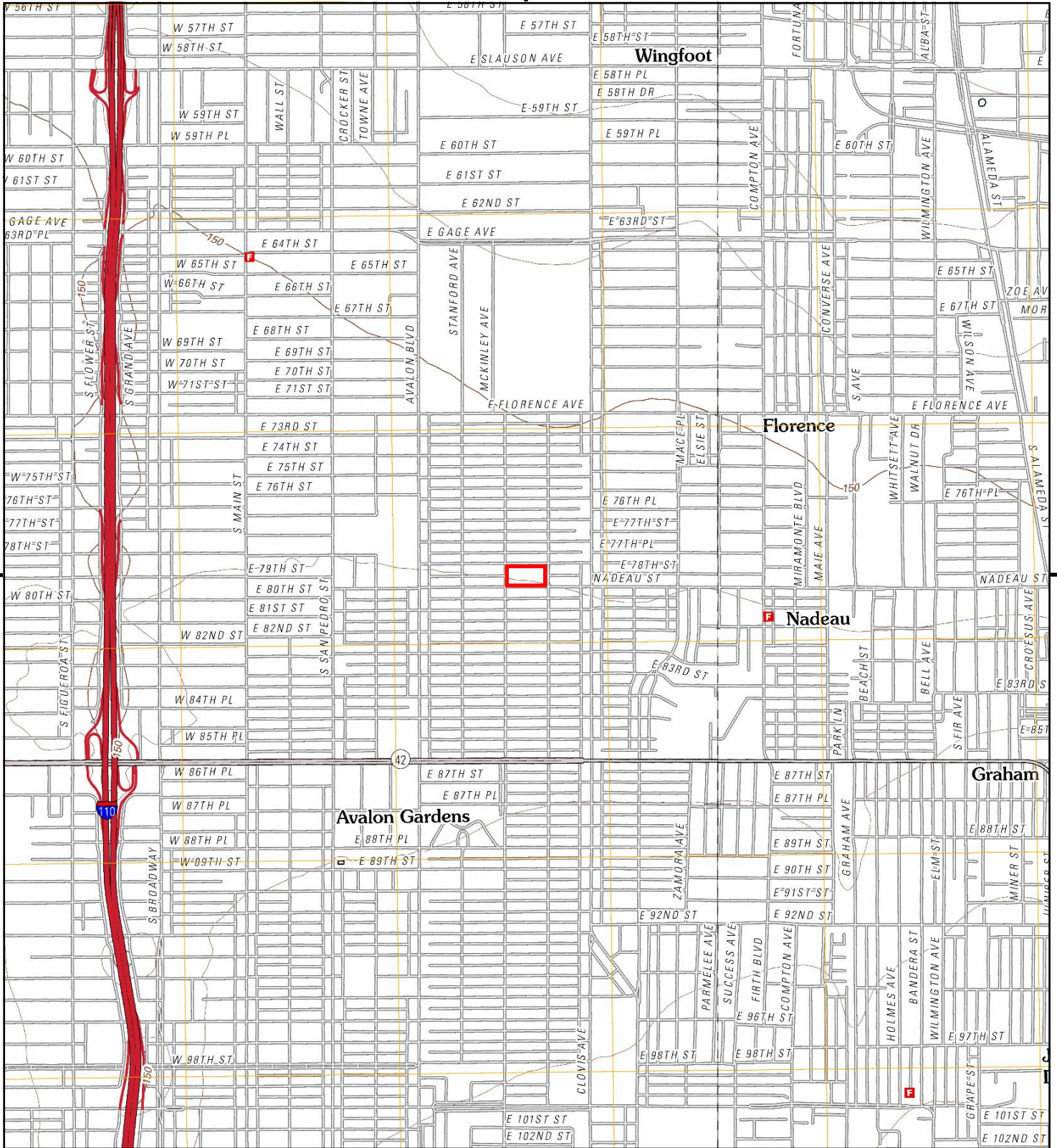
1896 Source Sheets



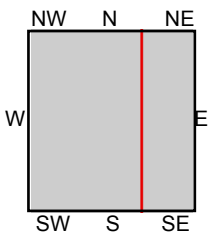
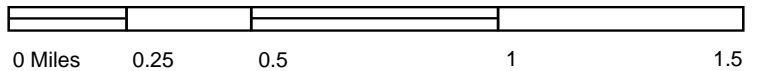
Downey
1896
15-minute, 62500



Redondo
1896
15-minute, 62500



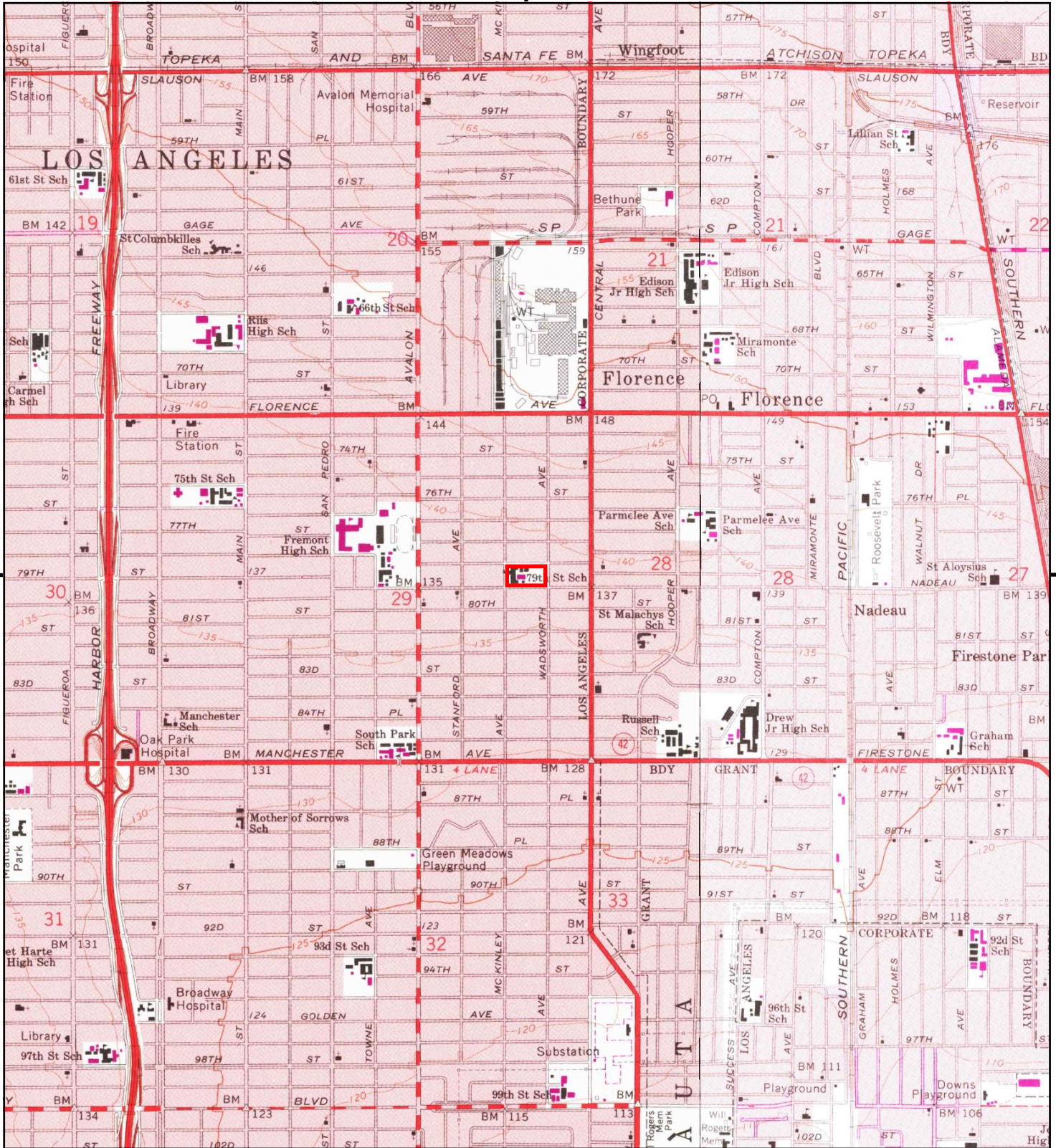
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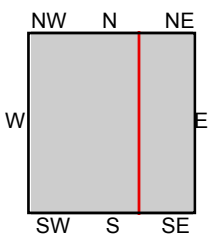
TP, Inglewood, 2012, 7.5-minute
SE, South Gate, 2012, 7.5-minute

SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon





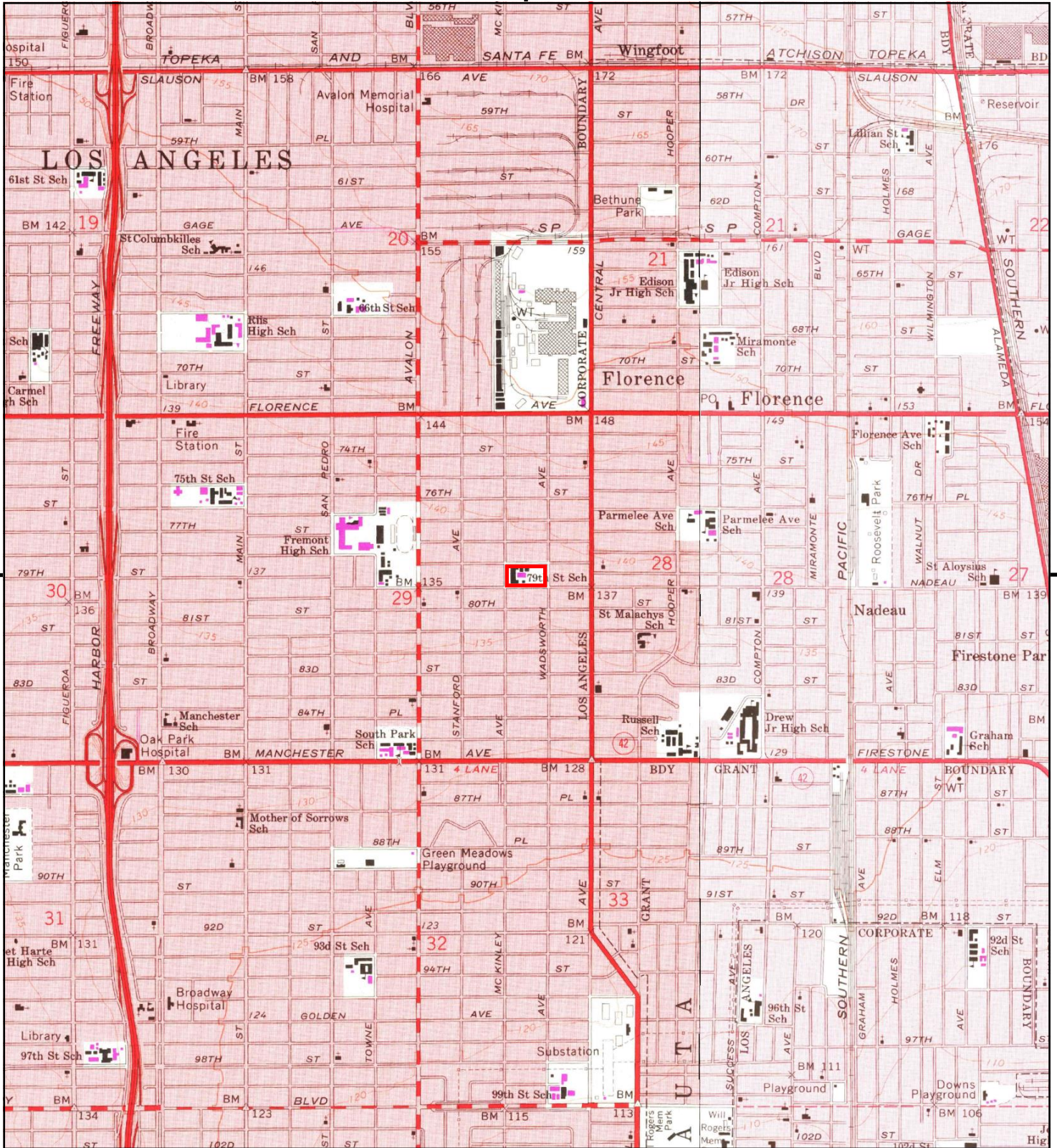
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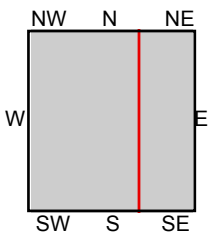
TP, Inglewood, 1981, 7.5-minute
SE, South Gate, 1981, 7.5-minute

SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon





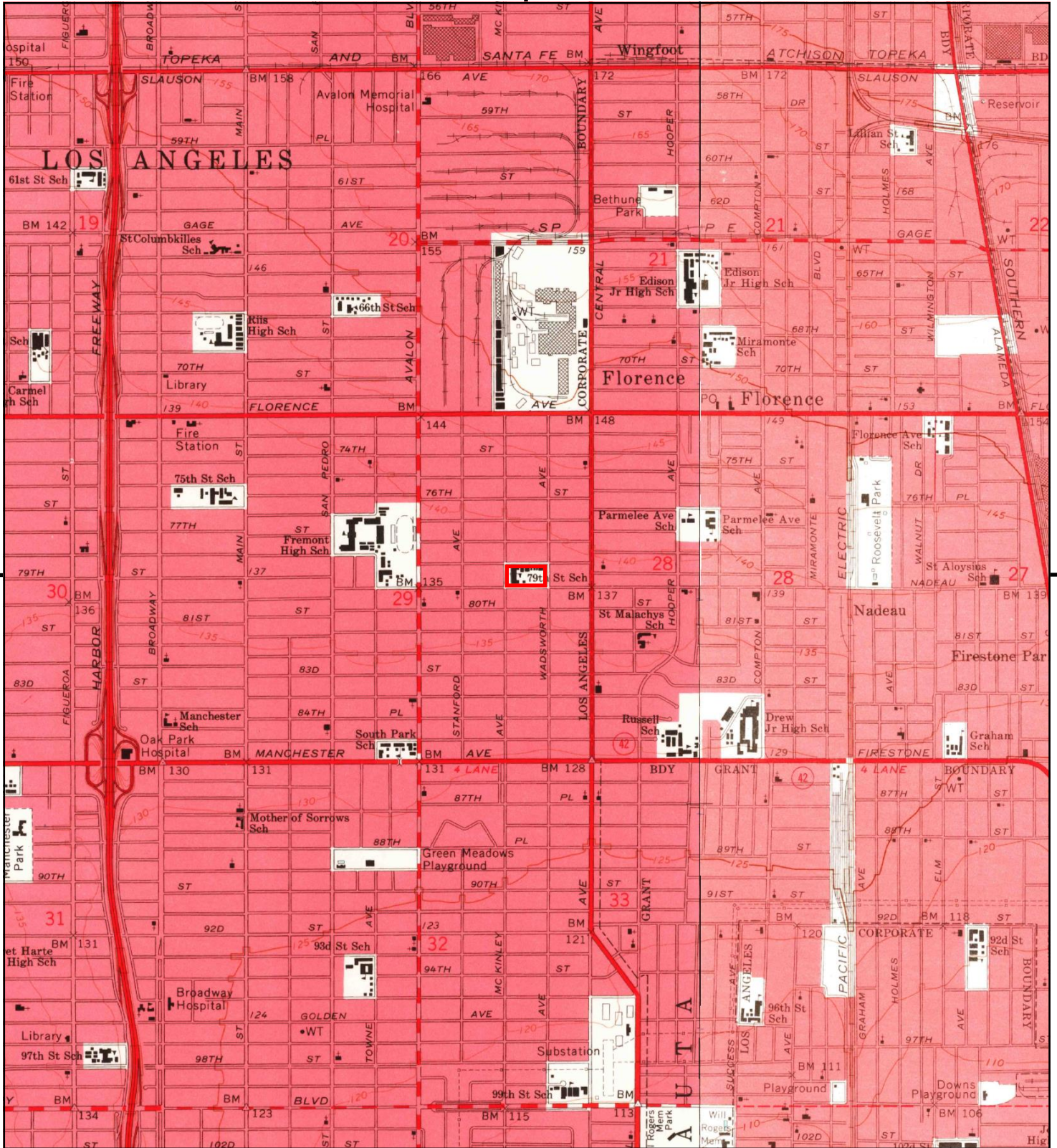
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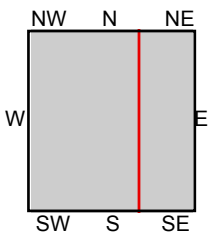
TP, Inglewood, 1972, 7.5-minute
SE, South Gate, 1972, 7.5-minute

SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon





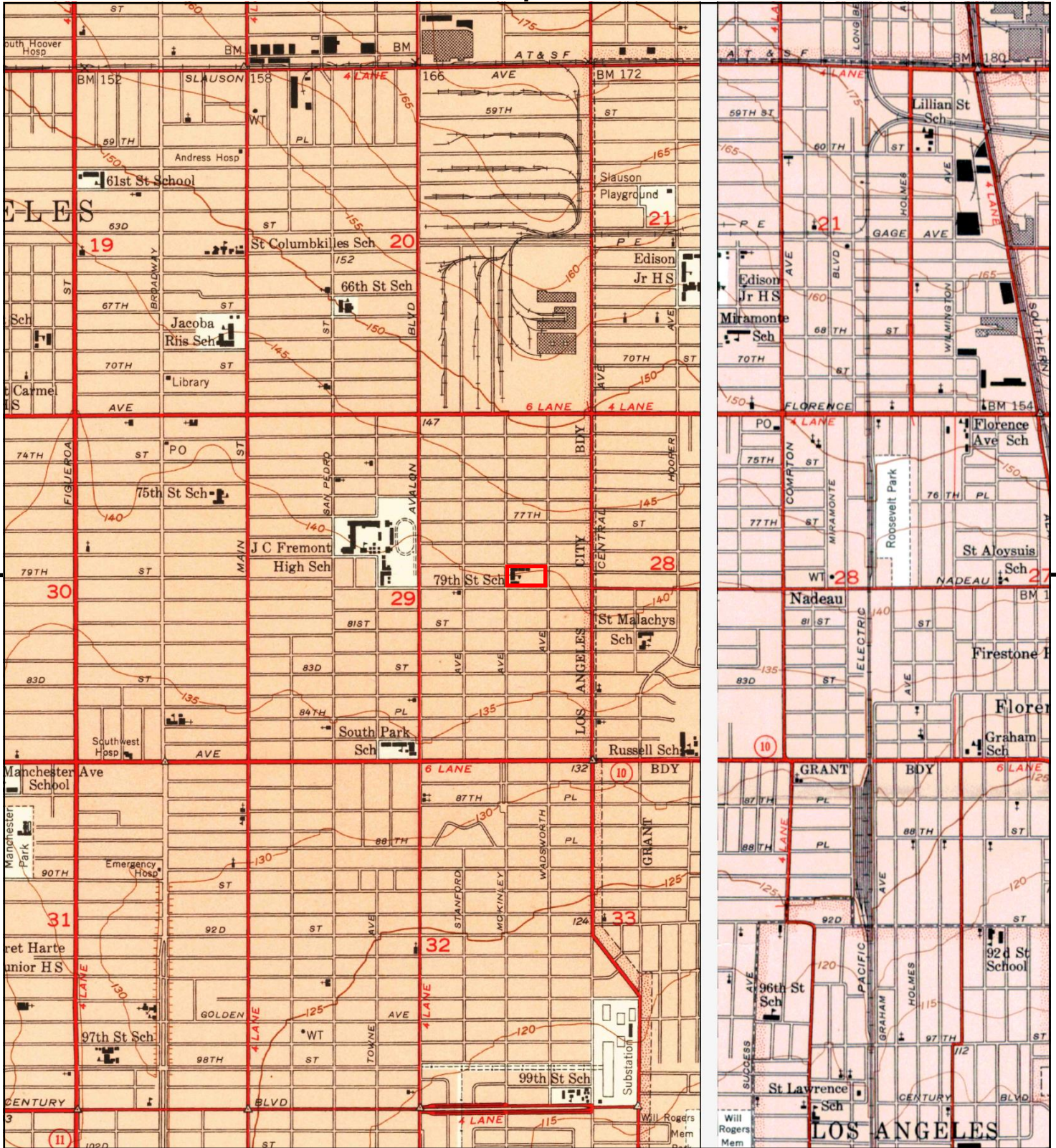
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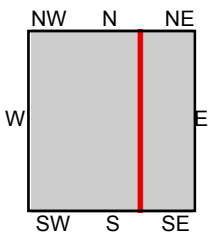
TP, Inglewood, 1964, 7.5-minute
SE, South Gate, 1964, 7.5-minute

SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon





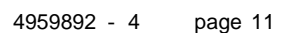
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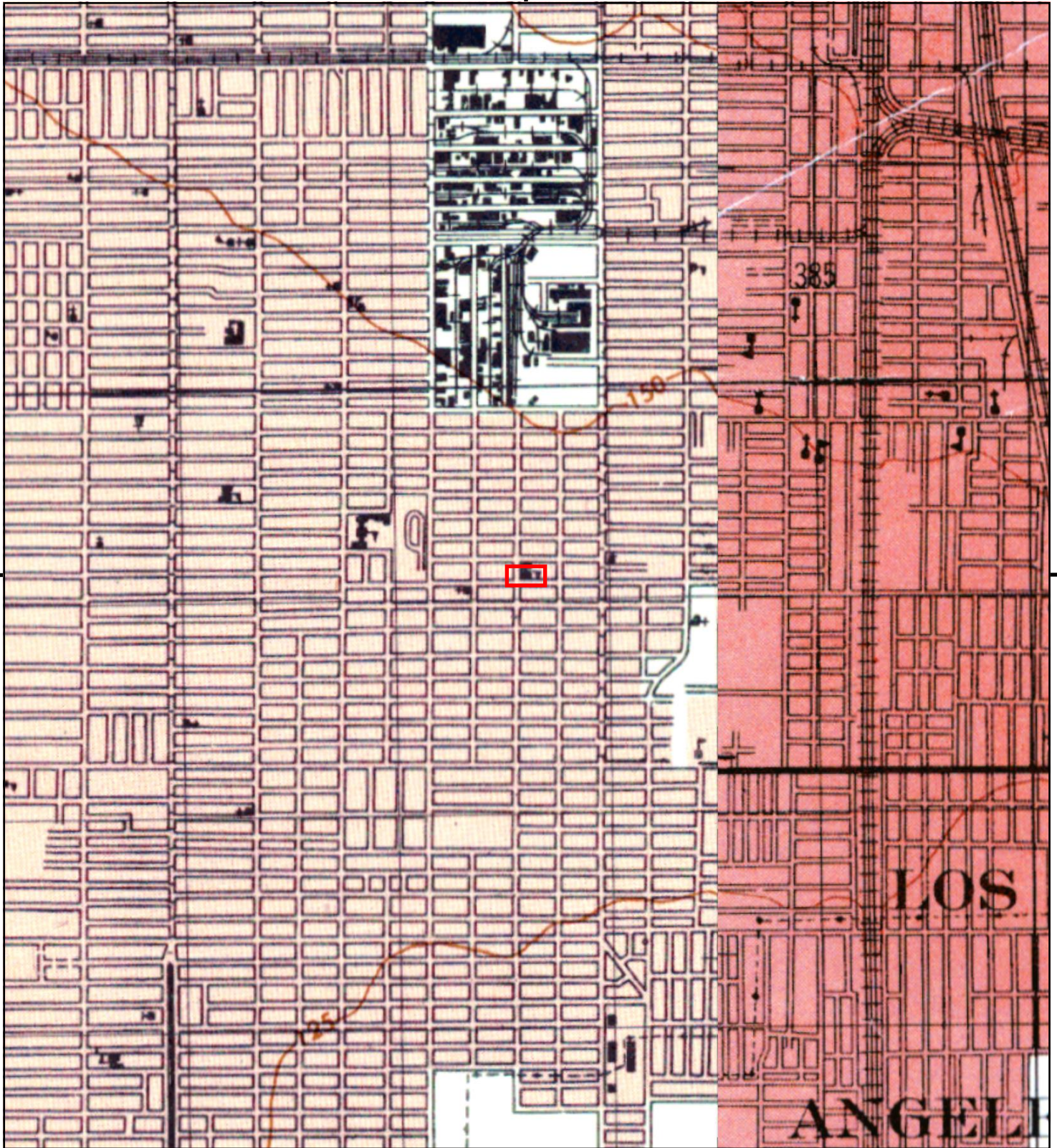


TP, Inglewood, 1952, 7.5-minute
SE, SOUTH GATE, 1952, 7.5-minute

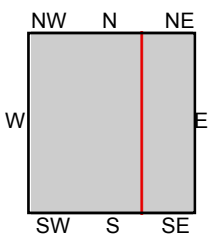
SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon







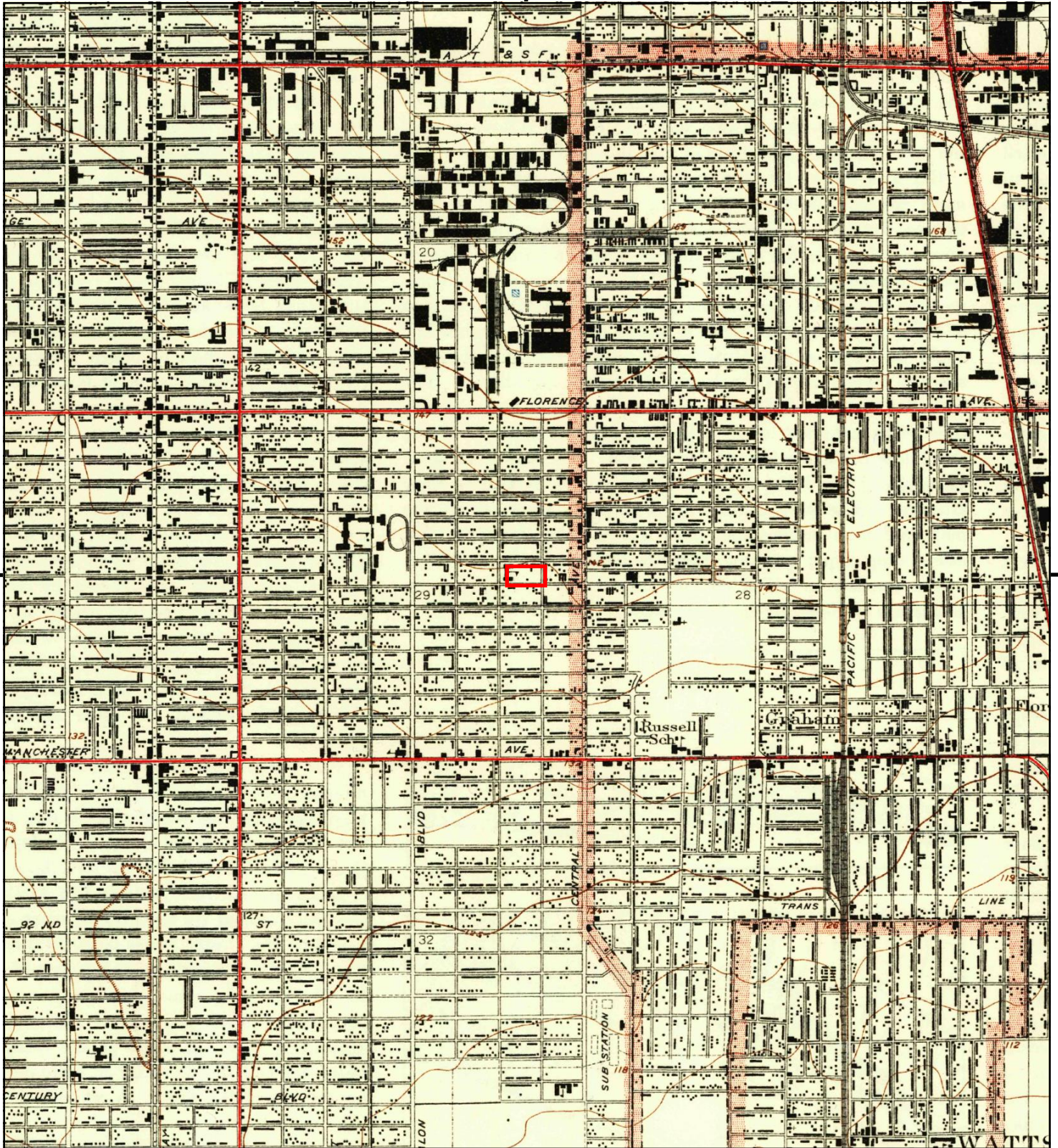
This report includes information from the following map sheet(s).



TP, REDONDO, 1948, 15-minute
SE, DOWNEY, 1947, 15-minute

SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon





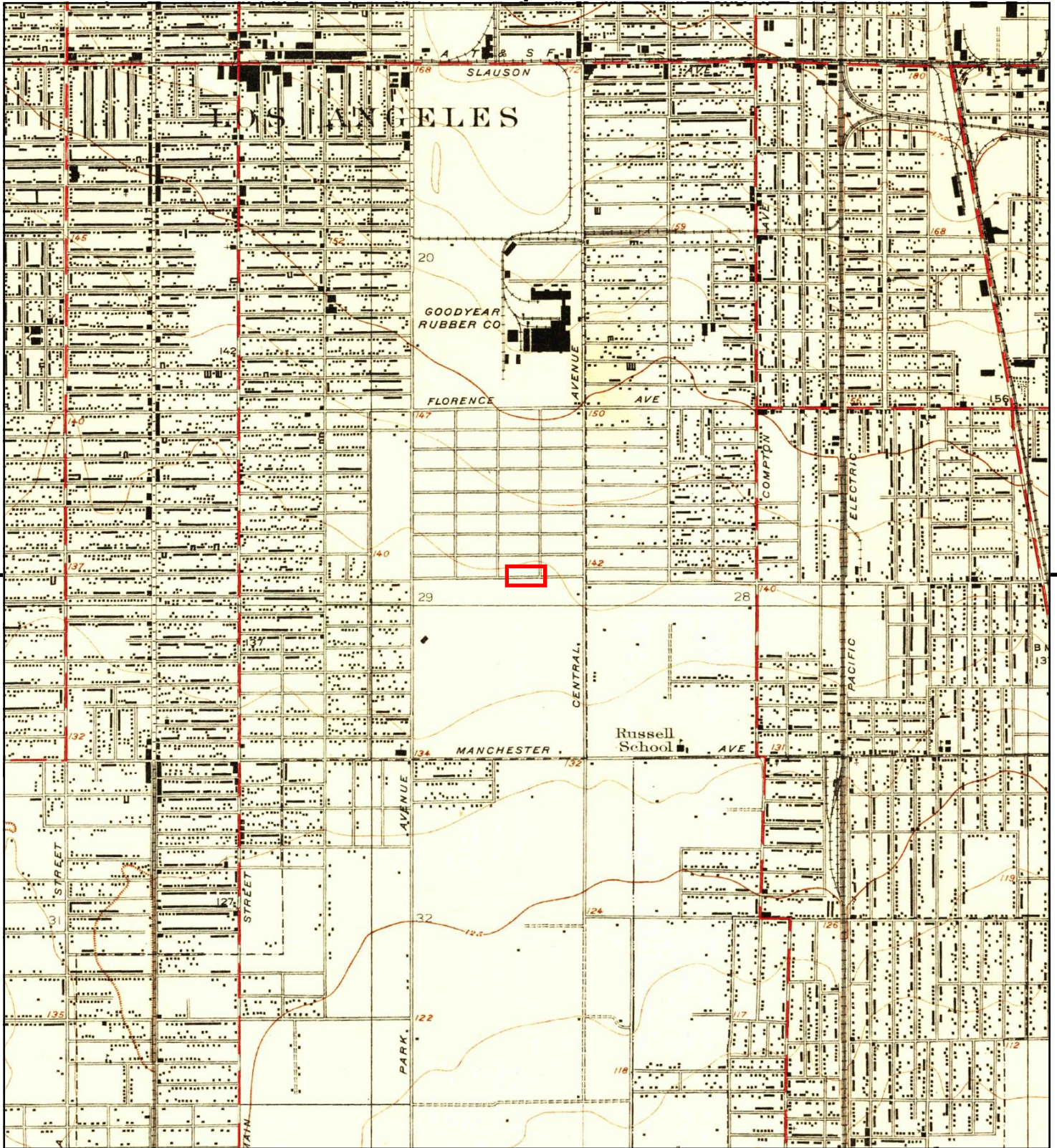
This report includes information from the following map sheet(s).



TP, Watts, 1937, 7.5-minute

SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon





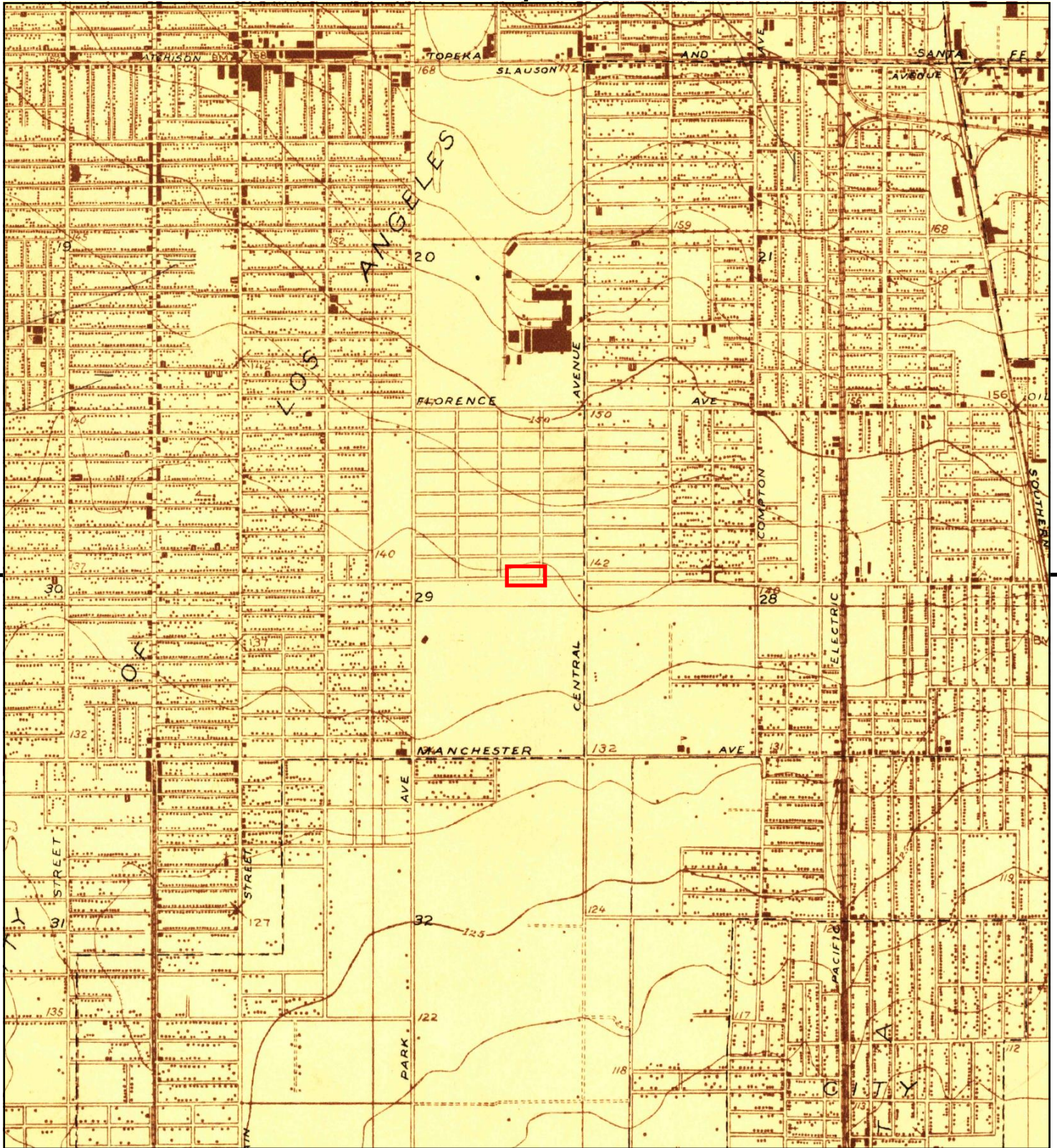
This report includes information from the following map sheet(s).



TP, Watts, 1924, 7.5-minute

SITE NAME: McKinley Avenue Elementary School
 ADDRESS: 7812 McKinley Ave
 Los Angeles, CA 90001
 CLIENT: Rincon





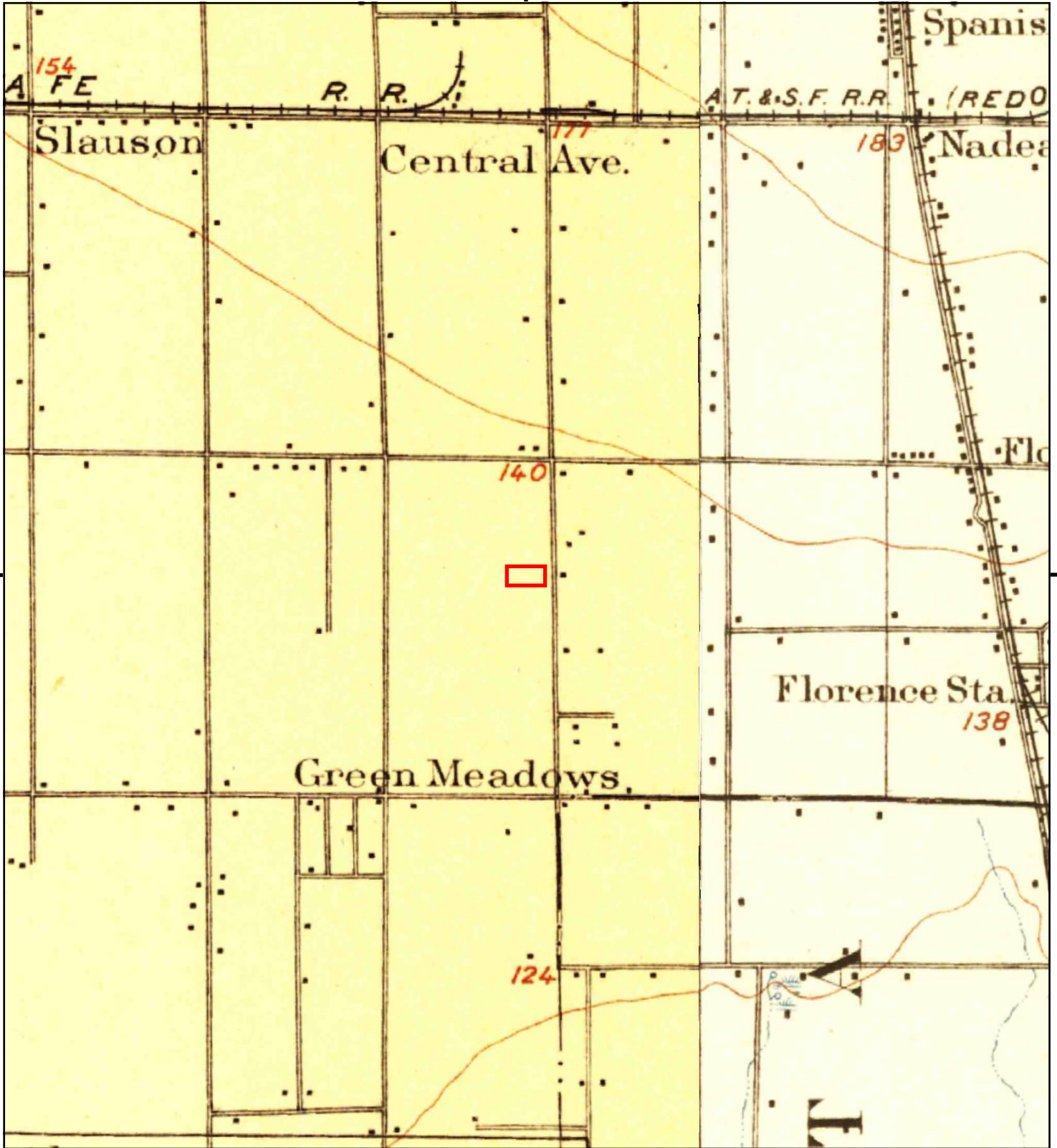
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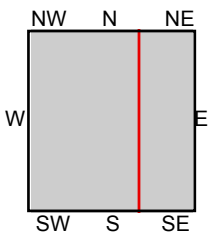
TP, Watts, 1923, 7.5-minute

SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon





This report includes information from the following map sheet(s).



TP, Redondo, 1896, 15-minute
SE, Downey, 1896, 15-minute

SITE NAME: McKinley Avenue Elementary School
ADDRESS: 7812 McKinley Ave
Los Angeles, CA 90001
CLIENT: Rincon





McKinley Avenue Elementary School

7812 McKinley Ave

Los Angeles, CA 90001

Inquiry Number: 4959892.3

June 07, 2017

Certified Sanborn® Map Report



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/07/17

Site Name:

McKinley Avenue Elementary
7812 McKinley Ave
Los Angeles, CA 90001
EDR Inquiry # 4959892.3

Client Name:

Rincon
180 North Ashwood Avenue
Ventura, CA 93003-0000
Contact: Meghan Hearne



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Certification # 20D8-43A2-9CEE

PO # 17-04432

Project McKinley Avenue Elementary

Maps Provided:

1969
1950
1923



Sanborn® Library search results

Certification #: 20D8-43A2-9CEE

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- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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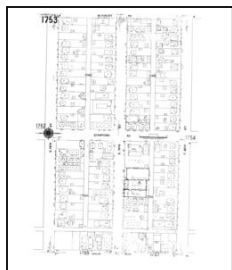
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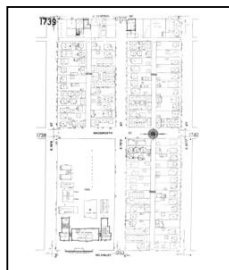
1969 Source Sheets



Volume 17, Sheet 1753
1969



Volume 17, Sheet 1738
1969



Volume 17, Sheet 1739
1969

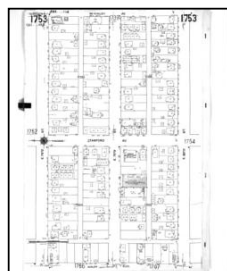
1950 Source Sheets



Volume 17, Sheet 1738
1950

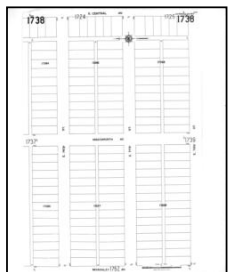


Volume 17, Sheet 1739
1950

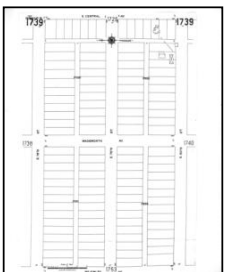


Volume 17, Sheet 1753
1950

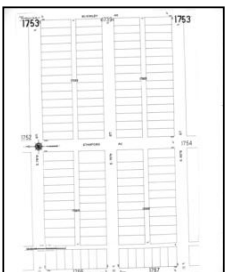
1923 Source Sheets



Volume 17, Sheet 1738
1923



Volume 17, Sheet 1739
1923



Volume 17, Sheet 1753
1923

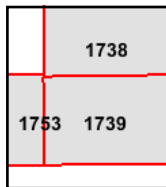


Site Name: McKinley Avenue Elementary School
 Address: 7812 McKinley Ave
 City, ST, ZIP: Los Angeles, CA 90001
 Client: Rincon
 EDR Inquiry: 4959892.3
 Order Date: 06/07/2017
 Certification # 20D8-43A2-9CEE
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 Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 17, Sheet 1739
 Volume 17, Sheet 1738
 Volume 17, Sheet 1753

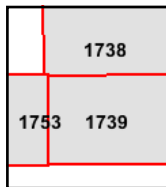
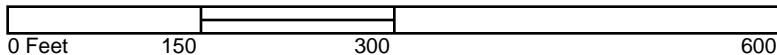




Site Name: McKinley Avenue Elementary School
 Address: 7812 McKinley Ave
 City, ST, ZIP: Los Angeles, CA 90001
 Client: Rincon
 EDR Inquiry: 4959892.3
 Order Date: 06/07/2017
 Certification # 20D8-43A2-9CEE
 Copyright 1950

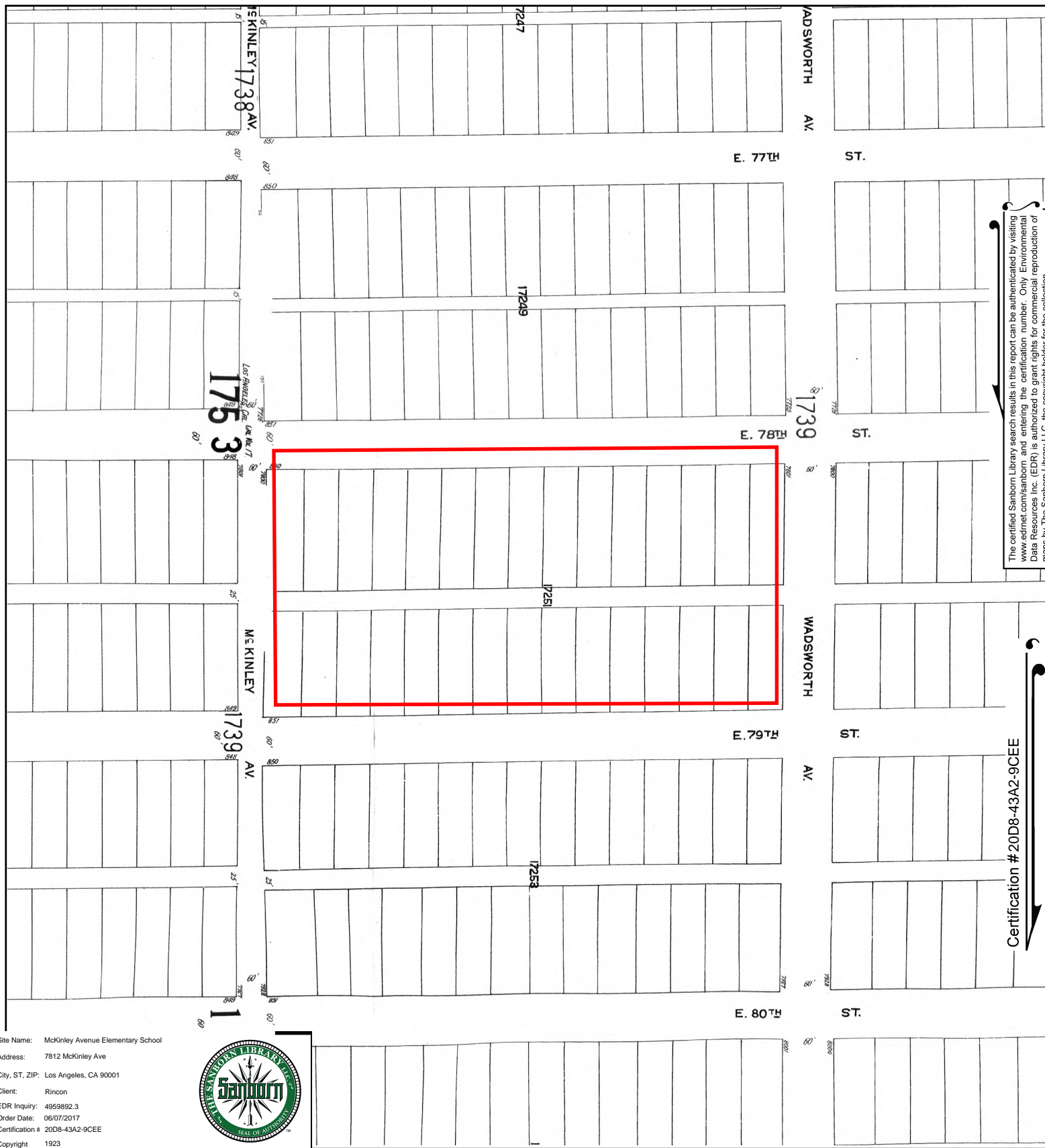


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 Outlined areas indicate map sheets within the collection.



Volume 17, Sheet 1753
 Volume 17, Sheet 1739
 Volume 17, Sheet 1738





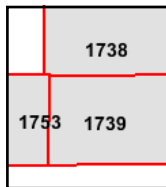
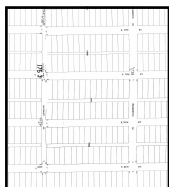
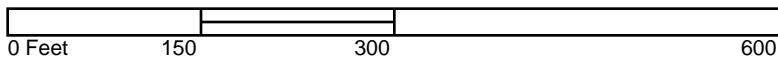
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Certification # 20D8-43A2-9CEE

Site Name: McKinley Avenue Elementary School
 Address: 7812 McKinley Ave
 City, ST, ZIP: Los Angeles, CA 90001
 Client: Rincon
 EDR Inquiry: 4959892.3
 Order Date: 06/07/2017
 Certification # 20D8-43A2-9CEE
 Copyright 1923



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 17, Sheet 1753
 Volume 17, Sheet 1739
 Volume 17, Sheet 1738



McKinley Avenue Elementary School

7812 McKinley Ave
Los Angeles, CA 90001

Inquiry Number: 4959892.5
June 08, 2017

The EDR-City Directory Abstract

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Executive Summary

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City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

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<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2006	Haines Company, Inc	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines & Company	-	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1986	Pacific Bell	X	X	X	-
1985	Pacific Bell	-	-	-	-
1981	Pacific Telephone	X	X	X	-
1980	Pacific Telephone	-	-	-	-
1976	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Telephone & Telegraph Co.	-	X	X	-
	Pacific Telephone & Telegraph Co.	X	X	X	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

7812 McKinley Ave
Los Angeles, CA 90001

FINDINGS DETAIL

Target Property research detail.

MC KINLEY AVE

7812 MC KINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MCKINLEY AVE ELEMENTARY SCHOOL	Pacific Bell
1951	McKinly Av Los Angeles City Board of Education elementary schools Seventy Ninth St	Pacific Telephone & Telegraph Co.

McKinley Ave

7812 McKinley Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LOS ANGELES UNIFIED SCHOOL DST	EDR Digital Archive
2010	LOS ANGELES UNIFIED SCHL DIST	EDR Digital Archive

MCKINLEY AVE

7812 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	OCKINLEYAV ELM	Haines Company, Inc
1986	MCKINLEY AVE ELEMENTARY SCHOOL	Pacific Bell
1981	MCKINLEY AVE ELEMENTARY SCHOOL	Pacific Telephone
1976	Mc Kinley Ave Elementary School	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

77TH ST E

703 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Matthews Lucille r	Pacific Telephone & Telegraph Co.

705 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Cozier Leslie r	Pacific Telephone & Telegraph Co.

706 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Simonetti Joe r	Pacific Telephone & Telegraph Co.

710 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Foster C W r	Pacific Telephone & Telegraph Co.

713 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Smith Christy F r	Pacific Telephone & Telegraph Co.

714 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Takas Louis A r	Pacific Telephone & Telegraph Co.

717 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Noland Golden Mrs r	Pacific Telephone & Telegraph Co.

718 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Estrada C r	Pacific Telephone & Telegraph Co.

722 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Drago Peter r	Pacific Telephone & Telegraph Co.

FINDINGS

723 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Bean I O r	Pacific Telephone & Telegraph Co.

725 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Soto Patrick r	Pacific Telephone & Telegraph Co.

726 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Coston Frederick r	Pacific Telephone & Telegraph Co.

730 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Vargas Sally r	Pacific Telephone & Telegraph Co.

731 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Elliott Lee r	Pacific Telephone & Telegraph Co.
	E 77th Turner E r	Pacific Telephone & Telegraph Co.

733 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Titmus Fred J r	Pacific Telephone & Telegraph Co.

734 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Hendershott A W r	Pacific Telephone & Telegraph Co.

737 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Kocourek Geo L r	Pacific Telephone & Telegraph Co.

738 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Gilbert Sarah r	Pacific Telephone & Telegraph Co.

743 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Smith B J r	Pacific Telephone & Telegraph Co.

FINDINGS

746 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Holloway Richard r	Pacific Telephone & Telegraph Co.

748 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Jones Alvin r	Pacific Telephone & Telegraph Co.

751 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Lulli Mary r	Pacific Telephone & Telegraph Co.

754 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Rodriguez Geronimo	Pacific Telephone & Telegraph Co.

755 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Lopez Chas r	Pacific Telephone & Telegraph Co.

758 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Nusinow Ben r	Pacific Telephone & Telegraph Co.

803 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Hubbard Vermelle r	Pacific Telephone & Telegraph Co.

806 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Thompson Comer r	Pacific Telephone & Telegraph Co.

807 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Golub Nathan r	Pacific Telephone & Telegraph Co.

814 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Soffarelli Louie r	Pacific Telephone & Telegraph Co.

815 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th De Maria Angie r	Pacific Telephone & Telegraph Co.

FINDINGS

818 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Perrine W W r	Pacific Telephone & Telegraph Co.

819 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Nigro Angelo r	Pacific Telephone & Telegraph Co.

822 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Goughnor Si S r	Pacific Telephone & Telegraph Co.

826 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Kern Chas L r	Pacific Telephone & Telegraph Co.

827 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th De Maria Anthony r	Pacific Telephone & Telegraph Co.

830 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Haley Ed	Pacific Telephone & Telegraph Co.

833 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Yaffe Lena r	Pacific Telephone & Telegraph Co.

834 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Rader W E r	Pacific Telephone & Telegraph Co.

835 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Sandusky Anthony J r	Pacific Telephone & Telegraph Co.

837 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th McDonald Audrey R r	Pacific Telephone & Telegraph Co.

838 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Carter Will r	Pacific Telephone & Telegraph Co.

FINDINGS

839 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Diven Clara Mrs r	Pacific Telephone & Telegraph Co.
	E 77th Long Marie r	Pacific Telephone & Telegraph Co.

841 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Zahniser Karl W	Pacific Telephone & Telegraph Co.

846 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Glavin B L r	Pacific Telephone & Telegraph Co.

849 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Yennie Blanche L r	Pacific Telephone & Telegraph Co.
	E 77th Casslo Frances r	Pacific Telephone & Telegraph Co.

854 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Malone Hal Mrs r	Pacific Telephone & Telegraph Co.

855 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Brookins Erma r	Pacific Telephone & Telegraph Co.

856 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Hicks Robt L r	Pacific Telephone & Telegraph Co.

859 77TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 77th Till Henry J r	Pacific Telephone & Telegraph Co.

78TH ST E

703 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Suessbrich Leona Mrs r	Pacific Telephone & Telegraph Co.

FINDINGS

706 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Mercado Frank r	Pacific Telephone & Telegraph Co.

707 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Franklin Lonnie D r	Pacific Telephone & Telegraph Co.

710 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Keith W C r	Pacific Telephone & Telegraph Co.

711 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Livingston Dorsey Jr r	Pacific Telephone & Telegraph Co.

719 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th King Thos R r	Pacific Telephone & Telegraph Co.

720 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Juarez Candelario r	Pacific Telephone & Telegraph Co.

723 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Zuniga Juanita r	Pacific Telephone & Telegraph Co.

726 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Olivas Evaristo r	Pacific Telephone & Telegraph Co.

730 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Ford Lydia r	Pacific Telephone & Telegraph Co.

731 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Fleming Edw r	Pacific Telephone & Telegraph Co.

734 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Allen Homer W r	Pacific Telephone & Telegraph Co.

FINDINGS

735 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Angelo Jos r	Pacific Telephone & Telegraph Co.

738 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Whipple Harold B r	Pacific Telephone & Telegraph Co.

739 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Forman Tony r	Pacific Telephone & Telegraph Co.

742 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Oilando Louis r	Pacific Telephone & Telegraph Co.

743 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Bayard S A r	Pacific Telephone & Telegraph Co.

746 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Banks Griff B r	Pacific Telephone & Telegraph Co.

751 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Skannion Warren W r	Pacific Telephone & Telegraph Co.

754 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Hapes Ervin r	Pacific Telephone & Telegraph Co.

755 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Warkentin Jake B r	Pacific Telephone & Telegraph Co.

758 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Crofoot Vernon J r	Pacific Telephone & Telegraph Co.

759 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Gurasich Steve r	Pacific Telephone & Telegraph Co.

FINDINGS

803 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Brown Odessa	Pacific Telephone & Telegraph Co.

807 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Kertesz Julia	Pacific Telephone & Telegraph Co.
	E 78th Mizrahi La Verne r	Pacific Telephone & Telegraph Co.

811 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Edwards Alice E r	Pacific Telephone & Telegraph Co.

815 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Viramontes Joe	Pacific Telephone & Telegraph Co.

819 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Cussia Josephine r	Pacific Telephone & Telegraph Co.

823 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Harris Mitch W r	Pacific Telephone & Telegraph Co.

825 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Burns Luther r	Pacific Telephone & Telegraph Co.

827 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Rand Fred L r	Pacific Telephone & Telegraph Co.

835 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Osborne John M r	Pacific Telephone & Telegraph Co.

842 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Durling Ray L r	Pacific Telephone & Telegraph Co.

FINDINGS

843 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Dial F L	Pacific Telephone & Telegraph Co.
	E 78th McCann Susie Lee r	Pacific Telephone & Telegraph Co.

844 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Dooley Kay r	Pacific Telephone & Telegraph Co.

847 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Brassett Walton J r	Pacific Telephone & Telegraph Co.
	E 78th Schiro Anthony r	Pacific Telephone & Telegraph Co.

849 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Knight Frank E r	Pacific Telephone & Telegraph Co.

850 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Keil Nicholas Sr r	Pacific Telephone & Telegraph Co.

851 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Wolverton G E Mrs r	Pacific Telephone & Telegraph Co.

852 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Drake Florice r	Pacific Telephone & Telegraph Co.
	E 78th Keil Nicholas Jr r	Pacific Telephone & Telegraph Co.

853 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Orr Marvin G r	Pacific Telephone & Telegraph Co.

854 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Frickberg John E r	Pacific Telephone & Telegraph Co.

855 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Roundtree Harrison	Pacific Telephone & Telegraph Co.

FINDINGS

858 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th De Gruccio Vincent r	Pacific Telephone & Telegraph Co.

859 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Varela Simon M r	Pacific Telephone & Telegraph Co.

902 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Johnson Cecil H r	Pacific Telephone & Telegraph Co.

906 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Cousins Virginia r	Pacific Telephone & Telegraph Co.

907 78TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 78th Grogan Fannie r	Pacific Telephone & Telegraph Co.

79TH ST E

705 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Hughey Longino D r	Pacific Telephone & Telegraph Co.

706 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Oghigian Martin	Pacific Telephone & Telegraph Co.

709 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Silva Eligio T r	Pacific Telephone & Telegraph Co.
	E 79th Cuccia Geo r	Pacific Telephone & Telegraph Co.

714 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Vienna Gladys M r	Pacific Telephone & Telegraph Co.

718 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Hartley Mae Mrs r	Pacific Telephone & Telegraph Co.

FINDINGS

719 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Ortega Robt M	Pacific Telephone & Telegraph Co.

722 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Rempel H H r	Pacific Telephone & Telegraph Co.

723 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Du Bois R W r	Pacific Telephone & Telegraph Co.

726 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Yurada Reno E r	Pacific Telephone & Telegraph Co.

727 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Humpres Frank r	Pacific Telephone & Telegraph Co.

730 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Magic 99 Products bleaches	Pacific Telephone & Telegraph Co.

734 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Jaimerena Dolores r	Pacific Telephone & Telegraph Co.

735 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Chulich S J r	Pacific Telephone & Telegraph Co.

738 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Martinez Alice	Pacific Telephone & Telegraph Co.

739 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Armour Janet Mrs r	Pacific Telephone & Telegraph Co.

740 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Coady Ruby Mrs r	Pacific Telephone & Telegraph Co.

FINDINGS

743 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Mckenzie Edna E r	Pacific Telephone & Telegraph Co.

746 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Bryant Ed r	Pacific Telephone & Telegraph Co.

747 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Bescos B Mrs r	Pacific Telephone & Telegraph Co.

750 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Scoggins Cubie r	Pacific Telephone & Telegraph Co.
	E 79th Randolph Zona r	Pacific Telephone & Telegraph Co.

751 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Atkins Harry M r	Pacific Telephone & Telegraph Co.

752 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Lofton Ralph r	Pacific Telephone & Telegraph Co.
	E 79th Jordan Otis r	Pacific Telephone & Telegraph Co.

754 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Ruff Sweetie r	Pacific Telephone & Telegraph Co.

756 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Myrick Alvin r	Pacific Telephone & Telegraph Co.

758 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Dominguez Antonio r	Pacific Telephone & Telegraph Co.

806 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Hause Hazel M r	Pacific Telephone & Telegraph Co.
	E 79th Hubbard Wesley Mrs r	Pacific Telephone & Telegraph Co.

FINDINGS

808 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Scott Anne Mrs r	Pacific Telephone & Telegraph Co.

814 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Simonet Ervin	Pacific Telephone & Telegraph Co.

818 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th McCrimon Othal r	Pacific Telephone & Telegraph Co.

822 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Moore Geo G r	Pacific Telephone & Telegraph Co.

826 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Smith Joe M r	Pacific Telephone & Telegraph Co.
	E 79th Huddleston Jas P r	Pacific Telephone & Telegraph Co.

840 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Thacker E H r	Pacific Telephone & Telegraph Co.

842 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Prancevic Eva Mrs r	Pacific Telephone & Telegraph Co.

843 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Batterton Stanley r	Pacific Telephone & Telegraph Co.

848 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Cory Alda G r	Pacific Telephone & Telegraph Co.

850 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Shepherd Jemmie Lee r	Pacific Telephone & Telegraph Co.

FINDINGS

851 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Williams Eddie r	Pacific Telephone & Telegraph Co.

852 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Davis Lee r	Pacific Telephone & Telegraph Co.

855 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Broomfield Leroy r	Pacific Telephone & Telegraph Co.
	E 79th Sweetwine Lawrence C r	Pacific Telephone & Telegraph Co.

856 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Bott John r	Pacific Telephone & Telegraph Co.

857 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th White Lewis Mrs r	Pacific Telephone & Telegraph Co.

903 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Stine Raymond L r	Pacific Telephone & Telegraph Co.

907 79TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 79th Duron T A r	Pacific Telephone & Telegraph Co.

80TH

751 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	STEWART LEWIS E	Pacific Telephone

80TH ST E

746 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Santamaria Gilbert r	Pacific Telephone & Telegraph Co.

FINDINGS

751 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Kent Jesse J r	Pacific Telephone & Telegraph Co.

752 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Barnes Ruby r	Pacific Telephone & Telegraph Co.

754 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Williams Harriet r	Pacific Telephone & Telegraph Co.

755 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Linscheid Wm r	Pacific Telephone & Telegraph Co.

759 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Getzlaff Eric A r	Pacific Telephone & Telegraph Co.

760 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Black Howard H r	Pacific Telephone & Telegraph Co.

802 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Maupin Jas A r	Pacific Telephone & Telegraph Co.

803 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Soldano Jos P r	Pacific Telephone & Telegraph Co.

806 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Jones Leroy r	Pacific Telephone & Telegraph Co.

810 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Kimes Carl E r	Pacific Telephone & Telegraph Co.

811 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Craig Melba C r	Pacific Telephone & Telegraph Co.

FINDINGS

814 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Greve Grace W r	Pacific Telephone & Telegraph Co.

819 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Daniels Floyd r	Pacific Telephone & Telegraph Co.

822 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Schmitt M R r	Pacific Telephone & Telegraph Co.

823 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Cohen Jean r	Pacific Telephone & Telegraph Co.

826 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Thompson Samuel r	Pacific Telephone & Telegraph Co.

827 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Watson Ida r	Pacific Telephone & Telegraph Co.

831 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Hutchins Ray r	Pacific Telephone & Telegraph Co.

832 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Gutierrez Frank r	Pacific Telephone & Telegraph Co.

834 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Zander Chas A Mrs r	Pacific Telephone & Telegraph Co.

835 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Manz Geo r	Pacific Telephone & Telegraph Co.

838 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Gosey Lula M r	Pacific Telephone & Telegraph Co.

FINDINGS

839 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Marmolejo Helen r	Pacific Telephone & Telegraph Co.

842 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Shaw John L r	Pacific Telephone & Telegraph Co.

843 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Heer Stephan Mrs r	Pacific Telephone & Telegraph Co.

846 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Jackson Ethel Lee Mrs r	Pacific Telephone & Telegraph Co.
	E 80th White Arlizzie r	Pacific Telephone & Telegraph Co.

850 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Rabone E G r	Pacific Telephone & Telegraph Co.

851 80TH ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	E 80th Bazyouros Cleo r	Pacific Telephone & Telegraph Co.

E 77TH

703 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MCDUFFY R J	Pacific Bell
1981	RUSSELL JAS A	Pacific Telephone
1962	Hatchett N T	Pacific Telephone
1937	Crandall Gordon E Elena mgr Ure Pett & Morris	Los Angeles Directory Co.
1933	Lynn Lawrecnce R Viola gasfr	Los Angeles Directory Co.
	Durbin Jas V Thelma	Los Angeles Directory Co.
	Durbin Thelma garmtwkr	Los Angeles Directory Co.

705 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	COZIER ADDIE	Pacific Bell
1986	COZIER ADDIE	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	COZIER ADDIE	Pacific Telephone
1971	Cozier Leslie	Pacific Telephone
1962	Cozier Leslie	Pacific Telephone
1942	PARKS Victor aircraftwkr	Los Angeles Directory Co.
	HUMPHREY Dean E ptrnmkr	Los Angeles Directory Co.
	COLE Milton A Hazel M slsmn	Los Angeles Directory Co.
1937	Ockel Arth H Helen acct	Los Angeles Directory Co.
	Ockel Wm R	Los Angeles Directory Co.
1933	Ockel Arth H Helen bkpr	Los Angeles Directory Co.
1929	Ockel Arth N Helen acct	Los Angeles Directory Co.

706 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MCGINNIS PAULINE	Pacific Bell
1986	MCGINNIS PAULINE	Pacific Bell
1981	MCGINNIS PAULINE	Pacific Telephone
1971	Mc Ginnis Pauline	Pacific Telephone
	Mc Ginnis Eugenia	Pacific Telephone
1962	Mc Ginnis Pauline	Pacific Telephone
1942	Ranburg Nicholas Ebba carp	Los Angeles Directory Co.
1937	SMITH E Frank Frances baker	Los Angeles Directory Co.
1933	Sweet Lee Hannah typewriter mech	Los Angeles Directory Co.
1929	COOK Edna D Mrs sec First English Evangelical Lutheran Ch	Los Angeles Directory Co.
	COOK Raymond F Edna acct	Los Angeles Directory Co.

710 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	CORRAL INOCENTE	Pacific Bell
1981	CALLAHAN H L	Pacific Telephone
1971	Callahan Henry L	Pacific Telephone
1937	Bricker Frank H Emma A clo clnr	Los Angeles Directory Co.
	Kocher Thruow wid J C	Los Angeles Directory Co.
1933	Bricker Fank H Emma valet	Los Angeles Directory Co.
1929	Bricker Frank H Emma tailor	Los Angeles Directory Co.

713 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	HOWELL DONALD	Pacific Bell
1986	HOWELL HENRY & JOE PEARL	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	HOWELL HENRY & JOE PEARL	Pacific Telephone
1971	Howell Joe Pearl	Pacific Telephone
1962	Howell Joe Pearl	Pacific Telephone
1942	SMITH Donald C dienmkr	Los Angeles Directory Co.
	SMITH Christy F Frances chf clk SFRy	Los Angeles Directory Co.
	Hurley Jerome V frt hndlr	Los Angeles Directory Co.
1937	WOLF Jacob W Doris rubberwkr	Los Angeles Directory Co.
1933	Andreasen Johannes Julia tailor	Los Angeles Directory Co.
1929	Andreasen Johannes V Julia tailor	Los Angeles Directory Co.

717 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	TURNER WYNELL	Pacific Bell
1986	TURNER WYNELL	Pacific Bell
1981	WILLIAMS ANDY	Pacific Telephone
	TURNER WYNELL	Pacific Telephone
1962	Mc Glover Andrew	Pacific Telephone
1942	Bellomo Francisco Mary lab	Los Angeles Directory Co.

722 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	THOMPSON WILLIE L	Pacific Bell
1986	THOMPSON WILLIE L	Pacific Bell
1981	THOMPSON WILLIE L	Pacific Telephone
1971	Thompson Willie L	Pacific Telephone
1962	Thompson Willie L	Pacific Telephone
1942	HOLMES Freda M	Los Angeles Directory Co.
	HOLMES Maurice J Ann pipe ftr	Los Angeles Directory Co.
	HOLMES Norma V	Los Angeles Directory Co.
1937	HOLMES Maurice J Anne pipeftr	Los Angeles Directory Co.
	Mamlund Gustave A clk	Los Angeles Directory Co.
1933	Gehl Anna wis Chris	Los Angeles Directory Co.
1929	Angermayer Magdalen wid Albt smstrs	Los Angeles Directory Co.
	Engermayer Magdaline musician	Los Angeles Directory Co.
	Gehl Anna wid Christian	Los Angeles Directory Co.

725 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	ANNA S CAMEO BRAS	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	STAFFORD ANNA MAE	Pacific Bell
1986	STAFFORD ANNA MAE	Pacific Bell
1981	STAFFORD ANNA MAE	Pacific Telephone
	MC CLINTON JOHN I	Pacific Telephone
1971	Stafford Anna Mae	Pacific Telephone
1962	Soto Patrick	Pacific Telephone
1942	HAMER Walter F Orpha mech	Los Angeles Directory Co.
1937	Casto Flavius carp	Los Angeles Directory Co.
	HAMMER Walter H Orpha auto mech	Los Angeles Directory Co.
1933	MARVIN Walter Pearl lab	Los Angeles Directory Co.
1929	Stricklen Walter W Dorothy auto mech h	Los Angeles Directory Co.
1924	Goldsberry Floyd A police r	Los Angeles Directory Co.

726 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	COSTON FREDERICK	Pacific Bell
1986	COSTON FREDERICK	Pacific Bell
1981	COSTON FREDERICK	Pacific Telephone
1971	Coston Frederick	Pacific Telephone
1962	Coston Frederick	Pacific Telephone

731 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	NOLAN MILDRED J	Pacific Bell
1986	NOLAN MILDRED J	Pacific Bell
1981	NOLAN MILDRED J	Pacific Telephone
1937	Nusinow Benj Jeannet br mgr Roths Creater Markets Co	Los Angeles Directory Co.
1933	Nusinow Benj Jenette clk	Los Angeles Directory Co.

738 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MCCORMICK SARAH	Pacific Bell
1986	MC CORMICK SARAH	Pacific Bell
1981	MCCORMICK SARAH	Pacific Telephone
1971	Mc Cormick Sarah	Pacific Telephone
1962	Mc Cormick Sarah	Pacific Telephone
1937	Goldberg Henry slsmn Louis Goldberg	Los Angeles Directory Co.
	Goldberg Harry slsmn Louis Goldberg	Los Angeles Directory Co.
	Goldberg Louis plmbr supps	Los Angeles Directory Co.

FINDINGS

748 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	JONES ALVIN	Pacific Telephone
1971	Jones Alvin	Pacific Telephone
1962	Jones Alvin	Pacific Telephone
1937	Sharkey Hattie Mrs	Los Angeles Directory Co.
1933	Gehl Heddie musician	Los Angeles Directory Co.
	Sharkey Hedwig Mrs musician	Los Angeles Directory Co.
1929	Sharkey Hedwig F Mrs h	Los Angeles Directory Co.
	Lalantonis Jas Smiro prod	Los Angeles Directory Co.
	Gehl Heddie musician	Los Angeles Directory Co.
	Cort W Grace lawyer TI & T Co	Los Angeles Directory Co.
1924	Sharkey Armond G Sharkey Chandler Service Co r	Los Angeles Directory Co.

751 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	O HARA MABLE	Pacific Bell
1986	O HARA MABLE	Pacific Bell
1981	O HARA MABLE	Pacific Telephone
1971	OHara Mable	Pacific Telephone
1962	OHara Mable	Pacific Telephone
1942	Natala Anthony	Los Angeles Directory Co.
	Natala Francisco Carmelia	Los Angeles Directory Co.
1937	Natale Anthony G clo prsr	Los Angeles Directory Co.
	Natale Frank Carmela	Los Angeles Directory Co.
1933	Natala Antonio lab	Los Angeles Directory Co.
	Natale Frank carmel	Los Angeles Directory Co.
1929	Natalie Frank Carmen	Los Angeles Directory Co.
	Louli Mary	Los Angeles Directory Co.

754 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	SWIFT BARBARA	Pacific Bell
1981	SWIFT BARBARA	Pacific Telephone
1942	Newcomer Ennis G Pearl	Los Angeles Directory Co.
1937	Krongaus Ruth	Los Angeles Directory Co.
	Krongaus Irving pharm	Los Angeles Directory Co.
	Krongaus Eva Mrs	Los Angeles Directory Co.
1933	DORRIS Margt	Los Angeles Directory Co.

FINDINGS

758 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	WILLIAMS F M	Pacific Bell
1981	JACOB	Pacific Telephone
1971	Chamblee Jacob	Pacific Telephone
1962	Chamblee Jacob	Pacific Telephone

759 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MCDANIEL CARRIE	Pacific Bell
1986	MC DANIEL CARRIE	Pacific Bell
1971	Sparks Naomi	Pacific Telephone
1962	Tatum Josephine	Pacific Telephone
1937	Kinion Everett A Mary K reprmn	Los Angeles Directory Co.
1933	Kinion Everett A Mary car repr	Los Angeles Directory Co.
	Kinion Clara clk	Los Angeles Directory Co.
1929	BELL Wm Ada	Los Angeles Directory Co.

807 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	MORRIS MARRIETTA	Pacific Bell
1971	Jones C L	Pacific Telephone
1962	Jones C L	Pacific Telephone
1942	Lien Lloyd J Mildred D fctwkr	Los Angeles Directory Co.
1937	Budas Edw F Beatrice fctywkr	Los Angeles Directory Co.
1933	LYNN Ralph slsmn	Los Angeles Directory Co.
	BENNETT David F Mary M slsmn	Los Angeles Directory Co.
	Dermont Frank auto mech	Los Angeles Directory Co.
1929	Mc Nulty Hamilton	Los Angeles Directory Co.

809 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	BURNS ALMOND	Pacific Bell
1986	BURNS ALMOND	Pacific Bell
1981	BURNS ALMOND	Pacific Telephone
1942	Leonheart Wesley Zada lab	Los Angeles Directory Co.
1937	PORTER Marguerite A librn Pub Library	Los Angeles Directory Co.
	JACOBS Geo W driver	Los Angeles Directory Co.
	PORTER Edith L Mrs	Los Angeles Directory Co.
1929	Mc KEE Fowler Cath casket tmr	Los Angeles Directory Co.

FINDINGS

810 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MARTINEZ JOSE L	Pacific Bell
1986	AVILA LUIS	Pacific Bell
1971	Levy Leola	Pacific Telephone
1962	Salgado Mary C	Pacific Telephone
	Salgado Consuelo	Pacific Telephone
1942	BLACK Benj Ida genl mdse	Los Angeles Directory Co.
1937	Black Alex clk	Los Angeles Directory Co.
	Black Benj Ida shoes	Los Angeles Directory Co.
1933	SCHWARTZ Michl Sarah chauf	Los Angeles Directory Co.
	SCHWARTZ Jos M Pharm Economic Drug Co	Los Angeles Directory Co.
1929	SCHWARTZ Michl Sarah h	Los Angeles Directory Co.
	SCHWARTZ Jos r	Los Angeles Directory Co.

814 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MOBLEY FANNIE	Pacific Bell
1986	MOBLEY WILBERT	Pacific Bell
1981	MOBLEY WILBERT	Pacific Telephone
1971	Mobley Wilbert	Pacific Telephone
1962	Mobley Wilbert	Pacific Telephone
1942	Velasquez Ernest Itula jwlr	Los Angeles Directory Co.
1937	De Yoeger Andw J Frances firemn LAFD	Los Angeles Directory Co.
1933	EDWARDS Alpha E Emma slsmn	Los Angeles Directory Co.
1929	VALENCIA Leslie N Mrs real est h	Los Angeles Directory Co.

818 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	POPE MYRTLE DAY	Pacific Bell
1986	POPE MYRTLE DAY	Pacific Bell
1981	POPE MYRTLE DAY	Pacific Telephone
1971	Pope Myrtle Day	Pacific Telephone
1942	Brim Leon L Gladys car ispr SP Co	Los Angeles Directory Co.
	SHAW Wm S ydmn Am Hardwood Co	Los Angeles Directory Co.
1937	SHAW Wm Della slsmn	Los Angeles Directory Co.
1933	SHAW Wm L Delia L lab	Los Angeles Directory Co.
1929	SHAW Wm S Della clk h	Los Angeles Directory Co.
	SHAW Delia L mach opr r	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	MALONE Lelda P clk	Los Angeles Directory Co.

819 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	FULLER ADDIE M	Pacific Bell
1986	FULLER ADDIE M	Pacific Bell
1981	FULLER ADDIE M	Pacific Telephone
1971	Johnson Addie M	Pacific Telephone
1962	Nigro Angelo	Pacific Telephone
1937	DE MARIA Louis Marguerite tailor	Los Angeles Directory Co.
1933	HOFFMAN Irene	Los Angeles Directory Co.
	HOFFMAN John cbtmkr	Los Angeles Directory Co.
1929	BRINK Paul Effie garage	Los Angeles Directory Co.

826 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	GREEN DERRICK	Pacific Telephone
1971	Haskins B	Pacific Telephone
	Hollins Otis	Pacific Telephone
1937	CROFT Neal acct	Los Angeles Directory Co.
	Hatch Clarence A Laura steelwkr	Los Angeles Directory Co.
1933	Mannick Harry Ruby clk	Los Angeles Directory Co.
1929	Hillis Clinton E Eliz real est	Los Angeles Directory Co.

830 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SHACKELFORD SAVANAH	Pacific Bell
1986	SHACKELFORD SAVANAH	Pacific Bell
1942	LOEHR Fred W Blanche shtmtlwkr	Los Angeles Directory Co.
	YOUNG Harold J aircrftwkr	Los Angeles Directory Co.
1937	Trilo Bernard Rose mldr	Los Angeles Directory Co.
1933	Mariolo Frank Jennie lab	Los Angeles Directory Co.
1929	ROWLAND Jas B lva hdw	Los Angeles Directory Co.
	h	Los Angeles Directory Co.

837 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Belton Marion	Pacific Telephone
1962	Carraby Louis Jr	Pacific Telephone
1942	Tatelman Sylvia Mrs	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	Alstot Benson F Mary tel installer	Los Angeles Directory Co.
1937	Rosencranz Alf	Los Angeles Directory Co.
	Rosenkranz Rena M emp Moderncraft Lndy Co	Los Angeles Directory Co.
1933	Guymon Richd N Laurette motor winder	Los Angeles Directory Co.
1929	ALBRECHT J Edw Joanna slsmn	Los Angeles Directory Co.
	Tuchfarber Helen B clk r	Los Angeles Directory Co.

838 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	HACKETT VIRGIE S	Pacific Bell
1981	HACKETT VIRGIE	Pacific Telephone
1971	Hackett Virgie	Pacific Telephone
1942	THOMAS Wm H Florence millwright	Los Angeles Directory Co.
	Bouten Frank D Ruth glassmkr	Los Angeles Directory Co.
1937	Quigley Wm chauf	Los Angeles Directory Co.
1933	Quigley Wm Sadie chauf	Los Angeles Directory Co.
1929	Quigley Wm Sarah chauf h	Los Angeles Directory Co.

839 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	VILLALOBOS EVA	Pacific Bell
1981	WHITE MOSES	Pacific Telephone
1971	Diven Clara Mrs	Pacific Telephone
	Wilson Oliver	Pacific Telephone
1962	Diven Clara Mrs	Pacific Telephone
	Long Marie	Pacific Telephone
1942	Diven Jesse M Clara pntr	Los Angeles Directory Co.
	PATTEN Minnie Mrs	Los Angeles Directory Co.
1937	Melton Hubert E Verna baker	Los Angeles Directory Co.
1933	Carter C C	Los Angeles Directory Co.
1929	Margulies Harry Bessie slsmn	Los Angeles Directory Co.

841 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	SMITH ALBERTHA	Pacific Telephone
1971	Smith Albertha	Pacific Telephone
1962	Willis Juanita B	Pacific Telephone
	Jackson Rachel	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	KELLEY John R Dorothy emp Star Radiator Co	Los Angeles Directory Co.
	Knight Arth G May clk	Los Angeles Directory Co.
1937	PEYTON Jos Nellie uphol	Los Angeles Directory Co.
	Diven Jesse D Clara pntr	Los Angeles Directory Co.
1933	GRIFFIN Frank S Vinetto clk	Los Angeles Directory Co.
	Etick Ralph Ethel garmt ctr	Los Angeles Directory Co.
	Etick Ethel clk	Los Angeles Directory Co.
	Diven Jess M Clara pntr	Los Angeles Directory Co.
1929	ROSE Maxwell L Helen drftsmn Hilgartner Marble Co h	Los Angeles Directory Co.

843 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MICHEL LETICIA M	Pacific Bell
1986	BONNER DIANE	Pacific Bell
1981	LAWSON HOSEA	Pacific Telephone
1971	Lawson Hosea	Pacific Telephone
1962	Lawson Hosea	Pacific Telephone
1942	Klausman Wm D jr Ivy F clk	Los Angeles Directory Co.
1937	Klausman Wm D Ivy clk	Los Angeles Directory Co.
1933	ROSE Dorothy clk	Los Angeles Directory Co.
	ROSE Leigh L Fay civ eng City Eng	Los Angeles Directory Co.
	ROSE Marie br mgr Van de Kamps	Los Angeles Directory Co.
	ROSE Maxwell L Helen slsmn W D Dunham	Los Angeles Directory Co.
1929	ROSE Leigh L Fay jr civ eng City Eng h	Los Angeles Directory Co.
	ROSE Marie E r	Los Angeles Directory Co.

844 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	BECKER HAROLD E	Pacific Telephone
1971	Becker Harold E	Pacific Telephone
1937	SMITH Harold H Mildred mach	Los Angeles Directory Co.
1933	Tuttleton Malcolm clk	Los Angeles Directory Co.
	Tuttleton Jenniae V Mrs dresses	Los Angeles Directory Co.
	Tuttleton Alf Genevieve cbtmkr	Los Angeles Directory Co.
1929	Tuttleton Alf Jennie h	Los Angeles Directory Co.
	Tutbleton Jean V Carr & Tutbleton r	Los Angeles Directory Co.

FINDINGS

846 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	CHAVIES WILLIE MAE	Pacific Bell
1986	CHAVIES WILLIE MAE	Pacific Bell
1981	CHAVIES WILLIE MAE	Pacific Telephone
1971	Ford Osie	Pacific Telephone
1962	Ford Osle	Pacific Telephone
1942	Massion Jacob drugs	Los Angeles Directory Co.
	Glavin Harold P Louise	Los Angeles Directory Co.
	Glavin Barnard L Blanche clk	Los Angeles Directory Co.
	Chiechi Nich Mary grinder	Los Angeles Directory Co.
1937	Glavin Bernard L Blanche stockmn Barker Bros	Los Angeles Directory Co.
	Glavin Ralph lab	Los Angeles Directory Co.
1933	Glavin Bernard L Blanche stockmn Barker Bros	Los Angeles Directory Co.
1929	Glavin Bernard Blanch clk	Los Angeles Directory Co.
	Glavin Jos J sawyer	Los Angeles Directory Co.

847 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	MOORE EDW	Pacific Bell
1942	Cito Ernest Minnie shoe fnshr	Los Angeles Directory Co.
	Scavocito Minnie Mrs mach opr	Los Angeles Directory Co.
1937	NISSON Ray J Bernice garage	Los Angeles Directory Co.
	Molina Albt Petra fctywkr	Los Angeles Directory Co.
1933	ANDERSON Morton C Violet slsmn pittsburgh Erie Saw Corp	Los Angeles Directory Co.
1929	PETERSEN Walter C technician	Los Angeles Directory Co.
	PETERSEN Theo H Dora pntr	Los Angeles Directory Co.

848 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	SLAUGHTER JUNLOUS	Pacific Bell
1962	Owens Millie	Pacific Telephone

850 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	ROYAL KENNETH	Pacific Bell
1942	TAYLOR Frank R Dorothy clk	Los Angeles Directory Co.
1933	HARRISON Lewis clk	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1933	HARRISON Eliz drsmkr	Los Angeles Directory Co.
	TAYLOR Frank R Dorothy clk	Los Angeles Directory Co.
1929	HARRISON Lewis clk	Los Angeles Directory Co.
	TAYLOR Frank R Dorothy clk h	Los Angeles Directory Co.

851 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	RAY DOROTHY	Pacific Bell
1986	RAY DOROTHY	Pacific Bell
1981	RAY DOROTHY	Pacific Telephone
1971	A & A Williams Jantrl serv	Pacific Telephone
1942	Iverson John C Mary	Los Angeles Directory Co.
1937	Berryman Claude E Ella driver	Los Angeles Directory Co.
	GRAVES John H Agnes	Los Angeles Directory Co.
1933	WEBER Anthony shtmtlwkr	Los Angeles Directory Co.
	Keough Elsie tel opr	Los Angeles Directory Co.
	IVERSON John C Cecelia J mach	Los Angeles Directory Co.
1929	HAYES John F Eula chauf	Los Angeles Directory Co.

852 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	VAUGHNS L M	Pacific Telephone
1971	Hamilton Maurice	Pacific Telephone
1962	Rainey Ethel	Pacific Telephone
1942	Milam Essie garmtwkr	Los Angeles Directory Co.

855 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	ESPINOSA LUCILLA	Pacific Bell
1986	JOHNSON HUGH J	Pacific Bell
1971	Johnson Hugh J	Pacific Telephone
	Byas Toby	Pacific Telephone
1962	Johnson Hugh J	Pacific Telephone
1942	MYER Theo A Marie	Los Angeles Directory Co.
1937	MEYER Theo A Marie C	Los Angeles Directory Co.
	Mullins Barney Evelyn rubberwkr	Los Angeles Directory Co.
1933	MEYER Theo A Marie	Los Angeles Directory Co.
1929	SUTTON Jos r	Los Angeles Directory Co.

FINDINGS

859 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LEXING IRA	Pacific Bell
1986	LEXING IRA	Pacific Bell
1981	LEXING IRA	Pacific Telephone
1962	Crutcher Eddie	Pacific Telephone
1942	Towner Edith E adv	Los Angeles Directory Co.
	Towner Harold L Edith weider	Los Angeles Directory Co.
1937	Towner Harold Edith bartndr	Los Angeles Directory Co.
1933	Daggi Chas Virginia	Los Angeles Directory Co.
1929	Daggi Carlo Virginia welder	Los Angeles Directory Co.

733 1/2 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	CERRITOS ALEJANDRO I	Pacific Bell

837 1/2 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	LEE SARAH	Pacific Telephone

839 1/2 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	ARANDA MANUEL	Pacific Bell

849 1/2 E 77TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	RILEY HOWARD JR	Pacific Telephone

E 77TH ST

700 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a STORMS Herbert	Haines Company, Inc

703 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FERRELLR	Haines Company, Inc

705 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a ROCHA Ella	Haines Company, Inc
	PARRA Uoana	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Cozier Leslie	Pacific Telephone
1958	Cozier Leslie	Pacific Telephone

706 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	McGinnis Pauline	Pacific Telephone
	McGinnis Eugenia	Pacific Telephone
1958	Mc Ginnis Pauline	Pacific Telephone

709 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a SIMMONS Cornelia	Haines Company, Inc

710 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VASQUEZ Francisco a	Haines Company, Inc
	CRUZ Christne	Haines Company, Inc
	VAZQUEZ Francisco	Haines Company, Inc
1967	Callahan Henry L	Pacific Telephone

713 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FAUSTO Eduardo	Haines Company, Inc
1967	Howell Joe Pearl	Pacific Telephone
1958	Howell Joe Pearl	Pacific Telephone

714 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a SWAYNE Victor	Haines Company, Inc
1967	Stokes Richard H	Pacific Telephone
1958	Stokes Richard H	Pacific Telephone

717 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VALENZUELA Abel	Haines Company, Inc
1958	Mc Glover Andrew	Pacific Telephone

718 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PEREZ Mara	Haines Company, Inc
	PONCE Andres	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Estrada C	Pacific Telephone

721 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MADERO Javier	Haines Company, Inc
1967	Tabb Rose Mrs	Pacific Telephone

722 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GLOVER Tracy	Haines Company, Inc
	a FERRELL Lorata	Haines Company, Inc
1967	Thompson Willie L	Pacific Telephone
1958	Thompson Percy	Pacific Telephone

725 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TAPLIN Edward	Haines Company, Inc
	a NOLAN Ernest	Haines Company, Inc
1967	Soto Patrick	Pacific Telephone
1958	Soto Patrick	Pacific Telephone

726 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a COSTON Mary	Haines Company, Inc
1995	Coston Frederick	Pacific Bell
1967	Coston Frederick	Pacific Telephone
1958	Coston Frederick	Pacific Telephone

729 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NOLAND Mildred	Haines Company, Inc
1967	Rhodes Clarence	Pacific Telephone
1958	Rhodes Clarence	Pacific Telephone

730 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a TILLMAN Henry	Haines Company, Inc

731 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NOLAN Mildred J	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Nolan Mildred J	Pacific Bell
1958	Turner E	Pacific Telephone

733 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VASQUEZ Rafael	Haines Company, Inc
1967	Garrett Lena Mae	Pacific Telephone
1958	Thompson Dave Leon	Pacific Telephone
	Thompson Frances	Pacific Telephone
	Titmus Cora A	Pacific Telephone

734 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ROCHAJuan	Haines Company, Inc
	a GUZMANSixton	Haines Company, Inc
1967	Gray Willie Lee	Pacific Telephone
1958	Hendershott A W	Pacific Telephone

737 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TORRES Salvador	Haines Company, Inc
1958	Kocourek Geo L	Pacific Telephone

738 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MCCORMICKSarah	Haines Company, Inc
1967	McCormick Sarah	Pacific Telephone
1958	Mc Cormick Sarah	Pacific Telephone

740 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a OCAMPO Manuel a	Haines Company, Inc
1958	Natale Anthony G	Pacific Telephone

742 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JUAREZ Silvia	Haines Company, Inc

743 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HERNANDEZ Felix	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a LOPEZJDsel Ino	Haines Company, Inc
1967	Smith B J	Pacific Telephone
1958	Smith B J	Pacific Telephone

746 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MENDOZA Luls M	Haines Company, Inc
1958	Holloway Richard	Pacific Telephone

747 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BAEZAJose	Haines Company, Inc
	CERVANTES Jesus	Haines Company, Inc
1958	Sapp Mary	Pacific Telephone

748 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LOPEZJaime R	Haines Company, Inc
	a RODRIGUEZ Jaiee	Haines Company, Inc
	Alberto	Haines Company, Inc
	GARCIARODRIGUE	Haines Company, Inc
1967	Jones Alvin	Pacific Telephone
1958	Jones Alvin	Pacific Telephone

751 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VASQUEZAnieto a	Haines Company, Inc
1967	OHara Mable	Pacific Telephone
1958	OHara Mable	Pacific Telephone

754 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a SANDERS Shirey	Haines Company, Inc
1958	Rodriguez Geronimo	Pacific Telephone

755 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a CROUCH Billy	Haines Company, Inc
1958	Shaffer Adron	Pacific Telephone

FINDINGS

757 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o CROUCH Kevin D	Haines Company, Inc

758 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a PUNCH Odell	Haines Company, Inc
1967	Chamblee Jacob	Pacific Telephone
1958	Nusinow Ben	Pacific Telephone

759 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	OCHOA Garcia Jose L	Haines Company, Inc
	RAMIREZ Maurido	Haines Company, Inc
1967	Sparks Naomi	Pacific Telephone
	Sparks Naomi	Pacific Telephone

803 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
1967	Sims Henry A Mrs	Pacific Telephone
1958	Hubbard Vermelle	Pacific Telephone

806 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a BARDLEY Jeanette	Haines Company, Inc
1967	Thompson Comer	Pacific Telephone
1958	Thompson Comer	Pacific Telephone

807 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a CARTER Helen	Haines Company, Inc
1967	Jones C L	Pacific Telephone
1958	Jones C L	Pacific Telephone

809 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a UTSEY Willie	Haines Company, Inc
1967	Jones Glenda	Pacific Telephone

FINDINGS

810 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NAVARRETE Manuel	Haines Company, Inc
1967	Davis Cornell	Pacific Telephone
	Levy Dave	Pacific Telephone
1958	Salgado Consuelo	Pacific Telephone

E 77th St

811 E 77th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	CAL VENDING	EDR Digital Archive

E 77TH ST

811 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Jones Linda Faye	Pacific Telephone

814 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a CARRPLLOPedro	Haines Company, Inc
1967	Mobley Wilbart	Pacific Telephone
1958	Soffarelli Louie	Pacific Telephone

815 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a DAWKINS Henry	Haines Company, Inc
1958	Woods Elizabeth	Pacific Telephone

818 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a BORTHWELL Palrica	Haines Company, Inc
	LONDON Theresa	Haines Company, Inc

819 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a FULLER Addle M	Haines Company, Inc
1967	Nigro Angelo	Pacific Telephone
1958	Nigro Angelo	Pacific Telephone

FINDINGS

822 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a FULLER Marshall	Haines Company, Inc
1958	Garrett Edwin R Mrs	Pacific Telephone

823 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a ELVIRA Daniel	Haines Company, Inc

826 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MENDOZA Beatriz a RODRIGUEZ Rosa M	Haines Company, Inc
1958	Williams Loyless	Pacific Telephone

E 77th St

827 E 77th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SEEDS OF HOPE	EDR Digital Archive
2010	SEEDS OF HOPE	EDR Digital Archive

E 77TH ST

827 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a JOHNSON Wanda	Haines Company, Inc
1967	Stafford Helen	Pacific Telephone
1958	Harris Millie	Pacific Telephone

830 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Frederick	Haines Company, Inc
	SCHACKELFORD	Haines Company, Inc
1958	Haley Ed	Pacific Telephone

831 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MANCIAJova	Haines Company, Inc
1967	Thomas Vernona	Pacific Telephone

FINDINGS

833 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Yaffe Lena	Pacific Telephone

834 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JENKINS Thelma	Haines Company, Inc
	a MCCRAW Vera	Haines Company, Inc
1958	Rader W E	Pacific Telephone

E 77th St

835 E 77th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	DAY CARE FOR YOU	EDR Digital Archive

E 77TH ST

835 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RODRIGUEZRosa	Haines Company, Inc
1958	Russell Anna	Pacific Telephone
	Fernandez Georgia M Mrs	Pacific Telephone

837 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
1967	Baker Beatrice	Pacific Telephone
	Belton Marion	Pacific Telephone
1958	Berrien Eda	Pacific Telephone

838 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc

839 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
1967	Wilson Oliver	Pacific Telephone
	Diven Clara Mrs	Pacific Telephone
1958	Diven Clara Mrs	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Long Marle	Pacific Telephone

841 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LOPEZ Pahtdo	Haines Company, Inc
1958	Jackson Rachel	Pacific Telephone
	Willis Juanita B	Pacific Telephone

842 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SANCHEZ Domingo	Haines Company, Inc

843 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a SANSON Joaquin	Haines Company, Inc
1967	Lawson Hosea	Pacific Telephone
1958	Lawson Hosea	Pacific Telephone

844 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ROA Sandra	Haines Company, Inc
	Va 2 PEREZ Glora I	Haines Company, Inc
1958	Becker Harold E	Pacific Telephone

846 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHAVIES Wille Mae	Haines Company, Inc
	FABYToya	Haines Company, Inc
	a SLAUGHTER Junlous	Haines Company, Inc
1967	Ford Osle	Pacific Telephone
1958	Owens Millie	Pacific Telephone
	Ford Osie	Pacific Telephone

847 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc

848 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc

FINDINGS

849 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc

850 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RICHIE Willam	Haines Company, Inc

851 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MONTES Jose	Haines Company, Inc
	SANTIAGO Gloria	Haines Company, Inc
1958	Harrell Mable	Pacific Telephone

852 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	E 6 K J BALLOONS	Haines Company, Inc
	FLOWERS	Haines Company, Inc
1967	Hamilton Maurice	Pacific Telephone
1958	Rainey Ethel	Pacific Telephone

853 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	EVANS Kenya	Haines Company, Inc

854 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HERNANDEZ	Haines Company, Inc
	Armando	Haines Company, Inc
1967	Jackson Harold A Jr	Pacific Telephone
1958	Malone Hal Mrs	Pacific Telephone

855 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ULLOA Paula	Haines Company, Inc
1967	Johnson Hugh J	Pacific Telephone
	Byas Toby	Pacific Telephone
1958	Johnson Hugh J	Pacific Telephone

856 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc

FINDINGS

857 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHAVEZ Raymundo	Haines Company, Inc

E 77th St

859 E 77th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	IRAS MUTLI SHOP	EDR Digital Archive

E 77TH ST

859 E 77TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a LEXING Ira	Haines Company, Inc
1958	Crutcher Eddie	Pacific Telephone

E 77th St

903 E 77th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	77 STREET MDSNG	EDR Digital Archive
	INTELLINET HOSTING	EDR Digital Archive

E 78TH

703 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	DORSEY S	Pacific Bell
1971	Smith Malcolm T	Pacific Telephone
1942	Suessbrink Richd G Leona weaver	Los Angeles Directory Co.
1937	Suessbrich Richd G Leona weaver	Los Angeles Directory Co.

710 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MARTINEZ JULIO A	Pacific Bell
1971	Harris Mary Jo	Pacific Telephone
	Thrifty Veteran Maintenance & Painting	Pacific Telephone
1962	Keith Ann Mrs	Pacific Telephone
1937	KEITH Mary	Los Angeles Directory Co.
	KEITH Wm C Rose mach	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1933	De Vy Walter	Los Angeles Directory Co.
	Ibbottson Jas A Jessie carp	Los Angeles Directory Co.
1929	Devy Walter Mildred linemn	Los Angeles Directory Co.

715 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LONON DELLA	Pacific Bell
1986	LONON DELLA	Pacific Bell
1981	LONON HERMAN J	Pacific Telephone
1942	ANDERSON Charlotte L tchr Pub Sch	Los Angeles Directory Co.
	ANDERSON Cecil H Charlotte millmn	Los Angeles Directory Co.
1937	Yaxel Al	Los Angeles Directory Co.
	Yeazell Albt caretkr Dept Playgrounds & Recreation	Los Angeles Directory Co.
1933	Yeazel Albt W Ida	Los Angeles Directory Co.

719 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	COLEMAN EURIDEE	Pacific Bell
1986	COLEMAN EURIDEE	Pacific Bell
1981	COLEMAN EURIDEE	Pacific Telephone
1971	Coleman Euridec	Pacific Telephone
1962	Coleman Euridee	Pacific Telephone
1942	Graveline Cecil E Lottie brklyr	Los Angeles Directory Co.
1937	Graveline Cecil E Charlotte brklyr	Los Angeles Directory Co.
	Graveline Lottie Mrs clk	Los Angeles Directory Co.
1933	Mancino Jos J Rose printer	Los Angeles Directory Co.
1929	WYCKOFF Max E Mabel slsmn h	Los Angeles Directory Co.

723 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	JONES DAVID R	Pacific Bell
1986	JONES DAVID R	Pacific Bell
1981	JONES DAVID R	Pacific Telephone
1962	Rinehart Viola	Pacific Telephone
1937	La Biane E O Peter car clnr	Los Angeles Directory Co.
	Gurr Edw A Eva garmt ctr	Los Angeles Directory Co.
1933	Linder Danl R Margt auto mech	Los Angeles Directory Co.
	Linder Carol sten	Los Angeles Directory Co.

FINDINGS

731 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SANDERS MAY	Pacific Bell
1971	Cross Paul	Pacific Telephone
1942	HORTON King H Gladys mach	Los Angeles Directory Co.
	KING Harry H mach	Los Angeles Directory Co.
	Childers Evangeline L Mrs atdt Genl Hosp	Los Angeles Directory Co.
1937	Shirah Leonard May mach	Los Angeles Directory Co.
1933	THOMAS Geo Kath lab	Los Angeles Directory Co.
1929	MEREDITH Stanley R plmbr	Los Angeles Directory Co.
	Yankee Edw Amelia carp h	Los Angeles Directory Co.

734 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	JONES FANNIE	Pacific Bell
1986	JONES FANNIE	Pacific Bell
1981	JONES SHEILA A	Pacific Telephone
	JONES FANNIE	Pacific Telephone
1971	Jones Fannie	Pacific Telephone
1962	Allen Homer W	Pacific Telephone
1942	ALLEN Homer W Dora	Los Angeles Directory Co.
1937	Govan Geo A Jean dftsmn Western Ornamental Iron Wks	Los Angeles Directory Co.
1933	JOHNSON Jas J Marie elec eng	Los Angeles Directory Co.

735 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	WILLIAMS VICTORIA	Pacific Bell
1986	WILLIAMS VICTORIA	Pacific Bell
	WILLIAMS CLARENCE	Pacific Bell
1981	WILLIAMS CLARENCE	Pacific Telephone
	WILLIAMS VICTORIA	Pacific Telephone
1971	Williams Clarence	Pacific Telephone
	Williams Victoria	Pacific Telephone
1962	Angelo Jos	Pacific Telephone
1942	CUNNINGHAM Robt E Hjordes surv Co Surv	Los Angeles Directory Co.
	GARDNER Richd H lab Co Surv	Los Angeles Directory Co.
1937	Jarvis Walter F Pearl bkpr Golden Bear Cookie Co	Los Angeles Directory Co.
1933	Well Frances wid Frank	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	BLACKBURN Roy H Joanna Blackburn & Metzler	Los Angeles Directory Co.

738 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	JOHNSON PEGGY	Pacific Bell
1986	JOHNSON PEGGY	Pacific Bell
1971	Walker Andrew W	Pacific Telephone
1962	Walker Addie N	Pacific Telephone
1942	POTTER Wm F Lida	Los Angeles Directory Co.
1937	Bartholome Richd R Heazel E	Los Angeles Directory Co.
1933	SIMMONS Lewis G Emma jan	Los Angeles Directory Co.
	Rempel Henry P Kath meat ctr	Los Angeles Directory Co.
1929	DOKE Thos W Olive welder	Los Angeles Directory Co.

742 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	TUCKER DOROTHY M	Pacific Telephone
1971	West Frank	Pacific Telephone
1962	Pitts Deloris A	Pacific Telephone
1942	Eymann Eug C Lydia formn Pac Mut Bldg	Los Angeles Directory Co.
	Eynmann Eug C Lydia pasteurizer	Los Angeles Directory Co.
1937	Eymann Eug C Lydia formn Pac Mut Bldg	Los Angeles Directory Co.
1933	Eymann Eug C Lydia formn Pac Mut Bldg	Los Angeles Directory Co.
1929	Eymann Eug Lydia formn Pac Mut Bldg	Los Angeles Directory Co.

743 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SOTO ROBERTO	Pacific Bell
1986	RANKINS IMOGENE	Pacific Bell
1981	RANKINS IMOGENE	Pacific Telephone
1971	Rankins Imogene	Pacific Telephone
1942	Fite Jas O Georgia police	Los Angeles Directory Co.
	Fite Chas L musician	Los Angeles Directory Co.
1937	Fite Jas O Georgia police	Los Angeles Directory Co.
1933	Fite Jas O Georgia police	Los Angeles Directory Co.
1929	Fite Jas O Georgia police	Los Angeles Directory Co.
	BURTON Lawrence J steward S P Co	Los Angeles Directory Co.

FINDINGS

745 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	JOHNSON CLYDE	Pacific Telephone
1971	Johnson Clyde	Pacific Telephone
1942	MAPLE Claude A Stella fctywkr	Los Angeles Directory Co.
1929	WHITE Rubv checker r	Los Angeles Directory Co.

750 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	PINSON GENEVA	Pacific Bell
1962	Garcia Lucy	Pacific Telephone
	Garcia Jose	Pacific Telephone
1937	Santley Robt J jan	Los Angeles Directory Co.
1933	STANLEY Robt trainmn	Los Angeles Directory Co.
1929	Santley Robt J mach r	Los Angeles Directory Co.

752 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	COLLINS DELORES	Pacific Telephone

754 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	REDWINE LETICIA	Pacific Bell
1971	Garcia Jose Q	Pacific Telephone
1962	Fuentes Conception	Pacific Telephone
	Fuentes Dolores	Pacific Telephone
1942	Hacker Edw	Los Angeles Directory Co.
1937	Hacker R Edw Rose carp	Los Angeles Directory Co.
1933	TEMPLE W Ray Nida lab	Los Angeles Directory Co.
	WATSON Al electn	Los Angeles Directory Co.
	WATSON Edna Indywkr	Los Angeles Directory Co.
	WATSON Elton C electn	Los Angeles Directory Co.
	WATSON Frank J Clara clk	Los Angeles Directory Co.
1929	WATSON Edna Indywkr r	Los Angeles Directory Co.
	WATSON Elton electn r	Los Angeles Directory Co.
	WATSON Frank J Clara clk h	Los Angeles Directory Co.

759 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	WHITE KARL	Pacific Bell
	HOLLEY EDDIE B	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	WHITE KARL	Pacific Bell
	HOLLEY EDDIE B	Pacific Bell
1981	WHITE KARL	Pacific Telephone
	HOLLEY EDDIE B	Pacific Telephone
1971	Holley Eddie B	Pacific Telephone
1962	Bertrand Will	Pacific Telephone
1942	Moe Grant Ruth clk	Los Angeles Directory Co.
	HENRY Hilda Mrs cook	Los Angeles Directory Co.
1937	MOE John M Emma	Los Angeles Directory Co.
	HENRY Hilda Mrs cook	Los Angeles Directory Co.
1933	HENRY Saml E Hilda lawyer	Los Angeles Directory Co.

811 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	VELA MARIA DEL CARMEN	Pacific Bell
1986	VELA MARIA DEL CARMEN	Pacific Bell
1962	Taylor Richard Mrs	Pacific Telephone
1942	Whipple Harold B Irene electn	Los Angeles Directory Co.
1937	SCHWARTZ Albt Mabel uphol	Los Angeles Directory Co.
	Ellis Grace M wid Albt	Los Angeles Directory Co.
	Ellis Beatrice	Los Angeles Directory Co.
1933	Munson Clyde Gladys roofer	Los Angeles Directory Co.
1929	Van Oss Clarence Rose plmbr h	Los Angeles Directory Co.

819 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	RILEY SHANG	Pacific Bell
1981	RILEY SHANG	Pacific Telephone
1971	Riley Shang	Pacific Telephone
1962	Riley Shayne	Pacific Telephone
1942	Cuccia Josephine wid Michl	Los Angeles Directory Co.
	Cuccia Jas	Los Angeles Directory Co.
1937	Plumleigh Thos M slsmn E I Wallace Co	Los Angeles Directory Co.
1933	DYKES Edgar M Dorothy tireblldr	Los Angeles Directory Co.
1929	WRIGHT Nora Mrs Indywkr r	Los Angeles Directory Co.
	WRIGHT Clyde L Nora h	Los Angeles Directory Co.

FINDINGS

823 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	TOLLIVER ALBERT	Pacific Telephone
1971	Richardson Ervin	Pacific Telephone
1942	JONES Duran D mech	Los Angeles Directory Co.
1937	Orpin Robt M Eunice driver	Los Angeles Directory Co.
1933	Whiteside Avery J Mary rig bldr	Los Angeles Directory Co.
1929	Atwood Wallace Audrey chauf	Los Angeles Directory Co.
	Durham Martha J Mrs	Los Angeles Directory Co.
	HILL K F welder	Los Angeles Directory Co.

825 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	HUGHES JOHN H	Pacific Bell
1981	HUGHES JOHN H	Pacific Telephone
1971	Lowe Wm J	Pacific Telephone
1962	Moore Vera	Pacific Telephone
1942	JONES Demps N Abbie carp	Los Angeles Directory Co.
1937	EARNEST Richd bkpr Gittleson Bros Inc	Los Angeles Directory Co.
1933	HELM Raymond J Lois carp	Los Angeles Directory Co.

827 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	WARREN TRAVELLIL	Pacific Telephone
1971	Warren Travellil	Pacific Telephone
1962	Warren Traveiilil	Pacific Telephone
1942	Rand Fred L Ellen A shoe repr	Los Angeles Directory Co.
1937	Rand Fred L Ellen A shoe repr	Los Angeles Directory Co.
	Rand Dorothy E typist S FN Bank	Los Angeles Directory Co.
1933	Rand Fred F Ellen A	Los Angeles Directory Co.
1929	ORR Jos H slsmn D S Bread Co	Los Angeles Directory Co.
	WALSH Jas Cath slsmn h	Los Angeles Directory Co.

831 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	PARKER LUELLA	Pacific Bell
1986	PARKER LUELLA	Pacific Bell
1981	PARKER LUELLA	Pacific Telephone
1971	Parker Luella	Pacific Telephone
1962	Parker Luella	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	Gurasich Mary Mrs beauty opr	Los Angeles Directory Co.
1937	Caughhorn Harold Agnes fctywkr	Los Angeles Directory Co.
	Cauthorn Harold R driver	Los Angeles Directory Co.
1933	CUMMINGS Arth L mach	Los Angeles Directory Co.
	De Caro Donald J factywkr	Los Angeles Directory Co.
	De Caro Geo box mkr	Los Angeles Directory Co.
	De Caro Jennie wid Anthony	Los Angeles Directory Co.
	De Caro Laura factywkr	Los Angeles Directory Co.
	De Caro Laura factywkr	Los Angeles Directory Co.
1929	CHAPMAN Jos G barber	Los Angeles Directory Co.

835 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	JOHNSON SANDRA	Pacific Telephone
1962	Osborne John M	Pacific Telephone
1942	OSBORNE John M Gertrude oilwkr	Los Angeles Directory Co.
1937	OSBORNE John M Gertrude oilwkr	Los Angeles Directory Co.
	OSBORNE J Omar	Los Angeles Directory Co.
	OSBORNE Helen M	Los Angeles Directory Co.
1933	OSBORNE John M Gertrude oilwkr	Los Angeles Directory Co.
1929	Helfman Florine clk	Los Angeles Directory Co.
	Helfman Alf clk	Los Angeles Directory Co.

845 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	DARDEN L	Pacific Bell
1986	DARDEN L	Pacific Bell
1942	BRADLEY Una L wid Jas smstrs	Los Angeles Directory Co.

847 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MAXWELL YOLANDA	Pacific Bell
	MAXWELL YOLANDA	Pacific Bell
1971	Jones Rosie Lee	Pacific Telephone
1942	Stathatos Mike S Dorthelia elctn	Los Angeles Directory Co.
1937	BRADLEY Una wid J T	Los Angeles Directory Co.
	BRADLEY Jesse J clk	Los Angeles Directory Co.
	BRADLEY Geo D clk	Los Angeles Directory Co.
1933	Nale Hezzie Gladys millmn	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Linear Wm Bettie meat ctr	Los Angeles Directory Co.
	Linder Wm Bettie lab	Los Angeles Directory Co.

849 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	PIERCE MILLIE MAE	Pacific Bell
1986	PIERCE MILLIE MAE	Pacific Bell
1981	PIERCE MILLIE MAE	Pacific Telephone
1971	Pierce Millie Mae	Pacific Telephone
1962	Johnson Henry	Pacific Telephone
1942	Barnett Chas L Lillian electn	Los Angeles Directory Co.
1937	MANN Jas R furn fnshr	Los Angeles Directory Co.
	MANN Ola Mrs	Los Angeles Directory Co.
1933	Linder Wm Betty carp	Los Angeles Directory Co.

851 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MUNSON JOANN	Pacific Bell
1986	MUNSON JOE ANN	Pacific Bell
1981	MUNSON JOE ANN	Pacific Telephone
1971	Munson Joe Ann	Pacific Telephone
1962	Munson Joe Ann	Pacific Telephone
1942	Mc GUFFIN Robt C Vivian slsmn	Los Angeles Directory Co.
1937	Merrick Jack E Ruth factywkr	Los Angeles Directory Co.
1933	MOORE John hlpr Pac Sign Co	Los Angeles Directory Co.

853 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	JOHNSON NEAL SR MIN	Pacific Telephone
	FULTZ C L	Pacific Telephone
1942	Lindner Raymond W Annie cbtmkr	Los Angeles Directory Co.
1937	Everett Benj E Mary F driver	Los Angeles Directory Co.

855 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	JONES JAYNELL R	Pacific Bell
1986	JONES JAYNELL R	Pacific Bell
1942	ORR Wm G Marion clk	Los Angeles Directory Co.
1937	BENNETT Rupert driver	Los Angeles Directory Co.
	ORR Wm G Marvin M clk	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1933	Butcher Glenn Glessie chauff	Los Angeles Directory Co.
1929	BRIDGES Laurie uphol	Los Angeles Directory Co.

859 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	DEWBERRY ANNIE	Pacific Bell
1981	DEWBERRY ANNIE	Pacific Telephone
1971	Jones Nat	Pacific Telephone
1962	Jones Sarah	Pacific Telephone
	Jones Roosevelt	Pacific Telephone
1937	Kent David P Evelyn E driver	Los Angeles Directory Co.
1933	Tisdale Donald C Hazel police	Los Angeles Directory Co.
1929	WALDEN Adolf Josephine cook h	Los Angeles Directory Co.
	PAUL Wm jan	Los Angeles Directory Co.
	PAUL Geo N Ethel chauff	Los Angeles Directory Co.

903 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	WILKERSON MAGGIE	Pacific Bell
1986	WILKERSON MAGGIE	Pacific Bell
1971	Harden Chris	Pacific Telephone
	Watton Mary	Pacific Telephone
1962	Harden Chris	Pacific Telephone
	Watton Mary	Pacific Telephone
1942	OHern Clifford C Lena slsmn Crook Co	Los Angeles Directory Co.
1937	HOFFMAN Irvin J installer Natl Venetian Blind Co	Los Angeles Directory Co.
1933	Trantham Merle clk	Los Angeles Directory Co.
	Trantham Luther O Bernice bread slicer	Los Angeles Directory Co.
1929	FORREST Harrison D May clk	Los Angeles Directory Co.

742 1/2 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	TUCKER DOROTHY M	Pacific Telephone

745 1/2 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	SPARKS DORIS	Pacific Telephone

FINDINGS

847 1/2 E 78TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	JONES ROSIE LEE	Pacific Telephone

E 78TH ST

701 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	OJOSEPHSnonne	Haines Company, Inc
1967	Clasper Gracie	Pacific Telephone
1958	Salsberry Jeannette O Mrs	Pacific Telephone

703 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
1958	Suessbrich Leona Mrs	Pacific Telephone

706 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GARCIA Angel	Haines Company, Inc

707 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LOPEZ Heter	Haines Company, Inc
1967	Rosebury John	Pacific Telephone
1958	Franklin Lonnie D	Pacific Telephone

710 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PEREZGilberto	Haines Company, Inc
	ANGELES Glibeto	Haines Company, Inc

711 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MORALES Pablo	Haines Company, Inc
1958	Weeks Claude W	Pacific Telephone

714 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LORENSITOAansnds	Haines Company, Inc
1958	Stephens Irene Mrs	Pacific Telephone

FINDINGS

715 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RAMIREZ Salvador	Haines Company, Inc

718 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	2 ZUNIGAAlonao	Haines Company, Inc
1958	Banks Henry	Pacific Telephone

719 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	EURIDEEColeman a COLEMAN Euridee	Haines Company, Inc Haines Company, Inc
1967	Coleman Euridee	Pacific Telephone
1958	Coleman Euridee	Pacific Telephone

720 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GARCA Elizabeth	Haines Company, Inc
1967	Bell G	Pacific Telephone
1958	Bell G	Pacific Telephone

722 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CAMPOS Rosas FUENTESAdan	Haines Company, Inc Haines Company, Inc

723 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a BENITEZ Fredi	Haines Company, Inc
1967	Jackson Haskell E	Pacific Telephone
1958	Zuniga Wm J	Pacific Telephone

724 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	West Sylvester	Pacific Telephone

726 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MCDOWELL Dwight A FUENTES Rafael A	Haines Company, Inc Haines Company, Inc
1967	Olivas Menuela	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Olivas Evaristo	Pacific Telephone

727 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TATE Margaret	Haines Company, Inc
1967	Hudson L C	Pacific Telephone

730 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Morris Donna Ray	Pacific Telephone

731 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a SANDERS Ginnefte	Haines Company, Inc
1958	Shealey Charlie P	Pacific Telephone

734 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JONES Sheila a	Haines Company, Inc
1995	Jones Fannie	Pacific Bell
1967	Allen Dora A	Pacific Telephone
1958	Allen Homer W	Pacific Telephone

735 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PERONA TOMBAR	Haines Company, Inc
	Phylls	Haines Company, Inc
	TOMBARHurdey	Haines Company, Inc
1967	Adams Rosie	Pacific Telephone
	Perona Phyllis E	Pacific Telephone
	Williams Clarence	Pacific Telephone
	Williams Victoria	Pacific Telephone
1958	Angelo Jos	Pacific Telephone

738 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GUZMANJose	Haines Company, Inc
	MEDINA Jse	Haines Company, Inc
1967	Walker Andrew W	Pacific Telephone
1958	Walker Addie N	Pacific Telephone

FINDINGS

739 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MARTINEZ Jose	Haines Company, Inc
1958	Forman Mary	Pacific Telephone

742 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GAINES Shir	Haines Company, Inc
	GAINES Veronica	Haines Company, Inc
	MEDLOCK Dorothy	Haines Company, Inc
1967	Wooley Wm	Pacific Telephone
1958	Shakesnider Leola	Pacific Telephone
	Whitehead Frank	Pacific Telephone

743 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FARJARDO Henry	Haines Company, Inc
	GARCIA Juan o	Haines Company, Inc
1967	Rankins Imogene	Pacific Telephone
1958	Bayard S A	Pacific Telephone

745 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a LOPEZ Uboiio	Haines Company, Inc
1967	Johnson Clyde	Pacific Telephone

746 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WESTBROOK Robin	Haines Company, Inc
1958	Jacobs Verities	Pacific Telephone

750 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MORGAN Seddc	Haines Company, Inc
1958	Garcia Jose	Pacific Telephone
	Garcia Lucy	Pacific Telephone

751 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Daniels G J	Pacific Telephone

FINDINGS

754 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GARCIA Guadalupe	Haines Company, Inc
1967	Garcia Jose Q	Pacific Telephone
1958	Fuentes Conception	Pacific Telephone
	Fuentes Dolores	Pacific Telephone

755 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MITCHELL Herbert	Haines Company, Inc

758 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a SMITH W 19lam	Haines Company, Inc

759 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Karina	Haines Company, Inc
	AMBRIZGuadalupe	Haines Company, Inc
1967	Bertrand Will	Pacific Telephone
1958	Bertrand Will	Pacific Telephone

803 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	B ROWN Audrey	Haines Company, Inc

807 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MONROE Anhony	Haines Company, Inc
1958	Kertesz Julia	Pacific Telephone

811 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	e MEZAJose C	Haines Company, Inc
1967	Davis Ray L	Pacific Telephone
1958	Taylor Richard Mrs	Pacific Telephone

815 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GATES Elizabeth	Haines Company, Inc
1958	Perkins Ira	Pacific Telephone
	Gates Robt	Pacific Telephone

FINDINGS

819 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	e LEWIS Bennie C	Haines Company, Inc
1967	Riley Shang	Pacific Telephone
1958	Riley Shayne	Pacific Telephone

823 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Richardson Ervin	Pacific Telephone
1958	Albritton Beulah	Pacific Telephone

825 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Lowe Wm J	Pacific Telephone
1958	Jenkins Ethel	Pacific Telephone

827 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SIMS SCLrfs C	Haines Company, Inc
1967	Warren Travellil	Pacific Telephone
	Warren Milton L	Pacific Telephone
1958	Rand Fred L	Pacific Telephone

831 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a CAMPOS Samuel	Haines Company, Inc
1967	Parker Luella	Pacific Telephone
1958	Parker Luella	Pacific Telephone

833 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PEREZ Reyna	Haines Company, Inc

835 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PEREZJose	Haines Company, Inc
1967	Osborne John M	Pacific Telephone
1958	Osborne John M	Pacific Telephone

839 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TORRES Jose C	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Drye Herbert	Pacific Telephone
1958	Porter Bina	Pacific Telephone

843 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JONES Wide C	Haines Company, Inc
1967	Dial Azalie	Pacific Telephone
1958	Dial F L	Pacific Telephone

847 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HARRIS Rodney	Haines Company, Inc
1967	Jones Rosie Lee	Pacific Telephone

849 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Pierce Millie Mae	Pacific Telephone
1958	Johnson Henry	Pacific Telephone

851 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a PINAOscar	Haines Company, Inc
1967	Munson Joe Ann	Pacific Telephone
1958	Munson Joe Ann	Pacific Telephone

852 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Ben Vassie Lee	Pacific Telephone

853 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JOHNSON Lewis	Haines Company, Inc
	QUINTANILIAMyra	Haines Company, Inc

854 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Ellis Elma	Pacific Telephone

855 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RODRIGUEZ Genar	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Roundtree Bessie	Pacific Telephone

858 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	De Gruccio Vincent	Pacific Telephone

859 E 78TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	THOMASArthsr	Haines Company, Inc
1958	Zurita Luis	Pacific Telephone

E 79TH

705 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	HUGHEY HELEN J	Pacific Bell
	HUGHEY LONGINO D	Pacific Bell
1986	HUGHEY HELEN J	Pacific Bell
	HUGHEY LONGINO D	Pacific Bell
1981	HELEN J	Pacific Telephone
	LONGINO D	Pacific Telephone
	LONGINO D	Pacific Telephone
1971	Hughey Longino D	Pacific Telephone
1962	Hughey Longino D	Pacific Telephone

706 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	79TH STREET MKT	Pacific Bell
	BRUMFIELD & SON CONSTRUCTION & BUILDERS	Pacific Bell
1986	79TH STREET MKT	Pacific Bell
1971	Delaneys Mkt	Pacific Telephone
1962	Family Mkt	Pacific Telephone
1942	Cuccia Philip Grace gro	Los Angeles Directory Co.

709 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LOPEZ ROBERTO	Pacific Bell
1986	LOPEZ ROBERTO	Pacific Bell
1981	VAZQUEZ JESUS V	Pacific Telephone
	SMITH CAROL L	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Mayo Del	Pacific Telephone
1962	Sayles Patsy Ruth	Pacific Telephone
1942	Cuccia Ciro Mary	Los Angeles Directory Co.
	Bagline Philip Grace meatctr	Los Angeles Directory Co.
1937	Pirrello Vincent Sarah meatctr	Los Angeles Directory Co.
	Cuccia Ciro gro	Los Angeles Directory Co.
	Baglione Phillip clk	Los Angeles Directory Co.
1933	Cuccia Michl meatctr	Los Angeles Directory Co.
	Cuccia Cerro Mary expmn	Los Angeles Directory Co.
	Cerro Geo clk	Los Angeles Directory Co.
1929	Cuccia Ciro Mary lab	Los Angeles Directory Co.

714 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	NELSON JEWEL	Pacific Bell
1986	NELSON JEWEL	Pacific Bell
	MOSS LELA M MRS	Pacific Bell
1981	NELSON JEWEL	Pacific Telephone
	MOSS LELA M MRS	Pacific Telephone
1971	Nelson Jewel	Pacific Telephone
	Moss Lela M Mrs	Pacific Telephone
1962	Moss Lela M Mrs	Pacific Telephone
1942	Vienna Gladys mach opr	Los Angeles Directory Co.
	WILLIAMS Mary Mrs	Los Angeles Directory Co.
1937	Derrow Gladys M pkr	Los Angeles Directory Co.
	Vienna Gladys M Mrs	Los Angeles Directory Co.
1933	VIENNA Anthony W Gladys slsmn	Los Angeles Directory Co.
1929	Vienna Anthony Gladys real est h	Los Angeles Directory Co.

718 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	CONDE JOSE B	Pacific Bell
1981	VAULT AUDREY DORA	Pacific Telephone
1962	Sheets Edna	Pacific Telephone
1942	Michelridge Rose Mrs	Los Angeles Directory Co.
1937	WILLIAMS Tad T Frances mach	Los Angeles Directory Co.
1933	VIENNA Rose Mrs	Los Angeles Directory Co.
	VIENNA Peter	Los Angeles Directory Co.
	VIENNA David rubberwkr	Los Angeles Directory Co.

FINDINGS

722 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	CHAPPEL LUKE	Pacific Bell
1986	CHAPPEL LUKE	Pacific Bell
1981	CHAPPEL LUKE	Pacific Telephone
1971	Chappel Luke	Pacific Telephone
1942	FREY Arth Emma carp	Los Angeles Directory Co.
	SCHWARTZ Edw Jennie driver	Los Angeles Directory Co.
1937	Eitzen David D Rev Amanda pastor Immanuel Mennonite Ch	Los Angeles Directory Co.
1929	Burak Herman slsmn	Los Angeles Directory Co.
	Bupich Irving musician	Los Angeles Directory Co.
	Bupich Jos Rebecca slsmn	Los Angeles Directory Co.

724 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	KELSAW SONJA	Pacific Bell
1981	KELSAW SONJA	Pacific Telephone
1942	MOORE Geo G Kate A	Los Angeles Directory Co.

727 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	RUSSELL EDNA	Pacific Bell
1986	RUSSELL EDNA	Pacific Bell
1981	RUSSELL EDNA	Pacific Telephone
1971	Russell Edna	Pacific Telephone
1962	Russell Edna	Pacific Telephone
1942	SCOTT Paul D Ruth A custodian Pub Sch	Los Angeles Directory Co.
1937	LOPEZ Joaquin Mary truck driver	Los Angeles Directory Co.
1933	ANDERSON Robt T Emma police	Los Angeles Directory Co.

730 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MOORE NARCISE	Pacific Bell
1986	MOORE NARCISE	Pacific Bell
1981	MOORE NARCISE	Pacific Telephone
1971	Moore Narcise	Pacific Telephone
1962	Moore Narcise	Pacific Telephone
1942	Male Chas Ethel slsmn	Los Angeles Directory Co.

FINDINGS

734 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	SCHUFFORD WM	Pacific Bell
1981	SCHUFFORD WM	Pacific Telephone
1942	Jaimerena Louis	Los Angeles Directory Co.
	Jaimerena Dolores Mrs	Los Angeles Directory Co.
	Jaimerena Robt whsmn	Los Angeles Directory Co.
1937	Jaimerena Dolores Mrs	Los Angeles Directory Co.
	Jaimerena Louis	Los Angeles Directory Co.
	Jaimerena Robt	Los Angeles Directory Co.
1933	Jaimerena Thosa Dolores butcher	Los Angeles Directory Co.

735 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	JONES JEFFREY	Pacific Bell
1981	JONES P R	Pacific Telephone
1942	Schroeder Danl D Linda jan	Los Angeles Directory Co.
1937	Lynch Pearl Mrs treas Huron & Stanton Printing Inc	Los Angeles Directory Co.
	Lynch Leonard Pearl	Los Angeles Directory Co.
1933	GREGOR Jesse A Lillian woodwkr	Los Angeles Directory Co.
1929	HAYES Chas U Caroline chauf	Los Angeles Directory Co.

740 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	BROOKS GARFIELD	Pacific Bell
1971	Adams Chas B	Pacific Telephone
1962	Jackson Al Joe	Pacific Telephone
	Lemons Willis	Pacific Telephone
	Adams Chas B	Pacific Telephone
1942	EDMUNDSON Ross Gertrude	Los Angeles Directory Co.
	FRANKLIN Saml Sylvia	Los Angeles Directory Co.
	MILLER Wm Irene	Los Angeles Directory Co.
	Patereau Floyd shtmtlwkr	Los Angeles Directory Co.
	SMITH Danl Geneva mach	Los Angeles Directory Co.
1937	Everard Helene Mrs	Los Angeles Directory Co.
1933	WILLETT Roy Violet mech	Los Angeles Directory Co.
1929	Mc ARTHUR Ethel Mrs maid	Los Angeles Directory Co.

FINDINGS

742 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	DUMAS JOE BEN	Pacific Bell
	MILLER HENRIETTA	Pacific Bell
	PENN JOHN	Pacific Bell
1986	DUMAS JOE BEN	Pacific Bell
	MILLER HENRIETTA	Pacific Bell
	PENN JOHN	Pacific Bell
1981	JOHNSON JULIA L	Pacific Telephone
	PENN JOHN	Pacific Telephone
1971	Pennsylvania John	Pacific Telephone
1962	Yates Eva N	Pacific Telephone
	Batiste Columbus D	Pacific Telephone
1942	ShipleY Chas E Lillian	Los Angeles Directory Co.
1937	HOFFMAN Frank Edna mach	Los Angeles Directory Co.
1933	HOLMES Bert H Amy dairywkr	Los Angeles Directory Co.
1929	GERRARD Lester H Thelma firemn LAFD	Los Angeles Directory Co.

743 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Williams John H	Pacific Telephone
1942	Mc KENZIE Frank S Edna baker	Los Angeles Directory Co.
	Mc KENZIE Glenn E USA	Los Angeles Directory Co.

747 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LAMPLEY JAS	Pacific Bell
1986	LAMPLEY JAS	Pacific Bell
1981	LAMPLEY JAS	Pacific Telephone
1971	Lampley Jas	Pacific Telephone
1962	Lampley Jas	Pacific Telephone
	Lampley Artemease	Pacific Telephone
1942	Bescos Clarence P	Los Angeles Directory Co.
1937	Bescos Julius serv sta atdt	Los Angeles Directory Co.
	Bescos Egnecio Baltasro meatctr	Los Angeles Directory Co.
1933	Bescos Julio	Los Angeles Directory Co.
	Bescos Jos P br mgr Standard Stations Inc	Los Angeles Directory Co.
	Bescos Ignacio Bladaseras lab	Los Angeles Directory Co.
1929	Bescos Jos P slsmn S O Co	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Bescos Ignacio Baltacero meat pkr	Los Angeles Directory Co.
	Bescos Frank clk	Los Angeles Directory Co.

750 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Moore Gerald	Pacific Telephone

754 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MYRICK A M	Pacific Bell
1962	Jones Arthur L	Pacific Telephone
1942	Alberts Louis Minnie baker	Los Angeles Directory Co.
1937	CONNELLY Cleo Helen	Los Angeles Directory Co.
1933	Kublick Fred Lydia	Los Angeles Directory Co.

756 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	BURTON BENNIE L	Pacific Bell
1986	BURTON BENNIE L	Pacific Bell
1981	BURTON BONNIE L	Pacific Telephone
1962	Harrison U J	Pacific Telephone
	Foster Rose Lee	Pacific Telephone
1942	Schroeder Orlando USA	Los Angeles Directory Co.
	Schroeder Eva Mrs	Los Angeles Directory Co.
	MOSS Robt Jane lab	Los Angeles Directory Co.
	Salerno Andw A lab City Eng	Los Angeles Directory Co.
	Schroeder Dorothy	Los Angeles Directory Co.
1937	Theriot Howard J Janet clk	Los Angeles Directory Co.
1933	MELLEN Gertrude E sten	Los Angeles Directory Co.
	Skidmore Fred C Augusta millmn	Los Angeles Directory Co.
	Herskowitz Geo I Mollie creditmn	Los Angeles Directory Co.
	Columbia Outfitting Co	

758 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SNAPPY FOOD MARKET	Pacific Bell
1971	Wilson Earl Jr	Pacific Telephone
	Micheal Angelean M	Pacific Telephone
	A & G Cleaners	Pacific Telephone
1962	Delaney A G groc	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	ROBERSON Paul E Caroline gro	Los Angeles Directory Co.
1937	Vokey Eliz Mrs	Los Angeles Directory Co.
	Matthes Jessie Mrs gro	Los Angeles Directory Co.
1933	MERIWETHER Irene M Mrs clk	Los Angeles Directory Co.
	Matthes Henry C gas sta atdt	Los Angeles Directory Co.
	Matthes Carl coffee pkr	Los Angeles Directory Co.
	Arzt Juliana wid Fred gro	Los Angeles Directory Co.
1929	Merriwether Irene M clk	Los Angeles Directory Co.
	Matthes Henry C clk	Los Angeles Directory Co.
	ARZT Julia Mrs gro	Los Angeles Directory Co.
	ARZT Fred	Los Angeles Directory Co.

812 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	SIMMONS MICHELLE	Pacific Bell
1971	Combs Willie I	Pacific Telephone

814 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	CASTLE MARGARET	Pacific Telephone
1971	New Life Maintenance	Pacific Telephone
1942	Delhausey Roy driver	Los Angeles Directory Co.
	Delhausey Lily wid Arch	Los Angeles Directory Co.
	Delhausey John lbrwkr	Los Angeles Directory Co.
1937	Delahousay John lbrmn	Los Angeles Directory Co.
	Delahousay Lester lbrmn	Los Angeles Directory Co.
1933	Delahousaye Archie Lillie lab	Los Angeles Directory Co.
1929	Delahoussaye Achille W mill hd	Los Angeles Directory Co.

818 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	JAUBERT LORENA	Pacific Bell
1986	JAUBERT LORENA	Pacific Bell
1981	JAUBERT LORENA	Pacific Telephone
1971	Jaubert Lorena	Pacific Telephone
1962	Jaubert Lorena	Pacific Telephone
1937	Riggio Blanche bndrywkr	Los Angeles Directory Co.
1933	Renzi Morie tailor	Los Angeles Directory Co.
	Renzi Adolf Celia shoe repr	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	KING Earl G Indymn	Los Angeles Directory Co.
	KING Willis E appr	Los Angeles Directory Co.
	KING Ruth	Los Angeles Directory Co.

822 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	HILL LOUIS A	Pacific Bell
1986	HILL LOUIS A	Pacific Bell
1981	HILL LOUIS A	Pacific Telephone
1971	Hill Louis A	Pacific Telephone
1962	Hill Louis A	Pacific Telephone
1942	MOORE Geo G jr Jean M paper ctr	Los Angeles Directory Co.
1937	MOORE Geo J ir Gene prsmn H A Miller Co	Los Angeles Directory Co.
1933	MOORE Gene M Mrs waiter	Los Angeles Directory Co.
	MOORE Geo G jr Gene prsmn	Los Angeles Directory Co.
1929	MOORE Geo printer	Los Angeles Directory Co.

824 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	WRIGHT WILLIE	Pacific Bell
1962	Champ Estelle	Pacific Telephone
	Washington Dearest	Pacific Telephone
1937	MOORE Geo G Kath restrwkr	Los Angeles Directory Co.
1933	MOORE Geo G Kate carp	Los Angeles Directory Co.

826 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	WILLIAMS ELVIRA	Pacific Telephone
1962	Tottenham Ola Mae	Pacific Telephone
1942	OWENS Robt Mildred slsmn	Los Angeles Directory Co.
	JENSON Kenneth Marguerite mach opl	Los Angeles Directory Co.
1937	WILSON Dell C Dorothy clk	Los Angeles Directory Co.
	Goldberg Sol Marie meatctr	Los Angeles Directory Co.
1933	KING Margt L	Los Angeles Directory Co.
	KING Earl G slsmn	Los Angeles Directory Co.

828 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LEE DOROTHY M	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LEE JAMES E REV	Pacific Bell
1986	JONES HARRY	Pacific Bell
1981	LANE JOHN	Pacific Telephone
1971	Washington Roosevelt E	Pacific Telephone
	Simonet Odelia	Pacific Telephone
1962	Evans David	Pacific Telephone
	Todd Irene	Pacific Telephone
1942	JOHNSON Alf S driver	Los Angeles Directory Co.
	JOHNSON Arth R lab	Los Angeles Directory Co.
	JOHNSON Swen A Sophie	Los Angeles Directory Co.
	JOHNSON Swen A Sophie	Los Angeles Directory Co.
1937	ANDERSON Ront crmrywkr	Los Angeles Directory Co.
	ANDERSON Wm pkr	Los Angeles Directory Co.
	Maxwell Edison pkr	Los Angeles Directory Co.
1933	BERG Nathan Fannie uphol	Los Angeles Directory Co.

830 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	DELGADO JOSE	Pacific Telephone
1962	Mc Knight David Jr	Pacific Telephone
	Auzenne Ervin	Pacific Telephone

832 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	DELGADO MANUEL	Pacific Telephone

836 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	RELIFORD A JUDGE	Pacific Telephone
1971	Williams Clementine	Pacific Telephone
1962	Williams Clementine	Pacific Telephone

840 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	TURNER ALMA	Pacific Bell
1986	TURNER ALMA	Pacific Bell
1981	TURNER ALMA	Pacific Telephone
1971	Turner Alma	Pacific Telephone
1962	Turner Alma	Pacific Telephone

FINDINGS

842 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	CRAWFORD MARY L	Pacific Telephone
1971	Allbritton Barbara	Pacific Telephone
1962	Ward Oliver M	Pacific Telephone
1942	Prancevic Jos USA	Los Angeles Directory Co.
	Prancevic Robt	Los Angeles Directory Co.
	Prancevic Eva Mrs jan	Los Angeles Directory Co.
	Prancevic Geo clk	Los Angeles Directory Co.
1937	Prancevic Robt lab	Los Angeles Directory Co.
	Prancevic Eva Mrs	Los Angeles Directory Co.
1933	Prancevic John Eva	Los Angeles Directory Co.
1929	Prancevich John Eva lab h	Los Angeles Directory Co.

844 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	WARD JOE	Pacific Bell
1986	WARD JOE	Pacific Bell
1981	WARD JOE	Pacific Telephone
1971	Ward Joe	Pacific Telephone
1924	MOORE Lewis H auto mech r	Los Angeles Directory Co.

848 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	BENDAW HEROLD JR	Pacific Bell
1981	BENDAW HEROLD JR	Pacific Telephone
1971	Bendaw Herold Jr	Pacific Telephone
1962	Bendaw Herold Jr	Pacific Telephone
1942	Brenny John W carp	Los Angeles Directory Co.

856 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	DUNBAR EMMA ADAMS	Pacific Bell
1986	BENJAMIN THEA S	Pacific Bell
1981	JACKSON JOHN	Pacific Telephone
1971	Walker Wm J	Pacific Telephone
1942	BUTTERBAUGH V Leslie USA	Los Angeles Directory Co.
	BUTTERBAUGH Vernon L rubberwkr	Los Angeles Directory Co.
1937	BUTTERBAUGH Vernon L Ella C	Los Angeles Directory Co.
1933	Butterbaugh Vernon L Ella rubberwkr	Los Angeles Directory Co.

FINDINGS

902 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	TAYLOR WILLIE JEAN	Pacific Telephone
1962	Brady Beulah Mrs	Pacific Telephone

740 1/2 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	DUNCAN JAMES JR	Pacific Bell

740 1/4 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	REDMOND RICHARD DAVID	Pacific Bell

756 1/2 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	WINTERS LINDA	Pacific Bell
1986	WINTERS LINDA	Pacific Bell
1981	WINTERS LINDA	Pacific Telephone

806 1/2 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	LOVE PEARLIE B	Pacific Telephone

826 1/2 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	HILL LOUIS A	Pacific Bell

832 1/2 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	QUINTERO MARIA	Pacific Bell

900 1/2 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	REEVES ROBT P	Pacific Bell
1981	REEVES ROBT P	Pacific Telephone

902 1/2 E 79TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	CURVIE	Pacific Telephone

FINDINGS

E 79TH ST

705 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HUGHEY Longino D	Haines Company, Inc
	HUGHEY Helen J	Haines Company, Inc
1995	Hughey Helen J	Pacific Bell
1967	Hughey Longino D	Pacific Telephone
1958	Hughey Longino D	Pacific Telephone

706 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	COMPANY	Haines Company, Inc
	CONSTRUCTION	Haines Company, Inc
	BIGB	Haines Company, Inc
1967	Family Mkt	Pacific Telephone
	Family Mkt	Pacific Telephone
1958	Family Mkt	Pacific Telephone

709 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Patida	Haines Company, Inc
	VALLEMONROY	Haines Company, Inc
	PINEDA Antonla E	Haines Company, Inc
	JAVIER Joel	Haines Company, Inc
	Johanna L	Haines Company, Inc
	HERNANDEZ	Haines Company, Inc
	GONZALEZ Milma	Haines Company, Inc
	GARCIA Ignacio	Haines Company, Inc
	ANDRADE Paulo	Haines Company, Inc
	APARTMENTS	Haines Company, Inc
1967	Gibson Leon Sr	Pacific Telephone
	Walker Reginald R	Pacific Telephone
1958	Massengale Herbert	Pacific Telephone

710 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MARTINEZ Andres	Haines Company, Inc
	AMAYA Marta	Haines Company, Inc
	Guadalupe	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BOJORQUE	Haines Company, Inc
1967	Theus Irene	Pacific Telephone
1958	Theus Irene	Pacific Telephone

714 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ESTRADADaniel GAMEZVERDUGO	Haines Company, Inc
	Ruben	Haines Company, Inc
	GOMEZ Blanca Rosa	Haines Company, Inc
1967	Nelson Jewel	Pacific Telephone
	Moss Leia M Mrs	Pacific Telephone
1958	Nelson Jewel	Pacific Telephone

718 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a CONDEJose B	Haines Company, Inc
1967	Beck Earnestine	Pacific Telephone
1958	Sheets Edna	Pacific Telephone

719 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LAIRLashanda	Haines Company, Inc
1967	McCullouch Earlenfe	Pacific Telephone
	Taylor Charlie	Pacific Telephone
	Wilson Charlie C	Pacific Telephone
1958	Person Wm	Pacific Telephone
	Taylor Charlie	Pacific Telephone

722 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CLARICE Chappel	Haines Company, Inc
	CHAPPELWendy	Haines Company, Inc
1967	Chappel Luke	Pacific Telephone
1958	Warren Ivory	Pacific Telephone

723 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MEDINAJose	Haines Company, Inc
1967	Thomas Minnie T	Pacific Telephone
	Thomas Geo	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Du Bois R W	Pacific Telephone

724 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc

726 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TOWNSEL Jewel	Haines Company, Inc

727 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RUSSELL Edna	Haines Company, Inc
1967	Russell Edna	Pacific Telephone

730 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MOORE Unkaton	Haines Company, Inc
1995	Moore Narcise	Pacific Bell
1967	Moore Narcise	Pacific Telephone
1958	Moore Narcise	Pacific Telephone

731 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Maaxey E B	Pacific Telephone

734 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MORGAN Antolnatte	Haines Company, Inc

E 79th St

735 E 79th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	DOROTHY R JONES	EDR Digital Archive
2010	DOROTHY R JONES	EDR Digital Archive

FINDINGS

E 79TH ST

738 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NEAL Alton	Haines Company, Inc
1967	Ellis Robt	Pacific Telephone
	Laffitte Henry Jas	Pacific Telephone
1958	Pierce Lee	Pacific Telephone

739 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a LOPEZ Ramon	Haines Company, Inc
1967	Banks Arquillia	Pacific Telephone
1958	Armour Janet Mrs	Pacific Telephone

740 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LOFTON Robert L	Haines Company, Inc
1967	Adams Chas B	Pacific Telephone
1958	Murphy Otis	Pacific Telephone
	Adams Chas B	Pacific Telephone

742 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Pennsylvania John	Pacific Telephone

743 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BERMUDEZ Vivan V	Haines Company, Inc
	CONTRERAS Ruben	Haines Company, Inc
1967	Williams John H	Pacific Telephone
1958	Williams John H	Pacific Telephone

746 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a LUSTER Lavon	Haines Company, Inc
1967	Brown Minnie Taylor	Pacific Telephone
1958	Brown Minnie Taylor	Pacific Telephone

FINDINGS

747 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a SALAZAR Laura	Haines Company, Inc
1967	Lampley Jas	Pacific Telephone
1958	Bescos B Mrs	Pacific Telephone

750 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Atmore Cubie	Pacific Telephone
	Thomas Cleveland	Pacific Telephone

751 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a GARCIA Bealcz	Haines Company, Inc
1967	Bradford John	Pacific Telephone
1958	Atkins Harry M	Pacific Telephone

752 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Faby Robt	Pacific Telephone

754 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Jones Arthur Lee	Pacific Telephone

755 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a EVANS Ike	Haines Company, Inc

756 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Winters Linda	Pacific Bell
1967	Harrison U J	Pacific Telephone
1958	Harrison U J	Pacific Telephone

E 79th St

758 E 79th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MATEOS MINI MARKET	EDR Digital Archive
2010	LA ESTRELLITA MINI MARKET	EDR Digital Archive
	MATEOS MINI MARKET	EDR Digital Archive

FINDINGS

E 79TH ST

758 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MARKET	Haines Company, Inc
	LA ESTRELLITA MINI	Haines Company, Inc
1967	Delaneys Mkt	Pacific Telephone
	Micheal Angelean M	Pacific Telephone
	Wilson Earl Jr	Pacific Telephone
1958	Dominguez Antonio	Pacific Telephone

806 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JOHN Nicole	Haines Company, Inc
1967	Love Pearlle B	Pacific Telephone
1958	Greene Gertrude	Pacific Telephone

808 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ALVAREZNIle	Haines Company, Inc
	A COLLINS Sandra	Haines Company, Inc
	WILLIAMSJaquillia	Haines Company, Inc
	/O GONSALEZ Susle	Haines Company, Inc
1958	Madison Betty	Pacific Telephone
	Allen Geraldine	Pacific Telephone

810 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LEEJeane Ow	Haines Company, Inc
	GALAZCarol	Haines Company, Inc
1958	Hegler Jas E	Pacific Telephone
	Douglas Jimmy	Pacific Telephone
	Hegler Irene	Pacific Telephone

812 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Sterling Oleva	Pacific Telephone

814 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	OCHOA Sergio C	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TORRES Jose	Haines Company, Inc
	MARTINEZ Ada	Haines Company, Inc
	Saucedo	Haines Company, Inc
	CARRILLO Maria	Haines Company, Inc

818 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LUCERO Fidel	Haines Company, Inc
1967	Jaubert Lorena	Pacific Telephone
1958	Jaubert Lorena	Pacific Telephone

822 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RUIZ Marta	Haines Company, Inc
	RODRIGUEZ Jose L	Haines Company, Inc
1967	Hill Louis A	Pacific Telephone
1958	Moore Gene M Mrs	Pacific Telephone

824 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MARTINEZ Imelda	Haines Company, Inc

826 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RUIZ Monica	Haines Company, Inc
	/2 FINAL Rodolfo	Haines Company, Inc
1967	Tottenham Ola Mae	Pacific Telephone
1958	Smith Arlee B	Pacific Telephone

828 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	2 ROMERO Joshua G	Haines Company, Inc
1958	Moy Jos B	Pacific Telephone
	Burleson Ruby	Pacific Telephone

830 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ORTEGA Maria	Haines Company, Inc
1967	James Shirley	Pacific Telephone
1958	Taylor Ruby Jewel	Pacific Telephone

FINDINGS

832 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TORRES Trin Idad	Haines Company, Inc
1967	Booker Annie	Pacific Telephone

836 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AVILES Ana	Haines Company, Inc
	ESPARZA Marto	Haines Company, Inc
1967	Williams Clementine	Pacific Telephone
1958	Williams Clementine	Pacific Telephone

840 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DE La Cruz Rogello	Haines Company, Inc
	MONJE Rosa	Haines Company, Inc
1967	Smith Geo P	Pacific Telephone
	Turner Alma	Pacific Telephone
1958	Turner Alma	Pacific Telephone

842 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BLAKE Miguel	Haines Company, Inc
1958	Ward Oliver M	Pacific Telephone

844 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ARCE Carmen	Haines Company, Inc
	PAYAN Gdsdda	Haines Company, Inc
1967	Pleasant Cleopatra H	Pacific Telephone
	Hicks Pamela	Pacific Telephone

848 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHAVEZ Gabrela	Haines Company, Inc
	a BOBADILLA Gabriel	Haines Company, Inc
	ACOSTA Jorge	Haines Company, Inc
1958	Bendaw Herold Jr	Pacific Telephone

FINDINGS

850 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RODRIGUEZA ma	Haines Company, Inc
	GONZALEZ Mardn	Haines Company, Inc
1967	Davis Sharon Y	Pacific Telephone

854 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CAPITALCABCO	Haines Company, Inc

856 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ZAPATAJose	Haines Company, Inc
1967	Walker Wm J	Pacific Telephone

900 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Johnson C D	Pacific Telephone
	Jones Mattie	Pacific Telephone
	Siplin David A	Pacific Telephone
1958	Snell Opal	Pacific Telephone

903 E 79TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WILLIAMS Caesar	Haines Company, Inc

E 79th St

918 E 79th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BEVERLEES HOUSE FOR YOUTH	EDR Digital Archive

E 80TH

750 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	HERNANDEZ TEOFILO	Pacific Bell
1986	SAMPSON CHAS MRS	Pacific Bell
1981	SAMPSON CHAS MRS	Pacific Telephone
1971	Sampson Chas Mrs	Pacific Telephone
1962	Sampson Chas Mrs	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	CRAWFORD Thelma ofc sec Alex Lewis	Los Angeles Directory Co.
	Crawford Dian	Los Angeles Directory Co.
	CRAWFORD Morris emp SP Co	Los Angeles Directory Co.
	CRAWFORD Howard S Thelma B driver	Los Angeles Directory Co.
1937	CRAWFORD Howard S Thelma chauf	Los Angeles Directory Co.
	SMITH Leonard J Dorothy dispr Ry Exp Agcy	Los Angeles Directory Co.
1933	CRAWFORD Howard S Thelma chauf	Los Angeles Directory Co.
1929	WALLEN Herman H Lucille auto mech h	Los Angeles Directory Co.

751 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	STEWART LEWIS E	Pacific Bell
1981	STEWART EDDYLEW M	Pacific Telephone
1971	Stewart Lewis E	Pacific Telephone
1962	Stewart Lewis E	Pacific Telephone
1942	Fougnier Victor E Harriett rubberwkr	Los Angeles Directory Co.
1933	SHAW Jas Eliz mldr	Los Angeles Directory Co.
	SHAW Margt clk	Los Angeles Directory Co.
1929	CRAIN Wm shtmtlwkr	Los Angeles Directory Co.
	Stringam Elbert E shtmtlwkr r	Los Angeles Directory Co.
	SHELTON Eleanor factywkr r	Los Angeles Directory Co.

752 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	STUART GENE	Pacific Bell
1971	Pouncy L D	Pacific Telephone
1942	Lapley Bertie E Mrs	Los Angeles Directory Co.
1929	WALLEN Benton L Cleo pipemn h	Los Angeles Directory Co.

754 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	WILLIAMS HARRIET	Pacific Bell
1986	WILLIAMS HARRIET	Pacific Bell
1981	WILLIAMS HARRIET	Pacific Telephone
1971	Williams Harriet	Pacific Telephone
1962	Williams Harriet	Pacific Telephone
1942	Mohill A rlene sten	Los Angeles Directory Co.
	Mohill Jos Ruth meat ctr	Los Angeles Directory Co.
	Mohill Madeline clk	Los Angeles Directory Co.

FINDINGS

802 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	THOMPSON MARY	Pacific Bell
	THOMPSON MARY B	Pacific Bell
1981	THOMPSON MARY B	Pacific Telephone
1942	Maupin Betty J sten	Los Angeles Directory Co.
	Maupin Jas A Gladys pntr	Los Angeles Directory Co.
1937	JACKSON Mary A Mrs	Los Angeles Directory Co.
	JACOBSON Dora	Los Angeles Directory Co.
	JACOBSON Joe B lab	Los Angeles Directory Co.
	PRATT Mathoni M Ruth firemn LAFD	Los Angeles Directory Co.
1933	JOHNSON Clifford Lillian stockmn	Los Angeles Directory Co.
1929	ROSS Wm R Lillian mot pict opr r	Los Angeles Directory Co.
	ROSS Lillian br mgr WUTCo r	Los Angeles Directory Co.

806 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	JONES LEROY	Pacific Bell
1986	JONES LEROY	Pacific Bell
1981	JONES LEROY	Pacific Telephone
1971	Jones Leroy	Pacific Telephone
1962	Jones Leroy	Pacific Telephone
1942	MILLER Frances A smstrs	Los Angeles Directory Co.
	MILLER Frank Frances	Los Angeles Directory Co.
1937	SHEPHERD Clarence Emma	Los Angeles Directory Co.
1933	HALLOWELL Dorothy I clk	Los Angeles Directory Co.
	Hollowell Dorothy clk	Los Angeles Directory Co.
	Kienholz H Allan clk	Los Angeles Directory Co.
1929	HALLOWELL Alice wid W M	Los Angeles Directory Co.

810 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	MELLENDEZ RAMONA	Pacific Telephone
1962	Kimes Carl E	Pacific Telephone
1942	ENGLE Edw A Matilda carp	Los Angeles Directory Co.
1937	ENGLE Edw Maulda steelwkr	Los Angeles Directory Co.
1933	Huck Joyce L nurse	Los Angeles Directory Co.
1929	Huck Edgar W Edith M wtchmn Harbor Dept	Los Angeles Directory Co.

FINDINGS

811 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Williams Jimmie L	Pacific Telephone
1962	Harris Alfred L	Pacific Telephone
1942	Newton Albt driver	Los Angeles Directory Co.
	NEWTON Edw mech	Los Angeles Directory Co.
	NEWTON Effie wid Wm	Los Angeles Directory Co.
	NEWTON Ruth sten	Los Angeles Directory Co.
1937	Slocum Mertie Mrs	Los Angeles Directory Co.
	Mc Ilwain Jas H Mabel mot pict opr	Los Angeles Directory Co.
1933	Betsworth Earl L Kath slsmn	Los Angeles Directory Co.
	LEWIS Harry engr	Los Angeles Directory Co.

819 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	GODLEY SAMUEL A	Pacific Bell
1986	GODLEY SAMUEL A	Pacific Bell
1981	COMBS IRENE	Pacific Telephone
1971	Combs Irene	Pacific Telephone
	Jones Woodrow C	Pacific Telephone
1962	Roberson Loraine	Pacific Telephone
	Combs Irene	Pacific Telephone
1942	WEBER Geo cbtmkr	Los Angeles Directory Co.
	SMITH E Frank Frances baker	Los Angeles Directory Co.
1937	Totten Pearl	Los Angeles Directory Co.
	Totten Wilbur Gertie textile wkr	Los Angeles Directory Co.
1933	Horsman Luella C librn Pub Library	Los Angeles Directory Co.
	Horsman Geo	Los Angeles Directory Co.
	Horsman Beulah sten	Los Angeles Directory Co.
	Horsman Thos Louise beltmn	Los Angeles Directory Co.
1929	TAYLOR Geo W Bertonia M linemn LAG & E Corp h	Los Angeles Directory Co.

822 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	PAYNE DONALD	Pacific Bell
1986	PAYNE DONALD	Pacific Bell
1981	PAYNE DONALD	Pacific Telephone
1971	Payne Willie Jr	Pacific Telephone
1962	Payne Willie Jr	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	SCHMITT Melvin mech	Los Angeles Directory Co.
	SCHMITT Mack R Josephine rubberwkr	Los Angeles Directory Co.
	SCHMITT Kenneth mach opr	Los Angeles Directory Co.
	SCHMITT Patricia clk	Los Angeles Directory Co.
1937	HALLOWELL Alice M Mrs emp Bd of Educ	Los Angeles Directory Co.
	HALLOWELL Walter R	Los Angeles Directory Co.
	HALLOWELL Elaine F	Los Angeles Directory Co.
1933	Bernal Frank F Margt mach	Los Angeles Directory Co.
1929	Bernal Frank Ricarda adding mach repr	Los Angeles Directory Co.

826 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	CERDA JUAN M	Pacific Bell
1942	THOMPSON Saml A Bessie supr Am Tool Products Co Inc	Los Angeles Directory Co.
1937	THOMPSON Saml A Lucie carp	Los Angeles Directory Co.
	THOMPSON Ernest W clk	Los Angeles Directory Co.
	THOMPSON Teron S plmbr	Los Angeles Directory Co.
1933	Mc Ilwain Jas H Mabel rigger	Los Angeles Directory Co.
1929	HOPKINS Jesse Ola police	Los Angeles Directory Co.

827 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	BROWN IDA MAE	Pacific Bell
1986	SHIELDS EMILY L	Pacific Bell
	BROWN IDA MAE	Pacific Bell
1981	BROWN IDA MAE	Pacific Telephone
1971	Watson Ida	Pacific Telephone
1962	Watson Ida	Pacific Telephone
1942	Berkholder John Addie	Los Angeles Directory Co.
1937	SMITH June crmrywkr	Los Angeles Directory Co.
	SMITH Jos Venie meats	Los Angeles Directory Co.
1933	SMITH Orville clo prsr	Los Angeles Directory Co.
	SMITH Louise crmrywkr	Los Angeles Directory Co.
	SMITH June crmrywkr	Los Angeles Directory Co.
	SMITH Jos C jr bottler	Los Angeles Directory Co.
	SMITH Jos C Venie Meats	Los Angeles Directory Co.
	SMITH Allen concretewkr	Los Angeles Directory Co.
	SMITH Jas R	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	SMITH Wm A eng r	Los Angeles Directory Co.
	SMITH Ralph J lab r	Los Angeles Directory Co.
	SMITH June clk r	Los Angeles Directory Co.
	SMITH Jos C mach opr r	Los Angeles Directory Co.
	SMITH Jos Vernie meat ctr h	Los Angeles Directory Co.
	SMITH Jos clk r	Los Angeles Directory Co.

830 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	HALL LUCILLE	Pacific Telephone
1971	Hall Lucille	Pacific Telephone
1962	Hall Lucille	Pacific Telephone
1942	Nagy Jos Mary slsmn	Los Angeles Directory Co.
1937	Fifer Betty sten	Los Angeles Directory Co.
	Fifer Helen sten	Los Angeles Directory Co.
	Nagy Rose Mrs	Los Angeles Directory Co.
	Nagy Theo	Los Angeles Directory Co.
1933	NAGY Irene C tel opr	Los Angeles Directory Co.
	NAGY Rose wid Jos	Los Angeles Directory Co.
	Pfiefer Eliz sten	Los Angeles Directory Co.
	Pfiefer Helen sten	Los Angeles Directory Co.
	NAGY Anna K clk	Los Angeles Directory Co.
1929	PFEIFER Elis sten	Los Angeles Directory Co.
	NAGY Rose wid Jos	Los Angeles Directory Co.
	NAGY Anna K sten	Los Angeles Directory Co.

835 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	RAMOS NAPOLEON	Pacific Bell
1986	RAMOS NAPOLEON	Pacific Bell
1962	Manz Geo	Pacific Telephone
1942	Manz Geo Katie jan	Los Angeles Directory Co.
	Manz Kath mach opr	Los Angeles Directory Co.
	Manz Theresa mach opr	Los Angeles Directory Co.
1937	Manz Geo Kath lab	Los Angeles Directory Co.
	Manz Kath	Los Angeles Directory Co.
	Manz Theresa	Los Angeles Directory Co.
1933	Manz M Mrs jan	Los Angeles Directory Co.
	Manz Geo Kath lab	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Manz Geo S Katy rubberwkr	Los Angeles Directory Co.

836 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MATA JUAN MANUEL	Pacific Bell
1986	ARZATE CALIXTO	Pacific Bell
1971	Taylor Franklin	Pacific Telephone
1962	Zander Harry G	Pacific Telephone

838 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	WILLIAMS MICHAEL	Pacific Bell
1986	WILLIAMS MICHAEL	Pacific Bell
1981	WILLIAMS MICHAEL	Pacific Telephone
1942	PACKARD Jas Rose slsmn	Los Angeles Directory Co.

845 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LOACH JEAN MRS	Pacific Bell
1986	LOACH JEAN MRS	Pacific Bell
1981	LOACH JEAN MRS	Pacific Telephone
1971	Loach Jean Mrs	Pacific Telephone
1962	Loach Jean Mrs	Pacific Telephone

751 1/2 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	JONES JACQUELINE	Pacific Bell
1981	HUNT MARVIN	Pacific Telephone

753 1/2 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	HAMILTON JENNIFER	Pacific Telephone

819 1/2 E 80TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MCGILL HATTIE	Pacific Bell

FINDINGS

E 80TH PL

831 E 80TH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	LIGHTFOOT FRED	Pacific Telephone

E 80TH ST

750 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HERNANDEZTeofilo	Haines Company, Inc
1967	Sampson Chas Mrs	Pacific Telephone
1958	Sampson Chas Mrs	Pacific Telephone

751 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VILLAZANA Belen	Haines Company, Inc
1967	Stewart Lewis E	Pacific Telephone
1958	Stewart Lewis E	Pacific Telephone

752 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc

753 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PINEDA Lillam	Haines Company, Inc
1967	McGrew Bobbie L	Pacific Telephone

754 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Williams Harriet	Pacific Telephone

755 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a EMERSON Edgar	Haines Company, Inc
1967	Daniels Gladys	Pacific Telephone
1958	Emerson Emerline	Pacific Telephone
	Hill Rosa Lee	Pacific Telephone

FINDINGS

759 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MCMILLAN Jarnes	Haines Company, Inc
1967	McMillan David	Pacific Telephone
1958	Penn Clifford E	Pacific Telephone

802 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a DOMINGUEZ Jose	Haines Company, Inc

803 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BURTON Charles	Haines Company, Inc

806 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a FLORES Rodrigo	Haines Company, Inc
1967	Jones Leroy	Pacific Telephone
1958	Jones Leola G	Pacific Telephone

807 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a JOHNSON Claretta	Haines Company, Inc
	THOMAS M	Haines Company, Inc
1958	Russell Printle E	Pacific Telephone

810 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MELENDEZ Ramona	Haines Company, Inc
	a CARDENAS Ramona a	Haines Company, Inc
1967	Kimes Carl E	Pacific Telephone
1958	Kimes Carl E	Pacific Telephone

811 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a BLANSON Laklesha	Haines Company, Inc
	ROBERTS Sabra	Haines Company, Inc
1967	Harris Alfred L	Pacific Telephone
1958	Craig Melba C	Pacific Telephone

FINDINGS

814 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TORRES Blanca	Haines Company, Inc

E 80th St

815 E 80th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	GENERO GOMEZ GARCIA	EDR Digital Archive

E 80TH ST

815 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a GARCI AGenaro	Haines Company, Inc
	GOMEZ Genaro	Haines Company, Inc
	GOMEZGARCIA	Haines Company, Inc
	Genaro	Haines Company, Inc

818 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HERNANDEZ Mara	Haines Company, Inc
	Isabel	Haines Company, Inc
	a MARTINON Galdno	Haines Company, Inc
1958	Wells Lonas	Pacific Telephone

E 80th St

819 E 80th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	HECTOR OLETA	EDR Digital Archive
2010	HECTOR OLETA	EDR Digital Archive

E 80TH ST

819 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Y GUZMANAnton la	Haines Company, Inc
	OLETA Hector	Haines Company, Inc
1967	Combs Irene	Pacific Telephone
1958	Henry Minnie	Pacific Telephone

FINDINGS

822 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MEDINA Anna	Haines Company, Inc
1967	Payne Willie Jr	Pacific Telephone
1958	Schmitt M R	Pacific Telephone

E 80th St

823 E 80th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	WILLIAM AND KELLY GROUP HOME	EDR Digital Archive

E 80TH ST

823 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WILLIAMS Renee	Haines Company, Inc

826 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JUAREZ Bruno	Haines Company, Inc
	MARIN Miguel	Haines Company, Inc

E 80th St

827 E 80th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TIJAY RENEE CRISIS CENTER INC	EDR Digital Archive
2010	TIJAY RENEE CRISIS CENTER INC	EDR Digital Archive

E 80TH ST

827 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WILLIAMS Renee	Haines Company, Inc
1967	Watson Ida	Pacific Telephone
1958	Watson Ida	Pacific Telephone

830 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MIDDLETON Vernon	Haines Company, Inc
1967	Hall Lucille	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Hall Lucille	Pacific Telephone

831 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MURRAYWallace a GRIFFIN Ludlle	Haines Company, Inc Haines Company, Inc

832 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
1958	Golson Robt	Pacific Telephone

834 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CERVANTEZ Jesus	Haines Company, Inc
1967	Griffin Bennie	Pacific Telephone

835 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Manz Katie	Pacific Telephone
1958	Manz Geo	Pacific Telephone

836 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Taylor Porter	Pacific Telephone
	Taylor Franklin	Pacific Telephone
1958	Zander Harry G	Pacific Telephone

838 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	e GOSEY Naboth	Haines Company, Inc

E 80th St

839 E 80th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SUTHERLAND FREDRIC	EDR Digital Archive
2010	SUTHERLAND FREDRIC	EDR Digital Archive

FINDINGS

E 80TH ST

839 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Fredrick	Haines Company, Inc
	SUTHERLAND	Haines Company, Inc
1958	Marmolejo Helen	Pacific Telephone

842 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a HERNANDES Rosa A	Haines Company, Inc
1967	Shaw John L	Pacific Telephone
1958	Shaw John L	Pacific Telephone

843 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MOORE Vema	Haines Company, Inc
1958	Hunt Arthur B	Pacific Telephone

845 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a BROOKS Russell	Haines Company, Inc
1967	Loach Jean Mrs	Pacific Telephone
	Hunt Arthur B	Pacific Telephone
1958	Loach Jean Mrs	Pacific Telephone

846 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WHITE Helen	Haines Company, Inc
1958	White Arlizzie	Pacific Telephone

847 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Johnson Mae Lane	Pacific Telephone
1958	Murray John Jr	Pacific Telephone

E 80th St

850 E 80th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LITTLE REBECCA REALTY	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	LITTLE REBECCA REALTY	EDR Digital Archive

E 80TH ST

851 E 80TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a CHAVEZ Octavio	Haines Company, Inc

E 80th St

907 E 80th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	ORTEGAS AUTO REPAIR	EDR Digital Archive

MC KINLEY AVE

7656 MC KINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	JONES ELIZABETH	Pacific Bell

7706 MC KINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	JOHNSON DENICE	Pacific Bell

7829 MC KINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MILLEDGE-FINLEY ELOISE	Pacific Bell

7905 MC KINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	JAMES ALBERT	Pacific Bell

7907 MC KINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	BEE MARSHA	Pacific Bell

MCKINLEY AVE

7656 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ESPARZA Alejandrm	Haines Company, Inc
	PATTERSON Yolanda	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a STONE Gregory	Haines Company, Inc
	a DUARTE Lilla	Haines Company, Inc
2000	RAMIREZ Jose	Haines & Company
1942	Cosick John Mabel	Los Angeles Directory Co.
	Goold Nora M wid O M	Los Angeles Directory Co.
	MATTESON Ralph E	Los Angeles Directory Co.
1929	Rand Hazel clk r	Los Angeles Directory Co.

7658 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
2000	XXXX	Haines & Company
1937	Mc Fadden Jos Rose	Los Angeles Directory Co.
1933	Horsey Chas R Winifred millwright FS Inco	Los Angeles Directory Co.
1929	Wampler Mabel Mrs bkpr Tolson Transportation System r	Los Angeles Directory Co.

7659 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	CARDENAS Maria	Haines & Company
1937	Kussick Mabel wrapper	Los Angeles Directory Co.
1929	OConnell Jas M glasswkr	Los Angeles Directory Co.

7662 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PEREZ Manuel	Haines Company, Inc
2000	XXXX	Haines & Company
1981	KELLY LINDSEY	Pacific Telephone
1942	BUNNELL Jacob J Lucy K	Los Angeles Directory Co.
1937	Brunnell J J	Los Angeles Directory Co.
1933	Bunnell Jacob J	Los Angeles Directory Co.

7664 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BARRERA Reluglo	Haines Company, Inc
1976	Spann Richardean D	Pacific Telephone
1942	GIBSON Floyd L Dorothy tel installer	Los Angeles Directory Co.
	GIBSON Dorothy clk	Los Angeles Directory Co.
1937	HAMEL Jos I Nettie real est	Los Angeles Directory Co.

FINDINGS

7666 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JOHNSON Cari E	Haines Company, Inc
2000	XXXX	Haines & Company
1942	KENT Ray C Mildred linemn	Los Angeles Directory Co.
1937	COWEN Jack H Nina lab Santa Fe	Los Angeles Directory Co.

7669 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o PALACIOSNeison	Haines Company, Inc
2000	LAWSON Ance	Haines & Company
1942	NEFF Frank H Margt meatctr	Los Angeles Directory Co.
1933	Chowning Martha smstrs	Los Angeles Directory Co.
1929	DAVIS Richd Mabel mach	Los Angeles Directory Co.

7700 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RODRIGUEZ Eiea	Haines Company, Inc
2000	BLANCAS Andres	Haines & Company
	PIMENTEL Javier	Haines & Company
1942	Pasteur Harry A Muriel glove ctr	Los Angeles Directory Co.
1937	BRIDGES W M driver	Los Angeles Directory Co.
1933	SCHNEIDER Edwin J Alma baker	Los Angeles Directory Co.

7702 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RENTERIAValeria	Haines Company, Inc
1942	Jones Max W Darlene clk	Los Angeles Directory Co.
1929	LAWRENCE Homer W Betty electn	Los Angeles Directory Co.
	GILL Fred W Ruth tire bldr	Los Angeles Directory Co.
	GILL Ruth R sten	Los Angeles Directory Co.

7704 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines & Company
	SYLVAN LEARNING CENTER	Haines & Company
1937	Bruno Victor Janet driver	Los Angeles Directory Co.

7706 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	Coppolino Michl A Mae emp Harold J Bell	Los Angeles Directory Co.
1929	CULVER Wm J Ida chauf	Los Angeles Directory Co.

7714 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	Neville Wm M Mildred lather	Los Angeles Directory Co.
1937	Sarver Juanita C Mrs typist Bd of Educ	Los Angeles Directory Co.
	Quaintance Richd S carpet ctr	Los Angeles Directory Co.
1929	Witterick Norman S Jean bkpr Rancho La Brea Oil Co r	Los Angeles Directory Co.

7821 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	LARSON Kathryn	Los Angeles Directory Co.

7823 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AYALA David	Haines Company, Inc
	CHAVEZUdia	Haines Company, Inc
2000	MARIN David	Haines & Company
1981	JETER DORA L	Pacific Telephone
1976	Taylor Gwendolyn	Pacific Telephone
1937	JOHNSON Carl V	Los Angeles Directory Co.
1933	WALLACE Alice L clk	Los Angeles Directory Co.

7825 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Davila Manuel	Pacific Telephone
1942	Cousins Grace R Mrs	Los Angeles Directory Co.
	May Clarence T Erma mach	Los Angeles Directory Co.
1937	JOHNSON Richd M	Los Angeles Directory Co.
1933	Jesse Anthony A lieut police	Los Angeles Directory Co.

7827 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	COOPER Kresha	Haines Company, Inc
2000	CAMACHO Victor M	Haines & Company
1976	Rodgers Rufus	Pacific Telephone
1942	Kreals Nellie D mach opr	Los Angeles Directory Co.
	Kraals Martin	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1937	CANNON Arch C Madge dymn Santa Fe	Los Angeles Directory Co.

7829 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines & Company
1942	DEAN Chas V Martha electn	Los Angeles Directory Co.
1937	Franz Susanna	Los Angeles Directory Co.
	Franz Martin Susanna	Los Angeles Directory Co.

7905 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	JAMES Albert	Haines & Company
1986	BROWN ESTRELLA	Pacific Bell

7907 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BROWN Caddean	Haines Company, Inc
2000	BROWN Carldean	Haines & Company

7910 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o BURTONC	Haines Company, Inc
2000	BURTON Charles	Haines & Company
1942	HOWARD Chas Jean electn	Los Angeles Directory Co.
1937	HOOVER Minnie Mrs	Los Angeles Directory Co.
	De Luca Leo	Los Angeles Directory Co.

7911 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
2000	XXXX	Haines & Company

7917 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	e MOORE Biffie	Haines Company, Inc
2000	HENRY Annie	Haines & Company
1981	MOORE ELIJAH	Pacific Telephone

7918 MCKINLEY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	COWEN Jack H lab SFRy	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	MORGAN Edw Ruth driver	Los Angeles Directory Co.
1933	Sandidge J W formn Six Wheels Inc	Los Angeles Directory Co.
1929	Kibler Frank K Freda mach	Los Angeles Directory Co.

STANFORD AVE

7706 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TURNER Wanda	Haines Company, Inc
2000	TURNER Wanda	Haines & Company
1951	Stanfrd Av Billings E J r	Pacific Telephone & Telegraph Co.
1942	CLIFFORD Homer C Ann D printer T V Allen C W Riter Co	Los Angeles Directory Co.
1937	Brunson Herbt USA	Los Angeles Directory Co.
	Brunson Waldo W Margt carp	Los Angeles Directory Co.
1933	NEWTON F W slsmn Wilshire Oil Co	Los Angeles Directory Co.

7708 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Ubaldo	Haines Company, Inc
	PEREZ Meneses	Haines Company, Inc
	GONZALEZ Jose S	Haines Company, Inc
2000	ZAVALA Oscar	Haines & Company
1976	Strickland Walter	Pacific Telephone
1951	Stanfrd Av Gotcher Raymond S r	Pacific Telephone & Telegraph Co.
1942	BROWN Maude Mrs	Los Angeles Directory Co.
1937	MORRISON Jas V Annetta clk	Los Angeles Directory Co.
	MORRISON Marjorie F	Los Angeles Directory Co.
1933	MORRISON Jas V clk	Los Angeles Directory Co.

7711 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GONZALEZ Fabiola	Haines Company, Inc
2000	GARCIA Eduardo	Haines & Company
1942	PETRIE Wm Lily slsmn	Los Angeles Directory Co.
1937	Shear Geo Mary elev opr	Los Angeles Directory Co.

7804 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BODDIE Mattie Lee	Haines & Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Boddie Mattie Lee	Pacific Bell
1990	BODDIE MATTIE LEE	Pacific Bell
1986	BODDIE MATTIE LEE	Pacific Bell
1981	BODDIE MATTIE LEE	Pacific Telephone
1976	Boddie Mattie Lee	Pacific Telephone
1951	Stanfrd Chatmon Ocie r	Pacific Telephone & Telegraph Co.
1942	KENNEY Marion H Pkr	Los Angeles Directory Co.

7808 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	HOUSTON Carol	Haines & Company
1951	Stanfrd Av Smith Saml H r	Pacific Telephone & Telegraph Co.
1942	ANDERSON Anna H Mrs	Los Angeles Directory Co.

7810 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ROMEROMario	Haines Company, Inc
2000	CAZZALY Isabelle	Haines & Company
1981	JONES DORIS	Pacific Telephone
1962	Welebir Wilbur M	Pacific Telephone
1958	Welebir Wilbur M	Pacific Telephone
1951	Stanfrd Av Welebir Wilbur M r	Pacific Telephone & Telegraph Co.
1942	Welebir Wilbur M Ruth A mech	Los Angeles Directory Co.
1937	Engstrom Marie wid Michl	Los Angeles Directory Co.

7811 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DIAZAddana	Haines Company, Inc
	RANGEL Alberto C	Haines Company, Inc
2000	RANGEL Alberto	Haines & Company
1951	Stanfrd Av Bowie Wm M	Pacific Telephone & Telegraph Co.
1942	Cuevas Jos G jr mach	Los Angeles Directory Co.
	Cuevas Jos G Gertrude toolmkr	Los Angeles Directory Co.
	Cuevas Gladys V	Los Angeles Directory Co.
1937	Cuebas Jos jr mach	Los Angeles Directory Co.
	Cuebas Jos Gertrude mach	Los Angeles Directory Co.
	Cuebas Gladys clk	Los Angeles Directory Co.
1929	Rinn Wm Mary slsmn h	Los Angeles Directory Co.

FINDINGS

7815 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
1990	HUBBARD TEASIE	Pacific Bell
1951	Stanfrd Av West Morris T r	Pacific Telephone & Telegraph Co.
1942	WOOD Geo W photo engvr	Los Angeles Directory Co.
	WOOD Chas O Grace meatctr	Los Angeles Directory Co.
1937	WOOD Chas O Grace meat ctr	Los Angeles Directory Co.
1933	WOOD Chas O meat ctr	Los Angeles Directory Co.

7816 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DAVIS Michelle	Haines Company, Inc
2000	PENN Barbara	Haines & Company
1990	LONG VERTLE	Pacific Bell
1981	ADOLPH JOSEPH R	Pacific Telephone
1951	Stanfrd Av De Bellis Alfred r	Pacific Telephone & Telegraph Co.

7817 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WERNER Jack C	Haines Company, Inc
2000	WERNER Jack	Haines & Company
1951	Stanfrd Av Fountain Helen r	Pacific Telephone & Telegraph Co.
1942	BUSH Maurice	Los Angeles Directory Co.
1937	Stringhamn Paul F Oleta slsmn Pac Enameling & Platign Co	Los Angeles Directory Co.

7818 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
2000	XXXX	Haines & Company
1976	Slaughter Ledrew	Pacific Telephone

7820 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
1951	Stanfrd Av Becker Henry r	Pacific Telephone & Telegraph Co.

7900 STANFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MARROQUIN Fel lx	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	FLORES M	Haines & Company
	ERRO Fermin	Haines & Company
1981	BARNER ANGELA J	Pacific Telephone
1942	Huston Joe Nadine aircrftwkr	Los Angeles Directory Co.
1937	Remelts John Reka mldr	Los Angeles Directory Co.
1933	Vinger Kath slswn	Los Angeles Directory Co.
	Vinger Gulbran Kath	Los Angeles Directory Co.

WADSWORTH AVE

7703 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	RAMIREZ Casimiro	Haines & Company
1951	Wadswrth Av Adams A V r	Pacific Telephone & Telegraph Co.

7705 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
2000	XXXX	Haines & Company
1981	HERBERT	Pacific Telephone
1951	Wadswrth Av Broussard Alvin J r	Pacific Telephone & Telegraph Co.
1942	Mc MURRAY Jack	Los Angeles Directory Co.
1937	Moline Gladys fctywkr	Los Angeles Directory Co.

7707 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
2000	XXXX	Haines & Company
1981	MCCRAY VAN	Pacific Telephone
1976	Mc Cray Van	Pacific Telephone
1951	Wadswrth Av Green Esco r	Pacific Telephone & Telegraph Co.
1937	Marr Josephine sten Nesbitt Fruit Products Co	Los Angeles Directory Co.
	Squiccimarrie Cath	Los Angeles Directory Co.
	Squiccimarrie Josephine	Los Angeles Directory Co.
	Squiccimarrie Lorenzo	Los Angeles Directory Co.

7709 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ZEPEDALsz	Haines Company, Inc

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	WILLIAMS Kaiko	Haines & Company
1990	SANCHEZ JOEL D	Pacific Bell
1981	ADAMS A V	Pacific Telephone
1951	Wadswrth Av Mason Etheleen r	Pacific Telephone & Telegraph Co.
1942	Bohiken Jas L fctrwkr	Los Angeles Directory Co.

7710 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o DIAZNellali	Haines Company, Inc
2000	ARCEGA Ruben	Haines & Company
1990	SANCHEZ IGNACIO	Pacific Bell
1962	Thackeray Donald C	Pacific Telephone
1958	Thackeray Donald C	Pacific Telephone
1951	Wadswrth Av Thackeray Donald C r	Pacific Telephone & Telegraph Co.
1942	Thackeray Donald C aircrftwkr	Los Angeles Directory Co.
	Thackeray Donald H Tillie mech	Los Angeles Directory Co.

7711 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	JOHNSONLaqulia	Haines Company, Inc
2000	XXXX	Haines & Company
1981	SMITH EMMA LEE	Pacific Telephone
1958	Claybourne Jack	Pacific Telephone
1951	Wadswrth Av Claybourne Jack r	Pacific Telephone & Telegraph Co.
1942	BUCKLEY Rose C pkr	Los Angeles Directory Co.

7714 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a CHICAS Jose R	Haines Company, Inc
2000	CHICAS Jose R	Haines & Company
1986	WALKER HELEN R	Pacific Bell
1981	WILLIAMS BONNIE	Pacific Telephone
1951	Wadswrth Av S T Motors	Pacific Telephone & Telegraph Co.
1937	Worthington Dorris waiter	Los Angeles Directory Co.

7717 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	YARBERJames	Haines Company, Inc
	JIMINEZ Cruz Gloria	Haines Company, Inc
2000	YARBER James	Haines & Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	JIMINEZCRUZ Gloria	Haines & Company
1951	E Wadswrth Av Young Arthur r	Pacific Telephone & Telegraph Co.
1942	SANDERS Ocey V Mrs mach opr	Los Angeles Directory Co.
	SANDERS Lorraine F smstrs	Los Angeles Directory Co.
1937	Harr Edw Irene	Los Angeles Directory Co.
	Harr Anna wid Andw	Los Angeles Directory Co.

7810 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GARCIAIrma	Haines Company, Inc
2000	GARCIA Irma	Haines & Company
1951	S Wadswrth Av Aguayo Alex r	Pacific Telephone & Telegraph Co.

Wadsworth Ave

7812 Wadsworth Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	CISNEROS DAVID	EDR Digital Archive

WADSWORTH AVE

7812 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GONZALEZ Nicolas	Haines Company, Inc
1951	Wadswrth Av Roldan Ygnacia r	Pacific Telephone & Telegraph Co.
1942	Roldan Ricardo clk	Los Angeles Directory Co.
1937	Veazey Andw J Una G mech	Los Angeles Directory Co.

7816 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WRIGHT RPchard	Haines Company, Inc
1958	Clearwater E D Mrs	Pacific Telephone
1951	Wadswrth Av Clearwater E D Mrs r	Pacific Telephone & Telegraph Co.
1942	La Puma Jos J prsmn CWP Co	Los Angeles Directory Co.

7818 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
2000	XXXX	Haines & Company
1986	WILLIS PHYLLIS LOVIE	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	WILLIS PHYLLIS LOVIE	Pacific Telephone
1976	Manning Phyllis Lovie	Pacific Telephone
1951	Wadswrth Av Diehl Dorothy M	Pacific Telephone & Telegraph Co.
1942	Pirroni Theo Mary	Los Angeles Directory Co.

Wadsworth Ave

7820 Wadsworth Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	FLOORING FOR YOU	EDR Digital Archive

WADSWORTH AVE

7820 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc
1942	COMBS Robt B Rita mach	Los Angeles Directory Co.

7900 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	Curran Thos H servmn Don Lee	Los Angeles Directory Co.

7901 WADSWORTH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1937	Filippi Ginoro Jessie tmstr	Los Angeles Directory Co.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

7812 McKinley Ave

Address Not Identified in Research Source

2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

700 E 77TH ST

Address Not Identified in Research Source

2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

701 E 78TH ST

2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

703 77TH ST E

2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

703 78TH ST E

2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

703 E 77TH

2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

703 E 77TH ST

2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

703 E 78TH

2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched

Address Not Identified in Research Source

906 78TH ST E	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
907 78TH ST E	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
907 79TH ST E	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
907 E 80th St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 E 79th St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Appendix 3

Additional Information

From: [Colleen Paine](#)
To: [Devin Dinapoli](#)
Subject: RE: public records request
Date: Tuesday, June 27, 2017 11:27:34 AM
Attachments: [image001.png](#)

There is another process for grid searches for school sites. The form can be found here: <http://www.aqmd.gov/docs/default-source/aqmd-forms/Permit/ab3205-request-form.pdf?sfvrsn=28> This may be what you are looking for, and why other AQMDs give you something different than records. You can call David Hauck at 909 396 2512, for more information.

As far as emissions records, none of these facilities have active permits, and the only inactive permit is a boiler at the school – which has been removed. There would be no emission information for me to provide. Let me know if you would like to cancel your request.

Regards,
Colleen

From: Devin Dinapoli [<mailto:ddinapoli@rinconconsultants.com>]
Sent: Tuesday, June 27, 2017 10:54 AM
To: Colleen Paine <CPaine@aqmd.gov>
Subject: RE: public records request

Thank you for your response Ms. Paine. I apologize for the confusion, because as I have stated before, every other AQMD that I have worked with for the California Department of Education checklist has been able to answer this request. I believe we are most concerned with the emissions of the facilities. Is there someone else in your department that can help me with this request?

Ms. Devin DiNapoli
Environmental Scientist

Rincon Consultants, Inc.
213 788 4842
www.rinconconsultants.com
Environmental Scientists Planners Engineers

Our Los Angeles office has relocated and expanded. Please note our new address:
250 East 1st Street, Suite 301
Los Angeles, California 90012

From: Colleen Paine [<mailto:CPaine@aqmd.gov>]
Sent: Tuesday, June 27, 2017 7:59 AM
To: Devin Dinapoli
Subject: RE: public records request

Mr. DiNapoli,

As I stated before, I can only provide records. I have no ability to determine the health effects. I can use your email as a public records request, however, I need to know what records you are requesting. Most commonly requested records are permits (also on FIND), notices of violation (on FIND), complaints, site inspections, and asbestos records. Please let me know what you would like

to request.
Regards,
Colleen

From: Devin Dinapoli [<mailto:ddinapoli@rinconconsultants.com>]
Sent: Monday, June 26, 2017 5:48 PM
To: Colleen Paine <CPaine@aqmd.gov>
Subject: RE: public records request

Hi Colleen,

According to the FINDS website, there are three permitted facilities within 1.4 mile. Because it is a low number, would you be able to assess if they may affect school inhabitants?

ID 72774 LA UNI SCH DOIST, MCKINLEY AVE SCHOOL 7812 McKinley Ave
ID 137122 Romo Cabinets, 7768 S Central Ave, Los Angeles
4849 Swing Time Cleaners, 7803 So Central Avenue, Los Angeles

If not, how can I send a formal request for documents for the four sites? Or is this email sufficient?

Devin DiNapoli
Environmental Scientist

Rincon Consultants, Inc.
213 788 4842
www.rinconconsultants.com
Environmental Scientists Planners Engineers

*Our Los Angeles office has relocated and expanded. Please note our new address:
250 East 1st Street, Suite 301
Los Angeles, California 90012*

From: Colleen Paine [<mailto:CPaine@aqmd.gov>]
Sent: Tuesday, June 20, 2017 9:48 AM
To: Devin Dinapoli
Subject: FW: public records request

Mr. Dinapoli,
I never heard back from you regarding my email below, and whether or not you were going to do your own search. I will cancel the request you sent on 6/13 and wait for any new requests you submit.
Regards,
Colleen Paine
Public Records
909 396 2594

From: Colleen Paine
Sent: Thursday, June 15, 2017 3:26 PM
To: 'Devin Dinapoli' <ddinapoli@rinconconsultants.com>
Subject: RE: public records request

Thank you for your response. I can send your request to another department to do a perimeter search, which may take months to process, and then additional time for us to retrieve the records for each facility. If you can do your own search and then request records for the facilities you find, it is a much quicker process. The SCAQMD is much larger than most APCDs. We have a dedicated department to process requests for public records. We are not able to make determinations about health impacts, only provide records.

Colleen

From: Devin Dinapoli [<mailto:ddinapoli@rinconconsultants.com>]
Sent: Thursday, June 15, 2017 3:12 PM
To: Colleen Paine <CPaine@aqmd.gov>
Subject: RE: public records request

Hi Colleen,

Thanks for following up! Generally with the APCDs that I have worked with for these California Department of Education checklists, they have been able to give me a quick “there are 7 permitted sites within ¼ mile of your site and none of them are expected to impact school inhabitants”.

I’m in the field today, I’ll take a look at the FINDS website in the office tomorrow.

Devin DiNapoli

From: Colleen Paine [<mailto:CPaine@aqmd.gov>]
Sent: Thursday, June 15, 2017 1:59 PM
To: Devin Dinapoli
Subject: RE: public records request

Mr. Dinapoli,

I’m following up on my email sent yesterday (see below). Were you able to conduct a perimeter search and retrieve the facilities? Please let me know if I can be of any assistance.

Regards,

Colleen Paine
Public Records
909 396 2594

From: Colleen Paine
Sent: Wednesday, June 14, 2017 10:10 AM
To: 'DDINAPOLI@RINCONCONSULTANTS.COM' <DDINAPOLI@RINCONCONSULTANTS.COM>

Subject: public records request

Mr. Dinapoli,

[PR - PR Request - 6/13/2017 - - - DEVIN DINAPOLI](#)

We received your request on the link above for facilities in a ¼ mile radius from a school. We need specific facilities or addresses in order to search for records. You can use our FIND feature of our website to perform a radius search, then submit a request for each facility your search produces. Your request can ask for permits, notices of violation, complaints, site inspections, or other identifiable records. The Public Records Department can't determine if a facility would adversely affect school inhabitants.

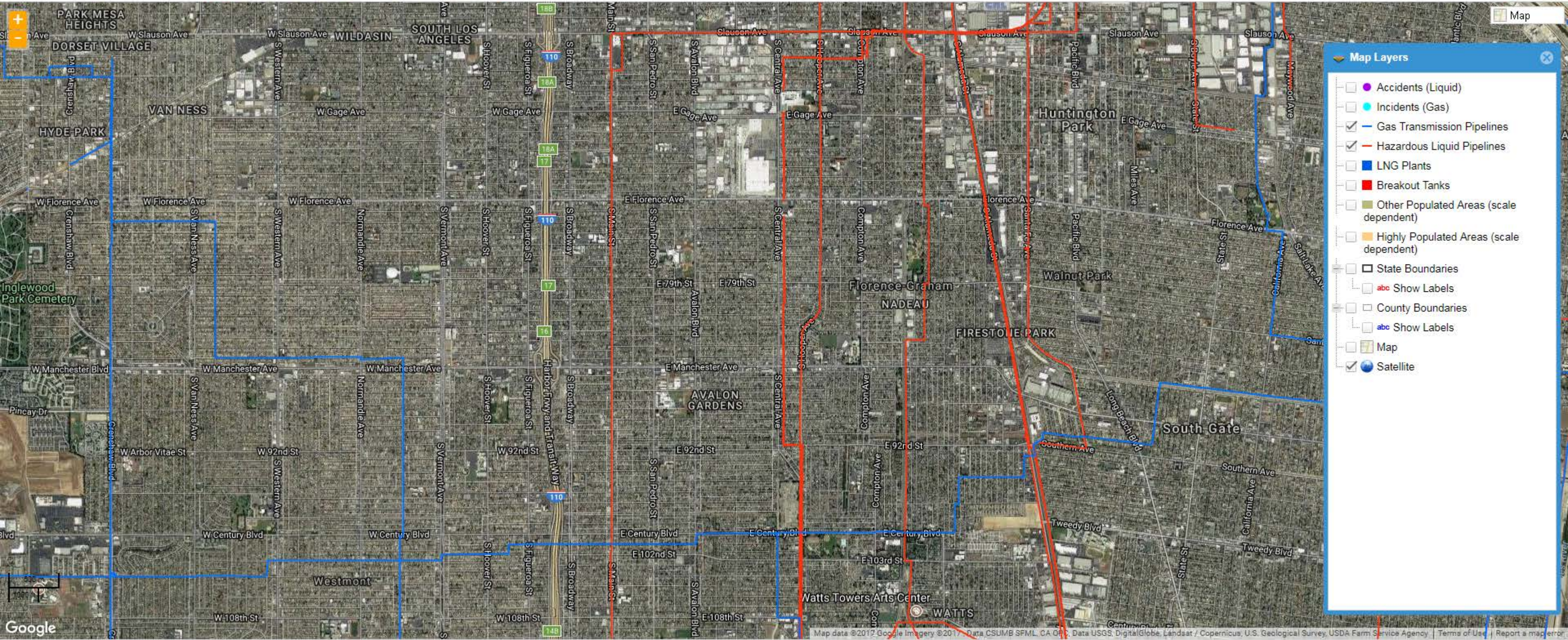
Here is a link to FIND: <http://www3.aqmd.gov/webappl/fim/prog/search.aspx>

Near the top of the page you will see "[Click here](#) for a detailed map search.". On the left side of the page that opens, choose "Querying" and fill in the address and distance you are searching. Click on the blue dots to reveal the facility that is located there.

You can view equipment lists, permits, and notices to comply, and violations in FIND on our website as well. If you want additional information, please submit one request per facility.

Regards,

Colleen Paine
Public Records
909 396 2594





Luis Ramirez
Pipeline Planning Assistant

9400 Oakdale Blvd
Chatsworth, CA 91311

LRamirez5@semprautilities.com

June 28, 2017

Rincon Consultants, Inc.
250 East 1st Street, Suite 301
Los Angeles, California 90012

Email: Devin Dinapoli - ddinapoli@rinconconsultants.com

Subject: Requesting Information on Pipelines in Los Angeles
I am requesting information on any pipelines within 1,500-feet of a property at 7812 McKinley Avenue, Los Angeles, California. The site is an elementary school, and I am asking in order to adhere to the California

DCF: 0803-17NC590

The Transmission Department of SoCalGas does not operate any facilities within your proposed improvement. However, SoCalGas **Northwest** Distribution Region may maintain and operate facilities within your project scope.

To assure no conflict with the **Northwest** Distribution's pipeline system, please e-mail them at **NorthwestDistributionUtilityRequest@semprautilities.com**.

Sincerely,

Luis Ramirez
Pipeline Planning Assistant
LRamirez5@semprautilities.com

June 28, 2017

1 of 1



July 19, 2017

To whom it may concern,

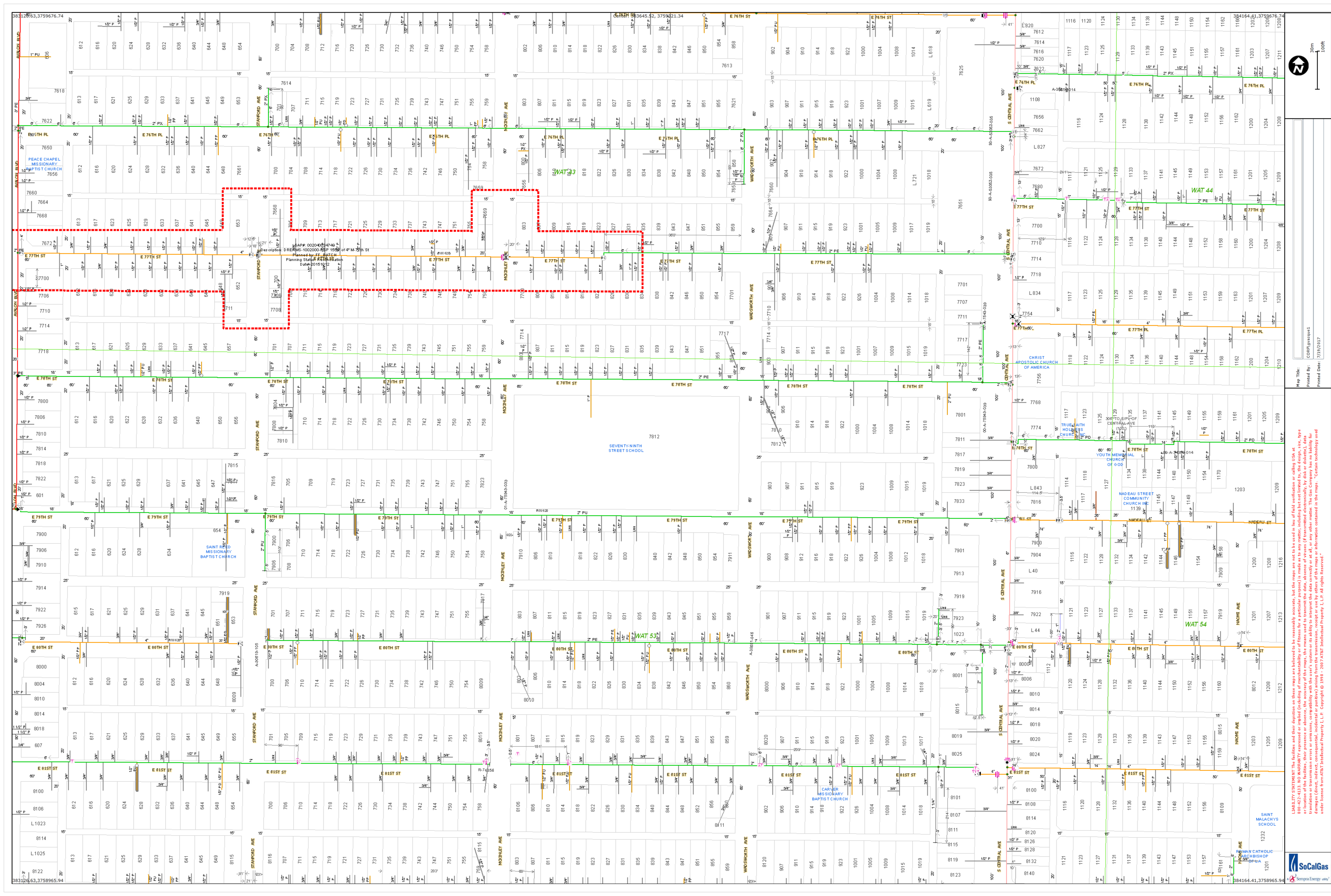
Enclosed is a copy of our Atlas Sheets with the approximate locations of our gas mains for you to post to your proposed project plans. There also may be service laterals coming from mains that are not identified on the plans. The dimensions and locations of the mains are believed to be reasonably correct but are not guaranteed.

The depths of our facilities vary and can only be confirmed by pot holing, or some other acceptable method of taking elevations.

It is extremely important that you furnish us with "signed" final plans, before construction, including profiles and subsequent plan revisions as soon as they are available. A minimum of twelve (12) weeks is needed to analyze the plans and design alterations for any conflicting facilities. Depending on the magnitude of the work involved, additional time may be required to clear the conflict.

Underground Service Alert (USA), (800) 442-4133 or (800) 227-2600, must be notified 48 hours prior to commencing work. Please keep us informed of construction schedules, pre-construction meetings, etc., so that we can schedule our work accordingly. If no action is taken on this project within 24 months, plans will be discarded.

Gamaliel Vazquez
Planning Associate



LIABILITY STATEMENT: The facilities and their depiction on these maps are believed to be reasonably accurate, but the maps are not to be used in lieu of field verification or calling USA at 800-423-4333. NO WARRANTY expressed or implied (including of merchantability or fitness for a particular purpose) is made as to any matter, including but not limited to, the design, size, type or location of the facilities, their presence or absence, the accuracy of the maps, the means used to transmit the data, the absence of viruses (if transmitted electronically, by disk or otherwise), data translation or transmission errors or omissions, the ability of the user's system to interpret the data correctly or at all, or any other matter. The Gas Company has no liability for any such errors or omissions, and the user assumes all liability for any such errors or omissions. Information contained in the maps. Certain technology and under license from AT&T Intellectual Property, L.P. Copyright © 1998 - 2007 AT&T Intellectual Property L.P. All rights Reserved.



From: [Nguyen, Terry](#)
To: [Devin Dinapoli](#)
Cc: [Gardiner, Denise](#)
Subject: 7812McKinley Ave
Date: Wednesday, June 28, 2017 11:36:23 AM
Attachments: [W100-207.pdf](#)
[W098-207.pdf](#)

Hi Devon,

Attached are LADWP Water Service Maps 100-2017 and 98-207. The school is located on map 100-207. Our water pipelines, shown in orange on these maps, are at the 386-foot system elevation zone. Copied herein is Denise Gardiner, Harbor District Engineer, which the area of interest is located in. Denise can direct you to more info if needed.

Hope this is helpful,

Terry

Terry Nguyen, PE
Civil Engineering Associate
LADWP Water Recycling Planning
213.367.4238 terry.nguyen@ladwp.com

-----Confidentiality Notice-----

This electronic message transmission contains information from the Los Angeles Department of Water and Power, which may be confidential. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the content of this information is prohibited. If you have received this communication in error, please notify us immediately by e-mail and delete the original message and any attachment without reading or saving in any manner.

GS 095-208



E 6.9

9/20/2016 12:56:31 PM, dlee

096-207

[illegible]

100-204

098-207

GS 101-208

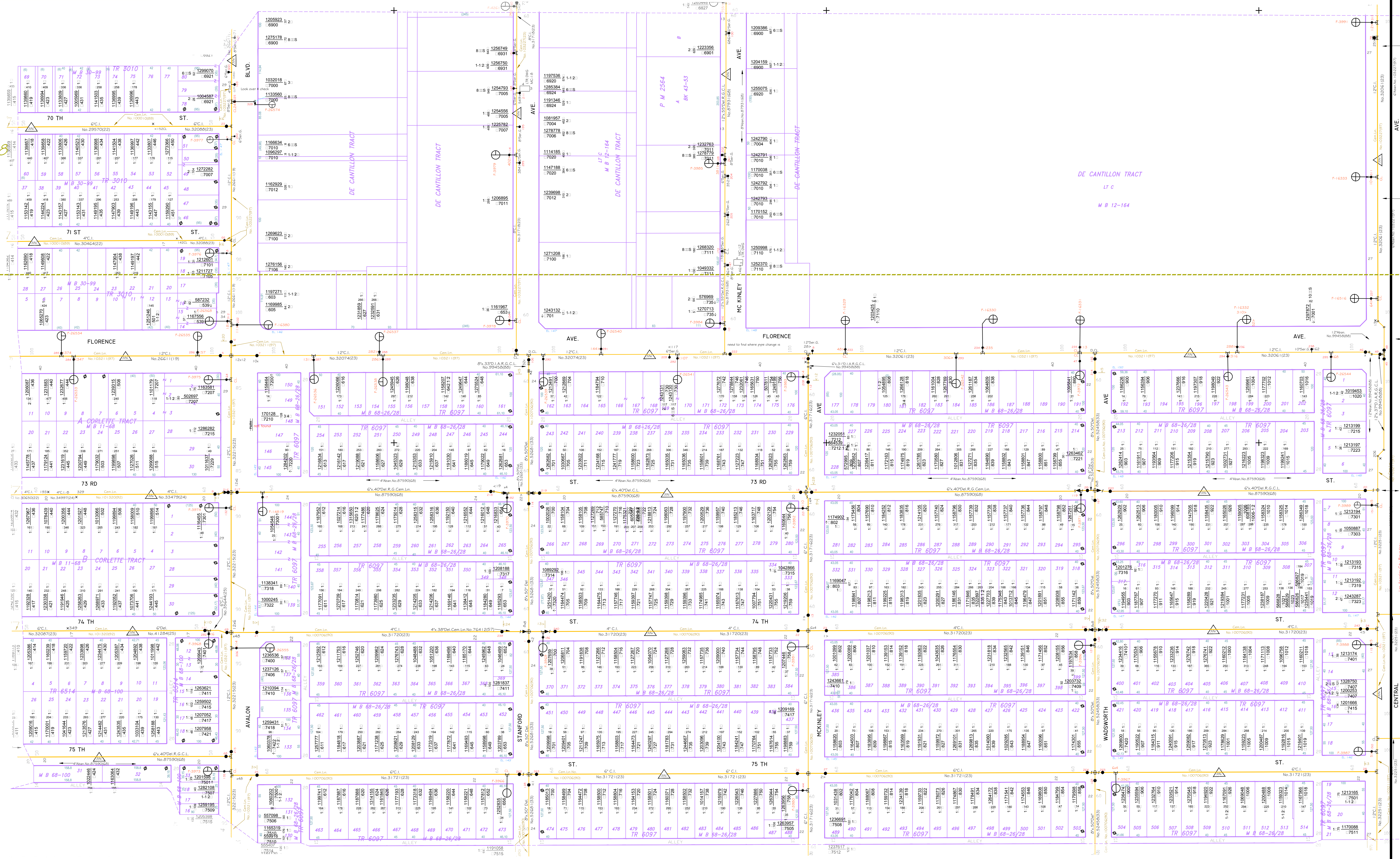
9/21/2016 8:31:19 AM, dlee

GS 106-208

GS 101-208



E 6,460.630



LEGEND MAP SCALE 1"=1500'		SYMBOLS AND NOTATIONS		SCALE: 1"=100'		PLOTTED	DATE	CHKD.	DATE	FIRE HYDRANTS		REFERENCES	
S.S. (Symbol)		M.P. (Symbol)		M.P. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	
M.E. (Symbol)		M.E. (Symbol)		M.E. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	
M.S. (Symbol)		M.S. (Symbol)		M.S. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	
M.S. (Symbol)		M.S. (Symbol)		M.S. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	
M.S. (Symbol)		M.S. (Symbol)		M.S. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	
M.S. (Symbol)		M.S. (Symbol)		M.S. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	
M.S. (Symbol)		M.S. (Symbol)		M.S. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	
M.S. (Symbol)		M.S. (Symbol)		M.S. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	
M.S. (Symbol)		M.S. (Symbol)		M.S. (Symbol)						212'S.O.G.E.		M.P.S. (Symbol)	

WATER GEOGRAPHIC INFORMATION SYSTEMS & GRAPHICS GROUP DEPARTMENT OF WATER AND POWER CITY OF LOS ANGELES	
WATER SERVICE MAP	
SERVICE ZONE ELEVATION	DISTRICT: HARBOR
102-207	

Search Layers About Help

Adobe Acrobat Reader is required to view maps.

(ex: 900 S. Fremont Ave., Fremont@Valley, 5342005904, 2017-0548) 7812 McKinley

Search Results:





Consolidated Sewer Maintenance District - Sanitary Sewer Network

Search

Layers

About

Help

Sewer Maps and Overlays are available in PDF format, click on the desired map grid and make your selection to view.
[Adobe Acrobat Reader](#) is required to view maps.

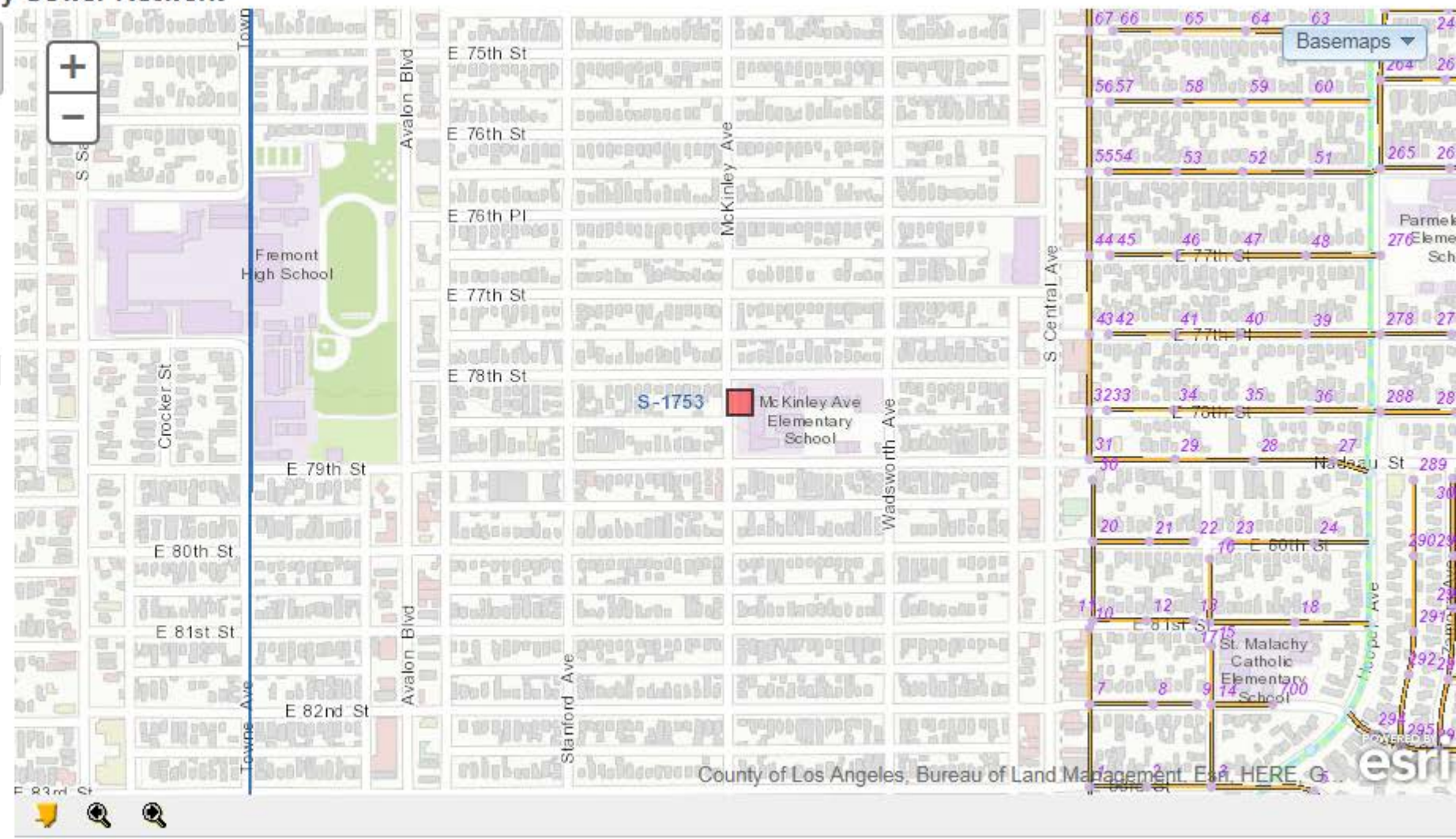
Enter Address, Cross Street, Parcel No., or Manhole No.:
(ex: 900 S. Fremont Ave., Fremont@Valley, 5342005904, 2017-0548)

7812 mckinley

Search

Search Results:

7812 mckinley



Earthquake Zones of Required Investigation Inglewood Quadrangle

California Geological Survey

This Map Shows Both Alquist-Priolo Earthquake Fault Zones and
Seismic Hazard Zones Issued for the Inglewood Quadrangle

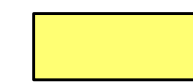
This map shows the location of Alquist-Priolo (AP) Earthquake Fault Zones and Seismic Hazard Zones, collectively referred to here as Earthquake Zones of Required Investigation. The Geographic Information System (GIS) digital files of these regulatory zones released by the California Geological Survey (CGS) are the "Official Maps." GIS files are available at the CGS website <http://maps.conservation.ca.gov/gis/information/warehouse/>. These zones will assist cities and counties in fulfilling their responsibilities for protecting the public from the effects of surface fault rupture and earthquake-triggered ground failure as required by the AP Earthquake Fault Zoning Act (Public Resources Code Sections 2621-2630) and the Seismic Hazards Mapping Act (Public Resources Code Sections 2690-2699.6). For information

regarding the general approach and recommended methods for preparing these zones, see CGS Special Publication 42, *Fault-Rupture Hazard Zones in California*, and CGS Special Publication 118, *Recommended Criteria for Delineating Seismic Hazard Zones in California*. For information regarding the scope and recommended methods to be used in conducting required site investigations refer to CGS Special Publication 42, Appendix C *Guidelines for Evaluating the Hazard of Surface Rupture*, and CGS Special Publication 117A, *Guidelines for Evaluating and Mitigating Seismic Hazards in California*. For a general description of the AP and Seismic Hazards Mapping acts, the zoning programs, and related information, please refer to the website at www.conservation.ca.gov/cgs/.

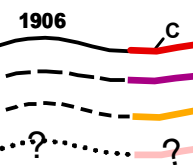
MAP EXPLANATION

ALQUIST-PRIOLO EARTHQUAKE FAULT ZONES

Earthquake Fault Zones
Zone boundaries are delineated by straight-line segments; the boundaries define the zone encompassing active faults that constitute a potential hazard to structures from surface faulting or fault creep such that avoidance as described in Public Resources Code Section 2621.5(a) would be required.

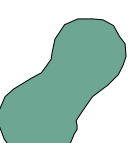


Active Fault Traces
Faults considered to have been active during Holocene time and to have potential for surface rupture. Solid Line in Black or Red where Accurately Located; Long Dash in Black or Solid Line in Purple where Approximately Located; Short Dash in Black or Solid Line in Orange where Intersected; Dotted Line in Black or Solid Line in Rose where Concealed; Query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by fault creep.

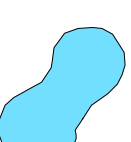


SEISMIC HAZARD ZONES

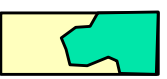
Liquefaction Zones
Areas where historical occurrence of liquefaction, or local geological, geotechnical and ground water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.



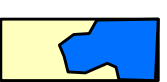
Earthquake-Induced Landslide Zones
Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.



OVERLAPPING ALQUIST-PRIOLO AND SEISMIC HAZARD ZONES



Overlap of Earthquake Fault Zone and Liquefaction Zone
Areas that are covered by both Earthquake Fault Zone and Liquefaction Zone.



Overlap of Earthquake Fault Zone and Earthquake-Induced Landslide Zone
Areas that are covered by both Earthquake Fault Zone and Earthquake-Induced Landslide Zone.

Note: Mitigation methods differ for each zone - AP Act only allows avoidance; Seismic Hazard Mapping Act allows mitigation by engineering/geotechnical design as well as avoidance.

ADDITIONAL INFORMATION

For additional information on the zones of required investigation presented on this map, the data and methodology used to prepare them, and additional references consulted, please refer to the following:

The Northern Newport-Inglewood Fault Zone, in the Long Beach, Inglewood, Hollywood, and Beverly Hills Quadrangles, Ventura County, California
California Geological Survey, Fault Evaluation Report FER-173,
<http://gmw.conservation.ca.gov/SHP/EZ/IRIM/Reports/FER/173/>

For more information on the Alquist-Priolo Earthquake Fault Zoning Act please refer to:
<http://www.conservation.ca.gov/cgs/ghm/ap/Pages/main.aspx>

Seismic Hazard Zone Report for the Inglewood 7.5-minute Quadrangle, Los Angeles County, California
California Geological Survey, Seismic Hazard Zone 027,
http://gmw.conservation.ca.gov/SHP/EZ/IRIM/Reports/SHZR/SHZR_027_Inglewood.pdf

For more information on the Seismic Hazards Mapping Act please refer to:
<http://www.conservation.ca.gov/cgs/shzp/Pages/SHPmgpinfo.aspx>

Click the link below to learn how to take greater advantage of the GeoPDF format of this map after downloading.
<http://gmw.conservation.ca.gov/SHP/EZ/IRIM/Docs/TerragoUserGuide.pdf>

INGLEWOOD QUADRANGLE

EARTHQUAKE FAULT ZONES

Delineated in compliance with
Chapter 7.5 Division 2 of the California Public Resources Code
(Alquist-Priolo Earthquake Fault Zoning Act)

REVISED OFFICIAL MAP

Released: July 1, 1986

STATE GEOLOGIST

SEISMIC HAZARD ZONES

Delineated in compliance with
Chapter 7.8 Division 2 of the California Public Resources Code
(Seismic Hazards Mapping Act)

OFFICIAL MAP

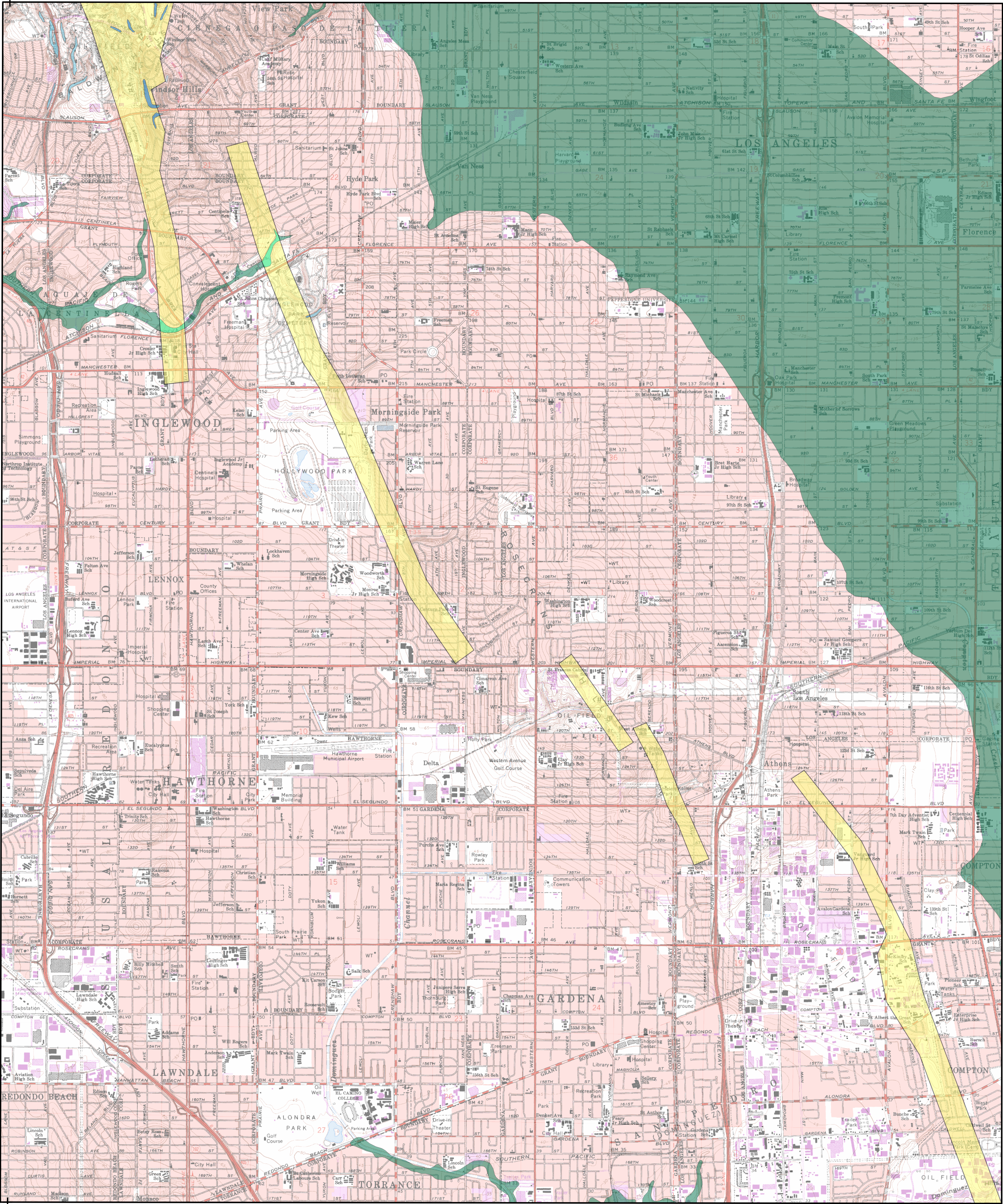
Released: March 25, 1999

STATE GEOLOGIST

IMPORTANT

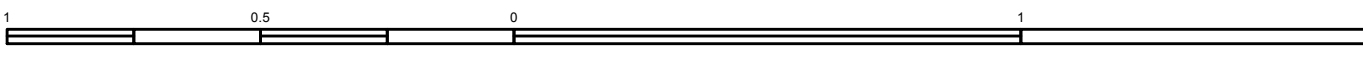
PLEASE NOTE THE FOLLOWING FOR ZONES SHOWN ON THIS MAP

- This map may not show all faults that have the potential for surface fault rupture, either within the Earthquake Fault Zones or outside their boundaries. Additionally, this map may not show all areas that have the potential for liquefaction, landsliding, strong earthquake ground shaking or other earthquake and geologic hazards. Also, a single earthquake capable of causing liquefaction or triggering landslide failure will not uniformly affect the entire area zoned.
- Faults shown are the basis for establishing the boundaries of the Earthquake Fault Zones.
- The identification and location of these faults are based on the best available data. However, the quality of data used is varied. Traces have been depicted as accurately as possible at a map scale of 1:24,000.
- Liquefaction zones may also contain areas susceptible to the effects of earthquake-induced landslides. This situation typically exists at or near the toes of existing landslides, downslope from rockfall or debris flow source areas, or adjacent to steep stream banks.
- Landslide zones on this map were determined, in part, by adapting methods first developed by the U.S. Geological Survey (USGS). Landslide hazard maps prepared by the USGS typically use experimental approaches to assess earthquake-induced and other types of landslide hazards. Although aspects of these new methodologies may be incorporated in future CGS seismic hazard zone maps, USGS maps should not be used as substitutes for these Official SEISMIC HAZARD ZONES maps.
- USGS base map standards provide that 90 percent of cultural features be located within 40 feet (horizontal accuracy) at the scale of this map. The identification and location of liquefaction and earthquake-induced landslide zones are based on available data. However, the quality of data used is varied. The zone boundaries depicted have been drawn as accurately as possible at this scale.
- Information on this map is not sufficient to serve as a substitute for the geologic and geotechnical site investigations required under Chapters 7.5 and 7.8 of Division 2 of the California Public Resources Code.
- Seismic Hazard Zones identified on this map may include developed and where delineated hazards have already been mitigated to city or county standards. Check with your local building/planning department for information regarding the location of such mitigated areas.
- DISCLAIMER:** The State of California and the Department of Conservation make no representations or warranties regarding the accuracy of the data from which these maps were derived. Neither the State nor the Department shall be liable under any circumstances for any direct, indirect, special, incidental or consequential damages with respect to any claim by any user or any third party on account of or arising from the use of this map.

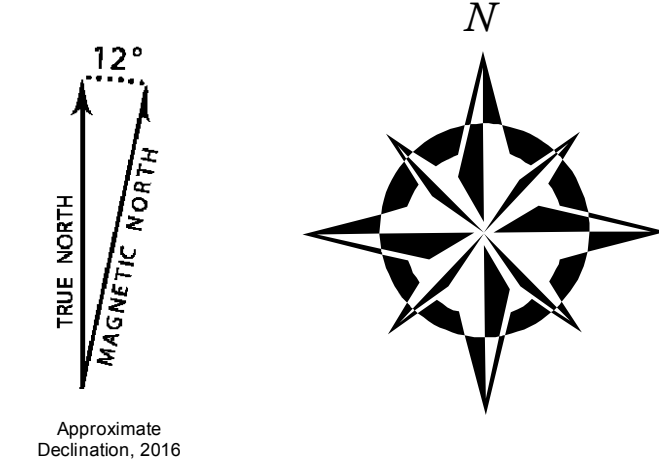


Study area defined by USGS quadrangle boundaries using NAD 27, represented by the visible map extent. Data are maintained and distributed in California Ader's (meters), NAD 83, [EPSG:3310] as shown by tick and coordinates. Shaded topographic relief derived from USGS 10 meter NED, 2013. Topographic base map from USGS 1964, photorevised, 1981. Street data from US Census Bureau TIGERLine, 2016.

Scale 1: 24000



Contour Interval 5 Feet



California Geological Survey
Geologic Information and Publications
801 K Street, MS 14-34
Sacramento, CA 95814-3532
www.conservation.ca.gov/cgs



Beverly Hills	Hollywood	Los Angeles
Venice	Inglewood	South Gate
Redondo Beach	Torrance	Long Beach Extension





MAP EXPLANATION

Faults mapped by Castle (1960), dashed where approximately located, short dash where inferred, dotted where concealed; queries indicate additional uncertainty.

"Earth crack" mapped by Castle & Yerkes (1976), dashed where approximately located. (See figure 2a).

Inferred fault mapped by Weber and others (1982), dotted and queried where concealed.

Faults mapped by Poland & others (1959), dashed where inferred, dotted where concealed.

Locality referred to in text.

Location and orientation of trench excavation. Evidence of possible Holocene activity exposed in trench indicated in red. Location of trench less than 100 feet long indicated by X.

Subsurface fault interpreted from oil well data. These faults, which presumably affect all lithologic units, are shown at depth of contoured horizon indicated near fault trace.

Key to faulted & unfaulted deposits

□ - deposit offset H - Holocene; L - Late Pleistocene
○ - deposit not offset Q - Quaternary; B - Bedrock

Figure 2b (to FER-173). Special Studies Zones Maps of the Inglewood and Hollywood 7.5-minute quadrangles showing the Newport-Inglewood fault zone. Additional fault traces are mapped by others. Annotations are by Bryant (this report), based on air photo interpretation.

Faults at depths from 1500' to 600' below sea level (Driver, 1943)

West-dipping faults at about 4000' below sea level (Willis and Ballantyne, 1943)

East-dipping fault at about 4700' below sea level (Willis and Ballantyne, 1943)

Near-vertical fault at 5500' below sea level (Foster, 1954)

Approximate location of fault mapped by Zony & others (1974). No geomorphic evidence of recent faulting (such as scarps in alluvium), closed depressions, linear troughs, observed by this writer based on interpretation of 1927 Fairchild aerial photos.

MAP EXPLANATION

Potentially Active Faults

1906 C Faults considered to have been active during Quaternary time; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.

Special Studies Zone Boundaries

These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.

Seaward projection of zone boundary.

STATE OF CALIFORNIA SPECIAL STUDIES ZONES

Delineated in compliance with
Chapter 7.5, Division 2 of the California Public Resources Code

INGLEWOOD QUADRANGLE

OFFICIAL MAP

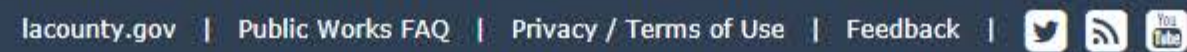
Effective: January 1, 1976

J. E. Gay Jr. Acting State Geologist

IMPORTANT - PLEASE NOTE

- This map may not show all potentially active faults, either within the special studies zones or outside their boundaries.
- Faults shown are the basis for establishing the boundaries of the special studies zones.
- The identification of these potentially active faults and the location of such fault traces are based on the best available data. Traces have been drawn as accurately as possible at this map scale, however, the quality of data used is highly varied. The faults shown have not been field checked during this map compilation.
- Fault information on this map is not sufficient to serve as a substitute for information developed by the special studies that may be required under Chapter 7.5, Division 2, Section 2623 of the California Public Resources Code.

Case n/a



Public

Help

4/5

Public Safety





Preliminary Environmental Assessment Equivalent Report

**McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California**

**Converse Project No. 18-41-233-01
February 20, 2019**

Prepared For:

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

Prepared By:

**Converse Consultants
717 South Myrtle Avenue
Monrovia, California 91016**



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

February 20, 2019

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

Attention: Mr. Eric Longenecker – Project Manager

Subject: Preliminary Environmental Assessment Equivalent Report
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California 90001
Converse Project No. 18-41-233-01

Mr. Longenecker:

CONVERSE CONSULTANTS (CONVERSE) is pleased to submit the attached report that summarizes the activities and the results of a Preliminary Environmental Assessment Equivalent that was conducted at the referenced property.

We appreciate the opportunity to be of service. Should you have any questions or comments regarding this report, please contact John Ziegler at (626) 930-1234 or Michael Van Fleet at (626) 930-1267.

CONVERSE CONSULTANTS

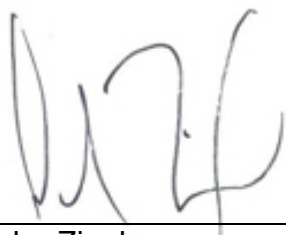
John Ziegler
Senior Professional

Michael Van Fleet, PG
Senior Geologist

Professional Certification

Property: McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California
Converse Project No. 18-41-233-01

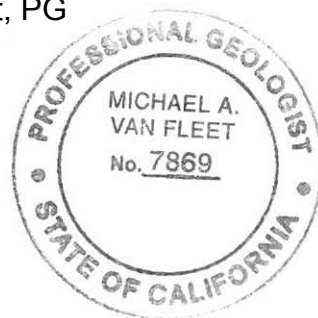
This Preliminary Environmental Assessment Equivalent (PEA-e) Report has been prepared by the staff of Converse Consultants (Converse) under the supervision of the Professional Geologist (PG) whose seal and signature appears below.



John Ziegler
Senior Professional



Michael Van Fleet, PG
Senior Geologist



Norman S. Eke
Managing Officer



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LIST OF ACRONYMS

ACM: Asbestos Containing Material	SCAQMD: South Coast Air Quality Management District
APN: Assessor's Parcel Number	STLC: Soluble Threshold Limit Concentration
ASTM: American Society for Testing and Materials	TCLP: Toxicity Characteristic Leaching Procedure
B(a)P: Benzo (a) Pyrene	TPH: Total Petroleum Hydrocarbons
bgs: below ground surface	TPHg: Total Petroleum Hydrocarbons modified for gasoline
COPCs: Chemicals of Potential Concern	TTLC: Total Threshold Limit Concentration
cPAHs: Carcinogenic Polynuclear Aromatic Hydrocarbons	UCL: Upper Confidence Limit
DTSC: Department of Toxic Substances Control	USA: Underground Service Alert
ELAP: Environmental Laboratory Accreditation Program	USGS: United States Geologic Survey
EPA: United States Environmental Protection Agency	UST: Underground Storage Tank
ESA: Environmental Site Assessment	VOCs: Volatile Organic Chemicals
HASP: Health and Safety Plan	ZIMAS: Zone Information Map Access System
HHSE: Human Health Screening Evaluation	
LBP: Lead-Based Paint	
LAUSD: Los Angeles Unified School District	
µg/kg: micrograms per kilogram	
mg/kg: milligrams per kilogram	
mg/l: milligrams per liter	
OCPs: Organochlorine Pesticides	
PAH: Polynuclear Aromatic Hydrocarbons	
PCBs: Polychlorinated Biphenyls	
PEA-e: Preliminary Endangerment Assessment-Equivalent	
PPE: Personal Protective Equipment	
PLM: Polarized Light Microscopy	
ppm: parts per million	
QA/QC: Quality Assurance and Quality Control	
REC: Recognized Environmental Condition	
RPD: Relative Percent Difference	
RSL: Regional Screening Level	



EXECUTIVE SUMMARY

The following is an Executive Summary of the Preliminary Environmental Assessment Equivalent (PEA-e) that was conducted by CONVERSE CONSULTANTS (CONVERSE). Please refer to the appropriate sections of the report for a complete discussion of these issues. In the event of a conflict between this Executive Summary and the report, or an omission in the Executive Summary, the report shall prevail.

This Preliminary Environmental Assessment Equivalent (PEA-e) Report presents the findings of the environmental investigation conducted at the McKinley Avenue Elementary School herein referred to as the Site.

The objectives of the PEA-e are to:

- Establish, through a field sampling and analysis program, the nature and extent of chemicals that may be present in soil and/or soil vapor as a result of onsite and offsite past practices and identifying Chemicals of Potential Concern (COPCs);
- Estimate the potential impacts to human health and/or the environment as a result of the COPCs detected at the Site using a residential land use scenario consistent with the Department of Toxic Substances Control's (DTSC's) PEA Guidance Manual.

A Phase I Environmental Site Assessment (ESA) dated July 2017 was prepared by Rincon Consultants, Inc. The Phase I ESA revealed evidence of the following potential Recognized Environmental Conditions (RECs) that could affect modernization of the school:

1. **Potential presence of organochlorine pesticides in onsite soils, especially around pre-1989 structures.** Based on the age of numerous existing and former school structures, as well as former residential structures located on the east side of the subject property, organochlorine pesticides, historically used as termiticides may be present in onsite soils.
2. **Potential presence of lead in soil adjacent to pre-1993 onsite structures.** Based on Rincon's review of historical sources, several buildings were constructed prior to 1993. Therefore, lead-based paint may have been used on the exterior of the buildings and may have impacted soil adjacent to the structures.
3. **Potential presence of arsenic-based herbicides beneath paved areas.** Since it was formerly a common practice for LAUSD to apply an arsenic-based



herbicide to soil immediately prior to paving with asphalt, arsenic may be present in the onsite soils located beneath the paved areas of the property.

4. **Potential presence of lead-based paint and asbestos in onsite structures.** Based on Rincon's review of historical sources, several existing buildings on the subject property were built prior to 1978. Although not considered a REC, pursuant to ASTM E 1527-13, school structures built prior to 1978 may contain lead based paint (LBP) and structures built prior to 1981 may contain asbestos containing materials (ACM). In addition, according to the DTSC, school structures built prior to 1993 may contain lead based paint (DTSC, 2006). Based on the age of several of the onsite structures, there is the potential that LBP and ACM were used during their construction.
5. **Potential Presence of Underground Storage Tank.** The Main Building (Administration and classrooms) has a boiler located in the basement. A historical drawing reviewed after the completion of the Phase I ESA indicates the location of the underground storage tank (UST) that formerly served this boiler. As the Fire Department has no record of UST removal for the Site this leaves two options: 1) the UST was removed prior to the Fire Department keeping records, or 2) the UST is still in place.

The purpose of South Coast Air Quality Management District Rule 1466. *Control of Particulate Emissions from Soils with Toxic Air Contaminants* (Rule 1466) is to reduce particulate emissions containing toxic air contaminants in the ambient air created as a result of earth-moving activities. Determining the applicability of this rule is completed through the collection and analyses of soil samples prior to the commencement of earth moving activities. The results of the testing to satisfy this rule are included in this document.

The scope of work for the PEA-e included the following:

- Field sampling and laboratory analysis in accordance with Sampling and Analysis Plan prepared by Converse.
- Field sampling and laboratory analysis to determine the applicability of Rule 1466.
- Assessment of the nature of hazardous wastes/substances that may be present in soil at the Site, their concentration and general extent.
- Investigation of the likely presence of absence of the UST that formerly served the boiler.
- Evaluation of the potential threat to public health and/or the environment posed by hazardous constituents detected at the Site using a residential land use scenario consistent with the PEA Guidance Manual.



- Preparation of this PEA-e Report.

The results of the geophysical survey around the boring location chosen to represent the UST location (UST 1) did not exhibit any signs of a UST still being present.

Converse observed standard Environmental Protection Agency (EPA) sample collection and handling protocol including chain-of-custody control.

Soil matrix samples were analyzed in general accordance with one or more of the following EPA test methods:

- Method 6020 – Arsenic
- Method 6010B – Lead
- Method 8081 – Organochlorine pesticides (OCPs)
- Method 8082 – Polychlorinated biphenyl (PCBs)
- Method 8310 – Polynuclear aromatic hydrocarbons (PAHs)
- Method 8015M – Total Petroleum Hydrocarbons (TPH) carbon chain analysis
- Method 8260 – Volatile Organic Compounds (VOCs)
- Asbestos by Polarized Light Microscopy (PLM)

The following is a summary of the findings for the soil matrix samples collected as part of this investigation.

- Arsenic was reported in all 90 soil samples analyzed at a maximum concentration of 77.6 milligrams per kilogram (mg/kg). Arsenic was reported in excess of the screening level of 12 mg/kg in 12 of the 90 samples analyzed, all from the 0.5-foot depth. A 95% upper confidence limit (95UCL) concentration of 11.66 mg/kg was calculated for the total dataset. This is less than the screening level of 12 mg/kg.
- Lead was reported in 47 of the 52 samples analyzed at a maximum concentration of 114 mg/kg. Lead was reported in one sample in excess of the screening level for lead of 80 mg/kg. The 95UCL concentration for the dataset was 32.58 mg/kg. This is less than the screening level of 80 mg/kg.
- Three (3) OCP compounds were reported, Chlordane, DDE and DDT. These compounds were reported at maximum concentrations of 5.65, 5.73, and 6.99 micrograms per kilogram (µg/kg), respectively. All of these reported OCP concentrations are less than the screening levels for a residential land use of 440, 2,000 and 1,900 µg/kg for chlordane, DDE and DDT, respectively.
- Three (3) PAHs, fluoranthene phenanthrene and pyrene, were reported in samples PG-1 and PP-3. The maximum reported concentrations of each PAH are less than the screening levels for a residential land use. Additionally, four (4) carcinogenic PAHs (cPAHs) were reported, which were evaluated based on their benzo(a)pyrene toxicity equivalent. The maximum calculated B(a)P equivalent of 0.09544 mg/kg is



less than the residential land use regional screening level (RSL) for benzo(a) pyrene of 0.11 mg/kg.

- No PCBs were reported in the samples analyzed for PCBs.
- No TPH or VOCs were reported in soil samples collected and analyzed from the location of the former UST.
- No asbestos was reported in the samples analyzed for asbestos.

Based on the results of the evaluation of the soil samples analyzed and the comparison to the screening levels, no further human health screening was conducted. In addition, the soil does not contain any toxic chemicals that would warrant restricting earth-moving activities in conformance to Rule 1466

Based on the results of the sampling, no further investigation is necessary. The Site is suitable for the contemplated comprehensive modernization project without any soil remediation.



1.0 INTRODUCTION

This Preliminary Environmental Assessment Equivalent (PEA-e) Report presents the findings of the environmental investigation conducted at McKinley Avenue Elementary School, herein referred to as the Site.

For due diligence purposes, the Los Angeles Unified School District (LAUSD) had a *Phase I Environmental Site Assessment* (ESA) prepared for the Site by Rincon Consultants, Inc. (Rincon), dated July 28, 2017. The Phase I ESA recommended further investigation. The recommendations for further investigations were outlined in a *Sampling and Analysis Plan* prepared by Converse. A summary of the sampling plan is presented in **Appendix A**.

The purpose of South Coast Air Quality Management District Rule 1466. *Control of Particulate Emissions from Soils with Toxic Air Contaminants* (Rule 1466) is to reduce particulate emissions containing toxic air contaminants in the ambient air created as a result of earth-moving activities. Paragraph (C)(15) of Rule 1466 identifies the contaminants of concerns for this rule. Determining the applicability of this rule is completed through the collection and analyses of soil samples prior to the commencement of earth-moving activities. The results of the testing to satisfy Rule 1466 are included in this document.

The Project is part of a comprehensive modernization effort being implemented by LAUSD. Based on our review of the project scope dated December 11, 2018, provided by the LAUSD, the Project includes the removal of the following on the McKinley Elementary property (Indicates Building number from Figure 3 of this document):

- The assembly/classroom building (2),
- The admin/classroom building (3),
- The kindergarten (4, 5).
- Six portable buildings (7, 9, 11, and 12
- One portable restroom building (N/A),
- Existing underground utilities (as required), and
- Asphalt paved playground and parking areas.

The Project includes the construction of the following:

New Buildings

- Classroom Buildings with 32 classrooms
- Administration / Library
- Multi-Purpose Room
- Maintenance & Operations Suite (excluding storage for M&O outdoor equipment)



Site

- Infrastructure upgrade
- New landscaping / paving
- New parking
- New Kindergarten playground, turf field, play structure
- New Elementary (Grades 1-6) playground, turf field, play structure
- New campus wide fire alarm system with voice evacuation
- IP convergence
- Barrier removal upgrades

The purpose of this PEA-e is to identify if any environmental issues will need to be mitigated either prior to or during the above construction effort.

1.1 PEA-e Objectives

The objectives of the PEA-e are to:

- Establish, through a field sampling and analysis program, the nature and extent of chemicals that may be present in soil and/or soil vapor as a result of onsite and offsite past practices and identifying Chemicals of Potential Concern (COPCs);
- Estimate the potential impacts to human health and/or the environment as a result of the COPCs detected at the Site using a residential land use scenario consistent with the Department of Toxic Substances Control's (DTSC's) PEA Guidance Manual.

1.2 Scope of Work

The scope of work for the PEA-e included the following:

- Field sampling and laboratory analysis in accordance with Sampling and Analysis Plan prepared by Converse.
- Field sampling and laboratory analysis to determine the applicability of Rule 1466.
- Assessment of the nature of hazardous wastes/substances that may be present in soil at the Site, their concentration and general extent.
- Investigation of the likely presence of absence of the UST that formerly served the boiler.



- Evaluation of the potential threat to public health and/or the environment posed by hazardous constituents detected at the Site using a residential land use scenario consistent with the PEA guidance Manual.
- Preparation of this PEA-e Report.

1.3 Organization of Report

This PEA-e Report is organized as follows:

- Section 1.0 Presents an introduction and the rationale for performing the PEA-e, and the general scope of work.
- Section 2.0 Site Description. Provides specific details about the Site and surrounding areas.
- Section 3.0 Discusses the environmental setting;
- Section 4.0 Discusses the Phase I ESA
- Section 5.0 Describes the sampling activities and results;
- Section 6.0 Presents the human health screening evaluation;
- Section 7.0 Presents the conclusions and recommendations;
- Section 8.0 Discusses the limitations of this PEA-e Report.
- Section 9.0 Presents the References.

1.4 Public Participation

A Public Notice regarding the planned field activities was distributed at least seventy-two hours prior to the implementation of the PEA-e field activities. The Public Notice was prepared in accordance with the LAUSD guidelines and hand delivered to the tenants and residents within the line-of-sight of the school, faculty in-boxes, and on the counter in the administrative office. Additionally, the notice was posted adjacent to the sidewalk in the approximate middle of each of the four (4) sides of the school. The purpose of the Public Notice was to inform the community of the environmental investigation that was going to occur at the Site. The Public Notice was provided in both English and Spanish. Copies of the Public Notices along with a photograph of one of the posted locations are provided in **Appendix B**.



2.0 SITE DESCRIPTION

2.1 Site Identification

The McKinley Avenue Elementary School is located at 7812 McKinley Avenue in the City of Los Angeles. The property is an approximately 4.22-acre parcel and is made up of one city block and is located west of Wadsworth Avenue, south of East 78th Street, and north of East 79th Street, on the east side of McKinley Avenue. The Site is currently owned by the LAUSD (Zimas, 2017). A Site location map is included as **Figure 1**.

The school property has the following assessor parcel number (APN), as designated by the Los Angeles County Office of the Assessor:

6023-030 902

2.2 Background/Prior Assessments/Investigations

Background information has been derived from the Rincon Consultants, Inc Phase I ESA report, dated July 28, 2017. See Section 4 below for a summary of the Phase I ESA findings. No other prior assessment or investigation reports were provided.

2.2.1 Description of Property Structure(s) and Other Features

The Site is currently operated by LAUSD as McKinley Avenue Elementary School.

The school consists of a 2-story main building including an auditorium and partial basement, a second two story building (Hubert Hall), cafeteria, and multiple portable structures. Access to the property is available on McKinley Avenue and a driveway on East 78th Street. A current Site plan is included as **Figure 2**.

The adjacent properties are primarily used for residential purposes, with some commercial properties.

2.2.2 Historical Land Uses

The subject property appeared to be undeveloped up until at least 1928. According to the 1928 aerial photograph, the western portion of the subject property appears to be occupied by school structures (along McKinley Avenue) with a central playground area behind the school buildings. The eastern portion of the subject property appears to be occupied by residential dwellings. According to the 1950 Sanborn Map, the western portion of the subject property is occupied by the main school building along McKinley Avenue, a kindergarten, an auditorium structure (indicated as built in 1929 and rebuilt in 1936), a lunch shed, and classrooms while the eastern portion of the subject property

consists of multiple parcels occupied by dwellings, some with detached auto garages. By 1963, the eastern portion of the subject property is no longer occupied by residential dwellings. According to the 1969 Sanborn Map, the 79th Street School (modern day McKinley Elementary) consists of the main school building along McKinley Avenue, the original kindergarten building, an additional kindergarten building (indicated as built in 1962), an auditorium structure (indicated as built in 1929 and rebuilt in 1936), a cafeteria building, several classroom buildings (indicated as built in 1959 and 1963), and a large playground. With the exception of a few added and removed small structures or sheds, the subject property generally remains unchanged from 1969 through 1994. By 2002, five additional classroom structures have been constructed on the eastern half of the subject property along East 78th Street. By 2012, the two easternmost structures have been removed from the subject property. In general, the subject property configuration does not change through from 2012 through present-day.



3.0 ENVIRONMENTAL SETTING

The following sections provide information regarding the potential exposure pathways.

3.1 Topography

The current United States Geological Survey topographic map (Inglewood Quadrangle, 2012) indicates that the subject property is situated at an elevation of approximately 140 feet above mean sea level. The subject property and adjacent properties are generally flat. The site is approximately 1.2-miles east of the 110 freeway and approximately ½ mile south of Florence Avenue.

3.2 Geology

According to the Geologic Map of the Venice and Inglewood Quadrangles, California (2007), the subject property is underlain by Quaternary-age alluvium described as “alluvial gravel, sand, and clay, derived mostly from Santa Monica Mountains; includes gravel and sand of minor stream channels.”

The soil types encountered beneath the Site were generally sand, brown, very fine to fine grained with minor silts, well sorted and slightly moist in the upper three feet. A copy of the boring logs are presented in **Appendix C**.

3.3 Hydrogeology

According to the California Groundwater Bulletin 118, the subject property is located within the Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin (4-11.01). According to Bulletin 118, *“This subbasin is commonly referred to as the “Central Basin” and is bounded on the north by a surface divide called the La Brea high, and on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, which is a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift. The Los Angeles and San Gabriel Rivers drain inland basins and pass across the surface of the Central Basin on their way to the Pacific Ocean.”*

During the preparation of the Phase I ESA by Rincon, Rincon reviewed the California State Water Resources Control Board’s online GeoTracker database to determine groundwater flow direction in the vicinity of the subject property. According to a Case Closure Summary (June 2013) for the World Oil Marketing Co. Station No. 2 site at 1101 East Florence Avenue, located approximately 2,500-feet north-northeast of the



subject property, the depth to groundwater recorded was between 95 and 99 feet below ground surface (bgs). Flow direction was measured to vary towards the south, southeast and southwest.

Groundwater levels beneath the Site are subject to seasonal and long-term variations and fluctuations resulting from channel flows, groundwater spreading, recharge and pumping activities within the Central Groundwater Basin.

3.4 Surface Water Pathway

There are no surface waters bodies on the Site. The nearest surface water body is the Los Angeles River, located approximately 5.1-miles east of the Site. Therefore, it is unreasonable to suspect a release or threatened release of hazardous substances to surface waters has occurred from the Site.



4.0 PHASE I ESA

A Phase I ESA report dated July 28, 2017 was prepared by Rincon Consultants, Inc. The phase I ESA revealed evidence of the following potential Recognized Environmental Conditions (RECs) that could affect modernization of the school:

1. **Potential presence of organochlorine pesticides in onsite soils, especially around pre-1989 structures.** Based on the age of numerous existing and former school structures, as well as former residential structures located on the east side of the subject property, organochlorine pesticides, historically used as termiticides may be present in onsite soils.
2. **Potential presence of lead in soil adjacent to pre-1993 onsite structures.** Based on Rincon's review of historical sources, several buildings were constructed prior to 1993. Therefore, lead-based paint may have been used on the exterior of the buildings and may have impacted soil adjacent to the structures.
3. **Potential presence of arsenic-based herbicides beneath paved areas.** Since it was formerly a common practice for LAUSD to apply an arsenic-based herbicide to soil immediately prior to paving with asphalt, arsenic may be present in the onsite soils located beneath the paved areas of the property.
4. **Potential presence of lead-based paint and asbestos in onsite structures.** Based on Rincon's review of historical sources, several existing buildings on the subject property were built prior to 1978. Although not considered a REC, pursuant to ASTM E 1527-13, school structures built prior to 1978 may contain lead based paint (LBP) and structures built prior to 1981 may contain asbestos containing materials (ACM). In addition, according to the DTSC, school structures built prior to 1993 may contain LBP (DTSC, 2006). Based on the age of several of the onsite structures, there is the potential that LBP and ACM were used during their construction.
5. **Potential Presence of Underground Storage Tank.** The Main Building (Administration and classrooms) has a boiler located in the basement. A historical drawing reviewed after the completion of the Phase I ESA indicates the location of the underground storage tank (UST) that formerly served this boiler. As the Fire Department has no record of UST removal for the Site this leaves two options: 1) the UST was removed prior to the Fire Department keeping records, or 2) the UST is still in place.



5.0 SAMPLING ACTIVITIES AND RESULTS

5.1 Summary of Activities

5.1.1 Utility Clearance

Prior to commencement of field activities, Underground Service Alert (USA) was notified of our investigation on the Site. Proposed locations of subsurface tasks were marked with paint for clearance by USA. In addition, boring locations were also cleared prior to drilling by conducting a geophysical survey of the boring locations. Special attention was paid above the area where a UST was previously identified and no indications that the tank was present were observed. The boring clearance was conducted by Spectrum Geophysics on December 23 and 26, 2018.

5.1.2 Measures Taken to Prevent Direct Contact with Hazardous Substances in or on the Soil at the Site

Field activities were conducted in accordance with the guidelines outlined in the *Health and Safety Plan* (HASP), prepared by Converse and dated December 2018.

5.1.3 Soil Matrix Samples

On December 26, 27 and 28, 2018, soil samples were collected from 77 locations within the area of the proposed improvements. See **Figures 3 through 7** for the boring locations. One (1) boring, UST 1, was advanced to 15-feet bgs to evaluate the soil in the area of a former UST. Soil samples were collected from this boring at 5-foot intervals for analysis, lithologic evaluation and field screening. The remaining borings were advanced to 3 feet bgs with soil samples collected at depths of 0 to 0.5, 1 to 1.5 and 2.5 to 3.0 feet bgs. Fifteen (15) of the borings were advanced using a hand auger due to the proximity of subsurface utilities or locations that could not be accessed with the limited access rig, and the remainder were advanced using a direct-push (Geoprobe) drill rig operated by Interphase Environmental. Soil samples were collected either in 4-ounce glass jars or in acetate sleeves. Samples collected for analysis of volatile constituents were collected in accordance EPA Method 5035 using encore samplers.

Surface cover (asphalt or concrete) was cored and removed to expose the soil prior to drilling. Upon retrieval from the boring, the acetate sleeves containing the retrieved soil core were cut at the appropriate sample intervals and the sleeves were sealed with Teflon and capped with polyethylene caps, labeled, and placed on ice for transport to a California-certified laboratory. Converse observed standard EPA sample collection and handling protocol including chain-of-custody control.



All borings were filled with inert material to match the surrounding surface (i.e. clean sand for soil or a minimum of three [3] inches of compacted cold-patch asphalt if AC, or four [4] inches of concrete if concrete). Soil was generally sent to the laboratory for off-site actual or potential analyses and no drums of soil were created as part of this investigation.

5.1.4 Groundwater Sampling

Groundwater was not identified as a medium of concern based on the depth to groundwater and the lack of a direct exposure pathway, and was therefore not sampled during this investigation.

5.1.5 Background Sampling

Based on the analyses proposed, background sampling was not deemed necessary.

5.1.6 Soil Sample Analysis

All soil samples (except the samples to be analyzed for asbestos) were delivered under chain-of-custody documentation to American Environmental Testing Laboratories in Burbank, an analytical laboratory that participates in the California State Environmental Laboratory Accreditation Program, (ELAP), for potential analysis. EMSL Analytical, Inc. (dba LA Testing) in South Pasadena, also a participant in ELAP, analyzed select soil samples for asbestos. The proposed rationale for analysis of soil matrix samples is presented in **Appendix A**.

Soil matrix samples were analyzed in general accordance with one or more of the following EPA test methods:

- Method 6020 – Arsenic
- Method 6010B – Lead
- Method 8081 – Organochlorine pesticides (OCPs)
- Method 8082 – Polychlorinated biphenyl (PCBs)
- Method 8310 – Polynuclear aromatic hydrocarbons (PAHs)
- Method 8015M – Total Petroleum Hydrocarbons (TPH) carbon chain analysis
- Method 8260 – Volatile Organic Compounds (VOCs)
- Asbestos by Polarized Light Microscopy (PLM)

Soil samples not initially analyzed were archived by the laboratory.

5.1.6.1 *Arsenic and Lead*

Eighty-four soil samples (77 primary and 7 duplicates) collected from the 0.5 to 1.0-feet depth were initially analyzed for arsenic in accordance with EPA Method 6020. Upon receipt of the results an additional six (6) samples from the 2-foot and 3-foot depths were analyzed for arsenic.

Fifty-two soil samples (45 primary and 7 duplicates) collected from the 0.5 to 1-foot depth were analyzed for lead in accordance with EPA Method 6010. No further analysis for lead was required.

5.1.6.2 *OCPs*

Soil samples collected from 0.5 to 1.0-foot depth at 45 locations were analyzed for OCPs. Soil samples were composited into 13 composite samples by the laboratory and analyzed for OCPs in accordance with EPA Method 8081.

5.1.6.3 *PCBs*

Eight (8) soil samples collected from the 0.5 to 1.0-foot depth were analyzed for PCBs in accordance with EPA Method 8081.

5.1.6.4 *PAHs*

Six (6) soil samples collected from the 0.5 to 1.0-foot depth were analyzed for PAHs in accordance with EPA Method 8310.

5.1.6.5 *TPH and VOCs*

Soil samples collected from the 5, 10 and 15-foot depths at the location of the former UST were analyzed for TPH carbon chain analysis in accordance with EPA Method 8015m. The sample from the 10-foot depth was analyzed for VOCs in accordance with EPA Method 8260.

5.1.6.6 *Asbestos*

Fifteen (15) soil samples collected from the 0.5 to 1.0-foot depth were analyzed for asbestos using PLM.

5.2 Field Variances

Minor variances to the sampling and analysis plan consisted of the relocation of several boring locations due to the detection of subsurface features during the geophysical survey.

Three (3) locations, S10, PG22 and PG23, were not advanced due to the presence of utilities and limited access behind buildings 11 and 12.

Twelve (12) locations at Building S1 and S8 (see Figure 3 for locations) were deleted from the scope due to revisions in the modernization plan.

5.3 Summary and Discussion of Analytical Results

The following sections describe the results of the analytical testing performed at the fixed laboratory. Copies of the laboratory analytical reports are included in **Appendix D**.

5.3.1 Soil Matrix Sample Results

The rationale for soil matrix sample analysis is presented in **Appendix A**. The locations of the soil borings and its associated analytical results are presented on **Figures 3 through 6**. A summary of the analytical results of the soil matrix samples are presented in **Tables 1 through 6**.

5.3.1.1 Lead

Lead was reported in 47 of the 52 soil samples analyzed for lead. Lead was reported in one sample (DUP1 a duplicate of S12-2-0.5) in excess of the screening level for lead of 80 mg/kg. All other concentrations were reported at concentrations less than the screening level. Concentrations ranged from non-detect to 114 mg/kg.

Using the comprehensive statistical software package ProUCL (initially developed by EPA for computing statistical intervals to respond to concerns at specific Superfund sites) the 95 percent upper confidence limit (95UCL) for the lead samples was calculated to be 32.58 mg/kg. This is less than the screening level for lead of 80 mg/kg. Please see **Table 1** and **Figures 4 through 7** for a summary of analytical results for lead. A copy of the UCL calculations are provided in **Appendix E**.

5.3.1.2 Arsenic

Arsenic was reported in all 90 soil samples analyzed for arsenic (77 primary, 7 duplicates and 6 deeper samples). Arsenic was reported at a maximum concentration

of 77.6 mg/kg at location PG-1 at 0.5-feet. Arsenic was reported in excess of the screening level of 12 mg/kg in eight (8) of the 90-samples analyzed. Exceedances ranged from 13.3 mg/kg to 77.6 mg/kg.

At the locations where the maximum arsenic concentrations were reported (PG-1, PG-3, and PG-13, 77.6 to 52.8 mg/kg) the samples collected from the 2.0 and 3.0-foot depths were subsequently analyzed for arsenic. Concentrations reported from these locations were less than the screening level of 12 mg/kg (0.695 mg/kg to 8.34 mg/kg). Using the ProUCL software a 95% upper confidence limit (95UCL) was calculated, the 95UCL for the arsenic samples was calculated to be 11.6 mg/kg, and this is less than the southern California background level of 12 mg/kg. A copy of the UCL calculations are provided in **Appendix E**.

The highest arsenic total threshold limit concentration (TTLC) encountered during this investigation was greater than 10 times the allowable soluble threshold limit concentration (STLC) of 5.0 milligrams per liter (mg/L or parts per million [ppm]): 77.6 ppm versus 50 ppm. A STLC concentrations for arsenic above 5 mg/L defines a waste as hazardous in California. When this sample was analyzed a STLC of 1.36 mg/L was reported for sample PG-1-0.5.

The Resource Conservation and Recovery Act states that waste with an arsenic concentration above 5.0 mg/L after the Toxicity Characteristic Leaching Procedure (TCLP) is considered hazardous by the EPA. As the highest TTLC for arsenic was less than 20 times the allowable concentration after the TCLP (77.6 ppm versus 100 ppm) a TCLP analyses was not requested or required.

Please see **Table 1** and **Figures 4 through 7** for a summary of the analytical results for arsenic.

5.3.1.3 OCPs

Three (3) OCPs, chlordane, DDE and DDT were reported in composite samples analyzed for OCPs (Comp 2.2-0.5, Comp 3.2-0.5 and Comp 7.2 -0.5) at a depth of 0.5 feet. Chlordane was reported in all three samples at concentrations ranging from an estimated concentration of 1.11 micrograms per kilogram ($\mu\text{g/kg}$) to an estimated concentration of 5.65 $\mu\text{g/kg}$. This is less than the screening level 440 $\mu\text{g/kg}$. DDE and DDT were reported in one sample (Comp7.2-0.5) at estimated concentrations of 5.73 $\mu\text{g/kg}$ and 6.99 $\mu\text{g/kg}$ respectively. This is less than the screening level of 2,000 $\mu\text{g/kg}$. and 1,900 $\mu\text{g/kg}$ respectively. No OCPs were reported in any of the other samples analyzed. Please see **Table 2** and **Figure 3** for a summary of the analytical results for OCPs.

5.3.1.4 PCBs

PCBs were reported as non-detect in each of the samples analyzed. A summary of the results for PCBs is presented in **Table 3**.

5.3.1.5 PAHs

PAHs were reported in samples PG-1 and PP-3. Three (3) PAHs, fluoranthene phenanthrene and pyrene, were reported at concentrations less than their respective residential screening levels. The screening level for pyrene was used as surrogate for phenanthrene which does not have a published screening level.

Four (4) carcinogenic PAHs (cPAHs) were reported. Their maximum concentrations and residential screening levels are:

	Detections	Maximum Concentration	Screening Level
Benzo(a)pyrene	2	0.0835	0.11
Benzo(b)fluoranthene	1	0.0562	1.1
Benzo(k)fluoranthene	1	0.0357	11
chrysene	1	0.0344	110
B(a)P Equivalent		0.0954	0.11

Screening levels from November 2018 EPA regional screening levels (RSLs)

A benzo(a)pyrene toxicity equivalent (B(a)P Equivalent) was calculated for the cPAHs using a toxicity equivalent factor (TEF) approach. TEFs are based on shared characteristics that can be used to rank the class of chemicals by carcinogenic potency. The ranking is accomplished by referencing the chemical to the characteristics and potency of benzo (a) pyrene, which is often used as the reference chemical for expressing the carcinogenic potency of the other cPAHs.

The TEF for the 6 cPAHs are listed below:

cPAH	TEFs
Benzo(a)anthracene	0.1
Benzo(a)pyrene	1.0
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.1
Chrysene	0.01
Indeno(1,2,3-cd)pyrene	0.1

The total B(a)P equivalent for an individual soil sample is calculated by multiplying the reported concentration by its TEF. The adjusted concentrations are then added together for the total B(a)P concentration. For samples in which the reported concentration is non detect, $\frac{1}{2}$ the method detection limit is used to calculate the B(a)P equivalent.

The B(a)P equivalent is then compared to the screening level for benzo(a) pyrene. The maximum calculated B(a)P equivalent of 0.09544 mg/kg is less than the RSL for residential land use of 0.11 mg/kg.

A summary of the PAH analyses is presented in **Table 4**.

5.3.1.6 UST Sampling

Soil samples collected from the area of the former UST were analyzed for TPH and VOCs. Concentrations of TPH and VOCs were reported as non-detect in the samples analyzed. A summary of the results for UST Sampling is presented in **Table 5**.

5.3.1.7 Asbestos

All soil samples analyzed for asbestos reported non-detect. A summary of the asbestos sampling is presented in **Table 6**.

5.4 Quality Assurance and Quality Control

During this PEA-e investigation, a variety of data was collected. Each sample collected was analyzed for a number of different constituents, depending on the rationale for sample collection. However, not all chemicals detected can be attributable to an on-site release and not all of the data is of equal quality. Data collected has been evaluated to determine which of the chemicals identified are likely to be Site-related and to assess whether the reported concentrations for these chemicals are of acceptable quality for use in the screening evaluation. Following is a discussion of the evaluations conducted.

5.4.1 Evaluation of Analytical Methods

Analyses selected for each sample have been deemed appropriate based on the rationale and ability of the method to provide data for use in the screening evaluation.

Soil samples were collected under the supervision of a California-registered Professional Geologist. Sample locations were verified prior to collection. All sampling and drilling equipment was decontaminated between uses to avoid cross contamination between probes/borings and samples. Once soil samples were collected, they were labeled, logged, and placed on ice for transport to the analytical laboratory.

Laboratory quality control procedures included the preparation of matrix spikes and matrix spike duplicates, laboratory control spikes and laboratory control spike duplicates. Recovery for all matrix and laboratory spikes was within acceptable parameters. A statement, certifying that all analytical work was in accordance with the published QA/QC procedures and signed by the laboratory QA/QC manager, is included as part of the analytical results.

5.4.2 Evaluation of Detection Limits

Detection limits associated with the analytical data were reviewed before eliminating chemicals because they were not detected. Laboratory method detection limits are included on the summary tables. All detection limits were less than the screening levels for the constituents of concern.

5.4.3 Evaluation of Qualified Data

For analytical results, various qualifiers pertaining to the quality of the data are attached to certain data by either the laboratories conducting the analysis or by persons conducting the data evaluation. No qualifications of concern were noted.

5.4.4 Data Quality Objectives

This project has incorporated, certain specified protocols to document the quality of the data collected during this investigation. Soil samples were collected in compliance with U.S. EPA SW-846. The laboratory detection limits are indicated in the summary Tables for the analytical methods utilized. The objectives of precision, accuracy, completeness, representativeness and comparability typically define the data quality. The use of these Data Quality Objectives for school study sites, including the Site, is to produce data that are suitable for use for a PEA-e risk screening evaluation.

Precision is the degree of agreement between independent measurements. Precision can be evaluated through the use of duplicate samples. During this investigation approximately ten percent (10%) duplicate samples were analyzed. Precision between duplicate or co-located soil samples can vary due to the inherent heterogeneity of soil. The duplicate samples collected were in general conformance with the primary samples collected. Samples in which the duplicate samples indicated a greater concentration than the primary sample; the greater concentration was used in evaluating the Site.

Evaluation of the duplicate sample data reveals that the duplicate samples collected were in general conformance with the primary samples collected. The calculated Relative Percent Difference (RPD) for the duplicate samples was less than 100 with exception of two samples for arsenic.



Samples in which the RPD exceeds 100 are considered estimated. While the results are considered estimated, the results are valid as usable data. An evaluation of the RPDs for the duplicate samples analyzed for arsenic and lead is presented on **Table 2**.

Accuracy is the degree of agreement of a measured value with true or expected value. Accuracy can be measured using percent recovery data in the laboratory using spiked concentrations. In cases where the percent recovery exceeded the acceptable range, other QA/QC procedures such as laboratory control spike and surrogates were used to validate the data. Samples in which the RPD exceeds 100 are considered estimated. While the results are considered estimated, the results are valid as usable data. All soil sample results were within acceptable parameters for accuracy.

Completeness is the percent of measurements made which are judged to be valid. Completeness can be measured by dividing the number of samples that are judged to be valid by the number of total samples. Based upon the data reviewed all samples were judged to be useable for the intended purpose.

Representativeness is the degree to which the sample data represent the characteristics of a population. Representativeness is a qualitative parameter that addresses the design of the sampling program. An example of representativeness is to evaluate if the number and locations of samples are sufficient for the purposes of this assessment. The degree to which representativeness is achieved will be evaluated upon review of the data and will be used to determine whether additional investigation is required. Based upon the objectives of this investigation the Site appears to be adequately assessed.

Comparability is a qualitative parameter that evaluates the confidence with which one data set can be compared to another. Comparability can be enhanced by using standard analytical methods performed by certified laboratories. Standard EPA analytical methods performed by analytical laboratories that participate in the California State ELAP were utilized in this investigation. Evaluation of the data collected during this investigation indicates that the level of confidence of the compared data sets is acceptable.

6.0 HUMAN HEALTH SCREENING EVALUATION

6.1 Chemicals of Concern

6.1.1 Lead

Lead was reported in 47 of the 52 samples analyzed at a maximum concentration of 114 mg/kg. Lead was reported in one sample in excess of the screening level for lead of 80 mg/kg. The calculated 95UCL concentration of lead of 32.58 mg/kg is less than the screening level of 80 mg/kg.

6.1.2 Arsenic

Arsenic was reported in all 90 soil samples analyzed at a maximum concentration of 77.6 mg/kg. Arsenic was reported in excess of the screening level of 12 mg/kg in 12 of the 90 samples analyzed, all from the 0.5-foot depth. The calculated 95UCL concentration of 11.36 mg/kg is less than the southern California background level of 12 mg/kg.

6.1.3 OCPS

Three (3) OCP compounds were reported, Chlordane, DDE and DDT. All were reported at maximum concentrations between 5.65 and 6.99 µg/kg, which are less than the screening levels for a residential land use of 440, 2,000 and 1,900 µg/kg for chlordane, DDE and DDT, respectively.

6.1.4 PCBs

No PCBs were reported in the samples analyzed for PCBs.

6.1.5 PAHs

Three (3) PAHs and 4 CPAHS were reported. All were reported at concentrations less than their respective screening levels as well as the southern California background.

6.1.6 TPH and VOCs

No TPH and VOCs were reported in the samples analyzed for TPH and VOCs.

6.2 Human Health Screening Evaluation

Based on the results of the evaluation of the soil samples analyzed and the comparison to the screening levels, no further human health screening was conducted.



7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

Based on the findings of this PEA-e investigation, the objectives have been met. The following sections summarize the findings and provide conclusions that can be made relative to the Site.

7.1.1 Soil Matrix Results

The following is a summary of the findings for the soil matrix samples collected as part of this investigation.

- Arsenic was reported in all 90 soil samples analyzed at a maximum concentration of 77.6 mg/kg. Arsenic was reported in excess of the southern California background level of 12 mg/kg in 12 of the 90 samples analyzed, all from the 0.5-foot depth. A 95UCL concentration of 11.66 mg/kg was calculated. This is less than the screening level of 12 mg/kg.
- Lead was reported in 47 of the 52 samples analyzed at a maximum concentration of 114 mg/kg. Lead was reported in one sample in excess of the screening level for lead of 80 mg/kg. The calculated 95UCL concentration of lead of 32.58 mg/kg is less than the screening level of 80 mg/kg.
- Three (3) OCP compounds were reported, Chlordane, DDE and DDT. All were reported at maximum concentrations between 5.65 and 6.99 µg/kg. All of the reported OCP concentrations are less than the screening levels for a residential land use of 440, 2,000 and 1,900 µg/kg for chlordane, DDE and DDT, respectively.
- Three (3) PAHs, fluoranthene, phenanthrene and pyrene, were reported in samples PG-1 and PP-3. The maximum reported concentrations of each PAH are less than the screening levels for a residential land use. Additionally, four (4) carcinogenic PAHs (cPAHs) were reported, which were evaluated based on their benzo(a)pyrene toxicity equivalent. The maximum calculated B(a)P equivalent of 0.09544 mg/kg is less than the residential land use RSL for benzo(a) pyrene of 0.11 mg/kg.
- No PCBs were reported in the analyzed for PCBs.
- No TPH or VOCs were reported in soil samples collected and analyzed from the location of the former UST. In addition, the geophysical survey of this location provided no evidence that the UST is still present.

7.1.3 Human Health Screening Evaluation

Based on the results of the evaluation of the soil samples analyzed and the comparison to the screening levels, no further human health screening was conducted.



7.2 Recommendations

Based on the results of the sampling, no further investigation is necessary. The site is suitable for the contemplated comprehensive modernization project without any soil remediation and Rule 1466 does not apply.



8.0 LIMITATIONS

This report has been prepared for the sole benefit and exclusive use of Los Angeles Unified School District as it pertains to the McKinley Avenue Elementary School as indicated on **Figure 2**. Our services have been performed in accordance with applicable state and local ordinances and generally accepted practices in the geosciences. No other warranty, either expressed or implied, is made.

Reliance on this report by third parties is at the third parties sole risk. Site exploration identifies actual subsurface conditions only at those points where samples are taken, when they are taken. Data derived through sampling and analytical testing are extrapolated by geoscientists who then render an opinion about overall general subsurface conditions. Actual conditions in areas not sampled may differ from predictions. Converse is not responsible or liable for any claims or damages associated with the accuracy or completeness of information provided by others. This report should not be regarded as a guarantee that no further contamination, beyond that which was detected in our investigation, is present beneath the Site. In the event that changes in the nature of the Site occur, or additional, relevant information about the Site is brought to our attention, the conclusions and recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed and the conclusions of this report are modified or verified in writing.



9.0 REFERENCES

- California Environmental Protection Agency, Department of Toxic Substance and Control (DTSC), 2015. PEA Guidance Manual, January 1994, Revised October 2015.
- Converse Consultants, PEA - Equivalent Workplan, McKinley Avenue Elementary School, Comprehensive Modernization Project, October 12, 2018.
- DTSC Office of Human and Ecological Risk (HERO), 2018. Human Health Risk Assessment (HHRA) Note Number: 3, DTSC-modified Screening Levels (DTSC-SLs), dated June 2018.
- LAUSD, Exhibit A1.2 Site Organization Plan and Exhibit A1.3, Site Demolition Plan, December 12, 2018.
- Rincon Consultants Inc, Phase I Environmental Site Assessment, 7812 McKinley Avenue Los Angeles, California, July 28, 2017
- Rincon Consultants Inc, Preliminary Environmental Assessment – Equivalent Workplan for the McKinley Avenue Elementary School Comprehensive Modernization Project, August 28, 2017
- United States Environmental Protection Agency (USEPA), 2018. Regional Screening Level (RSL) Summary Table, for Target Cancer Risk of 1×10^{-6} and target hazard quotient of 1.0, dated November 2018, downloaded from <https://semspub.epa.gov/work/HQ/197418.pdf>, in January 2019.



Tables

Tables



Table 1
Summary of Analytical Results - Lead and Arsenic
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California

Sample ID	Sample Date	Depth (feet bgs)	Laboratory Job Number	Lead	Arsenic	RPD	
						Lead	Arsenic
PP-1-1.0	12/26/2018	0.5	95574		3.95		
PP-2-0.5	12/26/2018	0.5	95574		4.12		
PP-3-0.5	12/26/2018	0.5	95574		6.40		
PP-4-0.5	12/26/2018	0.5	95574		5.36		
PP-5-0.5	12/26/2018	0.5	95574		4.64		
PP-6-0.5	12/26/2018	0.5	95574		4.18		
PG-1-0.5	12/26/2018	0.5	95574		77.6		
PG-1-2.0	12/26/2018	2.0	95574		1.07		
PG-1-3.0	12/26/2018	3.0	95574		0.736		
PG-2-0.5	12/26/2018	0.5	95575		10.6		
PG-3-0.5	12/26/2018	0.5	95574		61.9		
PG-3-2.0	12/26/2018	2.0	95574		4.80		
PG-3-3.0	12/26/2018	3.0	95574		2.38		
PG-4-0.5	12/26/2018	0.5	95574		1.31		
PG-5-0.5	12/26/2018	0.5	95575		3.34		
PG-6-0.5	12/26/2018	0.5	95575		2.87		
PG-7-0.5	12/26/2018	0.5	95575		15.6		
PG-8-0.5	12/26/2018	0.5	95575		1.01		
PG-9-0.5	12/26/2018	0.5	95574		13.3		
PG-10-0.5	12/26/2018	0.5	95574		0.809		
PG-11-0.5	12/26/2018	0.5	95575		0.916		
PG-12-0.5	12/26/2018	0.5	95575		2.58		
PG-13-0.5	12/26/2018	0.5	95575		52.8		
PG-13-2.0	12/26/2018	2.0	95575		8.34		
PG-13-3.0	12/26/2018	3.0	95575		0.695		
PG-14-0.5	12/26/2018	0.5	95575		0.65		
PG-15-0.5	12/26/2018	0.5	95574		2.17		
PG-16-0.5	12/26/2018	0.5	95574		2.23		
PG-17-0.5	12/26/2018	0.5	95575		5.23		
PG-18-0.5	12/26/2018	0.5	95575		0.995		
PG-19-0.5	12/26/2018	0.5	95575		1.37		
PG-20-0.5	12/26/2018	0.5	95574		3.91		
PG-21-0.5	12/26/2018	0.5	95574		0.923		
PG-24-0.5	12/26/2018	0.5	95575		0.768		
S2-E1-0.5	12/27/2018	0.5	95591	38.9	24		
S2-N1-0.5	12/28/2018	0.5	95591	6.95	1.83		
DUP5	12/28/2018	0.5	95598	28.6	1.78	121.80	-2.77
S2-N2-0.5	12/27/2018	0.5	95591	59.1	9.44		
S2-N3-0.5	12/27/2018	0.5	95591	6.88	2.13		
S2-W1-0.5	12/28/2018	0.5	95591	41.4	6.17		
S2-W2-0.5	12/28/2018	0.5	95591	23.9	4.06		

Table 1
Summary of Analytical Results - Lead and Arsenic
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California

Sample ID	Sample Date	Depth (feet bgs)	Laboratory Job Number	Lead	Arsenic	RPD	
						Lead	Arsenic
S3-E1-0.5	12/28/2018	0.5	95591	8.12	2.41		
S3-E2-0.5	12/28/2018	0.5	95591	44.1	1.52		
S3-S1-0.5	12/28/2018	0.5	95591	58.5	3.38		
S3-W1-0.5	12/28/2018	0.5	95591	49.9	11.7		
DUP7	12/28/2018	0.5	95598	8.00	20.1	-144.73	52.83
S3-W2-0.5	12/28/2018	0.5	95591	50.1	13.3		
S3-W3-0.5	12/28/2018	0.5	95591	46.9	28.6		
S4-N1-0.5	12/27/2018	0.5	95591	8.64	0.821		
DUP3	12/27/2018	0.5	95598	4.12	1.27	-70.85	42.95
S4-N2-0.5	12/27/2018	0.5	95591	2.95	1.13		
S4-S1-0.5	12/28/2018	0.5	95591	20.4	2.60		
S4-S2-0.5	12/27/2018	0.5	95591	4.73	10.4		
S4-W1-0.5	12/28/2018	0.5	95591	22.1	3.62		
S4-E1-0.5	12/27/2018	0.5	95590	ND<2.5	1.00		
DUP2	12/27/2018	0.5	95598	2.97	0.955	17.18	-4.60
S4-S3-0.5	12/27/2018	0.5	95590	ND<2.5	0.936		
S5-E1-0.5	12/27/2018	0.5	95590	9.50	0.978		
S5-N2-0.5	12/28/2018	0.5	95590	5.00	0.76		
S5-S1-0.5	12/28/2018	0.5	95590	5.77	1.04		
S5-S2-0.5	12/27/2018	0.5	95590	8.32	1.30		
DUP6	12/27/2018	0.5	95598	4.61	0.966	-57.39	-29.48
S5-W1-0.5	12/28/2018	0.5	95590	ND<2.5	0.983		
S5-W2-0.5	12/27/2018	0.5	95590	7.92	1.50		
S6-E1-0.5	12/27/2018	0.5	95590	ND<2.5	1.09		
S6-W1-0.5	12/27/2018	0.5	95590	2.88	0.824		
S7-E1-0.5	12/27/2018	0.5	95593	22.0	5.43		
S7-N1-0.5	12/28/2018	0.5	95593	27.5	3.55		
S7-N2-0.5	12/28/2018	0.5	95593	39.2	2.19		
S7-N3-0.5	12/28/2018	0.5	95593	4.91	0.606		
S7-N4-0.5	12/28/2018	0.5	95593	5.37	0.732		
S7-N5-0.5	12/28/2018	0.5	95593	6.24	0.825		
DUP4	12/28/2018	0.5	95598	6.43	1.23	3.00	39.42
S7-S1-0.5	12/27/2018	0.5	95593	17.5	5.69		
S7-S2-0.5	12/27/2018	0.5	95593	28.1	4.93		
S7-S3-0.5	12/27/2018	0.5	95593	10.1	3.21		
S7-S4-0.5	12/27/2018	0.5	95593	21.2	3.40		
S7-S5-0.5	12/27/2018	0.5	95593	26.3	3.50		
S7-W1-0.5	12/27/2018	0.5	95593	19.8	4.04		

Table 1
Summary of Analytical Results - Lead and Arsenic
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California

Sample ID	Sample Date	Depth (feet bgs)	Laboratory Job Number	Lead	Arsenic	RPD	
						Lead	Arsenic
S9-E1-0.5	12/28/2018	0.5	95592	ND<2.5	0.61		
S9-E2-0.5	12/28/2018	0.5	95592	12.8	3.26		
S9-N1-0.5	12/27/2018	0.5	95592	25.8	4.38		
S9-N2-0.5	12/27/2018	0.5	95592	20.9	3.49		
S9-S1-0.5	12/28/2018	0.5	95592	20.8	4.42		
S9-W1-0.5	12/27/2018	0.5	95592	16.4	3.09		
S11-1-0.5	12/27/2018	0.5	95594		2.65		
S11-2-0.5	12/27/2018	0.5	95594		4.34		
S12-1-0.5	12/27/2018	0.5	95594		2.69		
S12-2-0.5	12/27/2018	0.5	95594		3.28		
DUP1	12/27/2018	0.5	95598	114	7.91	NA	82.75

Samples Analyzed		52	90
Count >ND		47	90
Method Detection Limit		2.5	0.05
Maximum Concentration		114	77.6
95 UCL		32.58	11.66
Screening Level		80	12
Exceedances		1	9

all concentrations in milligrams per kilogram (mg/kg)

An STLC of 1.36 mg/l was reported for location PG-1-0.5

Locations PG-22 and PG-23 not sampled due to utilities and access issues

bgs Below ground surface
 ND Not detected above the MDL
 MDL Method Detection Limit
 PQL Practical Quantitation Limit
 -- Not analyzed
 STLC Soluble threshold limit concentration
 mg/l milligrams per liter

Table 2
Summary of Analytical Results - OCPs
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California

Sample Location	Date	Sample Locations	Depth (feet bgs)	Organochlorine Pesticides - µg/kg			
				Chlordane	DDE	DDT	All other OCPS
COMP 2.1-0.5	12/27/2018	S2-N1, S2-W1, S2-W2	0.5-1.0	ND	ND	ND	ND
COMP 2.2-0.5	12/27/2018	S2-N2, S2-N3, S2-E1	0.5-1.0	1.11 J	ND	ND	ND
COMP 3.1-0.5	12/27/2018	S3-W1, S3-W2, S3-W3, S3-S1	0.5-1.0	ND	ND	ND	ND
COMP 3.2-0.5	12/27/2018	S3-E1, S3-E2, S4-N1, S4-N2	0.5-1.0	1.83 J	ND	ND	ND
COMP 4.1-0.5	12/27/2018	S4-S2, S4-S1, S4-W1	0.5-1.0	ND	ND	ND	ND
COMP 4.2-0.5	12/27/2018	S5-S1, S4-E1, S4-S3, S5-W2	0.5-1.0	ND	ND	ND	ND
COMP 5.1 -0.5	12/27/2018	S5-S2, S6-E1, S6-W1, S5-E1	0.5-1.0	ND	ND	ND	ND
COMP 5.2-0.5	12/27/2018	S5-W1, S5-N2,	0.5-1.0	ND	ND	ND	ND
COMP 7.1-0.5	12/27/2018	S7-S1, S7-N1, S7-N2, S7-W1	0.5-1.0	ND	ND	ND	ND
COMP 7.2-0.5	12/27/2018	S7-S2, S7-S3, S7-N3, S7-N4,	0.5-1.0	5.65 J	5.73 J	6.99 J	ND
COMP 7.3-0.5	12/27/2018	S7-S4, S7-S5, S7-N5, S7-E1	0.5-1.0	ND	ND	ND	ND
COMP 9.1-0.5	12/27/2018	S9-N1, S9-N2, S9-W1, S9-E1	0.5-1.0	ND	ND	ND	ND
COMP 9.2-0.5	12/27/2018	S9-E2, S9-S1	0.5-1.0	ND	ND	ND	ND
Samples Analyzed				13	13	13	13
Detections				3	1	1	--
Method Detection Limit				1.0	1.0	1.0	--
Maximum Concentration				5.65	5.73	6.99	--
Screening Level				440	2,000	1,900	--
Detections > Screening Level				0	0	0	--

Screening levels based on DTSC HHRA Note 3 (June 2018) and November 2018 EPA RSLs

J Estimated concentration between the PQL and MDL
bgs Below ground surface
µg/kg micrograms per kilogram

ND Not detected above the MDL
MDL Method Detection Limit
PQL Practical Quantitation Limit

Table 3
Summary of Analytical Results -PCBs
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California

Sample ID	Sample Date	Laboratory Job Number	Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)	Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)	Aroclor-1262 (PCB-1262)	Aroclor-1268 (PCB-1268)
PG-19-0.5	12/26/2018	95575	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0
S2-E1-0.5	12/27/2018	95591	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
S3-E2-0.5	12/28/2018	95591	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0
S5-S1-0.5	10/28/2018	95590	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0
S6-E1-0.5	12/27/2018	95590	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0	ND<25.0
S7-E1-0.5	12/27/2018	95593	ND<125	ND<125	ND<125	ND<125	ND<125	ND<125	ND<125	ND<125	ND<125
S9-E2-0.5	12/28/2018	95592	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
S9-N1-0.5	12/27/2018	95592	ND<125	ND<125	ND<125	ND<125	ND<125	ND<125	ND<125	ND<125	ND<125
Samples Analyzed			8	8	8	8	8	8	8	8	8
Detections			0	0	0	0	0	0	0	0	0
Screening Level			410	200	170	230	230	120	240	240	240
Detections > Screening Level			0	0	0	0	0	0	0	0	0

all concentrations in micrograms per kilogram (ug/kg)

Screening levels based on DTSC HHRA Note 3 (June 2018) and November 2018 EPA RSLs

Screening level for Aroclor 1260 used as surrogate for Aroclors 1262 and 1268.

bgs Below ground surface

ND Not detected above the MDL

MDL Method Detection Limit

PQL Practical Quantitation Limit

Table 4
Summary of Analytical Results -PAHs
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California

Sample ID	Sample Date	Depth (feet bgs)	Fluoranthene	Phenanthrene	Pyrene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	B(a)P Equivalent
PG-1-0.5	12/26/2018	0.5	ND<0.020	ND<0.020	ND<0.020	ND<0.020	0.0311	ND<0.020	ND<0.020	0.0344	ND<0.020	ND<0.020	0.03884
PG-16-0.5	12/26/2018	0.5	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	0.00875
PP-3-0.5	12/26/2018	0.5	0.0338	0.0123	0.036	ND<0.010	0.0835	0.0562	0.0357	ND<0.010	ND<0.010	ND<0.010	0.09544
PG-11-0.5	12/26/2018	0.5	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	0.00875
PG-14-0.5	12/26/2018	0.5	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	0.00875
PG-19-0.5	12/26/2018	0.2	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	0.00875
Residential Screening Level			2,400	1,800	1,800	1.1	0.11	1.1	11	110	11	1.1	0.11
Commercial Screening Level			30,000	23,000	23,000	21	2.1	21	210	2100	2.1	21	2.1

all concentrations in milligrams per kilogram
screening levels based on November 2018 EPA Regional Screening Levels
Italics indicate an estimated concentration between the MDL and PQL
Highlighted columns indicate carcinogenic PAHs (cPAHs)

PAHs Polynuclear Aromatic Hydrocarbons
B(a)P Benzo (a) Pyrene
bgs below ground surface
nd not detected above the MDL
PQL Practical Quantiation Limit
MDL Method Detection Limit

Table 5
Summary of Analytical Results -Former UST (TPH and VOCs)
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California

Sample ID	Sample Date	Laboratory Job Number	TPH as Gasoline and Light HC (C4-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)	VOCs All
			mg/Kg	mg/Kg	mg/Kg	ug/kg
UST-5	12/28/2018	95597	ND<0.100	ND<1.0	ND<1.0	NA
UST-10	12/28/2018	95597	ND<0.100	ND<1.0	ND<1.0	ND
UST-15	12/28/2018	95597	ND<0.100	ND<1.0	ND<1.0	NA
UST-DUP	12/28/2018	95597	ND<0.100	ND<1.0	ND<1.0	NA

TPH Total Petroleum Hydrocarbons
VOCs Volatile Organic Compounds
HC Hydrocarbons
mg/kg milligrams per kilogram
ug/kg micrograms per kilogram

Table 6
Summary of Analytical Results -Asbestos in Soil
McKinley Avenue Elementary School
7812 McKinley Avenue
Los Angeles, California

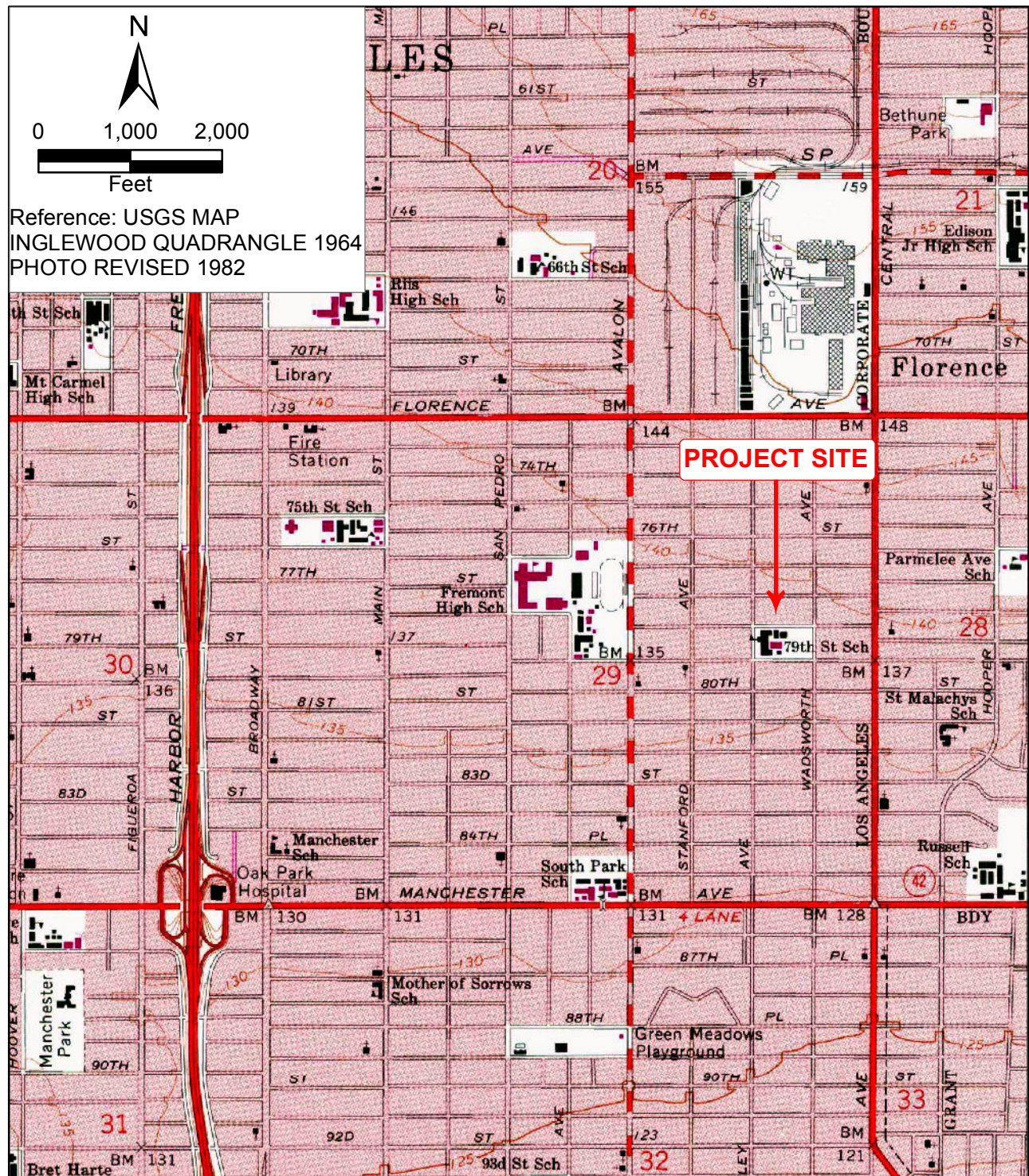
Sample ID	Sample Date	Depth (feet bgs)	Asbestos by PLM
S2-N2-0.5	10/28/2018	0.5	None detected
S3-E1-0.5	12/28/2018	0.5	None detected
S3-W2-0.5	12/28/2018	0.5	None detected
S4-S2-0.5	12/27/2018	0.5	None detected
S5-N2-0.5	12/27/2018	0.5	None detected
S5-W1-0.5	12/28/2018	0.5	None detected
S7-N1-0.5	12/28/2018	0.5	None detected
S7-S5-0.5	12/27/2018	0.5	None detected
S9-W1-0.5	12/27/2018	0.5	None detected
PG-2-05	12/26/2018	0.5	None detected
PG-8-0.5	12/26/2018	0.5	None detected
PG-11-0.5	12/26/2018	0.5	None detected
PG-19-05	12/26/2018	0.5	None detected
PG-20-05	12/26/2018	0.5	None detected
PG-24-0.5	12/26/2018	0.5	None detected
Samples Analyzed			15
Detections			0

bgs Below ground surface
PLM Polarized Light Microscopy

Figures

Figures

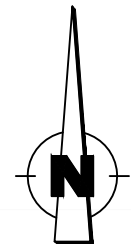
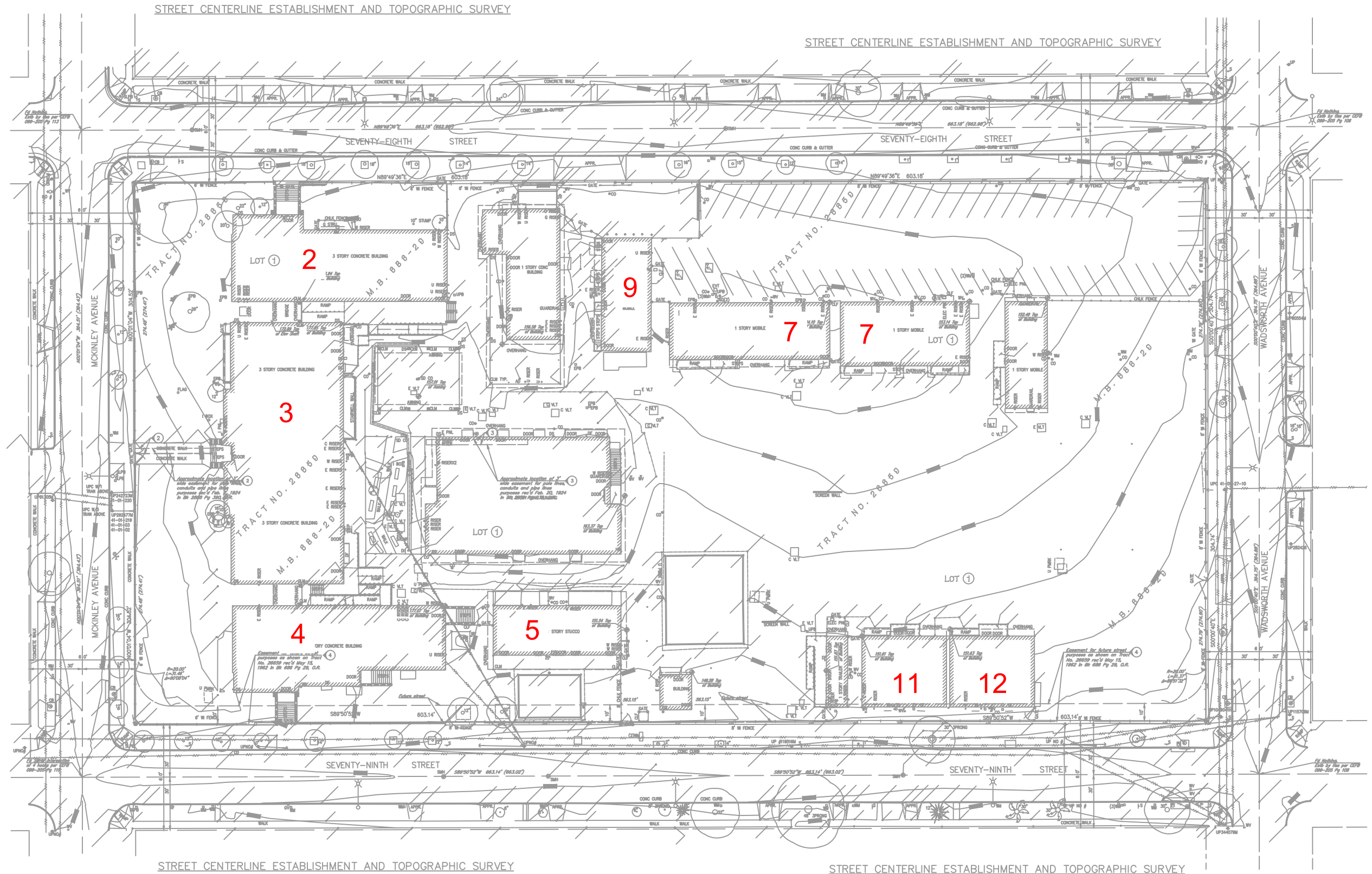





SITE LOCATION MAP

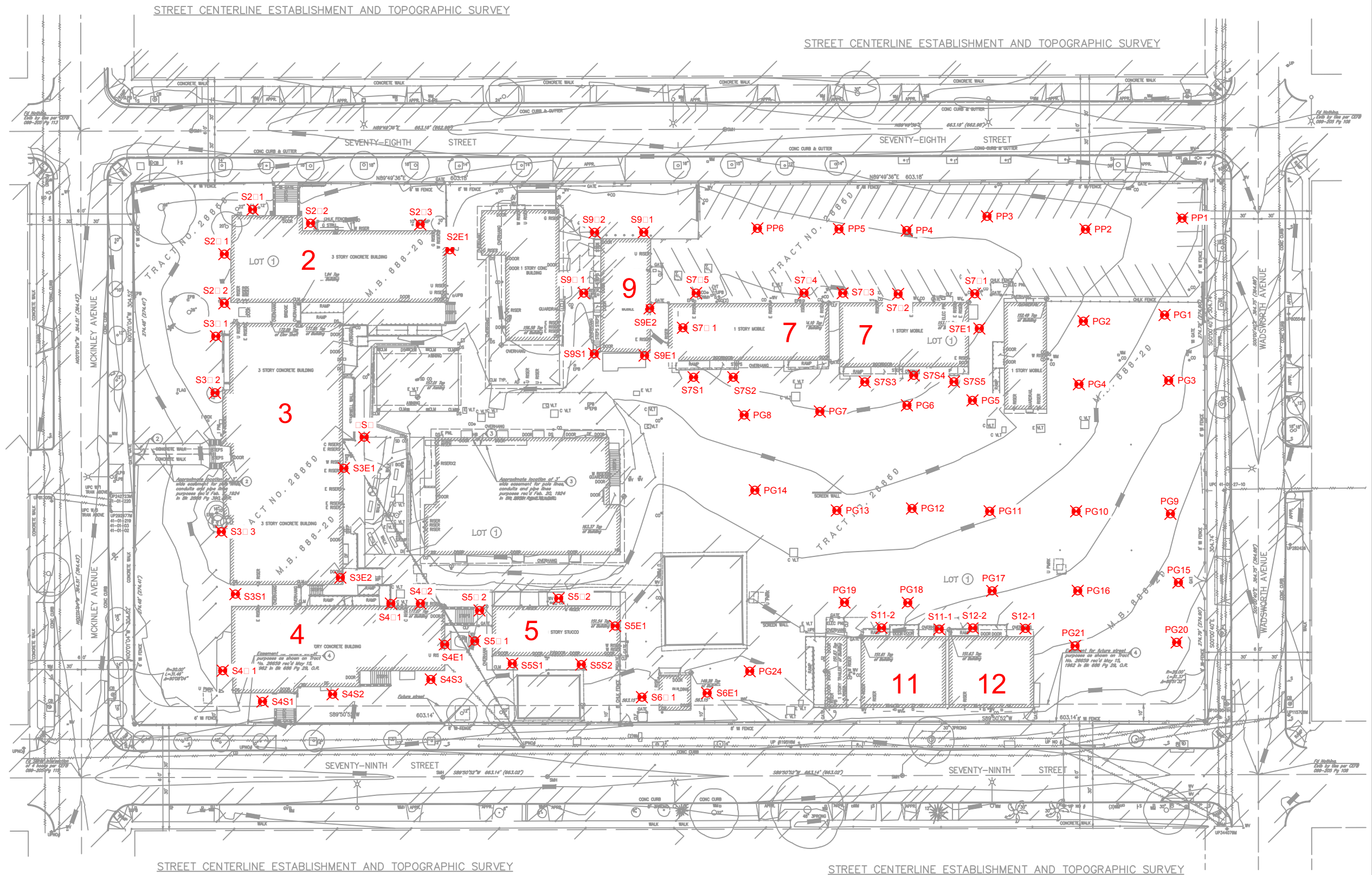
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7812 MCKINLEY AVENUE
LOS ANGELES, CALIFORNIA

Project No.
18-41-233-01



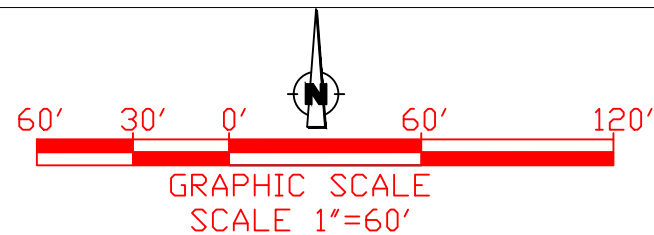
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SITE PLAN		
LAUSD MCKINLEY ELEMENTARY SCHOOL 7812 MCKINLEY AVENUE LOS ANGELES, CALIFORNIA		Project No. 18-41-233-01
Scale GRAPHIC SCALE Date JAN. 2019	Drawing No. 2	
 Converse Consultants		



LEGEND

BORING LOCATION



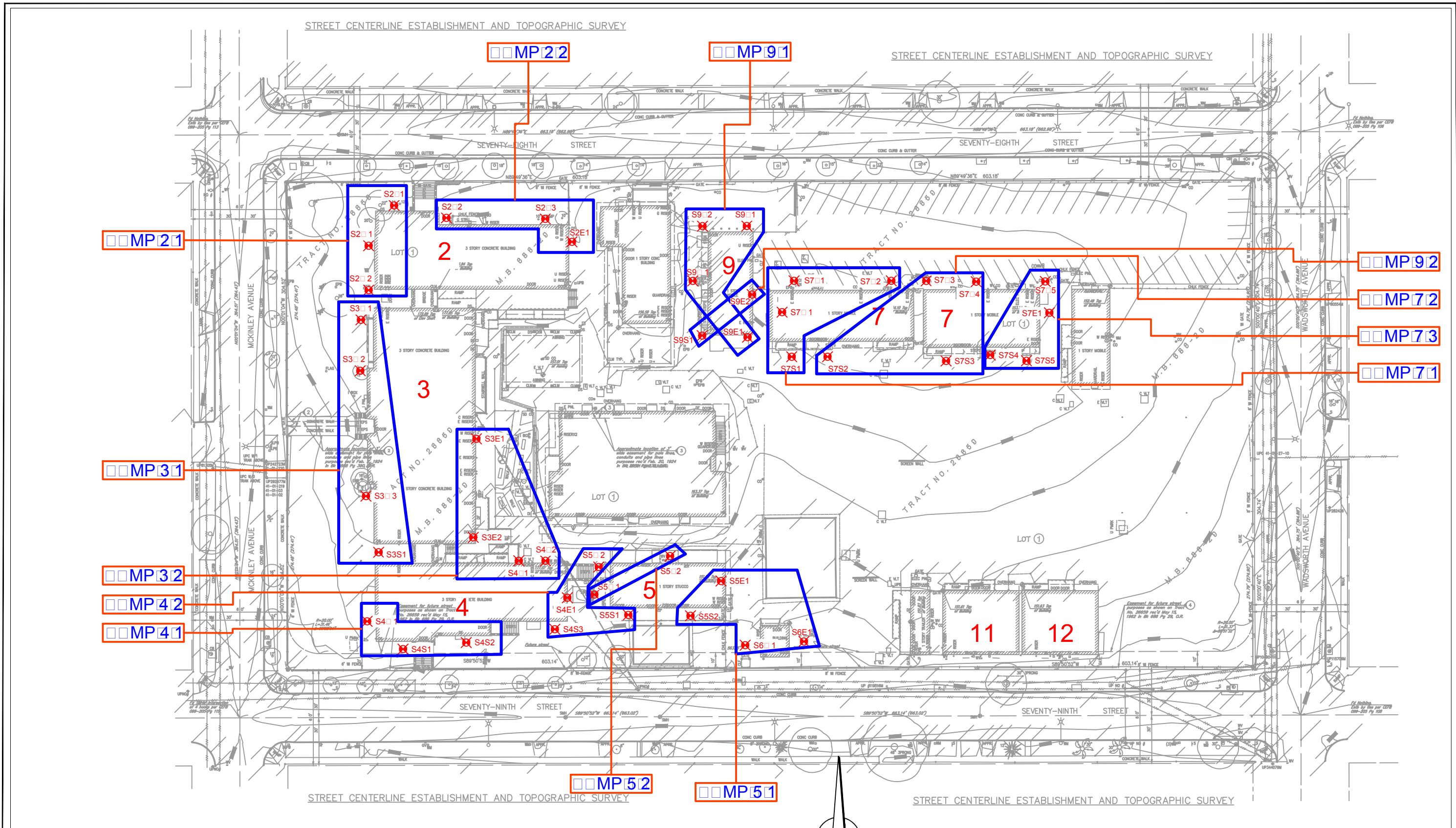
SOIL SAMPLE LOCATION MAP

LAUSD MCKINLEY ELEMENTARY SCHOOL
7812 MCKINLEY AVENUE
LOS ANGELES, CALIFORNIA

Scale
Date
GRAPHIC SCALE
JAN 2019

Project No.
18-41-233-01
DRAWING NO.





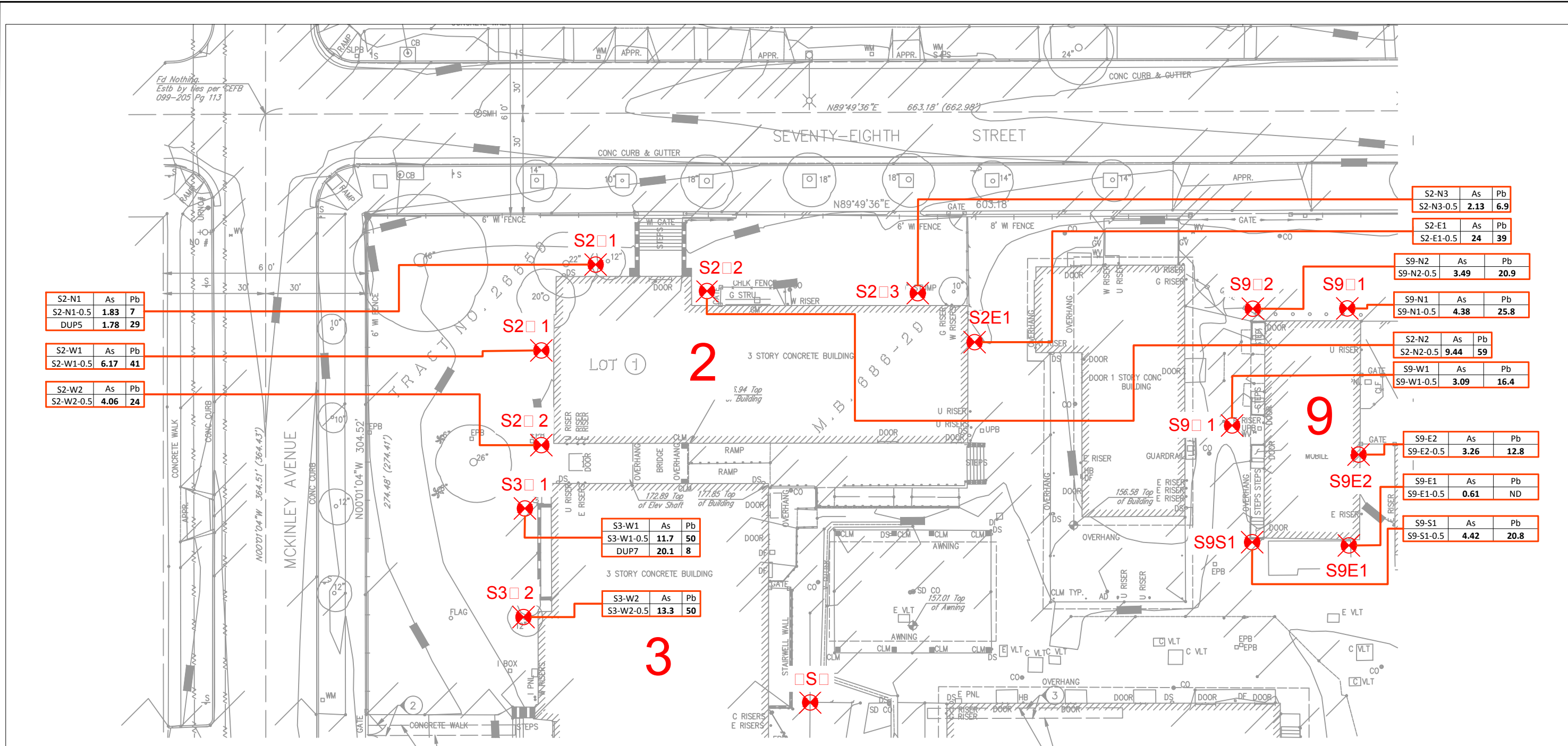
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BORING LOCATION
ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM

LOCATION OF COMPOSITE SAMPLES

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SAMPLE LOCATION MAPS-OCPS		
LAUSD MCKINLEY ELEMENTARY SCHOOL 7812 MCKINLEY AVENUE LOS ANGELES, CALIFORNIA	Scale GRAPHIC SCALE Date JAN. 2019	Project No. 18-41-233-01 DRAWING NO.
Converse Consultants		4



S2-N1	As	Pb
S2-N1-0.5	1.83	7
DUP5	1.78	29

S2-W1	As	Pb
S2-W1-0.5	6.17	41

S2-W2	As	Pb
S2-W2-0.5	4.06	24

S2-N3	As	Pb
S2-N3-0.5	2.13	6.9

S2-E1	As	Pb
S2-E1-0.5	24	39

S9-N2	As	Pb
S9-N2-0.5	3.49	20.9

S9-N1	As	Pb
S9-N1-0.5	4.38	25.8

S2-N2	As	Pb
S2-N2-0.5	9.44	59

S9-W1	As	Pb
S9-W1-0.5	3.09	16.4

S9-E2	As	Pb
S9-E2-0.5	3.26	12.8

S9-E1	As	Pb
S9-E1-0.5	0.61	ND

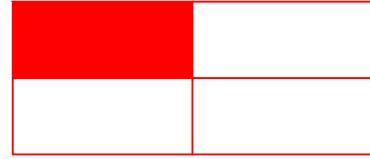
S9-S1	As	Pb
S9-S1-0.5	4.42	20.8

S3-W1	As	Pb
S3-W1-0.5	11.7	50
DUP7	20.1	8

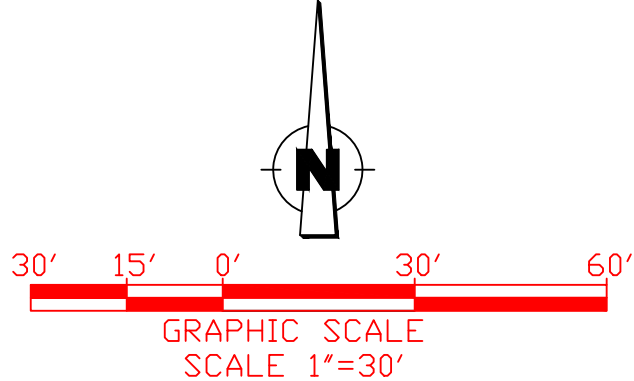
S3-W2	As	Pb
S3-W2-0.5	13.3	50

LEGEND

BORING LOCATION
ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM



LOCATION ON SITE PLAN

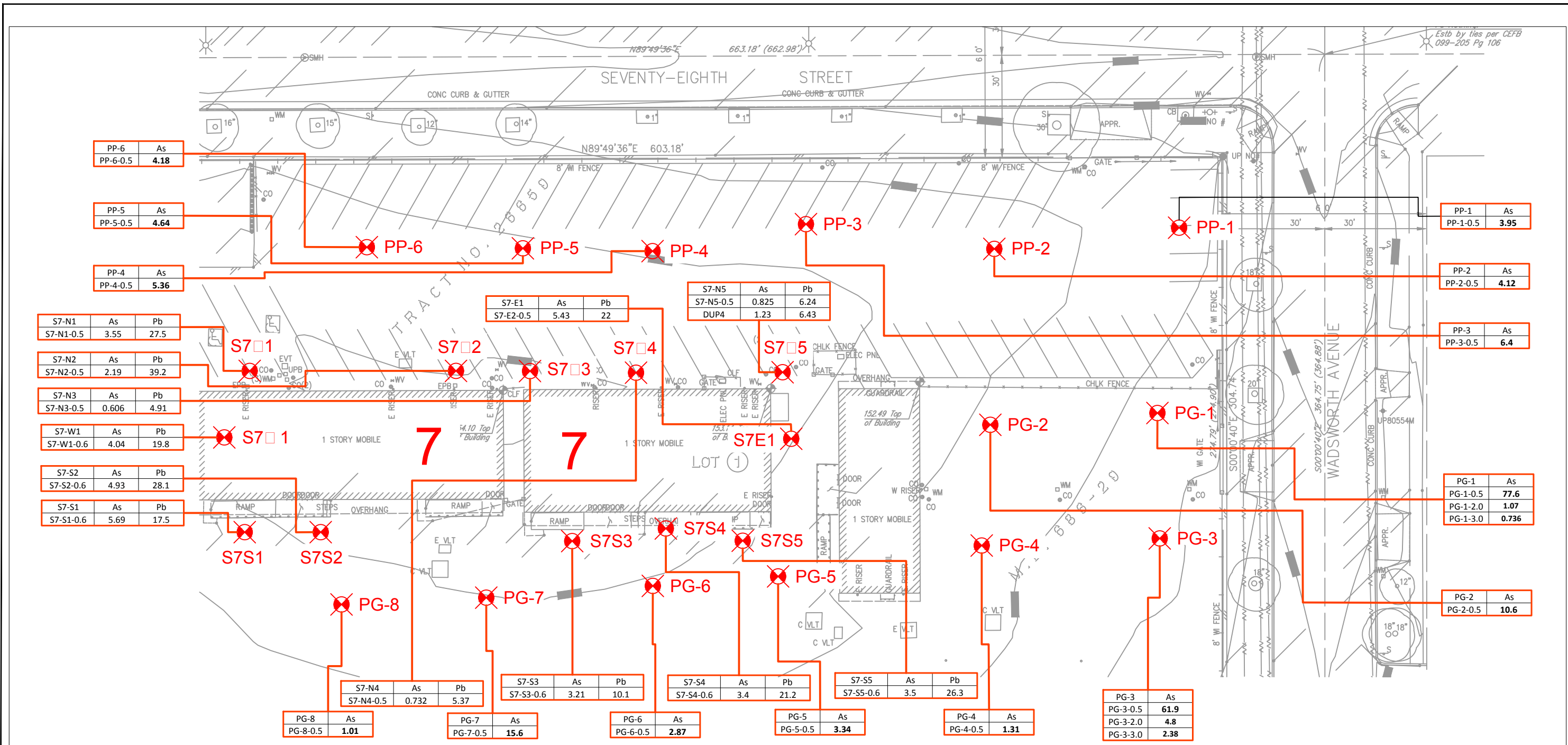


SAMPLE LOCATION MAP- LEAD & ARSENIC NW PORTION

LAUSD MCKINLEY ELEMENTARY SCHOOL
7812 MCKINLEY AVENUE
LOS ANGELES, CALIFORNIA

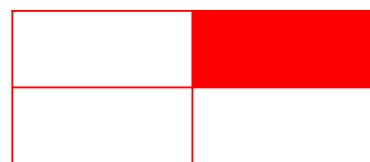
Scale
GRAPHIC SCALE
Date
JAN 2019

Project No.
18-41-233-01
Drawing No.
5

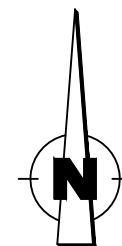


LEGEND

BORING LOCATION
ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM



LOCATION ON SITE PLAN



GRAPHIC SCALE
SCALE 1"=30'

SAMPLE LOCATION MAP- LEAD & ARSENIC NE PORTION

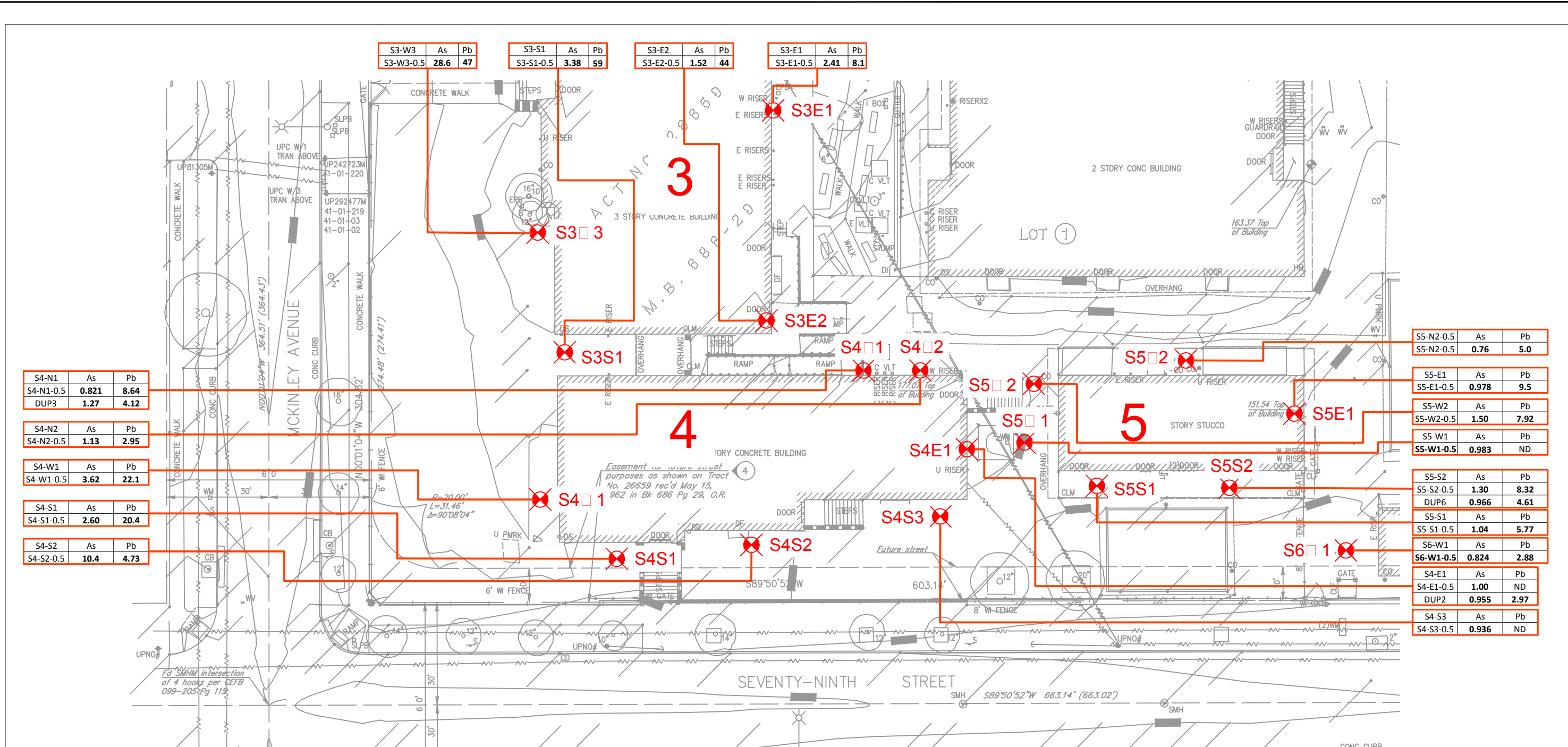
LAUSD MCKINLEY ELEMENTARY SCHOOL
7812 MCKINLEY AVENUE
LOS ANGELES, CALIFORNIA

Scale
GRAPHIC SCALE
Date
JAN. 2019

Project No.
18-41-233-01
DRAWING NO.



Converse Consultants



S4-N1	As	Pb
S4-N1-0.5	0.821	8.64
DUP3	1.27	4.12

S4-N2	As	Pb
S4-N2-0.5	1.13	2.95

S4-W1	As	Pb
S4-W1-0.5	3.62	22.1

S4-S1	As	Pb
S4-S1-0.5	2.60	20.4

S4-S2	As	Pb
S4-S2-0.5	10.4	4.73

S3-W3	As	Pb
S3-W3-0.5	28.6	47

S3-S1	As	Pb
S3-S1-0.5	3.38	59

S3-E2	As	Pb
S3-E2-0.5	1.52	44

S3-E1	As	Pb
S3-E1-0.5	2.41	8.1

S5-N2-0.5	As	Pb
S5-N2-0.5	0.76	5.0

S5-E1	As	Pb
S5-E1-0.5	0.978	9.5

S5-W2	As	Pb
S5-W2-0.5	1.50	7.92

S5-W1	As	Pb
S5-W1-0.5	0.983	ND

S5-S2	As	Pb
S5-S2-0.5	1.30	8.32

DUP6	0.966	4.61
------	-------	------

S5-S1	As	Pb
S5-S1-0.5	1.04	5.77

S6-W1	As	Pb
S6-W1-0.5	0.824	2.88

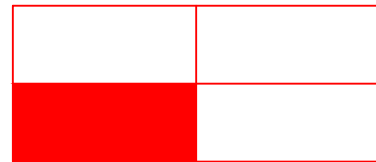
S4-E1	As	Pb
S4-E1-0.5	1.00	ND

DUP2	0.955	2.97
------	-------	------

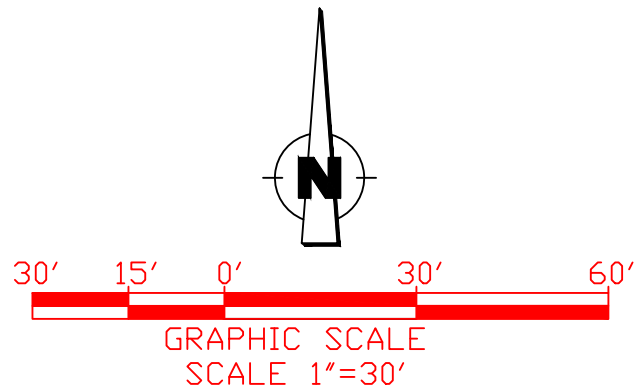
S4-S3	As	Pb
S4-S3-0.5	0.936	ND

LEGEND

BORING LOCATION
ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM



LOCATION ON SITE PLAN

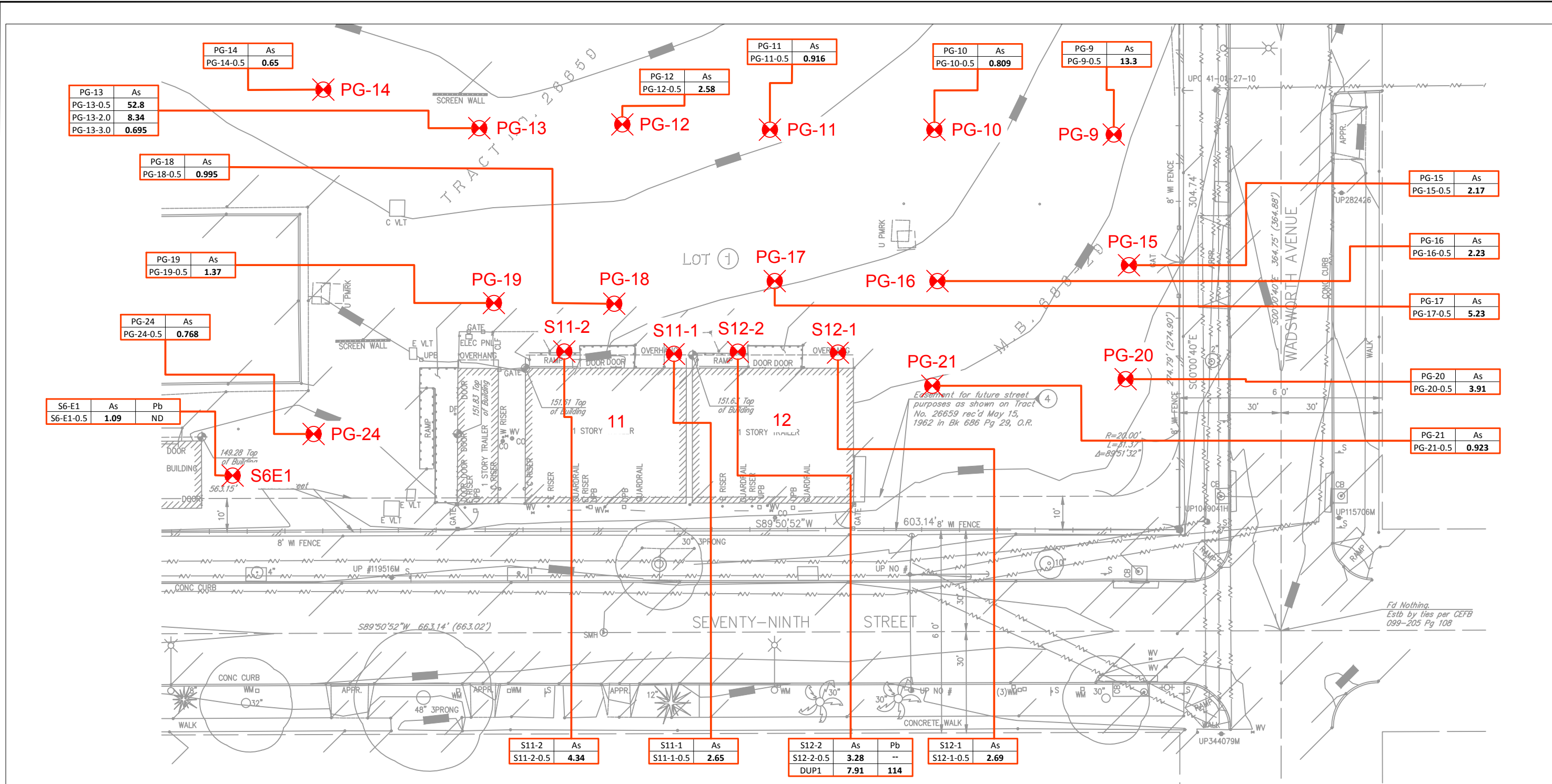


SAMPLE LOCATION MAP- LEAD & ARSENIC SW PORTION


LAUSD MCKINLEY ELEMENTARY SCHOOL
7812 MCKINLEY AVENUE
LOS ANGELES, CALIFORNIA

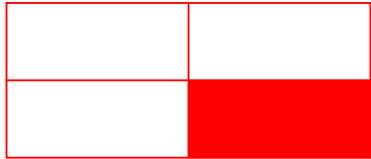
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Date
JAN. 2019

Project No.
18-41-233-01
DRAWING NO.



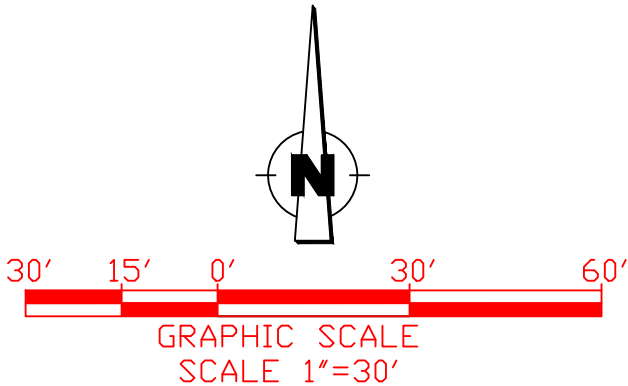
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 BORING LOCATION
ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM



LOCATION ON SITE PLAN

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SAMPLE LOCATION MAP- LEAD & ARSENIC SE PORTION

LAUSD MCKINLEY ELEMENTARY SCHOOL
7812 MCKINLEY AVENUE
LOS ANGELES, CALIFORNIA

Scale
GRAPHIC SCALE
Date
JAN. 2019

Project No.
18-41-233-01
DRAWING NO.

Sampling Rationale

Appendix A



Appendix A
Sampling Rationale
Lead, Arsenic, PCBs and OCPs
Preliminary Environmental Assessment Equivalent
McKinley Elementary School

Boring ID	Sampling Depths (feet below grade)	Sampling Rationale	Laboratory Analyses				
			Arsenic (As) by 6020	Lead (Pb) by 6010B	PCBs EPA 8082	Organochlorine Pesticides (OCPs) by 8081A (See Table 2)	
S1N1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group S1.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S1E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group S1.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S1S1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group S1.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S1W2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group S1.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S1W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group S1.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S1W3	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group S1.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S2N1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S2.1	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S2N2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S2.2	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S2N3	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S2.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S2E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1	1	Composite Group S2.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold	hold		
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold	hold		
S2W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S2.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S2W2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S2.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			

Not Sampled Building to Remain

Appendix A
Sampling Rationale
Lead, Arsenic, PCBs and OCPs
Preliminary Environmental Assessment Equivalent
McKinley Elementary School

Boring ID	Sampling Depths (feet below grade)	Sampling Rationale	Laboratory Analyses				
			Arsenic (As) by 6020	Lead (Pb) by 6010B	PCBs EPA 8082	Organochlorine Pesticides (OCPs) by 8081A (See Table 2)	
S3W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S3.1	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S3W2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S3.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S3W3	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S3.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S3S1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S3.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S3E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S3.2	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S3E2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1	1	Composite Group S3.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold	hold		
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold	hold		
S4N1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S3.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S4N2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S3.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S4E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 4.2	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S4S1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 4.1	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S4S2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 4.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S4S3	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 4.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S4W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 4.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			

Appendix A
Sampling Rationale
Lead, Arsenic, PCBs and OCPs
Preliminary Environmental Assessment Equivalent
McKinley Elementary School

Boring ID	Sampling Depths (feet below grade)	Sampling Rationale	Laboratory Analyses				
			Arsenic (As) by 6020	Lead (Pb) by 6010B	PCBs EPA 8082	Organochlorine Pesticides (OCPs) by 8081A (See Table 2)	
SSN1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S5.2	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
SSN2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S5.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S5E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S5.1	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
SSS1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1	1	Composite Group S4.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold	hold		
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold	hold		
SSS2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S5.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S5W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S4.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S6E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1	1	Composite Group S5.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold	hold		
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold	hold		
S6W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group S5.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S7N1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.1	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S7N2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S7N3	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.2	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S7N4	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S7N5	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.3	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold

Appendix A
Sampling Rationale
Lead, Arsenic, PCBs and OCPs
Preliminary Environmental Assessment Equivalent
McKinley Elementary School

Boring ID	Sampling Depths (feet below grade)	Sampling Rationale	Laboratory Analyses				
			Arsenic (As) by 6020	Lead (Pb) by 6010B	PCBs EPA 8082	Organochlorine Pesticides (OCPs) by 8081A (See Table 2)	
S7E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1	1	Composite Group 7.3	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold	hold		
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold	hold		
S7S1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S7S2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S7S3	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S7S4	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.3	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S7S5	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.3	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S7W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 7.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S8N1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group 8.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S8N2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group 8.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S8E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group 8.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S8S1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group 5.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S8S2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group 5.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					
S8W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)				Composite Group 8.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)					
	2.5 to 3 feet	Pavement (Arsenic)					

Not Sampled Building to Remain

Appendix A
Sampling Rationale
Lead, Arsenic, PCBs and OCPs
Preliminary Environmental Assessment Equivalent
McKinley Elementary School

Boring ID	Sampling Depths (feet below grade)	Sampling Rationale	Laboratory Analyses				
			Arsenic (As) by 6020	Lead (Pb) by 6010B	PCBs EPA 8082	Organochlorine Pesticides (OCPs) by 8081A (See Table 2)	
S9N1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1	1	Composite Group 9.1	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold	hold		hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold	hold		hold
S9N2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 9.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S9E1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1	1	Composite Group 9.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold	hold		
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold	hold		
S9E2	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 9.2	1
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			hold
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			hold
S9S1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 9.2	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S9W1	Surface (0 to 0.5 feet)	Pre 1989 (OCPs)	1	1		Composite Group 9.1	
	1.5 to 2.0 feet	Pre 1993 (Lead)	hold	hold			
	2.5 to 3 feet	Pavement (Arsenic)	hold	hold			
S10	Surface (0 to 0.5 feet)	Post 2006 Portable Pavement (Arsenic)					
	1.5 to 2.0 feet						
	2.5 to 3 feet						
S11	Surface (0 to 0.5 feet)	Post 2006 Portable Pavement (Arsenic)	2				
	1.5 to 2.0 feet		hold				
	2.5 to 3 feet		hold				
S12	Surface (0 to 0.5 feet)	Post 2006 Portable Pavement (Arsenic)	2				
	1.5 to 2.0 feet		hold				
	2.5 to 3 feet		hold				
PP1	Surface (0 to 0.5 feet)	General Site Screening Parking Lot (Arsenic)	1				
	1.5 to 2.0 feet		hold				
	2.5 to 3 feet		hold				
PP2	Surface (0 to 0.5 feet)	General Site Screening Parking Lot (Arsenic)	1				
	1.5 to 2.0 feet		hold				
	2.5 to 3 feet		hold				
PP3	Surface (0 to 0.5 feet)	General Site Screening Parking Lot (Arsenic)	1				
	1.5 to 2.0 feet		hold				
	2.5 to 3 feet		hold				
PP4	Surface (0 to 0.5 feet)	General Site Screening Parking Lot (Arsenic)	1				
	1.5 to 2.0 feet		hold				
	2.5 to 3 feet		hold				

Appendix A
Sampling Rationale
Lead, Arsenic, PCBs and OCPs
Preliminary Environmental Assessment Equivalent
McKinley Elementary School

Boring ID	Sampling Depths (feet below grade)	Sampling Rationale	Laboratory Analyses			
			Arsenic (As) by 6020	Lead (Pb) by 6010B	PCBs EPA 8082	Organochlorine Pesticides (OCPs) by 8081A (See Table 2)
PP5	Surface (0 to 0.5 feet)	General Site Screening Parking Lot (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PP6	Surface (0 to 0.5 feet)	General Site Screening Parking Lot (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG1	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG2	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG3	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG4	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG5	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG6	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG7	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG8	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG9	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG10	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			
PG11	Surface (0 to 0.5 feet)	General Site Screening Playground (Arsenic)	1			
	1.5 to 2.0 feet		hold			
	2.5 to 3 feet		hold			

Appendix A
Sampling Rationale
Lead, Arsenic, PCBs and OCPs
Preliminary Environmental Assessment Equivalent
McKinley Elementary School

Boring ID	Sampling Depths (feet below grade)	Sampling Rationale	Laboratory Analyses					
			Arsenic (As) by 6020	Lead (Pb) by 6010B	PCBs EPA 8082	Organochlorine Pesticides (OCPs) by 8081A (See Table 2)		
PG12	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG13	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG14	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG15	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG16	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG17	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG18	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG19	Surface (0 to 0.5 feet)	General Site Screening	1					1
	1.5 to 2.0 feet	Playground	hold					hold
	2.5 to 3 feet	(Arsenic)	hold					hold
PG20	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG21	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
PG22	Surface (0 to 0.5 feet)	General Site Screening						
	1.5 to 2.0 feet	Playground						
	2.5 to 3 feet	(Arsenic)						
PG23	Surface (0 to 0.5 feet)	General Site Screening						
	1.5 to 2.0 feet	Playground						
	2.5 to 3 feet	(Arsenic)						
PG24	Surface (0 to 0.5 feet)	General Site Screening	1					
	1.5 to 2.0 feet	Playground	hold					
	2.5 to 3 feet	(Arsenic)	hold					
Total Primary Samples			77	45	8		13	
Duplicate Samples			7	7				

Public Notice

Appendix B



Los Angeles Unified School District

Office of Environmental Health and Safety

AUSTIN BEUTNER
Superintendent of Schools

VIVIAN EKCHIAN
Deputy Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

December 14, 2018

TO: Neighbors, Students, and Staff Members of
McKinley Avenue Elementary School

FROM: Los Angeles Unified School District
Office of Environmental Health and Safety

REGARDING: Environmental Assessment
McKinley Avenue Elementary School, Los Angeles, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) would like to provide you with advance notice for a Preliminary Environmental Assessment (PEA) that will be conducted within the boundaries of McKinley Avenue Elementary School, located at 7812 McKinley Avenue, Los Angeles, CA 90001. The PEA will focus on areas planned for the redevelopment of the campus. LAUSD voluntarily conducts environmental reviews for construction and improvement projects at its existing schools.

A licensed contractor, working on behalf of LAUSD, will perform the environmental investigation under the oversight of the LAUSD-OEHS. The investigation will consist of soil sampling at locations on campus where existing facilities will be demolished and new construction will take place. Soil will be analyzed for potential chemicals of concern. If necessary, protective measures will be performed prior to construction activities.

Field work is anticipated to be completed over the Winter Recess (i.e. December 15, 2018 through January 6, 2019). If additional sampling is necessary, this sampling will also take place when school is out of session. Field work is scheduled to be conducted between 7:00 am and 7:00 pm.

The results of the investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether any of the chemicals of concern are present in soil at concentrations that would require further assessment, or if a response action will be necessary before the Site is cleared for construction activities. When the OEHS's review is complete, OEHS will issue a determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigation or other related activities for the proposed project, please contact Eric Longenecker, LAUSD-OEHS, Site Assessment Project Manager at (213) 241-4578 (email at eric.longenecker@lausd.net).

Distrito Escolar Unificado de Los Ángeles

Oficina de Salud y Seguridad Ambiental

AUSTIN BEUTNER
Superintendent of Schools

VIVIAN EKCHIAN
Deputy Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

14 de diciembre de 2018

A: Vecinos, Estudiantes y Personal de la
McKinley Avenue Escuela Primaria

DESDE: Distrito Escolar Unificado de Los Ángeles
Oficina de Salud y Seguridad Ambiental

RESPECTO DE: Evaluación Ambiental
McKinley Avenue Escuela Primaria, Los Ángeles, California

El Distrito Escolar Unificado de Los Ángeles (LAUSD, por sus siglas en inglés) - Oficina de Salud y Seguridad Ambiental (OEHS, por sus siglas en inglés) desea proporcionarle un aviso previo para una Evaluación Ambiental Preliminar (PEA) que se llevará a cabo dentro de los límites de la Escuela Primaria McKinley Avenue, ubicada En el 7812 McKinley Avenue, Los Ángeles, California 90001. La PEA se enfocará en áreas planificadas para la reurbanización del campus. LAUSD lleva a cabo voluntariamente revisiones ambientales para proyectos de construcción y mejoras en escuelas existentes.

Un contratista licenciado, que trabaja en nombre del LAUSD, realizará la investigación ambiental bajo la supervisión del LAUSD-OEHS. La investigación consistirá en el muestreo de suelos en los lugares del campus donde se demolerán las estructuras existentes y nueva construcción tendrá lugar. El suelo se analizará para el potencial compuestos de preocupación. Si es necesario, medidas de protección se llevará a cabo antes de las actividades de construcción.

Se prevé que el trabajo de campo esté terminado durante el receso de invierno (i.e. diciembre 15, 2018 hasta enero 6, 2019). Si es necesario un muestreo adicional, este muestreo se llevará a cabo cuando la escuela este fuera de sesión. El trabajo de campo se realizará entre las 7:00 am y las 7:00 pm.

Los resultados de la investigación serán presentados a LAUSD-OEHS en un informe para su revisión. El informe incluirá una evaluación de si alguno de los compuestos de preocupación está presente en el suelo en concentraciones que requerirían una evaluación adicional, o si una acción de respuesta será necesaria antes de que el Sitio sea despejado para actividades de construcción. Cuando se complete el examen de la OEHS, la OEHS emitirá una determinación con respecto a la evaluación.

Si usted tiene alguna pregunta acerca de la investigación del medio ambiente próximo y otras actividades relacionadas para el proyecto propuesto, por favor, póngase en contacto con Eric Longenecker, OEHS del LAUSD, Sitio gestor de evaluación del Proyecto al (213) 241-4578 (correo electrónico a eric.longenecker@lausd.net).

MCKINLEY AVENUE SCHOOL

Los Angeles Unified School District Office of Environmental Health and Safety

ALYSON MELTZER
Superintendent of Schools

STEPHAN BAEZ-ROSA
Public Information Officer

CAROLINA TORRES
Manager, Environmental Health and Safety

December 14, 2018

TO: Neighbors, Students, and Staff Members of
McKinley Avenue Elementary School

FROM: Los Angeles Unified School District
Office of Environmental Health and Safety

REGARDING: Environmental Assessment
McKinley Avenue Elementary School, Los Angeles, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) would like to provide you with advance notice for a Preliminary Environmental Assessment (PEA) that will be conducted within the boundaries of McKinley Avenue Elementary School, located at 7812 McKinley Avenue, Los Angeles, CA 90001. The PEA will focus on areas planned for the redevelopment of the campus. LAUSD voluntarily conducts environmental reviews for construction and improvement projects at its existing schools.

A licensed contractor, working on behalf of LAUSD, will perform the environmental investigation under the oversight of the LAUSD-OEHS. The investigation will consist of soil sampling at locations on campus where existing facilities will be demolished and new construction will take place. Soil will be analyzed for potential chemicals of concern. If necessary, protective measures will be performed prior to construction activities.

Field work is anticipated to be completed over the Winter Recess (i.e. December 15, 2018 through January 6, 2019). If additional sampling is necessary, this sampling will occur take place when school is out of session. Field work is scheduled to be conducted between 7:00 am and 7:00 pm.

The results of the investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether any of the chemicals of concern are present in soil at concentrations that would require further assessment, or if a response action will be necessary before the Site is cleared for construction activities. When the OEHS's review is complete, OEHS will issue a determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigation or other related activities for the proposed project, please contact Eric Longenecker, LAUSD-OEHS, Site Assessment Project Manager at (213) 241-4376 (email at eric.longenecker@lausd.net).

122 South Broadway Avenue, Ste. 200, Los Angeles, CA 90012 • Telephone: (213) 241-4399 • Fax: (213) 241-4816
Our Mission: To ensure a safe and healthy environment for students in schools. Students in need, our employees in need.
Our Vision: To eliminate all environmental health and safety risks in schools.

Distrito Escolar Unificado de Los Angeles Oficina de Salud y Seguridad Ambiental

ALYSON MELTZER
Superintendente de Escuelas

STEPHAN BAEZ-ROSA
Oficina de Información Pública

CAROLINA TORRES
Gerente, Salud y Seguridad Ambiental

14 de diciembre de 2018

A: Vecinos, Estudiantes y Personal de la
McKinley Avenue Escuela Primaria

DESDE: Distrito Escolar Unificado de Los Angeles
Oficina de Salud y Seguridad Ambiental

RESPECTO DE: Evaluación Ambiental
McKinley Avenue Escuela Primaria, Los Angeles, California

El Distrito Escolar Unificado de Los Angeles (LAUSD, por sus siglas en inglés) - Oficina de Salud y Seguridad Ambiental (OEHS, por sus siglas en inglés) desea proporcionarles un aviso previo para una Evaluación Ambiental Preliminar (PEA) que se llevará a cabo dentro de los límites de la Escuela Primaria McKinley Avenue, ubicada En el 7812 McKinley Avenue, Los Angeles, California 90001. La PEA se enfocará en áreas planificadas para la reurbanización del campus. LAUSD lleva a cabo voluntariamente revisiones ambientales para proyectos de construcción y mejoras en escuelas existentes.

Un contratista licenciado, que trabaja en nombre del LAUSD, realizará la investigación ambiental bajo la supervisión del LAUSD-OEHS. La investigación consistirá en el muestreo de suelos en los lugares del campus donde se demolirán las estructuras existentes y nueva construcción tendrá lugar. El suelo se analizará para el potencial químico de preocupación. Si es necesario, medidas de protección se llevarán a cabo antes de las actividades de construcción.

Se prevé que el trabajo de campo está terminado durante el receso de invierno (i.e. diciembre 15, 2018 hasta enero 6, 2019). Si es necesario un muestreo adicional, una muestra se llevará a cabo cuando la escuela esté fuera de sesión. El trabajo de campo se realizará entre las 7:00 am y las 7:00 pm.

Los resultados de la investigación serán presentados a LAUSD-OEHS en un informe para su revisión. El informe incluirá una evaluación de si alguno de los químicos de preocupación está presente en el suelo en concentraciones que requieran una evaluación adicional, o si una acción de respuesta será necesaria antes de que el Sitio sea despejado para actividades de construcción. Cuando se complete el examen de la OEHS, la OEHS emitirá una determinación con respecto a la evaluación.

Si usted tiene alguna pregunta acerca de la investigación del medio ambiente preliminar y otras actividades relacionadas para el proyecto propuesto, por favor, póngase en contacto con Eric Longenecker, OEHS del LAUSD. Sitio gestor de evaluación del Proyecto al (213) 241-4376 (correo electrónico a eric.longenecker@lausd.net).

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Our Vision: To eliminate all environmental health and safety risks in schools.

Appendix C



SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	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
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	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 MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	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

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.
	DRIVE SAMPLE No recovery
	BULK SAMPLE
	GRAB SAMPLE
	GROUNDWATER WHILE DRILLING
	GROUNDWATER AFTER DRILLING

BORING LOG SYMBOLS

LABORATORY TESTING ABBREVIATIONS		
TEST TYPE	STRENGTH	
(Results shown in Appendix B)	Pocket Penetrometer	p
	Direct Shear	ds
	Direct Shear (single point)	ds*
	Unconfined Compression	uc
	Triaxial Compression	tx
	Vane Shear	vs
CLASSIFICATION		
Plasticity	pi	
Grain Size Analysis	ma	
Passing No. 200 Sieve	wa	
Sand Equivalent	se	
Expansion Index	ei	
Compaction Curve	max	
Hydrometer	h	
	Consolidation	c
	Collapse Test	col
	Resistance (R) Value	r
	Chemical Analysis	ca
	Electrical Resistivity	er

UNIFIED SOIL CLASSIFICATION AND KEY TO BORING LOG SYMBOLS



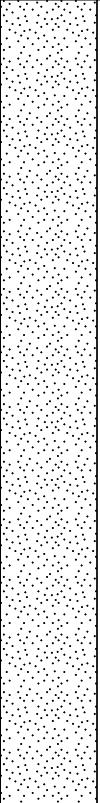
Converse Consultants

Project Name
McKinley Avenue Elementary School
Comprehensive Modernization Project
7812 McKinley Avenue
Los Angeles, CA

Project No. Figure No.
18-41-233-02

Log of Boring No. PG

Dates Drilled: 12/26/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, minor silt, well sorted, slightly moist, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings PG-1 through -21 and PG-24.				



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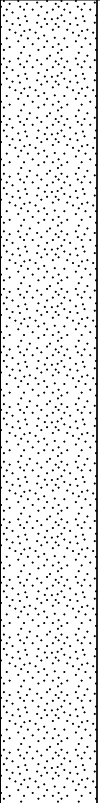
Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 PG

Log of Boring No. S11

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, minor coarse sand and gravel, moderately sorted, dry, brown.			0.0	
2		-no gravel, well sorted.			0.0	
3					0.0	
		Representative of borings S11 -1 through -2.				



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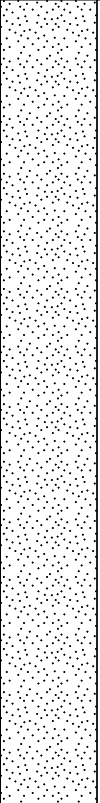



Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S11

Log of Boring No. S12

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, well sorted, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S12 -1 through -2.				



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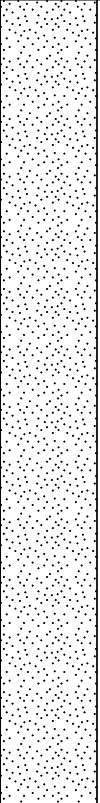
Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S12

Log of Boring No. S2-1

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, trace silt, well sorted, dry, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S2 N2, N3 and E1.				



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Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S2-1

Log of Boring No. S2-2

Dates Drilled: 12/28/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SILTY SAND (SM): very fine to fine-grained, trace angular gravel, moderately sorted, slightly moist, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S2 W1, W2 and N1.				



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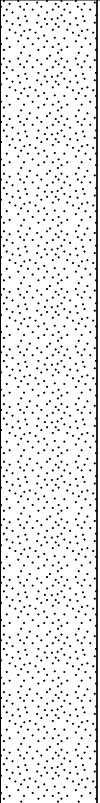
Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S2-2

Log of Boring No. S3

Dates Drilled: 12/28/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, with minor silt and some coarse sand, trace gravel, moderately sorted, dry, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S3 E1, E2, W1, S1, W2 and W3 .				



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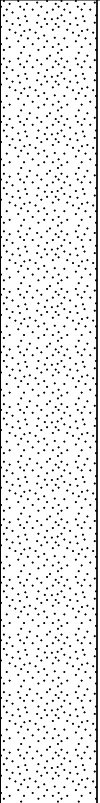
Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S3

Log of Boring No. S4-1

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, with some silt and minor gravel, dry, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S4 N2, S2, S3 and E1.				



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Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S4-1

Log of Boring No. S4-2

Dates Drilled: 12/28/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SILTY SAND (SM): very fine-grained, moderately sorted, slightly moist, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S4 W1 and S1				



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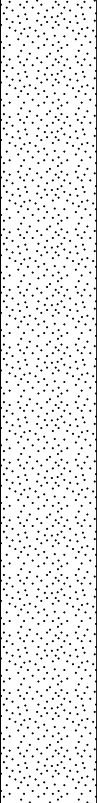



Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S4-2

Log of Boring No. S5-1

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, trace silt, moderately sorted, dry, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S5 E1, W2 and S2				



Converse Consultants

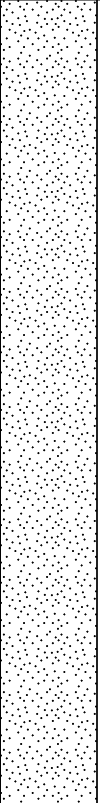
Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S5-1

Log of Boring No. S5-2

Dates Drilled: 12/28/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, trace silt, moderately sorted, dry, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S5 W1, S1 and N2				



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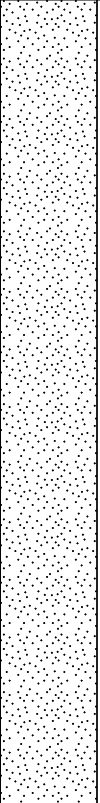
Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S5-2

Log of Boring No. S6

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, trace silt, moderately sorted, dry, grayish-brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S6 E1 and W1				



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Project Name
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 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

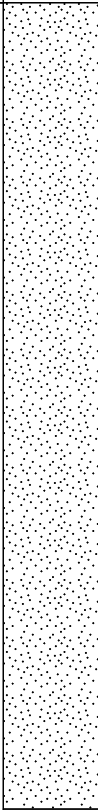



Figure No.
 S6

Log of Boring No. S7E1

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF

Equipment: GEOPROBE Driving Weight and Drop: N/A

Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, minor silt and angular gravel, moderately well sorted, dry, brown. -no gravel, well sorted			0.0	
2					0.0	
3					0.0	



Converse Consultants

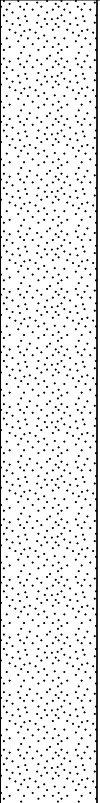
Project Name
McKinley Avenue Elementary School
Comprehensive Modernization Project
7812 McKinley Avenue
Los Angeles, CA

Project No.
18-41-233-02

Figure No.
S7E1

Log of Boring No. S7N

Dates Drilled: 12/28/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, minor silt, well sorted, dry, brown.			0.0	
2					0.0	
3					0.0	
		Representative of borings S7N-1 through -5.				



Converse Consultants

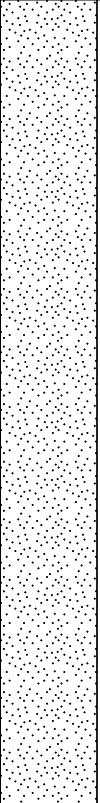
Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S7N

Log of Boring No. S7S

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, minor silt, trace angular gravel, moderately well sorted, dry, brown.			0.0	
2					0.0	
3		-no gravel, well sorted			0.0	
		Representative of borings S7S-1 through -5.				



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Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

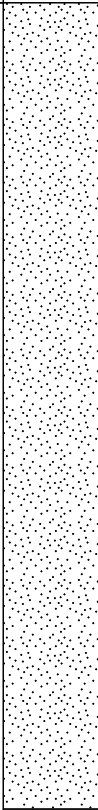



Figure No.
 S7S

Log of Boring No. S7W1

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF

Equipment: GEOPROBE Driving Weight and Drop: N/A

Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		SAND (SP): very fine to fine-grained, minor silt and angular gravel, moderately well sorted, dry, brown. -no gravel, well sorted			0.0	
2					0.0	
3					0.0	



Converse Consultants

Project Name

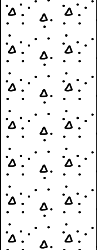

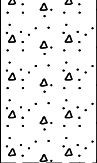

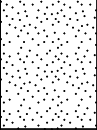

**McKinley Avenue Elementary School
Comprehensive Modernization Project
7812 McKinley Avenue
Los Angeles, CA**

Project No.
18-41-233-02

Figure No.
S7W1

Log of Boring No. S9

Dates Drilled: 12/27/2018 Logged by: MVF Checked By: MVF
 Equipment: GEOPROBE Driving Weight and Drop: N/A
 Ground Surface Elevation (ft): N/A 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		PID (PPM)	
			DRIVE	BULK		
1		GRAVELLY SAND (SW): very fine to fine-grained, moderately sorted, dry, brown.			0.0	
2					0.0	
3		SAND (SP): very fine to fine-grained, well sorted, dry, brown.			0.0	
		Representative of borings S9 N1, N2, S1, E1, E2 and W1.				



Converse Consultants

Project Name
 McKinley Avenue Elementary School
 Comprehensive Modernization Project
 7812 McKinley Avenue
 Los Angeles, CA

Project No.
 18-41-233-02

Figure No.
 S9

Log of Boring No. UST

Dates Drilled: 12/28/2018 Logged by: MVF Checked By: MVF

Equipment: GEOPROBE Driving Weight and Drop: N/A

Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

[illegible]

Converse Consultants

Project Name

**McKinley Avenue Elementary School
Comprehensive Modernization Project
7812 McKinley Avenue
Los Angeles, CA**

Project No.
18-41-233-02

Figure No.
UST

Laboratory Analytical Reports

Appendix D





American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 12
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626)930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95574	12/27/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 15 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
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CHAIN OF CUSTODY RECORD 110320

COMPANY		PROJECT MANAGER		AETL JOB No.		Page 1 of 6	
CONVERSE		JOHN ZIEGLER		95574			
COMPANY ADDRESS		PHONE 626 930-1234		FAX		TEST INSTRUCTIONS & COMMENTS	
717 S. MYRTLE AVE. MONROVIA							
PROJECT NAME		PROJECT #		ANALYSIS REQUESTED			
McKinley Comp. Med.		18-41-233-02		EPA 620 Arsenic			
SITE NAME AND ADDRESS		PO #					
McKinley ES							
7812 McKinley Ave. LA 90001							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
PP-1-1.0	95574.01	12/26/18	7:40	SOIL	151-20ve	10E	
PP-1-2.0	95574.02		7:41				
PP-1-3.0	95574.03		7:42				
PP-2-0.5	95574.04		8:03				
PP-2-2.0	95574.05		8:06				
PP-2-3.0	95574.06		8:07				
PP-3-0.5	95574.07		8:18				
PP-3-2.0	95574.08		8:19				
PP-3-3.0	95574.09		8:20				
PP-4-0.5	95574.10		8:30				
PP-4-2.0	95574.11		8:31				
PP-4-3.0	95574.12		8:32				
PP-5-0.5	95574.13		8:45				
PP-5-2.0	95574.14		8:46				
PP-5-3.0	95574.15		8:48				
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY							
TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y/N/NA	RELINQUISHED BY SAMPLER:	Signature:	RELINQUISHED BY:	3.
CUSTODY SEALS Y/N/NA		SAMPLES INTACT	Y/N/NA	Signature:	Printed Name:	Signature:	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED	Y/N	Signature:	Printed Name:	Signature:	
TURN AROUND TIME				DATE:	TIME:	DATE:	TIME:
DATA DELIVERABLE REQUIRED				12/27/18	1130	12/27/18	1230
DATA DELIVERABLE REQUIRED				1. RECEIVED BY:	2. RECEIVED BY:	3. RECEIVED BY:	
DATA DELIVERABLE REQUIRED				Signature:	Signature:	Signature:	
DATA DELIVERABLE REQUIRED				Printed Name:	Printed Name:	Printed Name:	
DATA DELIVERABLE REQUIRED				DATE:	TIME:	DATE:	TIME:
DATA DELIVERABLE REQUIRED				12/27/18	1130	12/27/18	1230
DATA DELIVERABLE REQUIRED				1. RECEIVED BY:	2. RECEIVED BY:	3. RECEIVED BY:	
DATA DELIVERABLE REQUIRED				Signature:	Signature:	Signature:	
DATA DELIVERABLE REQUIRED				Printed Name:	Printed Name:	Printed Name:	
DATA DELIVERABLE REQUIRED				DATE:	TIME:	DATE:	TIME:
DATA DELIVERABLE REQUIRED				12/27/18	1130	12/27/18	1230
DATA DELIVERABLE REQUIRED				1. RECEIVED BY:	2. RECEIVED BY:	3. RECEIVED BY:	
DATA DELIVERABLE REQUIRED				Signature:	Signature:	Signature:	
DATA DELIVERABLE REQUIRED				Printed Name:	Printed Name:	Printed Name:	
DATA DELIVERABLE REQUIRED				DATE:	TIME:	DATE:	TIME:
DATA DELIVERABLE REQUIRED				12/27/18	1130	12/27/18	1230

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



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CHAIN OF CUSTODY RECORD

110321

AETL JOB No. **95574** Page **7** of **6**

COMPANY Conover		PROJECT MANAGER JRZ				
COMPANY ADDRESS 717 S. MYRTLE AV. MONROVIA 9106		PHONE 626 930-1234 FAX				
PROJECT NAME McKinley Comp Mod.		PROJECT # 10-41-233-02				
SITE NAME AND ADDRESS McKinley ES 7812 McKinley, CA 90001		PO #				
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 PP-6-0.5	95574.16	12/26/18	9:00	SIL	15 LEEVE	VE
2 PP-6-2.0	95574.17		9:01			
3 PP-6-3.0	95574.18		9:02			
4 PG-1-0.5	95574.19		10:00			
5 PG-1-2.0	95574.20		10:01			
6 PG-1-3.0	95574.21		10:02			
7 PG-3-0.5	95574.22		10:00			
8 PG-3-2.0	95574.23		10:01			
9 PG-3-3.0	95574.24		10:12			
10 PG-9-0.5	95574.25		10:20			
11 PG-9-2.0	95574.26		10:21			
12 PG-9-3.0	95574.27		10:22			
13 PG-15-0.5	95574.28		10:30			
14 PG-15-2.0	95574.29		10:31			
15 PG-15-3.0	95574.30		10:32			
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 checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH				<input type="checkbox"/> HARD COPY		
<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY				<input type="checkbox"/> PDF		
<input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS				<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		
				<input type="checkbox"/> OTHER (PLEASE SPECIFY)		
RELINQUISHED BY:				RELINQUISHED BY:		
Signature: <i>[Signature]</i>				Signature: <i>[Signature]</i>		
Printed Name: <i>[Name]</i>				Printed Name: <i>[Name]</i>		
Date: <i>12/27/18</i>				Date: <i>12/27/18</i>		
Time: <i>1230</i>				Time: <i>1230</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>12/27/18</i>				Date: <i>12/27/18</i>		
Time: <i>1230</i>				Time: <i>1230</i>		
TEST INSTRUCTIONS & COMMENTS				TEST INSTRUCTIONS & COMMENTS		

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



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CHAIN OF CUSTODY RECORD
110323

95574

AETL JOB No.

Page 3 of 6

COMPANY

CONVERSE

PROJECT MANAGER

JEZ

PHONE

626 930-1234

FAX

COMPANY ADDRESS

717 S. MYRTLE AV. MONROVIA CA 90016

PROJECT NAME

McKinley Comp-Med.

SITE NAME AND ADDRESS

McKinley Es
702 McKinley LA CA 90001

PROJECT #

18-41-233-02

PO #

ANALYSIS REQUESTED

EPA 6020 As

EPA 830 PARS

TEST INSTRUCTIONS & COMMENTS

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I HOLD

AE TL JOB No.

95511

Page

3

of

6

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Printed Name: JAHNKE

Date: 12/22/18

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Signature: [Signature]

Printed Name: [Name]

Date: 12/22/18

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Date: 12/22/18

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Signature: [Signature]

Printed Name: [Name]

Date: 12/22/18

RECEIVED BY: 2.

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Date: 12/22/18

RECEIVED BY: 2.

Signature: [Signature]

Printed Name: [Name]

Date: 12/22/18

RECEIVED BY:

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COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>95574, 95575</u>			
Date Received: <u>12/27/18</u>		Received by: <u>A.J.</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <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>3.4</u> , No 2: <u>3.2</u> , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input 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, <u>HNO₃</u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na₂S₂O₃</u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>X</u>		
2. Are the Sample labels legible?	<u>X</u>		
3. Do samples match the COC?	<u>X</u>		
4. Are the required analyses clear?	<u>X</u>		
5. Is there enough samples for required analysis?	<u>X</u>		
6. Are samples sealed with evidence tape?		<u>X</u>	
7. Are sample containers in good condition?	<u>X</u>		
8. Are samples preserved?	<u>X</u>		
9. Are samples preserved properly for the intended analysis?	<u>X</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>X</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95574	12/27/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 45 samples with the following specification on 12/27/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95574.01	PP-1-1.0	12/26/2018	Soil	1		
95574.04	PP-2-0.5	12/26/2018	Soil	1		
95574.10	PP-4-0.5	12/26/2018	Soil	1		
95574.13	PP-5-0.5	12/26/2018	Soil	1		
95574.16	PP-6-0.5	12/26/2018	Soil	1		
95574.22	PG-3-0.5	12/26/2018	Soil	1		
95574.25	PG-9-0.5	12/26/2018	Soil	1		
95574.28	PG-15-0.5	12/26/2018	Soil	1		
95574.31	PG-20-0.5	12/26/2018	Soil	1		
95574.34	PG-21-0.5	12/26/2018	Soil	1		
95574.40	PG-10-0.5	12/26/2018	Soil	1		
95574.43	PG-4-0.5	12/26/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6020) ^ AS		01/03/2019	2	Normal	mg/Kg
95574.02	PP-1-2.0	12/26/2018	Soil	1		
95574.03	PP-1-3.0	12/26/2018	Soil	1		
95574.05	PP-2-2.0	12/26/2018	Soil	1		
95574.06	PP-2-3.0	12/26/2018	Soil	1		
95574.08	PP-3-2.0	12/26/2018	Soil	1		
95574.09	PP-3-3.0	12/26/2018	Soil	1		
95574.11	PP-4-2.0	12/26/2018	Soil	1		
95574.12	PP-4-3.0	12/26/2018	Soil	1		
95574.14	PP-5-2.0	12/26/2018	Soil	1		
95574.15	PP-5-3.0	12/26/2018	Soil	1		
95574.17	PP-6-2.0	12/26/2018	Soil	1		

Continued



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Page: 1 B

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95574	12/27/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

95574.18	PP-6-3.0	12/26/2018	Soil	1
95574.20	PG-1-2.0	12/26/2018	Soil	1
95574.21	PG-1-3.0	12/26/2018	Soil	1
95574.23	PG-3-2.0	12/26/2018	Soil	1
95574.24	PG-3-3.0	12/26/2018	Soil	1
95574.26	PG-9-2.0	12/26/2018	Soil	1
95574.27	PG-9-3.0	12/26/2018	Soil	1
95574.29	PG-15-2.0	12/26/2018	Soil	1
95574.30	PG-15-3.0	12/26/2018	Soil	1
95574.32	PG-20-2.0	12/26/2018	Soil	1
95574.33	PG-20-3.0	12/26/2018	Soil	1
95574.35	PG-21-2.0	12/26/2018	Soil	1
95574.36	PG-21-3.0	12/26/2018	Soil	1
95574.38	PG-16-2.0	12/26/2018	Soil	1
95574.39	PG-16-3.0	12/26/2018	Soil	1
95574.41	PG-10-2.0	12/26/2018	Soil	1
95574.42	PG-10-3.0	12/26/2018	Soil	1
95574.44	PG-4-2.0	12/26/2018	Soil	1
95574.45	PG-4-3.0	12/26/2018	Soil	1
Method ^ Submethod		Req Date	Priority	TAT
ARCHIVE		01/03/2019	2	Normal
				Units
95574.07	PP-3-0.5	12/26/2018	Soil	1
95574.19	PG-1-0.5	12/26/2018	Soil	1
95574.37	PG-16-0.5	12/26/2018	Soil	1
Method ^ Submethod		Req Date	Priority	TAT
(6020) ^ AS		01/03/2019	2	Normal
				mg/Kg
(8310)		01/03/2019	2	Normal
				mg/Kg

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Project ID: 18-41-233-02
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95574	12/27/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C1

Our Lab I.D.			Method Blank	95574.01	95574.04	95574.07	95574.10
Client Sample I.D.				PP-1-1.0	PP-2-0.5	PP-3-0.5	PP-4-0.5
Date Sampled				12/26/2018	12/26/2018	12/26/2018	12/26/2018
Date Prepared			12/28/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	3.95	4.12	6.40	5.36



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C1

Our Lab I.D.			95574.13	95574.16	95574.19	95574.22	95574.25
Client Sample I.D.			PP-5-0.5	PP-6-0.5	PG-1-0.5	PG-3-0.5	PG-9-0.5
Date Sampled			12/26/2018	12/26/2018	12/26/2018	12/26/2018	12/26/2018
Date Prepared			12/28/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	4.64	4.18	77.6	61.9	13.3



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C1

Our Lab I.D.		95574.28				
Client Sample I.D.		PG-15-0.5				
Date Sampled		12/26/2018				
Date Prepared		12/28/2018				
Preparation Method		3050B				
Date Analyzed		12/31/2018				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Arsenic	0.05	0.10	2.17			



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C2

Our Lab I.D.			Method Blank	95574.31	95574.34	95574.37	95574.40
Client Sample I.D.				PG-20-0.5	PG-21-0.5	PG-16-0.5	PG-10-0.5
Date Sampled				12/26/2018	12/26/2018	12/26/2018	12/26/2018
Date Prepared			12/28/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	3.91	0.923	2.23	0.809



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C2

Our Lab I.D.		95574.43				
Client Sample I.D.		PG-4-0.5				
Date Sampled		12/26/2018				
Date Prepared		12/28/2018				
Preparation Method		3050B				
Date Analyzed		12/31/2018				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Arsenic	0.05	0.10	1.31			



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 010319IB1

Our Lab I.D.			Method Blank	95574.07			
Client Sample I.D.				PP-3-0.5			
Date Sampled				12/26/2018			
Date Prepared			01/03/2019	01/03/2019			
Preparation Method			3550B	3550B			
Date Analyzed			01/03/2019	01/03/2019			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Benzo(a)anthracene	0.010	0.020	ND	ND			
Benzo(a)pyrene	0.010	0.020	ND	0.0835			
Benzo(b)fluoranthene	0.010	0.020	ND	0.0562			
Benzo(k)fluoranthene	0.010	0.020	ND	0.0357			
Chrysene	0.010	0.020	ND	ND			
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND			
Acenaphthene	0.010	0.020	ND	ND			
Acenaphthylene	0.010	0.020	ND	ND			
Anthracene	0.010	0.020	ND	ND			
Benzo(g,h,i)perylene	0.010	0.020	ND	ND			
Fluoranthene	0.010	0.020	ND	0.0338			
Fluorene	0.010	0.020	ND	ND			
Naphthalene	0.010	0.020	ND	ND			
Phenanthrene	0.010	0.020	ND	0.0123J			
Pyrene	0.010	0.020	ND	0.0360			
2-Methylnaphthalene	0.010	0.020	ND	ND			
Our Lab I.D.			Method Blank	95574.07			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
p-Terphenyl-D14	75-125		108	98.3			



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 010319IB1

Our Lab I.D.			95574.19				
Client Sample I.D.			PG-1-0.5				
Date Sampled			12/26/2018				
Date Prepared			01/03/2019				
Preparation Method			3550B				
Date Analyzed			01/03/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	MDL	PQL	Results				
Benzo(a)anthracene	0.020	0.040	ND				
Benzo(a)pyrene	0.020	0.040	0.0311J				
Benzo(b)fluoranthene	0.020	0.040	ND				
Benzo(k)fluoranthene	0.020	0.040	ND				
Chrysene	0.020	0.040	0.0344J				
Dibenzo(a,h)anthracene	0.020	0.040	ND				
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND				
Acenaphthene	0.020	0.040	ND				
Acenaphthylene	0.020	0.040	ND				
Anthracene	0.020	0.040	ND				
Benzo(g,h,i)perylene	0.020	0.040	ND				
Fluoranthene	0.020	0.040	ND				
Fluorene	0.020	0.040	ND				
Naphthalene	0.020	0.040	ND				
Phenanthrene	0.020	0.040	ND				
Pyrene	0.020	0.040	ND				
2-Methylnaphthalene	0.020	0.040	ND				
Our Lab I.D.			95574.19				
Surrogates	%Rec.Limit		% Rec.				
p-Terphenyl-D14	75-125		104				



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 010319IB1

Our Lab I.D.			95574.37				
Client Sample I.D.			PG-16-0.5				
Date Sampled			12/26/2018				
Date Prepared			01/03/2019				
Preparation Method			3550B				
Date Analyzed			01/03/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
Benzo(a)anthracene	0.010	0.020	ND				
Benzo(a)pyrene	0.010	0.020	ND				
Benzo(b)fluoranthene	0.010	0.020	ND				
Benzo(k)fluoranthene	0.010	0.020	ND				
Chrysene	0.010	0.020	ND				
Dibenzo(a,h)anthracene	0.010	0.020	ND				
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND				
Acenaphthene	0.010	0.020	ND				
Acenaphthylene	0.010	0.020	ND				
Anthracene	0.010	0.020	ND				
Benzo(g,h,i)perylene	0.010	0.020	ND				
Fluoranthene	0.010	0.020	ND				
Fluorene	0.010	0.020	ND				
Naphthalene	0.010	0.020	ND				
Phenanthrene	0.010	0.020	ND				
Pyrene	0.010	0.020	ND				
2-Methylnaphthalene	0.010	0.020	ND				
Our Lab I.D.			95574.37				
Surrogates	%Rec.Limit		% Rec.				
p-Terphenyl-D14	75-125		103				



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C1; Dup or Spiked Sample: 95574.01; LCS: Clean Sand; QC Prepared: 12/28/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	3.95	10.0	14.6	106	10.0	14.5	105	<1	80-120	<15

QC Batch No: 1228181C1; Dup or Spiked Sample: 95574.01; LCS: Clean Sand; QC Prepared: 12/28/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	8.59	85.9	10.0	9.12	91.2	6.0	80-120	<15	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C2; Dup or Spiked Sample: 95574.31; LCS: Clean Sand; QC Prepared: 12/28/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	3.91	10.0	12.7	87.9	10.0	12.7	87.9	<1	80-120	<15

QC Batch No: 1228181C2; Dup or Spiked Sample: 95574.31; LCS: Clean Sand; QC Prepared: 12/28/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	9.05	90.5	10.0	8.41	84.1	7.3	80-120	<15	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95574	12/27/2018	CONVRS

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 010319IB1; Dup or Spiked Sample: 95575.34; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzo(a)anthracene	0.00	0.0500	0.0525	105	0.0500	0.0505	101	3.9	75-125	<20
Benzo(a)pyrene	0.00	0.0500	0.0525	105	0.0500	0.0520	104	<1	75-125	<20
Naphthalene	0.00	0.500	0.446	89.2	0.500	0.438	87.6	1.8	75-125	<20
Surrogates										
p-Terphenyl-D14	0.00	0.400	0.428	107	0.400	0.412	103	3.8	75-125	<20

QC Batch No: 010319IB1; Dup or Spiked Sample: 95575.34; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzo(a)anthracene	0.0500	0.0545	109	0.0500	0.0525	105	3.7	75-125	<20	
Benzo(a)pyrene	0.0500	0.0530	106	0.0500	0.0510	102	3.8	75-125	<20	
Naphthalene	0.500	0.456	91.2	0.500	0.448	89.6	1.8	75-125	<20	
LCS										
Acenaphthene	0.500	0.500	100	0.500	0.477	95.4	4.7	75-125	<20	
Acenaphthylene	1.00	1.03	103	1.00	1.01	101	2.0	75-125	<20	
Anthracene	0.0500	0.0464	92.8	0.0500	0.0497	99.4	6.9	75-125	<20	
Benzo(b)fluoranthene	0.100	0.105	105	0.100	0.102	102	2.9	75-125	<20	
Benzo(g,h,i)perylene	0.100	0.102	102	0.100	0.100	100	2.0	75-125	<20	
Benzo(k)fluoranthene	0.0500	0.0520	104	0.0500	0.0500	100	3.9	75-125	<20	
Chrysene	0.0500	0.0515	103	0.0500	0.0497	99.4	3.6	75-125	<20	
Dibenzo(a,h)anthracene	0.100	0.101	101	0.100	0.0998	99.8	1.2	75-125	<20	
Fluoranthene	0.100	0.103	103	0.100	0.100	100	3.0	75-125	<20	
Fluorene	0.100	0.0995	99.5	0.100	0.0964	96.4	3.2	75-125	<20	
Indeno(1,2,3-cd)pyrene	0.0500	0.0550	110	0.0500	0.0545	109	<1	75-125	<20	
Phenanthrene	0.0500	0.0545	109	0.0500	0.0500	100	8.6	75-125	<20	
Pyrene	0.0500	0.0515	103	0.0500	0.0500	100	3.0	75-125	<20	
Surrogates										
p-Terphenyl-D14	0.400	0.424	106	0.400	0.416	104	1.9	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 11
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626)930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95575	12/27/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 13 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



9555

AETL JOB No.

Page 4 of 6

[illegible]

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CHAIN OF CUSTODY RECORD

110325

95575

AETL JOB No.

PROJECT MANAGER

COMPANY

COMPANY ADDRESS

PHONE

FAX

PROJECT NAME

PROJECT #

SITE NAME

AND

ADDRESS

PO #

AETL JOB No.

PROJECT MANAGER

Page 5 of 6

COMPANY				PROJECT MANAGER				ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS			
COMPANY ADDRESS				PHONE FAX				PROJECT #				TEST INSTRUCTIONS & COMMENTS			
PROJECT NAME				PROJECT #				TEST INSTRUCTIONS & COMMENTS				TEST INSTRUCTIONS & COMMENTS			
SITE NAME AND ADDRESS				PO #				TEST INSTRUCTIONS & COMMENTS				TEST INSTRUCTIONS & COMMENTS			
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.									
P6-12-0.5	95575.16	12/26/18	1:35	SOIL	1 SLEEVE	ICE									
P6-12-2.0	95575.17		1:36												
P6-12-3.0	95575.18		1:37												
P6-6-0.5	95575.19		1:50												
P6-6-2.0	95575.20		1:51												
P6-6-3.0	95575.21		1:52												
P6-7-0.5	95575.22		2:00												
P6-7-2.0	95575.23		2:07												
P6-7-3.0	95575.24		2:02												
P6-13-0.5	95575.25		2:15												
P6-13-2.0	95575.26		2:16												
P6-13-3.0	95575.27		2:17												
P6-19-0.5	95575.28		2:30												
P6-19-2.0	95575.29		2:31												
P6-19-3.0	95575.30		2:32												
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY							RELINQUISHED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
TOTAL NUMBER OF CONTAINERS 15							RELINQUISHED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
CUSTODY SEALS Y (N) NA							RELINQUISHED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
RECEIVED IN GOOD COND. (Y) N							RELINQUISHED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
TURN AROUND TIME							RECEIVED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
DATA DELIVERABLE REQUIRED							RECEIVED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
HARD COPY							RECEIVED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
PDF							RECEIVED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
GEOTRACKER (GLOBAL ID)							RECEIVED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								
OTHER (PLEASE SPECIFY)							RECEIVED BY: 1. Signature: [Signature] 2. Signature: [Signature] 3. Signature: [Signature]								

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



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CHAIN OF CUSTODY RECORD
110324

95575

AETL JOB No.

PROJECT MANAGER

CONVERSE

COMPANY ADDRESS

COMPANY ADDRESS
717 S. MYRTLE MONROVIA 91016

PHONE 626 930-1234
FAX

PROJECT NAME

PROJECT NAME	PROJECT #
McKinley Comp: Mod	18-4-233-02

SITE NAME

SITE NAME
AND
McKinty ES
PO #

ADDRESS

ADDRESS 7012 McKinley Av. UACA 90001

[illegible]

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	9	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

<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY
		<input type="checkbox"/> NEXT DAY
		<input type="checkbox"/> 2 DAYS
		<input type="checkbox"/> 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY

☐ PDF

☐ GEOTRACKER (GLOBAL ID)

☐ OTHER (PLEASE SPECIFY)

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

Page 6 of 8

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

RELINQUISHED BY:

Signature:

Printed Name: _____

Date: 7/29/18 Time: 1:00

RECEIVED BY
LABORATORY
Ag-1 3.

Signature: _____

Printed Name:

Date: 11/11/2019 Time: 11:11



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COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>95574, 95575</u>			
Date Received: <u>12/27/18</u>		Received by: <u>AL</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <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): <u>C</u>			
Inside temperature of shipping container No 1: <u>3.4</u> , No 2: <u>3.2</u> , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input 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, <u>HNO₃</u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na₂S₂O₃</u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified
1. Are the COCs Correct?	<u>X</u>		
2. Are the Sample labels legible?	<u>X</u>		
3. Do samples match the COC?	<u>X</u>		
4. Are the required analyses clear?	<u>X</u>		
5. Is there enough samples for required analysis?	<u>X</u>		
6. Are samples sealed with evidence tape?		<u>X</u>	
7. Are sample containers in good condition?	<u>X</u>		
8. Are samples preserved?	<u>X</u>		
9. Are samples preserved properly for the intended analysis?	<u>X</u>		
10. Are the VOAs free of headspace?	<u>NI</u>	<u>A</u>	
11. Are the jars free of headspace?	<u>I</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626) 930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95575	12/27/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 39 samples with the following specification on 12/27/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95575.01	PG-2-0.5	12/26/2018	Soil	1		
95575.04	PG-5-0.5	12/26/2018	Soil	1		
95575.10	PG-17-0.5	12/26/2018	Soil	1		
95575.13	PG-18-0.5	12/26/2018	Soil	1		
95575.16	PG-12-0.5	12/26/2018	Soil	1		
95575.19	PG-6-0.5	12/26/2018	Soil	1		
95575.22	PG-7-0.5	12/26/2018	Soil	1		
95575.25	PG-13-0.5	12/26/2018	Soil	1		
95575.31	PG-24-0.5	12/26/2018	Soil	1		
95575.37	PG-8-0.5	12/26/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6020) ^ AS		01/03/2019	2	Normal	mg/Kg
95575.02	PG-2-2.0	12/26/2018	Soil	1		
95575.03	PG-2-3.0	12/26/2018	Soil	1		
95575.05	PG-5-2.0	12/26/2018	Soil	1		
95575.06	PG-5-3.0	12/26/2018	Soil	1		
95575.08	PG-11-2.0	12/26/2018	Soil	1		
95575.09	PG-11-3.0	12/26/2018	Soil	1		
95575.11	PG-17-2.0	12/26/2018	Soil	1		
95575.12	PG-17-3.0	12/26/2018	Soil	1		
95575.14	PG-18-2.0	12/26/2018	Soil	1		
95575.15	PG-18-3.0	12/26/2018	Soil	1		
95575.17	PG-12-2.0	12/26/2018	Soil	1		
95575.18	PG-12-3.0	12/26/2018	Soil	1		
95575.20	PG-6-2.0	12/26/2018	Soil	1		

Continued



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Page: 1 B

Ordered By

Converse Consultants
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Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626) 930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95575	12/27/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

95575.21	PG-6-3.0	12/26/2018	Soil	1	
95575.23	PG-7-2.0	12/26/2018	Soil	1	
95575.24	PG-7-3.0	12/26/2018	Soil	1	
95575.26	PG-13-2.0	12/26/2018	Soil	1	
95575.27	PG-13-3.0	12/26/2018	Soil	1	
95575.29	PG-19-2.0	12/26/2018	Soil	1	
95575.30	PG-19-3.0	12/26/2018	Soil	1	
95575.32	PG-24-2.0	12/26/2018	Soil	1	
95575.33	PG-24-3.0	12/26/2018	Soil	1	
95575.35	PG-14-2.0	12/26/2018	Soil	1	
95575.36	PG-14-3.0	12/26/2018	Soil	1	
95575.38	PG-8-2.0	12/26/2018	Soil	1	
95575.39	PG-8-3.0	12/26/2018	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	ARCHIVE	01/03/2019	2	Normal	--
95575.07	PG-11-0.5	12/26/2018	Soil	1	
95575.34	PG-14-0.5	12/26/2018	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(6020) ^ AS	01/03/2019	2	Normal	mg/Kg
	(8310)	01/03/2019	2	Normal	mg/Kg
95575.28	PG-19-0.5	12/26/2018	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(6020) ^ AS	01/03/2019	2	Normal	mg/Kg
	(8082)	01/03/2019	2	Normal	ug/Kg
	(8310)	01/03/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C2

Our Lab I.D.			Method Blank	95575.01	95575.04	95575.07	95575.10
Client Sample I.D.				PG-2-0.5	PG-5-0.5	PG-11-0.5	PG-17-0.5
Date Sampled				12/26/2018	12/26/2018	12/26/2018	12/26/2018
Date Prepared			12/28/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	10.6	3.34	0.916	5.23



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 3

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C2

Our Lab I.D.		95575.13				
Client Sample I.D.		PG-18-0.5				
Date Sampled		12/26/2018				
Date Prepared		12/28/2018				
Preparation Method		3050B				
Date Analyzed		12/31/2018				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Arsenic	0.05	0.10	0.995			



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 4

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C3

Our Lab I.D.		Method Blank	95575.16	95575.19	95575.22	95575.25
Client Sample I.D.			PG-12-0.5	PG-6-0.5	PG-7-0.5	PG-13-0.5
Date Sampled			12/26/2018	12/26/2018	12/26/2018	12/26/2018
Date Prepared		12/28/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	2.58	2.87	15.6



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 5

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C3

Our Lab I.D.		95575.28	95575.31	95575.34	95575.37	
Client Sample I.D.		PG-19-0.5	PG-24-0.5	PG-14-0.5	PG-8-0.5	
Date Sampled		12/26/2018	12/26/2018	12/26/2018	12/26/2018	
Date Prepared		12/28/2018	12/28/2018	12/28/2018	12/28/2018	
Preparation Method		3050B	3050B	3050B	3050B	
Date Analyzed		12/31/2018	12/31/2018	12/31/2018	12/31/2018	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.05	0.10	1.37	0.768	0.650	1.01



American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 6

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.			Method Blank	95575.28			
Client Sample I.D.				PG-19-0.5			
Date Sampled				12/26/2018			
Date Prepared			01/02/2019	01/02/2019			
Preparation Method			3550B	3550B			
Date Analyzed			01/02/2019	01/02/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND			
Our Lab I.D.			Method Blank	95575.28			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		104	85.6			
Tetrachloro-m-xylene	30-150		118	90.0			



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Page: 7

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 010319IB1

Our Lab I.D.			Method Blank	95575.07	95575.28	95575.34	
Client Sample I.D.				PG-11-0.5	PG-19-0.5	PG-14-0.5	
Date Sampled				12/26/2018	12/26/2018	12/26/2018	
Date Prepared			01/03/2019	01/03/2019	01/03/2019	01/03/2019	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Benzo(a)anthracene	0.010	0.020	ND	ND	ND	ND	
Benzo(a)pyrene	0.010	0.020	ND	ND	ND	ND	
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND	ND	
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND	ND	
Chrysene	0.010	0.020	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND	ND	
Acenaphthene	0.010	0.020	ND	ND	ND	ND	
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	
Anthracene	0.010	0.020	ND	ND	ND	ND	
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND	ND	
Fluoranthene	0.010	0.020	ND	ND	ND	ND	
Fluorene	0.010	0.020	ND	ND	ND	ND	
Naphthalene	0.010	0.020	ND	ND	ND	ND	
Phenanthrene	0.010	0.020	ND	ND	ND	ND	
Pyrene	0.010	0.020	ND	ND	ND	ND	
2-Methylnaphthalene	0.010	0.020	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	95575.07	95575.28	95575.34	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
p-Terphenyl-D14	75-125		108	107	105	104	



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QUALITY CONTROL RESULTS

Ordered By

Converse Consultants
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Site

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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 8

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C2; Dup or Spiked Sample: 95574.31; LCS: Clean Sand; QC Prepared: 12/28/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	3.91	10.0	12.7	87.9	10.0	12.7	87.9	<1	80-120	<15

QC Batch No: 1228181C2; Dup or Spiked Sample: 95574.31; LCS: Clean Sand; QC Prepared: 12/28/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	9.05	90.5	10.0	8.41	84.1	7.3	80-120	<15	



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Page: 9

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 1228181C3; Dup or Spiked Sample: 95575.16; LCS: Clean Sand; QC Prepared: 12/28/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	2.58	10.0	13.7	111	10.0	13.6	110	<1	80-120	<15

QC Batch No: 1228181C3; Dup or Spiked Sample: 95575.16; LCS: Clean Sand; QC Prepared: 12/28/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	10.9	109	10.0	10.5	105	3.7	80-120	<15	



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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 10

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	478	95.6	500	429	85.8	10.8	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	396	79.2	500	307	61.4	25.3	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.6	98.4	25.0	17.9	71.6	31.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	28.0	112	25.0	26.0	104	7.4	30-150	<40

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	457	91.4	50-150						
Aroclor-1260 (PCB-1260)	500	387	77.4	50-150						
Surrogates										
Decachlorobiphenyl	25.0	26.0	104	30-150						
Tetrachloro-m-xylene	25.0	26.8	107	30-150						



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Page: 11

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 010319IB1; Dup or Spiked Sample: 95575.34; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzo(a)anthracene	0.00	0.0500	0.0525	105	0.0500	0.0505	101	3.9	75-125	<20
Benzo(a)pyrene	0.00	0.0500	0.0525	105	0.0500	0.0520	104	<1	75-125	<20
Naphthalene	0.00	0.500	0.446	89.2	0.500	0.438	87.6	1.8	75-125	<20
Surrogates										
p-Terphenyl-D14	0.00	0.400	0.428	107	0.400	0.412	103	3.8	75-125	<20

QC Batch No: 010319IB1; Dup or Spiked Sample: 95575.34; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzo(a)anthracene	0.0500	0.0545	109	0.0500	0.0525	105	3.7	75-125	<20	
Benzo(a)pyrene	0.0500	0.0530	106	0.0500	0.0510	102	3.8	75-125	<20	
Naphthalene	0.500	0.456	91.2	0.500	0.448	89.6	1.8	75-125	<20	
LCS										
Acenaphthene	0.500	0.500	100	0.500	0.477	95.4	4.7	75-125	<20	
Acenaphthylene	1.00	1.03	103	1.00	1.01	101	2.0	75-125	<20	
Anthracene	0.0500	0.0464	92.8	0.0500	0.0497	99.4	6.9	75-125	<20	
Benzo(b)fluoranthene	0.100	0.105	105	0.100	0.102	102	2.9	75-125	<20	
Benzo(g,h,i)perylene	0.100	0.102	102	0.100	0.100	100	2.0	75-125	<20	
Benzo(k)fluoranthene	0.0500	0.0520	104	0.0500	0.0500	100	3.9	75-125	<20	
Chrysene	0.0500	0.0515	103	0.0500	0.0497	99.4	3.6	75-125	<20	
Dibenzo(a,h)anthracene	0.100	0.101	101	0.100	0.0998	99.8	1.2	75-125	<20	
Fluoranthene	0.100	0.103	103	0.100	0.100	100	3.0	75-125	<20	
Fluorene	0.100	0.0995	99.5	0.100	0.0964	96.4	3.2	75-125	<20	
Indeno(1,2,3-cd)pyrene	0.0500	0.0550	110	0.0500	0.0545	109	<1	75-125	<20	
Phenanthrene	0.0500	0.0545	109	0.0500	0.0500	100	8.6	75-125	<20	
Pyrene	0.0500	0.0515	103	0.0500	0.0500	100	3.0	75-125	<20	
Surrogates										
p-Terphenyl-D14	0.400	0.424	106	0.400	0.416	104	1.9	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

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717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 3

Date Received 12/27/2018

Date Reported 01/14/2019

Telephone: (626)930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95575	12/27/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 2 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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CHAIN OF CUSTODY RECORD

110322

95575

AETL JOB No.

PROJECT MANAGER

COMPANY CONVERSE

COMPANY ADDRESS

717 S. MYRTLE AVE. MONROVIA 91016 PHONE 626 930-1234

FAX

PROJECT NAME

McKinley Comp Mod PROJECT # 18-A1-233-02

SITE NAME

McKinley PZ

AND ADDRESS

7912 McKinley AVE CA 90001 PO #

Page 4 of 6

PROJECT MANAGER JRZ

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED	TEST INSTRUCTIONS & COMMENTS
1 PG-2-0.5	95575.01	12/26/18	12:10	SOIL	15 LITRE	ICE	X	EPA 6020 A
2 PG-2-2.0	95575.02		12:11					EPA 6020 A
3 PG-2-3.0	95575.03		12:12					
4 PG-5-0.5	95575.04		12:30				X	
5 PG-5-2.0	95575.05		12:31					
6 PG-5-3.0	95575.06		12:32					
7 PG-11-0.5	95575.07		12:40				X	
8 PG-11-2.0	95575.08		12:41					
9 PG-11-3.0	95575.09		12:42				X	
10 PG-17-0.5	95575.10		1:00				X	
11 PG-17-2.0	95575.11		1:01					
12 PG-17-3.0	95575.12		1:02					
13 PG-18-0.5	95575.13		1:10				X	
14 PG-18-2.0	95575.14		1:17					
15 PG-18-3.0	95575.15		1:22					

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			
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS
DATA DELIVERABLE REQUIRED			
<input type="checkbox"/> HARD COPY			
<input type="checkbox"/> PDF			
<input type="checkbox"/> GEOTRACKER (GLOBAL ID)			
<input type="checkbox"/> OTHER (PLEASE SPECIFY)			
RELINQUISHED BY: 1. Signature: <u>JOHN ZIEGLER</u> Printed Name: <u>JOHN ZIEGLER</u> Date: <u>12/27/18</u> Time: <u>11:39</u>			
RELINQUISHED BY: 2. Signature: <u>[Signature]</u> Printed Name: <u>[Name]</u> Date: <u>12/27/18</u> Time: <u>12:30</u>			
RECEIVED BY: 1. Signature: <u>[Signature]</u> Printed Name: <u>[Name]</u> Date: <u>12/27/18</u> Time: <u>12:30</u>			
RECEIVED BY: 2. Signature: <u>[Signature]</u> Printed Name: <u>[Name]</u> Date: <u>12/27/18</u> Time: <u>12:30</u>			
RECEIVED BY: 3. Signature: <u>[Signature]</u> Printed Name: <u>[Name]</u> Date: <u>12/27/18</u> Time: <u>12:30</u>			

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



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CHAIN OF CUSTODY RECORD

110325

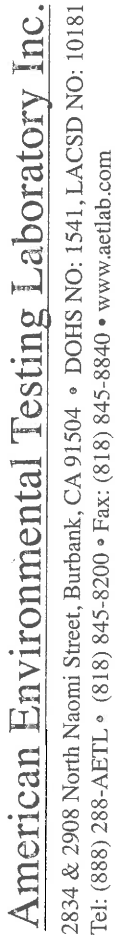
95575

AETL JOB No.

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COMPANY				PROJECT MANAGER				ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS			
COMPANY ADDRESS				PHONE FAX				PROJECT #				TEST INSTRUCTIONS & COMMENTS			
PROJECT NAME				PROJECT #				TEST INSTRUCTIONS & COMMENTS				TEST INSTRUCTIONS & COMMENTS			
SITE NAME AND ADDRESS				PO #				TEST INSTRUCTIONS & COMMENTS				TEST INSTRUCTIONS & COMMENTS			
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED	ANALYSIS REQUESTED	ANALYSIS REQUESTED	ANALYSIS REQUESTED	ANALYSIS REQUESTED	ANALYSIS REQUESTED	ANALYSIS REQUESTED	ANALYSIS REQUESTED	ANALYSIS REQUESTED
P6-12-0.5	95575.16	12/26/18	1:35	SOIL	1 SLEEVE	ICE	CPAC020A	CPAC020A	CPAC020A	CPAC020A	CPAC020A	CPAC020A	CPAC020A	CPAC020A	CPAC020A
P6-12-2.0	95575.17	12/26/18	1:36												
P6-12-3.0	95575.18	12/26/18	1:37												
P6-6-0.5	95575.19	12/26/18	1:50												
P6-6-2.0	95575.20	12/26/18	1:51												
P6-6-3.0	95575.21	12/26/18	1:52												
P6-7-0.5	95575.22	12/26/18	2:00												
P6-7-2.0	95575.23	12/26/18	2:07												
P6-7-3.0	95575.24	12/26/18	2:02												
P6-13-0.5	95575.25	12/26/18	2:15												
P6-13-2.0	95575.26	12/26/18	2:16												
P6-13-3.0	95575.27	12/26/18	2:17												
P6-19-0.5	95575.28	12/26/18	2:30												
P6-19-2.0	95575.29	12/26/18	2:31												
P6-19-3.0	95575.30	12/26/18	2:32												
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY															
TOTAL NUMBER OF CONTAINERS				PROPERLY COOLED (Y/N/NA)				RELINQUISHED BY: 1.				RELINQUISHED BY: 2.			
CUSTODY SEALS Y (N)/NA				SAMPLES INTACT (Y/N/NA)				Signature: [Signature]				Signature: [Signature]			
RECEIVED IN GOOD COND. (Y/N)				SAMPLES ACCEPTED (Y/N)				Printed Name: [Signature]				Printed Name: [Signature]			
TURN AROUND TIME				DATA DELIVERABLE REQUIRED				Date: 12/27/18				Date: 12/27/18			
NORMAL <input type="checkbox"/> RUSH <input type="checkbox"/>				HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/>				RECEIVED BY: 1.				RECEIVED BY: 2.			
SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/>				GEOTRACKER (GLOBAL ID) <input type="checkbox"/>				Signature: [Signature]				Signature: [Signature]			
2 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/>				OTHER (PLEASE SPECIFY) <input type="checkbox"/>				Printed Name: [Signature]				Printed Name: [Signature]			
								Date: 12/27/18				Date: 12/27/18			

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



95575

Page 6 of 6

COMPANY CONVERSE		PROJECT MANAGER Jrz		AETL JOB No. 95515		
COMPANY ADDRESS 717 S. MYRTLE, MONROVIA 9106		PHONE 626 930-1734		TEST INSTRUCTIONS & COMMENTS 		
PROJECT NAME Mckinley Camp Mod		PROJECT # 18-A1233-OP				
SITE NAME AND ADDRESS Mckinley ES 7012 McKinley Av LACA 90001		PO #				
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 P6-24-0.5	95575.31	12/26/18	2:45	SOIL	14000	ICE
2 P6-24-2.0	95575.32		2:46			
3 P6-24-3.0	95575.33		2:47			
4 P6-14-0.5	95575.34		2:55			
5 P6-14-2.0	95575.35		2:56			
6 P6-14-3.0	95575.36		3:06			
7 P6-8-0.5	95575.37		3:07			
8 P6-8-2.0	95575.38		3:08			
9 P6-8-3.0	95575.39					
10						
11						
12						
13						
14						
15						
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY						
TOTAL NUMBER OF CONTAINERS	9	PROPERLY COOLED	(Y) / N / NA	RELINQUISHED BY SAMPLER:	J D	RELINQUISHED BY: 2
CUSTODY SEALS	Y (N) / NA	SAMPLES INTACT	(Y) / N / NA	Signature:		Signature:
RECEIVED IN GOOD COND.	(Y) N	SAMPLES ACCEPTED	(Y) N	Printed Name:	JAN ZIEGLER	Printed Name:
TURN AROUND TIME				Date:	12/27/18 1130	Date: 12/27/18 Time: 1230
NORMAL	<input type="checkbox"/> RUSH	SAME DAY	<input type="checkbox"/>	RECEIVED BY:		RECEIVED BY: 2
HARD COPY	<input type="checkbox"/>	PDF	<input type="checkbox"/>	Signature:		Signature:
GEOTRACKER (GLOBAL ID)	<input type="checkbox"/>	OTHER (PLEASE SPECIFY)		Printed Name:		Printed Name:
DATE	12/27/18	Time:	1130	Date:	12/27/18	Date: 12/27/18 Time: 1230
DISTRIBUTION:	WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator					

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

JIM LIN

From: John R. Ziegler [JZiegler@ConverseConsultants.com]
Sent: Tuesday, January 8, 2019 12:01 PM
To: JIM LIN
Subject: RE: Summary Table & PDF results of analysis of samples from project "McKinley Elementary School, Los Angeles, CA"

Jim,

Can you please run the following samples for arsenic:

PG-1-2.0 (95574.20)
PG-1-3.0 (95574.21)
PG-3-2.0 (95574.22)
PG-3-3.0 (95574.23)
PG-13-2.0 (95575-26)
PG-13-3.0 (95575-27)

Also please run an STLC for PG-1-0.5 (95574.19) for STLC for arsenic.

I need the results no later than Thursday afternoon January 10, 2019.

Thanks.

John Ziegler
Senior Professional
CONVERSE CONSULTANTS
717 SOUTH MYRTLE AVENUE
MONROVIA CA 91016
(626) 930-1234 (Office)
(626) 807-3426 (Cell)

jziegler@converseconsultants.com

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From: JIM LIN <jiml@aetlab.com>
Sent: Tuesday, January 8, 2019 9:52 AM
To: John R. Ziegler <JZiegler@ConverseConsultants.com>
Subject: Summary Table & PDF results of analysis of samples from project "McKinley Elementary School, Los Angeles, CA"

Dear John,

Herewith please find Summary Table & PDF results of analysis of samples from project "McKinley Elementary School, 7812 S McKinley Ave, Los Angeles, CA"



American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626) 930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95575	12/27/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 39 samples with the following specification on 12/27/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95575.01	PG-2-0.5	12/26/2018	Soil	1		
95575.04	PG-5-0.5	12/26/2018	Soil	1		
95575.10	PG-17-0.5	12/26/2018	Soil	1		
95575.13	PG-18-0.5	12/26/2018	Soil	1		
95575.16	PG-12-0.5	12/26/2018	Soil	1		
95575.19	PG-6-0.5	12/26/2018	Soil	1		
95575.22	PG-7-0.5	12/26/2018	Soil	1		
95575.25	PG-13-0.5	12/26/2018	Soil	1		
95575.26	PG-13-2.0	12/26/2018	Soil	1		
95575.27	PG-13-3.0	12/26/2018	Soil	1		
95575.31	PG-24-0.5	12/26/2018	Soil	1		
95575.37	PG-8-0.5	12/26/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6020) ^ AS		01/03/2019	2	Normal	mg/Kg
95575.02	PG-2-2.0	12/26/2018	Soil	1		
95575.03	PG-2-3.0	12/26/2018	Soil	1		
95575.05	PG-5-2.0	12/26/2018	Soil	1		
95575.06	PG-5-3.0	12/26/2018	Soil	1		
95575.08	PG-11-2.0	12/26/2018	Soil	1		
95575.09	PG-11-3.0	12/26/2018	Soil	1		
95575.11	PG-17-2.0	12/26/2018	Soil	1		
95575.12	PG-17-3.0	12/26/2018	Soil	1		
95575.14	PG-18-2.0	12/26/2018	Soil	1		
95575.15	PG-18-3.0	12/26/2018	Soil	1		
95575.17	PG-12-2.0	12/26/2018	Soil	1		

Continued



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Page: 1 B

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/27/2018
Date Reported 01/07/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95575	12/27/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

95575.18	PG-12-3.0	12/26/2018	Soil	1		
95575.20	PG-6-2.0	12/26/2018	Soil	1		
95575.21	PG-6-3.0	12/26/2018	Soil	1		
95575.23	PG-7-2.0	12/26/2018	Soil	1		
95575.24	PG-7-3.0	12/26/2018	Soil	1		
95575.29	PG-19-2.0	12/26/2018	Soil	1		
95575.30	PG-19-3.0	12/26/2018	Soil	1		
95575.32	PG-24-2.0	12/26/2018	Soil	1		
95575.33	PG-24-3.0	12/26/2018	Soil	1		
95575.35	PG-14-2.0	12/26/2018	Soil	1		
95575.36	PG-14-3.0	12/26/2018	Soil	1		
95575.38	PG-8-2.0	12/26/2018	Soil	1		
95575.39	PG-8-3.0	12/26/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	ARCHIVE		01/03/2019	2	Normal	--
95575.07	PG-11-0.5	12/26/2018	Soil	1		
95575.34	PG-14-0.5	12/26/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6020) ^ AS		01/03/2019	2	Normal	mg/Kg
	(8310)		01/03/2019	2	Normal	mg/Kg
95575.28	PG-19-0.5	12/26/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6020) ^ AS		01/03/2019	2	Normal	mg/Kg
	(8082)		01/03/2019	2	Normal	ug/Kg
	(8310)		01/03/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0109191C2

Our Lab I.D.		Method Blank	95575.26	95575.27		
Client Sample I.D.			PG-13-2.0	PG-13-3.0		
Date Sampled			12/26/2018	12/26/2018		
Date Prepared		01/09/2019	01/09/2019	01/09/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		01/10/2019	01/10/2019	01/10/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Arsenic	0.05	0.10	ND	8.34	0.695	



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QUALITY CONTROL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 3

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95575	12/27/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0109191C2; Dup or Spiked Sample: 95574.20; LCS: Clean Sand; QC Prepared: 01/09/2019; QC Analyzed: 01/10/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	1.07	10.0	11.2	101	10.0	10.6	95.3	5.8	80-120	<15

QC Batch No: 0109191C2; Dup or Spiked Sample: 95574.20; LCS: Clean Sand; QC Prepared: 01/09/2019; QC Analyzed: 01/10/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	10.6	106	10.0	9.93	99.3	6.5	80-120	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 14
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626)930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95590	12/28/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 S. McKinley
Los Angeles, CA 90001

Enclosed please find results of analyses of 10 discrete and 3 composite soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



CHAIN OF CUSTODY RECORD
110332

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95590

AETL JOB No.

Page 1 of 3[illegible]

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CHAIN OF CUSTODY RECORD

110331

95590

AETL JOB No.

Page 2 of 3

COMPANY		PROJECT MANAGER		PHONE		FAX		PROJECT #		PO #						
CONVERSE		JZZ		626 930-1234				18-41-232-02								
COMPANY ADDRESS		717 S. MYRTLE AVE. MONROVIA 91016														
PROJECT NAME		McKinley ES COMP MOD														
SITE NAME AND ADDRESS		McKinley ES														
7012 McKinley, LA CA 90001																
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED					TEST INSTRUCTIONS & COMMENTS				
56-E1-0.5	95590.13	12/21/18	1:30	SOIL	1 sleeve		X	EPA 6020 A	X	EPA 6020 B	X	EPA 8092 Pkg		HOLD 20 & 3.0 ROOT SAMPLES		
56-E1-2.0	95590.14		1:31													
56-E1-3.0	95590.15		1:32													
56-W1-0.5	95590.16		1:05				X							COMP GROUP 5.1		
56-W1-2.0	95590.17		1:06													
56-W1-3.0	95590.18		1:07													
55-E1-0.5	95590.19		1:01				X							comp group 5.1		
55-E1-2.0	95590.20		1:02													
55-E1-3.0	95590.21		1:03													
55-W1-0.5	95590.22	12/28/18	11:40		1 Jar		X							Comp group 5.2		
55-W1-2.0	95590.23		11:41													
55-W1-3.0	95590.24		11:42													
55-W2-0.5	95590.25	12/27/18	12:30		1 Sleeve		X							Comp group 4.2		
55-W2-2.0	95590.26		12:32													
55-W2-3.0	95590.27		12:31													
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY																
TOTAL NUMBER OF CONTAINERS		15		PROPERLY COOLED Y/N / NA				RELINQUISHED BY SAMPLER:		1. RELINQUISHED BY:		2. RELINQUISHED BY:		3. RELINQUISHED BY:		
CUSTODY SEALS Y/N / NA				SAMPLES INTACT Y/N / NA				Signature:		Signature:		Signature:		Signature:		
RECEIVED IN GOOD COND. Y/N				SAMPLES ACCEPTED Y/N				Printed Name:		Printed Name:		Printed Name:		Printed Name:		
								Date: 12/29/18		Date: 12/29/18		Date: 12/29/18		Date: 12/29/18		
								Time: 4:50		Time: 4:50		Time: 4:50		Time: 4:50		
								RECEIVED BY:		RECEIVED BY:		RECEIVED BY:		RECEIVED BY:		
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CHAIN OF CUSTODY RECORD

110335

95590

AETL JOB No.

Page 3 of 3

COMPANY CONVERSE		PROJECT MANAGER JR2				
COMPANY ADDRESS 717 S. MYRTLEA MONROIA 91016		PHONE 626 930-1234 FAX				
PROJECT NAME McKinley Comp Mod		PROJECT # 18-41-233-02				
SITE NAME AND ADDRESS McKinley ES 7012 McKinley AVE. LA CA 90001		PO #				
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 55-N2-05	95590.28	12-28-18	10:23	SOIL	1 JAR	
2 55-N2-20	95590.29		10:24			
3 55-N2-30	95590.30		10:25			
4						
5						
6 COMP 4.2-0.99	5590.31					
7 COMP 5.1-0.59	5590.32					
8 COMP 5.2-0.99	5590.33					
9						
10						
11						
12						
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY		RELINQUISHED BY SAMPLER:		RELINQUISHED BY:		RELINQUISHED BY:	
TOTAL NUMBER OF CONTAINERS	6	PROPERLY COOLED	Y/N/NA	Signature:	Signature:	Signature:	Signature:
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	Y/N/NA	Printed Name:	Printed Name:	Printed Name:	Printed Name:
RECEIVED IN GOOD COND.	Y/N	SAMPLES ACCEPTED	Y/N	Date:	Date:	Date:	Date:
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		RECEIVED BY:	
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	Signature:	Signature:	Signature:	Signature:
		<input type="checkbox"/> 2-DAYS	<input type="checkbox"/> 3-DAYS	Printed Name:	Printed Name:	Printed Name:	Printed Name:
				Date:	Date:	Date:	Date:

TEST INSTRUCTIONS & COMMENTS	
HOLD 2.0 & 3.0 FOOT SAMPLES	
Comp group 5.2	

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



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COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>95590, 95591</u>			
Date Received: <u>12/28/18</u>		Received by: <u>Ant</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 checked="" type="checkbox"/> Cooler (<u>2</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3</u> , No 2: <u>3.3</u> , 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): <u>sleeves</u>			
How are samples preserved: <input type="checkbox"/> None, <input type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <u>HNO₃</u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na₂S₂O₃</u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>X</u>		
2. Are the Sample labels legible?	<u>X</u>		
3. Do samples match the COC?	<u>X</u>		
4. Are the required analyses clear?	<u>X</u>		
5. Is there enough samples for required analysis?	<u>X</u>		
6. Are samples sealed with evidence tape?		<u>X</u>	
7. Are sample containers in good condition?	<u>X</u>		
8. Are samples preserved?	<u>X</u>		
9. Are samples preserved properly for the intended analysis?	<u>X</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>X</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95590	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 33 samples with the following specification on 12/28/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95590.01	S5-S2-0.5	10/27/2018	Soil	1		
95590.07	S4-E1-0.2	12/27/2018	Soil	1		
95590.11	S4-S3-2.0	12/27/2018	Soil	1		
95590.16	S6-W1-0.5	12/27/2018	Soil	1		
95590.19	S5-E1-0.5	12/27/2018	Soil	1		
95590.22	S5-W1-0.5	12/28/2018	Soil	1		
95590.25	S5-W2-0.5	12/27/2018	Soil	1		
95590.28	S5-N2-0.5	12/28/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		01/04/2019	2	Normal	mg/Kg
	(6020) ^ AS		01/04/2019	2	Normal	mg/Kg
95590.02	S5-S2-2.0	10/27/2018	Soil	1		
95590.03	S5-S2-3.0	10/27/2018	Soil	1		
95590.05	S5-S1-2.0	10/28/2018	Soil	1		
95590.06	S5-S1-3.0	10/28/2018	Soil	1		
95590.08	S4-E1-2.0	12/27/2018	Soil	1		
95590.09	S4-E1-3.0	12/27/2018	Soil	1		
95590.10	S4-S3-0.5	12/27/2018	Soil	1		
95590.12	S4-S3-3.0	12/27/2018	Soil	1		
95590.14	S6-E1-2.0	12/27/2018	Soil	1		
95590.15	S6-E1-3.0	12/27/2018	Soil	1		
95590.17	S6-W1-2.0	12/27/2018	Soil	1		
95590.18	S6-W1-3.0	12/27/2018	Soil	1		
95590.20	S5-E1-2.0	12/27/2018	Soil	1		
95590.21	S5-E1-3.0	12/27/2018	Soil	1		

Continued



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Page: 1 B

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95590	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

95590.23	S5-W1-2.0	12/28/2018	Soil	1	
95590.24	S5-W1-3.0	12/28/2018	Soil	1	
95590.26	S5-W2-2.0	12/27/2018	Soil	1	
95590.27	S5-W2-3.0	12/27/2018	Soil	1	
95590.29	S5-N2-2.0	12/28/2018	Soil	1	
95590.30	S5-N2-3.0	12/28/2018	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	ARCHIVE	01/04/2019	2	Normal	--
95590.04	S5-S1-0.5	10/28/2018	Soil	1	
95590.13	S6-E1-0.5	12/27/2018	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(6010B.LEAD)	01/04/2019	2	Normal	mg/Kg
	(6020) ^ AS	01/04/2019	2	Normal	mg/Kg
	(8082)	01/04/2019	2	Normal	ug/Kg
95590.31	COMP4.2-0.5	12/27/2018	Soil	1	
95590.32	COMP5.1-0.5	12/27/2018	Soil	1	
95590.33	COMP5.2-0.5	12/27/2018	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(8081A)	01/03/2019	4	Rush	ug/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 S. McKinley
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1

Our Lab I.D.			Method Blank	95590.31	95590.32	95590.33	
Client Sample I.D.				COMP4.2-0.5	COMP5.1-0.5	COMP5.2-0.5	
Date Sampled				12/27/2018	12/27/2018	12/27/2018	
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			01/02/2019	01/02/2019	01/02/2019	01/02/2019	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aldrin	1.0	2.0	ND	ND	ND	ND	
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	
Dieldrin	1.0	2.0	ND	ND	ND	ND	
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	ND	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	
Heptachlor	1.0	2.0	ND	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	ND	
Toxaphene	25.0	50.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

Page: 3

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	95590.31	95590.32	95590.33	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150		108	76.0	86.0	82.8	
Tetrachloro-m-xylene	30-150		138	109	116	102	



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 S. McKinley
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 4

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.			Method Blank	95590.04	95590.13		
Client Sample I.D.				S5-S1-0.5	S6-E1-0.5		
Date Sampled				10/28/2018	12/27/2018		
Date Prepared			01/02/2019	01/02/2019	01/02/2019		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			01/02/2019	01/02/2019	01/02/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND	ND		
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND	ND		
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND	ND		
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND	ND		
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND	ND		
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND	ND		
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND	ND		
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND	ND		
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND	ND		
Our Lab I.D.			Method Blank	95590.04	95590.13		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		104	99.2	91.2		
Tetrachloro-m-xylene	30-150		118	101	96.8		



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ANALYTICAL RESULTS

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Attn: John Ziegler

Page: 5

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C9

Our Lab I.D.			Method Blank	95590.01	95590.04	95590.07	95590.11
Client Sample I.D.				S5-S2-0.5	S5-S1-0.5	S4-E1-0.2	S4-S3-2.0
Date Sampled				10/27/2018	10/28/2018	12/27/2018	12/27/2018
Date Prepared			01/02/2018	01/02/2018	01/02/2018	01/02/2018	01/02/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	8.32	5.77	ND	ND



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
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Monrovia, CA 91016-

Site

McKinley ES
7812 S. McKinley
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 6

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C9

Our Lab I.D.			95590.13	95590.16	95590.19	95590.22	95590.25
Client Sample I.D.			S6-E1-0.5	S6-W1-0.5	S5-E1-0.5	S5-W1-0.5	S5-W2-0.5
Date Sampled			12/27/2018	12/27/2018	12/27/2018	12/28/2018	12/27/2018
Date Prepared			01/02/2018	01/02/2018	01/02/2018	01/02/2018	01/02/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	2.88J	9.50	ND	7.92



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 S. McKinley
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 7

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C9

Our Lab I.D.		95590.28				
Client Sample I.D.		S5-N2-0.5				
Date Sampled		12/28/2018				
Date Prepared		01/02/2018				
Preparation Method		3050B				
Date Analyzed		01/03/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Lead	2.5	5.0	5.00			



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Telephone: (626)930-1200

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Page: 8

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C1

Our Lab I.D.			Method Blank	95590.01	95590.04	95590.07	95590.11
Client Sample I.D.				S5-S2-0.5	S5-S1-0.5	S4-E1-0.2	S4-S3-2.0
Date Sampled				10/27/2018	10/28/2018	12/27/2018	12/27/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	1.30	1.04	1.00	0.936



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Attn: John Ziegler

Page: 9

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C1

Our Lab I.D.			95590.13	95590.16	95590.19	95590.22	95590.25
Client Sample I.D.			S6-E1-0.5	S6-W1-0.5	S5-E1-0.5	S5-W1-0.5	S5-W2-0.5
Date Sampled			12/27/2018	12/27/2018	12/27/2018	12/28/2018	12/27/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	1.09	0.824	0.978	0.983	1.50



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Attn: John Ziegler

Page: 10

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C1

Our Lab I.D.		95590.28				
Client Sample I.D.		S5-N2-0.5				
Date Sampled		12/28/2018				
Date Prepared		01/02/2019				
Preparation Method		3050B				
Date Analyzed		01/03/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Arsenic	0.05	0.10	0.760			



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Attn: John Ziegler

Page: 11

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C9; Dup or Spiked Sample: 95590.01; LCS: Clean Sand; QC Prepared: 01/02/2018; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	8.32	50.0	45.9	75.2	50.0	46.2	75.8	<1	75-125	<15

QC Batch No: 0102182C9; Dup or Spiked Sample: 95590.01; LCS: Clean Sand; QC Prepared: 01/02/2018; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	48.9	97.8	50.0	49.3	98.6	<1	75-125	<15	



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Attn: John Ziegler

Page: 12

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C1; Dup or Spiked Sample: 95590.01; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	1.30	10.0	10.8	95.0	10.0	11.4	101	6.12	80-120	<15

QC Batch No: 0102191C1; Dup or Spiked Sample: 95590.01; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	9.87	98.7	10.0	9.64	96.4	2.36	80-120	<15	



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Telephone: (626)930-1200

Attn: John Ziegler

Page: 13

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	18.4	92.0	20.0	18.5	92.5	<1	40-150	<40
4,4'-DDT (DDT)	1.96	50.0	42.1	80.3	50.0	44.7	85.5	6.3	40-150	<40
Dieldrin	0.276	50.0	47.7	94.8	50.0	48.1	95.6	<1	40-150	<40
Endrin	0.00	50.0	65.0	130	50.0	65.5	131	<1	40-150	<40
Heptachlor	0.00	20.0	19.1	95.5	20.0	19.4	97.0	1.6	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.4	97.0	20.0	18.6	93.0	4.2	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	25.0	100	25.0	27.5	110	9.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	34.3	137	25.0	35.3	141	2.9	30-150	<40

QC Batch No: 010219EB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aldrin	20.0	14.9	74.5	20.0	16.1	80.5	7.7	50-150	<40	
4,4'-DDT (DDT)	50.0	29.9	59.8	50.0	30.0	60.0	<1	50-150	<40	
Dieldrin	50.0	39.7	79.4	50.0	42.4	84.8	6.6	50-150	<40	
Endrin	50.0	51.5	103	50.0	53.5	107	3.8	50-150	<40	
Heptachlor	20.0	15.7	78.5	20.0	16.3	81.5	3.8	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.7	83.5	20.0	17.3	86.5	3.5	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	20.7	82.8	25.0	20.6	82.4	<1	30-150	<40	
Tetrachloro-m-xylene	25.0	29.0	116	25.0	30.0	120	3.4	30-150	<40	



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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 14

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95590	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	478	95.6	500	429	85.8	10.8	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	396	79.2	500	307	61.4	25.3	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.6	98.4	25.0	17.9	71.6	31.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	28.0	112	25.0	26.0	104	7.4	30-150	<40

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	457	91.4	50-150						
Aroclor-1260 (PCB-1260)	500	387	77.4	50-150						
Surrogates										
Decachlorobiphenyl	25.0	26.0	104	30-150						
Tetrachloro-m-xylene	25.0	26.8	107	30-150						



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 23

Date Received 12/28/2018

Date Reported 01/04/2019

Telephone: (626)930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95591	12/28/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 17 discrete and 5 composite soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



CHAIN OF CUSTODY RECORD
110336

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COMPANY
CONVERSE

PROJECT MANAGER
JDC

COMPANY ADDRESS
717 S. MYRTLE, MONROVIA 91016

PHONE 626 930-1234
FAX

PROJECT NAME
Mckinley Comp Mod

PROJECT #
18-41-233-02

SITE NAME AND ADDRESS
Mckinley ES
7912 Mckinley Av. LA CA 90001

PO #

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

HOLD 2.0 & 3.0
FOOT SAMPLES

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

HOLD 2.0 & 3.0
FOOT SAMPLES

COMP GROUP 2.1

COMP GROUP 2.2

COMP GROUP 2.2

COMP GROUP 2.2

COMP GROUP 2.1

COMP GROUP 2.1

COMP GROUP 2.2

COMP GROUP 2.2

COMP GROUP 2.2

COMP GROUP 2.1

RELINQUISHED BY: 1.

RELINQUISHED BY: 2.

RELINQUISHED BY: 3.

RELINQUISHED BY: 1.

RELINQUISHED BY: 2.

RELINQUISHED BY: 3.

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS
15

CUSTODY SEALS Y/N/NA
Y/N/NA

RECEIVED IN GOOD COND. Y/N
Y/N

PROPERLY COOLED Y/N/NA
Y/N/NA

SAMPLES INTACT Y/N/NA
Y/N/NA

SAMPLES ACCEPTED Y/N
Y/N

TURN AROUND TIME

NORMAL ☒ RUSH ☐

SAME DAY
NEXT DAY
2 DAYS
3 DAYS

SAMPLE TRACKER (GLOBAL ID)
OTHER (PLEASE SPECIFY)

DATA DELIVERABLE REQUIRED

HARD COPY
PDF
GEOTRACKER (GLOBAL ID)
OTHER (PLEASE SPECIFY)

DATA DELIVERABLE REQUIRED

HARD COPY
PDF
GEOTRACKER (GLOBAL ID)
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CHAIN OF CUSTODY RECORD

110337

95591

AETL JOB No.

Page 2 of 4

COMPANY		PROJECT MANAGER		PHONE		FAX		PROJECT #		PO #	
CONVERSE		JRZ		626 970-1734				18-41-733-02			
COMPANY ADDRESS		717 S. MYRTLE AV, MONROVIA 91016									
PROJECT NAME		McKinley Comp Mod									
SITE NAME AND ADDRESS		McKinley ES									
7012 McKinley AV, LA CA 90029-9001											
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.					
52-W2-05	95591-16	12/29/18	12:10	SOIL	1 JAR						
52-W2-20	95591-17		12:11								
52-W2-30	95591-18		12:12								
53-W1-05	95591-19	12/28/18	12:20								
53-W1-20	95591-20		12:21								
53-W1-30	95591-21		12:22								
53-W2-05	95591-22		12:20								
53-W2-20	95591-23		12:31								
53-W2-30	95591-24		12:32								
53-E1-05	95591-25		9:50								
53-E1-20	95591-26		9:55								
53-E1-30	95591-27		9:59								
53-E2-05	95591-28		7:45								
53-E2-20	95591-29		7:46								
53-E2-30	95591-30		7:47								
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 checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH				<input type="checkbox"/> HARD COPY							
<input type="checkbox"/> SAME DAY				<input type="checkbox"/> PDF							
<input type="checkbox"/> NEXT DAY				<input type="checkbox"/> GEOTRACKER (GLOBAL ID)							
<input type="checkbox"/> 2 DAYS				<input type="checkbox"/> OTHER (PLEASE SPECIFY)							
<input type="checkbox"/> 3 DAYS											
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RELINQUISHED BY: 2. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]											
RELINQUISHED BY: 3. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]											
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RECEIVED BY: 2. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]											
RECEIVED BY: 3. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]											

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CHAIN OF CUSTODY RECORD
110339

16556

AETL JOB No.

Page 3 of 4

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



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COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>95590, 95591</u>			
Date Received: <u>12/28/18</u>		Received by: <u>Ant</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 checked="" type="checkbox"/> Cooler (<u>2</u>) <input type="checkbox"/> Other (Specify): <u>c</u>			
Inside temperature of shipping container No 1: <u>3.3</u> , No 2: <u>3.3</u> , 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): <u>sleeves</u>			
How are samples preserved: <input type="checkbox"/> None, <input type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <u>HNO₃</u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na₂S₂O₃</u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>X</u>		
2. Are the Sample labels legible?	<u>X</u>		
3. Do samples match the COC?	<u>X</u>		
4. Are the required analyses clear?	<u>X</u>		
5. Is there enough samples for required analysis?	<u>X</u>		
6. Are samples sealed with evidence tape?		<u>X</u>	
7. Are sample containers in good condition?	<u>X</u>		
8. Are samples preserved?	<u>X</u>		
9. Are samples preserved properly for the intended analysis?	<u>X</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>J</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95591	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 56 samples with the following specification on 12/28/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity	Of Containers
95591.01	S2-N1-0.5	12/28/2018	Soil	1	
95591.04	S2-N2-0.5	12/27/2018	Soil	1	
95591.07	S2-N3-0.5	12/27/2018	Soil	1	
95591.13	S2-W1-0.5	12/28/2018	Soil	1	
95591.16	S2-W2-0.5	12/28/2018	Soil	1	
95591.19	S3-W1-0.5	12/28/2018	Soil	1	
95591.22	S3-W2-0.5	12/28/2018	Soil	1	
95591.25	S3-E1-0.5	12/28/2018	Soil	1	
95591.31	S3-W3-0.5	12/28/2018	Soil	1	
95591.34	S3-S1-0.5	12/28/2018	Soil	1	
95591.37	S4-N1-0.5	12/27/2018	Soil	1	
95591.40	S4-N2-0.5	12/27/2018	Soil	1	
95591.43	S4-S2-0.5	12/27/2018	Soil	1	
95591.46	S4-S1-0.5	12/28/2018	Soil	1	
95591.49	S4-W1-0.5	12/28/2018	Soil	1	
	Method ^ Submethod		Req Date	Priority	TAT
					Units
	(6010B.LEAD)		01/04/2019	2	Normal
	(6020) ^ AS		01/04/2019	2	Normal
95591.02	S2-N1-2.0	12/28/2018	Soil	1	
95591.03	S2-N1-3.0	12/28/2018	Soil	1	
95591.05	S2-N2-2.0	12/27/2018	Soil	1	
95591.06	S2-N2-3.0	12/27/2018	Soil	1	
95591.08	S2-N3-2.0	12/27/2018	Soil	1	
95591.09	S2-N3-3.0	12/27/2018	Soil	1	
95591.11	S2-E1-2.0	12/27/2018	Soil	1	

Continued



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Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95591	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

95591.12	S2-E1-3.0	12/27/2018	Soil	1
95591.14	S2-W1-2.0	12/28/2018	Soil	1
95591.15	S2-W1-3.0	12/28/2018	Soil	1
95591.17	S2-W2-2.0	12/28/2018	Soil	1
95591.18	S2-W2-3.0	12/28/2018	Soil	1
95591.20	S3-W1-2.0	12/28/2018	Soil	1
95591.21	S3-W1-3.0	12/28/2018	Soil	1
95591.23	S3-W2-2.0	12/28/2018	Soil	1
95591.24	S3-W2-3.0	12/28/2018	Soil	1
95591.26	S3-E1-2.0	12/28/2018	Soil	1
95591.27	S3-E1-3.0	12/28/2018	Soil	1
95591.29	S3-E2-2.0	12/28/2018	Soil	1
95591.30	S3-E2-3.0	12/28/2018	Soil	1
95591.32	S3-W3-2.0	12/28/2018	Soil	1
95591.33	S3-W3-3.0	12/28/2018	Soil	1
95591.35	S3-S1-2.0	12/28/2018	Soil	1
95591.36	S3-S1-3.0	12/28/2018	Soil	1
95591.38	S4-N1-2.0	12/27/2018	Soil	1
95591.39	S4-N1-3.0	12/27/2018	Soil	1
95591.41	S4-N2-2.0	12/27/2018	Soil	1
95591.42	S4-N2-3.0	12/27/2018	Soil	1
95591.44	S4-S2-2.0	12/27/2018	Soil	1
95591.45	S4-S2-3.0	12/27/2018	Soil	1
95591.47	S4-S1-2.0	12/28/2018	Soil	1
95591.48	S4-S1-3.0	12/28/2018	Soil	1
95591.50	S4-W1-2.0	12/28/2018	Soil	1
95591.51	S4-W1-3.0	12/28/2018	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	01/04/2019	2	Normal	--

Continued



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Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95591	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

Lab ID	Sample ID	Sample Date	Matrix	Quantity	Of Containers
95591.10	S2-E1-0.5	12/27/2018	Soil	1	
95591.28	S3-E2-0.5	12/28/2018	Soil	1	
Method ^ Submethod		Req Date	Priority	TAT	Units
(6010B.LEAD)		01/04/2019	2	Normal	mg/Kg
(6020) ^ AS		01/04/2019	2	Normal	mg/Kg
(8082)		01/04/2019	2	Normal	ug/Kg
95591.52	COMP2.1-0.5	12/28/2018	Soil	1	
95591.53	COMP2.2-0.5	12/27/2018	Soil	1	
95591.54	COMP3.1-0.5	12/28/2018	Soil	1	
95591.55	COMP3.2-0.5	12/27/2018	Soil	1	
95591.56	COMP4.1-0.5	12/27/2018	Soil	1	
Method ^ Submethod		Req Date	Priority	TAT	Units
(8081A)		01/03/2019	4	Rush	ug/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

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Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1

Our Lab I.D.			Method Blank	95591.52	95591.53	95591.54	95591.55
Client Sample I.D.				COMP2.1-0.5	COMP2.2-0.5	COMP3.1-0.5	COMP3.2-0.5
Date Sampled				12/28/2018	12/27/2018	12/28/2018	12/27/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	1.11J	ND	1.03J
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	95591.52	95591.53	95591.54	95591.55
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		108	96.0	79.2	86.4	81.6
Tetrachloro-m-xylene	30-150		138	106	113	106	114



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ANALYTICAL RESULTS

Ordered By

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McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 4

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1

Our Lab I.D.		95591.56					
Client Sample I.D.		COMP4.1-0.5					
Date Sampled		12/27/2018					
Date Prepared		01/02/2019					
Preparation Method		3550B					
Date Analyzed		01/02/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		1					
Analytes	MDL	PQL	Results				
Aldrin	1.0	2.0	ND				
Chlordane (Total)	1.0	2.0	ND				
Chlordane (alpha)	1.0	2.0	ND				
4,4'-DDD (DDD)	1.0	2.0	ND				
4,4'-DDE (DDE)	1.0	2.0	ND				
4,4'-DDT (DDT)	1.0	2.0	ND				
Dieldrin	1.0	2.0	ND				
Endosulfan 1	1.0	2.0	ND				
Endosulfan 11	1.0	2.0	ND				
Endosulfan sulfate	1.0	2.0	ND				
Endrin	1.0	2.0	ND				
Endrin aldehyde	1.0	2.0	ND				
Endrin ketone	1.0	2.0	ND				
Chlordane (gamma)	1.0	2.0	ND				
Heptachlor	1.0	2.0	ND				
Heptachlor epoxide	1.0	2.0	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND				
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND				
Methoxychlor	5.0	10.0	ND				
Toxaphene	25.0	50.0	ND				



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ANALYTICAL RESULTS

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Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			95591.56				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		82.4				
Tetrachloro-m-xylene	30-150		124				



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Telephone: (626)930-1200

Attn: John Ziegler

Page: 6

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.			Method Blank	95591.28			
Client Sample I.D.				S3-E2-0.5			
Date Sampled				12/28/2018			
Date Prepared			01/02/2019	01/02/2019			
Preparation Method			3550B	3550B			
Date Analyzed			01/02/2019	01/02/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND			
Our Lab I.D.			Method Blank	95591.28			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		104	104			
Tetrachloro-m-xylene	30-150		118	106			



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Page: 7

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.			95591.10				
Client Sample I.D.			S2-E1-0.5				
Date Sampled			12/27/2018				
Date Prepared			01/02/2019				
Preparation Method			3550B				
Date Analyzed			01/02/2019				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			2				
Analytes	MDL	PQL	Results				
Aroclor-1016 (PCB-1016)	50	100	ND				
Aroclor-1221 (PCB-1221)	50	100	ND				
Aroclor-1232 (PCB-1232)	50	100	ND				
Aroclor-1242 (PCB-1242)	50	100	ND				
Aroclor-1248 (PCB-1248)	50	100	ND				
Aroclor-1254 (PCB-1254)	50	100	ND				
Aroclor-1260 (PCB-1260)	50	100	ND				
Aroclor-1262 (PCB-1262)	50	100	ND				
Aroclor-1268 (PCB-1268)	50	100	ND				

Comment(s):

95591.10: Analyzed under dilution due to matrix interference

Our Lab I.D.			95591.10				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		99.6				
Tetrachloro-m-xylene	30-150		98.8				



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Page: 8

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C10

Our Lab I.D.			Method Blank	95591.01	95591.04	95591.07	95591.10
Client Sample I.D.				S2-N1-0.5	S2-N2-0.5	S2-N3-0.5	S2-E1-0.5
Date Sampled				12/28/2018	12/27/2018	12/27/2018	12/27/2018
Date Prepared			01/02/2018	01/02/2018	01/02/2018	01/02/2018	01/02/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	6.95	59.1	6.88	38.9



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Attn: John Ziegler

Page: 9

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C10

Our Lab I.D.			95591.13	95591.16	95591.19	95591.22	95591.25
Client Sample I.D.			S2-W1-0.5	S2-W2-0.5	S3-W1-0.5	S3-W2-0.5	S3-E1-0.5
Date Sampled			12/28/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Date Prepared			01/02/2018	01/02/2018	01/02/2018	01/02/2018	01/02/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	41.4	23.9	49.9	50.1	8.12



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C10

Our Lab I.D.		95591.28				
Client Sample I.D.		S3-E2-0.5				
Date Sampled		12/28/2018				
Date Prepared		01/02/2018				
Preparation Method		3050B				
Date Analyzed		01/03/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Lead	2.5	5.0	44.1			



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C11

Our Lab I.D.			Method Blank	95591.31	95591.34	95591.37	95591.40
Client Sample I.D.				S3-W3-0.5	S3-S1-0.5	S4-N1-0.5	S4-N2-0.5
Date Sampled				12/28/2018	12/28/2018	12/27/2018	12/27/2018
Date Prepared			01/02/2018	01/02/2018	01/02/2018	01/02/2018	01/02/2018
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	46.9	58.5	8.64	2.95J



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C11

Our Lab I.D.		95591.43	95591.46	95591.49		
Client Sample I.D.		S4-S2-0.5	S4-S1-0.5	S4-W1-0.5		
Date Sampled		12/27/2018	12/28/2018	12/28/2018		
Date Prepared		01/02/2018	01/02/2018	01/02/2018		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		01/03/2019	01/03/2019	01/03/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Lead	2.5	5.0	4.73J	20.4	22.1	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C2

Our Lab I.D.			Method Blank	95591.01	95591.04	95591.07	95591.10
Client Sample I.D.				S2-N1-0.5	S2-N2-0.5	S2-N3-0.5	S2-E1-0.5
Date Sampled				12/28/2018	12/27/2018	12/27/2018	12/27/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	1.83	9.44	2.13	24.0



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C2

Our Lab I.D.			95591.13	95591.16	95591.19	95591.22	95591.25
Client Sample I.D.			S2-W1-0.5	S2-W2-0.5	S3-W1-0.5	S3-W2-0.5	S3-E1-0.5
Date Sampled			12/28/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	6.17	4.06	11.7	13.3	2.41



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C2

Our Lab I.D.		95591.28				
Client Sample I.D.		S3-E2-0.5				
Date Sampled		12/28/2018				
Date Prepared		01/02/2019				
Preparation Method		3050B				
Date Analyzed		01/03/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Arsenic	0.05	0.10	1.52			



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C3

Our Lab I.D.			Method Blank	95591.31	95591.34	95591.37	95591.40
Client Sample I.D.				S3-W3-0.5	S3-S1-0.5	S4-N1-0.5	S4-N2-0.5
Date Sampled				12/28/2018	12/28/2018	12/27/2018	12/27/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	28.6	3.38	0.821	1.13



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C3

Our Lab I.D.		95591.43	95591.46	95591.49		
Client Sample I.D.		S4-S2-0.5	S4-S1-0.5	S4-W1-0.5		
Date Sampled		12/27/2018	12/28/2018	12/28/2018		
Date Prepared		01/02/2019	01/02/2019	01/02/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		01/03/2019	01/03/2019	01/03/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Arsenic	0.05	0.10	10.4	2.60	3.62	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C10; Dup or Spiked Sample: 95591.01; LCS: Clean Sand; QC Prepared: 01/02/2018; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	6.95	50.0	43.1 #	72.3	50.0	44.0 #	74.1	2.5	75-125	<15

QC Batch No: 0102182C10; Dup or Spiked Sample: 95591.01; LCS: Clean Sand; QC Prepared: 01/02/2018; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	48.7	97.4	50.0	48.5	97.0	<1	75-125	<15	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102182C11; Dup or Spiked Sample: 95591.31; LCS: Clean Sand; QC Prepared: 01/02/2018; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	46.9	50.0	85.5	77.2	50.0	84.6	75.4	2.4	75-125	<15

QC Batch No: 0102182C11; Dup or Spiked Sample: 95591.31; LCS: Clean Sand; QC Prepared: 01/02/2018; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	48.4	96.8	50.0	49.0	98.0	1.2	75-125	<15	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C2; Dup or Spiked Sample: 95591.01; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	1.83	10.0	11.5	96.7	10.0	10.6	87.7	9.76	80-120	<15

QC Batch No: 0102191C2; Dup or Spiked Sample: 95591.01; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	10.2	102	10.0	9.19	91.9	10.4	80-120	<15	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C3; Dup or Spiked Sample: 95591.31; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	28.6	10.0	35.4 #	68.0	10.0	36.2 #	76.0	11.1	80-120	<15

QC Batch No: 0102191C3; Dup or Spiked Sample: 95591.31; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	9.24	92.4	10.0	10.0	100	7.90	80-120	<15	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	18.4	92.0	20.0	18.5	92.5	<1	40-150	<40
4,4'-DDT (DDT)	1.96	50.0	42.1	80.3	50.0	44.7	85.5	6.3	40-150	<40
Dieldrin	0.276	50.0	47.7	94.8	50.0	48.1	95.6	<1	40-150	<40
Endrin	0.00	50.0	65.0	130	50.0	65.5	131	<1	40-150	<40
Heptachlor	0.00	20.0	19.1	95.5	20.0	19.4	97.0	1.6	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.4	97.0	20.0	18.6	93.0	4.2	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	25.0	100	25.0	27.5	110	9.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	34.3	137	25.0	35.3	141	2.9	30-150	<40

QC Batch No: 010219EB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aldrin	20.0	14.9	74.5	20.0	16.1	80.5	7.7	50-150	<40	
4,4'-DDT (DDT)	50.0	29.9	59.8	50.0	30.0	60.0	<1	50-150	<40	
Dieldrin	50.0	39.7	79.4	50.0	42.4	84.8	6.6	50-150	<40	
Endrin	50.0	51.5	103	50.0	53.5	107	3.8	50-150	<40	
Heptachlor	20.0	15.7	78.5	20.0	16.3	81.5	3.8	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.7	83.5	20.0	17.3	86.5	3.5	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	20.7	82.8	25.0	20.6	82.4	<1	30-150	<40	
Tetrachloro-m-xylene	25.0	29.0	116	25.0	30.0	120	3.4	30-150	<40	



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Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95591	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	478	95.6	500	429	85.8	10.8	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	396	79.2	500	307	61.4	25.3	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.6	98.4	25.0	17.9	71.6	31.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	28.0	112	25.0	26.0	104	7.4	30-150	<40

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	457	91.4	50-150						
Aroclor-1260 (PCB-1260)	500	387	77.4	50-150						
Surrogates										
Decachlorobiphenyl	25.0	26.0	104	30-150						
Tetrachloro-m-xylene	25.0	26.8	107	30-150						



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 16
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626)930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95592	12/28/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 S. McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 6 discrete and 2 composite soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



CHAIN OF CUSTODY RECORD
110329

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COMPANY
CONVERSE

PROJECT MANAGER
J R Z

COMPANY ADDRESS
717 S. MYRTLE AN MONROVIA 9016

PHONE 626 930-1234
FAX

PROJECT NAME
McKinley Comp Mod

PROJECT #
18-41-233-02

SITE NAME AND ADDRESS
McKinley ES
7012 McKinley, LA CA 90001

PO #

ANALYSIS REQUESTED

EPALowAs

EPALowPb

EPAB082PbS

EPAB081As

TEST INSTRUCTIONS & COMMENTS

HOLD 20:30
SAMPLES

Comp group 9.2

SAMPLE ID

LAB ID

DATE

TIME

MATRIX

CONTAINER NUMBER/SIZE

PRES.

1

59-51-0.5

95592.16

12/27/10

8:55

2012

1 JAR

2

59-51-0.0

95592.17

8:56

3

59-51-3.0

95592.18

8:57

4

5

6

COMP 9.1

95592.19

7

COM 9.2

95592.20

8

9

10

11

12

13

14

15

RELINQUISHED BY SAMPLE

Signature: [Signature]

Printed Name: John Ziegler

Date: 12/28

RELINQUISHED BY: 1.

Signature: [Signature]

Printed Name: [Signature]

Date: 12/28

RELINQUISHED BY: 2.

Signature: [Signature]

Printed Name: [Signature]

Date: 12/28

RELINQUISHED BY: 3.

Signature: [Signature]

Printed Name: [Signature]

Date: 12/28

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS
5

CUSTODY SEALS Y/N/NA
Y/N/NA

RECEIVED IN GOOD COND. Y/N
Y/N

PROPERLY COOLED Y/N/NA
Y/N/NA

SAMPLES INTACT Y/N/NA
Y/N/NA

SAMPLES ACCEPTED Y/N
Y/N

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)

RELINQUISHED BY: 1.

Signature: [Signature]

Printed Name: [Signature]

Date: 12/28

RELINQUISHED BY: 2.

Signature: [Signature]

Printed Name: [Signature]

Date: 12/28

RELINQUISHED BY: 3.

Signature: [Signature]

Printed Name: [Signature]

Date: 12/28

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



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COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>95592</u>			
Date Received: <u>12/28/18</u>		Received by: <u>Ad</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 checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3</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): <u>sleeves</u>			
How are samples preserved: <input type="checkbox"/> None, <input type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <u>HNO₃</u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na₂S₂O₃</u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>X</u>		
2. Are the Sample labels legible?	<u>X</u>		
3. Do samples match the COC?	<u>X</u>		
4. Are the required analyses clear?	<u>X</u>		
5. Is there enough samples for required analysis?	<u>X</u>		
6. Are samples sealed with evidence tape?		<u>X</u>	
7. Are sample containers in good condition?	<u>X</u>		
8. Are samples preserved?	<u>X</u>		
9. Are samples preserved properly for the intended analysis?	<u>X</u>		
10. Are the VOAs free of headspace?	<u>MS</u>		
11. Are the jars free of headspace?	<u>L</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95592	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 20 samples with the following specification on 12/28/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95592.01	S9-N1-0.5	12/27/2018	Soil	1		
95592.13	S9-E2-0.5	12/28/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		01/04/2019	2	Normal	mg/Kg
	(6020) ^ AS		01/04/2019	2	Normal	mg/Kg
	(8082)		01/04/2019	2	Normal	ug/Kg
95592.02	S9-N1-2.0	12/27/2018	Soil	1		
95592.03	S9-N1-3.0	12/27/2018	Soil	1		
95592.05	S9-N2-2.0	12/27/2018	Soil	1		
95592.06	S9-N2-3.0	12/27/2018	Soil	1		
95592.08	S9-W1-2.0	12/27/2018	Soil	1		
95592.09	S9-W1-3.0	12/27/2018	Soil	1		
95592.11	S9-E1-2.0	12/28/2018	Soil	1		
95592.12	S9-E1-3.0	12/28/2018	Soil	1		
95592.14	S9-E2-2.0	12/28/2018	Soil	1		
95592.15	S9-E2-3.0	12/28/2018	Soil	1		
95592.17	S9-S1-2.0	12/28/2018	Soil	1		
95592.18	S9-S1-3.0	12/28/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	ARCHIVE		01/04/2019	2	Normal	--
95592.04	S9-N2-0.5	12/27/2018	Soil	1		
95592.07	S9-W1-0.5	12/27/2018	Soil	1		
95592.10	S9-E1-0.5	12/28/2018	Soil	1		
95592.16	S9-S1-0.5	12/28/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		01/04/2019	2	Normal	mg/Kg

Continued



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Page: 1 B

Ordered By

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Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95592	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

95592.16	S9-S1-0.5	12/28/2018	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6020) ^ AS	01/04/2019	2	Normal	mg/Kg
95592.19	COMP9.1-0.5	12/27/2018	Soil	1
95592.20	COMP9.2-0.5	12/27/2018	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(8081A)	01/03/2019	4	Rush	ug/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 S. McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		01/02/2019				
Preparation Method		3550B				
Date Analyzed		01/02/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Aldrin	1.0	2.0	ND			
Chlordane (Total)	1.0	2.0	ND			
Chlordane (alpha)	1.0	2.0	ND			
4,4'-DDD (DDD)	1.0	2.0	ND			
4,4'-DDE (DDE)	1.0	2.0	ND			
4,4'-DDT (DDT)	1.0	2.0	ND			
Dieldrin	1.0	2.0	ND			
Endosulfan I	1.0	2.0	ND			
Endosulfan II	1.0	2.0	ND			
Endosulfan sulfate	1.0	2.0	ND			
Endrin	1.0	2.0	ND			
Endrin aldehyde	1.0	2.0	ND			
Endrin ketone	1.0	2.0	ND			
Chlordane (gamma)	1.0	2.0	ND			
Heptachlor	1.0	2.0	ND			
Heptachlor epoxide	1.0	2.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND			
Methoxychlor	5.0	10.0	ND			
Toxaphene	25.0	50.0	ND			



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ANALYTICAL RESULTS

Page: 3

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		108				
Tetrachloro-m-xylene	30-150		138				



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 S. McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 4

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1

Our Lab I.D.			95592.19	95592.20			
Client Sample I.D.			COMP9.1-0.5	COMP9.2-0.5			
Date Sampled			12/27/2018	12/27/2018			
Date Prepared			01/02/2019	01/02/2019			
Preparation Method			3550B	3550B			
Date Analyzed			01/02/2019	01/02/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			5	5			
Analytes	MDL	PQL	Results	Results			
Aldrin	5	10	ND	ND			
Chlordane (Total)	5	10	ND	ND			
Chlordane (alpha)	5	10	ND	ND			
4,4'-DDD (DDD)	5	10	ND	ND			
4,4'-DDE (DDE)	5	10	ND	ND			
4,4'-DDT (DDT)	5	10	ND	ND			
Dieldrin	5	10	ND	ND			
Endosulfan 1	5	10	ND	ND			
Endosulfan 11	5	10	ND	ND			
Endosulfan sulfate	5	10	ND	ND			
Endrin	5	10	ND	ND			
Endrin aldehyde	5	10	ND	ND			
Endrin ketone	5	10	ND	ND			
Chlordane (gamma)	5	10	ND	ND			
Heptachlor	5	10	ND	ND			
Heptachlor epoxide	5	10	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND	ND			
Methoxychlor	25	50	ND	ND			
Toxaphene	125	250	ND	ND			

Comment(s):

95592.19: Analyzed under dilution due to matrix interference 95592.20: Analyzed under dilution due to matrix interference



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ANALYTICAL RESULTS

Page: 5

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			95592.19	95592.20			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		89.2	82.4			
Tetrachloro-m-xylene	30-150		125	112			



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ANALYTICAL RESULTS

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Telephone: (626)930-1200

Attn: John Ziegler

Page: 6

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		01/02/2019				
Preparation Method		3550B				
Date Analyzed		01/02/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND			
Our Lab I.D.		Method Blank				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	104				
Tetrachloro-m-xylene	30-150	118				



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ANALYTICAL RESULTS

Ordered By

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Monrovia, CA 91016-

Site

McKinley ES
7812 S. McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 7

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.		95592.01				
Client Sample I.D.		S9-N1-0.5				
Date Sampled		12/27/2018				
Date Prepared		01/02/2019				
Preparation Method		3550B				
Date Analyzed		01/02/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		5				
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	125	250	ND			
Aroclor-1221 (PCB-1221)	125	250	ND			
Aroclor-1232 (PCB-1232)	125	250	ND			
Aroclor-1242 (PCB-1242)	125	250	ND			
Aroclor-1248 (PCB-1248)	125	250	ND			
Aroclor-1254 (PCB-1254)	125	250	ND			
Aroclor-1260 (PCB-1260)	125	250	ND			
Aroclor-1262 (PCB-1262)	125	250	ND			
Aroclor-1268 (PCB-1268)	125	250	ND			

Comment(s):

95592.01: Analyzed under dilution due to matrix interference

Our Lab I.D.		95592.01				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	139				
Tetrachloro-m-xylene	30-150	114				



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ANALYTICAL RESULTS

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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 8

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.		95592.13				
Client Sample I.D.		S9-E2-0.5				
Date Sampled		12/28/2018				
Date Prepared		01/02/2019				
Preparation Method		3550B				
Date Analyzed		01/02/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		2				
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	50	100	ND			
Aroclor-1221 (PCB-1221)	50	100	ND			
Aroclor-1232 (PCB-1232)	50	100	ND			
Aroclor-1242 (PCB-1242)	50	100	ND			
Aroclor-1248 (PCB-1248)	50	100	ND			
Aroclor-1254 (PCB-1254)	50	100	ND			
Aroclor-1260 (PCB-1260)	50	100	ND			
Aroclor-1262 (PCB-1262)	50	100	ND			
Aroclor-1268 (PCB-1268)	50	100	ND			

Comment(s):

95592.13: Analyzed under dilution due to matrix interference

Our Lab I.D.		95592.13				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	114				
Tetrachloro-m-xylene	30-150	109				



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 S. McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 9

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102192C2

Our Lab I.D.			Method Blank	95592.01	95592.04	95592.07	95592.10
Client Sample I.D.				S9-N1-0.5	S9-N2-0.5	S9-W1-0.5	S9-E1-0.5
Date Sampled				12/27/2018	12/27/2018	12/27/2018	12/28/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	25.8	20.9	16.4	ND



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Page: 10

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102192C2

Our Lab I.D.		95592.13	95592.16			
Client Sample I.D.		S9-E2-0.5	S9-S1-0.5			
Date Sampled		12/28/2018	12/28/2018			
Date Prepared		01/02/2019	01/02/2019			
Preparation Method		3050B	3050B			
Date Analyzed		01/03/2019	01/03/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Lead	2.5	5.0	12.8	20.8		



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Attn: John Ziegler

Page: 11

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C4

Our Lab I.D.			Method Blank	95592.01	95592.04	95592.07	95592.10
Client Sample I.D.				S9-N1-0.5	S9-N2-0.5	S9-W1-0.5	S9-E1-0.5
Date Sampled				12/27/2018	12/27/2018	12/27/2018	12/28/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	4.38	3.49	3.09	0.610



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Attn: John Ziegler

Page: 12

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C4

Our Lab I.D.		95592.13	95592.16			
Client Sample I.D.		S9-E2-0.5	S9-S1-0.5			
Date Sampled		12/28/2018	12/28/2018			
Date Prepared		01/02/2019	01/02/2019			
Preparation Method		3050B	3050B			
Date Analyzed		01/03/2019	01/03/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Arsenic	0.05	0.10	3.26	4.42		



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Attn: John Ziegler

Page: 13

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102192C2; Dup or Spiked Sample: 95592.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	20.9	50.0	60.8	79.8	50.0	60.3	78.8	1.3	75-125	<15

QC Batch No: 0102192C2; Dup or Spiked Sample: 95592.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	49.5	99.0	50.0	49.1	98.2	<1	75-125	<15	



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Page: 14

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C4; Dup or Spiked Sample: 95592.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	3.49	10.0	13.5	100	10.0	13.5	100	<1	80-120	<15

QC Batch No: 0102191C4; Dup or Spiked Sample: 95592.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	9.01	90.1	10.0	9.05	90.5	<1	80-120	<15	



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Attn: John Ziegler

Page: 15

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	18.4	92.0	20.0	18.5	92.5	<1	40-150	<40
4,4'-DDT (DDT)	1.96	50.0	42.1	80.3	50.0	44.7	85.5	6.3	40-150	<40
Dieldrin	0.276	50.0	47.7	94.8	50.0	48.1	95.6	<1	40-150	<40
Endrin	0.00	50.0	65.0	130	50.0	65.5	131	<1	40-150	<40
Heptachlor	0.00	20.0	19.1	95.5	20.0	19.4	97.0	1.6	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.4	97.0	20.0	18.6	93.0	4.2	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	25.0	100	25.0	27.5	110	9.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	34.3	137	25.0	35.3	141	2.9	30-150	<40

QC Batch No: 010219EB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aldrin	20.0	14.9	74.5	20.0	16.1	80.5	7.7	50-150	<40	
4,4'-DDT (DDT)	50.0	29.9	59.8	50.0	30.0	60.0	<1	50-150	<40	
Dieldrin	50.0	39.7	79.4	50.0	42.4	84.8	6.6	50-150	<40	
Endrin	50.0	51.5	103	50.0	53.5	107	3.8	50-150	<40	
Heptachlor	20.0	15.7	78.5	20.0	16.3	81.5	3.8	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.7	83.5	20.0	17.3	86.5	3.5	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	20.7	82.8	25.0	20.6	82.4	<1	30-150	<40	
Tetrachloro-m-xylene	25.0	29.0	116	25.0	30.0	120	3.4	30-150	<40	



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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 16

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95592	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	478	95.6	500	429	85.8	10.8	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	396	79.2	500	307	61.4	25.3	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.6	98.4	25.0	17.9	71.6	31.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	28.0	112	25.0	26.0	104	7.4	30-150	<40

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	457	91.4	50-150						
Aroclor-1260 (PCB-1260)	500	387	77.4	50-150						
Surrogates										
Decachlorobiphenyl	25.0	26.0	104	30-150						
Tetrachloro-m-xylene	25.0	26.8	107	30-150						



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 17
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626)930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95593	12/28/2018	CONVRS

Project ID: 18-41-233-01
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 12 discrete and 3 composite soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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CHAIN OF CUSTODY RECORD

110430

95593

AETL JOB No.

Page 1 of 3

COMPANY CONVERSE		PROJECT MANAGER JRZ				
COMPANY ADDRESS 217 S. MYRTLE AVE MONROVIA		PHONE 91016	126930-1234			
PROJECT NAME McKinley Comp Mod		FAX				
SITE NAME AND ADDRESS McKinley ES		PROJECT # 18-41-233-01				
LAB ID 7812 McKinley LA CA 90001		PO #				
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
57-51-0.5	95593.01	12/27/18	9:10	SOIL	1 JAR	
57-51-2.0	95593.02		9:21			
57-51-3.0	95593.03		9:22			
57-52-0.5	95593.04		9:30			
57-52-2.0	95593.05		9:31			
57-52-3.0	95593.06		9:32			
57-53-0.5	95593.07		9:50			
57-53-2.0	95593.08		9:51			
57-53-3.0	95593.09		9:52			
57-54-0.5	95593.10		10:00			
57-54-2.0	95593.11		10:01			
57-54-3.0	95593.12		10:02			
57-55-0.5	95593.13		10:10			
57-55-2.0	95593.14		10:11			
57-55-3.0	95593.15		10:12			
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 checked="" type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH <input checked="" type="checkbox"/> DCPS				<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		
<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input checked="" type="checkbox"/> 2-3 DAYS <input checked="" type="checkbox"/> 3-5 DAYS						
RELINQUISHED BY: 1. SAMPLER: <i>[Signature]</i>				RELINQUISHED BY: 2. LABORATORY: <i>[Signature]</i>		
Signature: <i>[Signature]</i>				Signature: <i>[Signature]</i>		
Printed Name: JOHN ZIEGLER				Printed Name: <i>[Signature]</i>		
Date: 12/20/18				Date: 12/28/18		
Time: 1:40				Time: 1640		
RECEIVED BY: 1. LABORATORY: <i>[Signature]</i>				RECEIVED BY: 2. LABORATORY: <i>[Signature]</i>		
Signature: <i>[Signature]</i>				Signature: <i>[Signature]</i>		
Printed Name: <i>[Signature]</i>				Printed Name: <i>[Signature]</i>		
Date: 12/28/18				Date: 12/28/18		
Time: 1640				Time: 1640		

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



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CHAIN OF CUSTODY RECORD

110429

AETL JOB No. 95593 Page 2 of 3

COMPANY		PROJECT MANAGER		PROJECT #		PO #	
CONVERSE		JRC		621 930 1234			
COMPANY ADDRESS		PHONE		FAX			
717 S. MYRTLE AVE.		621 930 1234					
PROJECT NAME		PROJECT #		PO #			
McKinley ES Comp Mod							
SITE NAME AND ADDRESS		DATE		TIME		CONTAINER NUMBER/SIZE	
7092 McKinley LA CA 90021							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
57-N1-0.5	95593-16	12/20/18	8:31	SOIL	1 SLEEVE		
57-N1-2.0	95593-17		8:32				
57-N1-7.0	95593-18		8:33				
57-N1-0.5	95593-19		8:40				
57-N1-2.0	95593-20		8:41				
57-N1-3.0	95593-21		8:42				
57-N1-0.5	95593-22		7:50				
57-N1-2.0	95593-23		7:51				
57-N1-3.0	95593-24		7:52				
57-N1-0.5	95593-25		7:40				
57-N1-2.0	95593-26		7:41				
57-N1-3.0	95593-27		7:42				
57-N1-0.5	95593-28		7:30				
57-N1-2.0	95593-29		7:31				
57-N1-3.0	95593-30		7:32				
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 checked="" type="checkbox"/> NORMAL		<input type="checkbox"/> SAME DAY		<input type="checkbox"/> HARD COPY			
<input type="checkbox"/> CRUSH		<input type="checkbox"/> NEXT DAY		<input type="checkbox"/> PDF			
<input type="checkbox"/> 2 DAYS		<input type="checkbox"/> 3 DAYS		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)			
<input type="checkbox"/> OTHER (PLEASE SPECIFY)				<input type="checkbox"/> OTHER (PLEASE SPECIFY)			
RELINQUISHED BY: <u>1. JRC</u>		RELINQUISHED BY: <u>2. JRC</u>		RELINQUISHED BY: <u>3. JRC</u>			
Signature: _____		Signature: _____		Signature: _____			
Printed Name: _____		Printed Name: _____		Printed Name: _____			
Date: _____		Date: _____		Date: _____			
Time: _____		Time: _____		Time: _____			
RECEIVED BY: <u>1. JRC</u>		RECEIVED BY: <u>2. JRC</u>		RECEIVED BY: <u>3. JRC</u>			
Signature: _____		Signature: _____		Signature: _____			
Printed Name: _____		Printed Name: _____		Printed Name: _____			
Date: _____		Date: _____		Date: _____			
Time: _____		Time: _____		Time: _____			
TEST INSTRUCTIONS & COMMENTS		ANALYSIS REQUESTED		RELINQUISHED BY: <u>1. JRC</u>			
HOLD ALL 2.0 & 3.0 SAMPLES		EPA 6010 Pb		EPA 8082 PCBs			
Comp Group 7.1		X		X			
7.1							
7.1							
Comp Group 7.1		X		X			
7.1							
7.1							
Comp Group 7.2		X		X			
7.2							
7.2							
Comp Group 7.3		X		X			
7.3							
7.3							



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CHAIN OF CUSTODY RECORD
110328

Page 3 of 3[illegible]

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



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COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>95593</u>			
Date Received: <u>12/28/18</u>		Received by: <u>Ant</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 checked="" type="checkbox"/> Cooler (<u>✓</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3-4°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): <u>sleeves</u>			
How are samples preserved: <input type="checkbox"/> None, <input type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<u>✓</u> None, <u>✓</u> HNO ₃ , <u>✓</u> NaOH, <u>✓</u> ZnOAc, <u>✓</u> HCl, <u>✓</u> Na ₂ S ₂ O ₃ , <u>✓</u> MeOH			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>✓</u>		
2. Are the Sample labels legible?	<u>✓</u>		
3. Do samples match the COC?	<u>✓</u>		
4. Are the required analyses clear?	<u>✓</u>		
5. Is there enough samples for required analysis?	<u>✓</u>		
6. Are samples sealed with evidence tape?		<u>✓</u>	
7. Are sample containers in good condition?	<u>✓</u>		
8. Are samples preserved?	<u>✓</u>		
9. Are samples preserved properly for the intended analysis?	<u>✓</u>		
10. Are the VOAs free of headspace?	<u>NIS</u>		
11. Are the jars free of headspace?	<u>1</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-01
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95593	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 39 samples with the following specification on 12/28/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95593.01	S7-S1-0.5	12/27/2018	Soil	1		
95593.04	S7-S2-0.5	12/27/2018	Soil	1		
95593.07	S7-S3-0.5	12/27/2018	Soil	1		
95593.10	S7-S4-0.5	12/27/2018	Soil	1		
95593.13	S7-S5-0.5	12/27/2018	Soil	1		
95593.16	S7-N1-0.5	12/28/2018	Soil	1		
95593.19	S7-N2-0.5	12/28/2018	Soil	1		
95593.22	S7-N3-0.5	12/28/2018	Soil	1		
95593.25	S7-N4-0.5	12/28/2018	Soil	1		
95593.28	S7-N5-0.5	12/28/2018	Soil	1		
95593.34	S7-W1-0.5	12/27/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		01/04/2019	2	Normal	mg/Kg
	(6020) ^ AS		01/04/2019	2	Normal	mg/Kg
95593.02	S7-S1-2.0	12/27/2018	Soil	1		
95593.03	S7-S1-3.0	12/27/2018	Soil	1		
95593.05	S7-S2-2.0	12/27/2018	Soil	1		
95593.06	S7-S2-3.0	12/27/2018	Soil	1		
95593.08	S7-S3-2.0	12/27/2018	Soil	1		
95593.09	S7-S3-3.0	12/27/2018	Soil	1		
95593.11	S7-S4-2.0	12/27/2018	Soil	1		
95593.12	S7-S4-3.0	12/27/2018	Soil	1		
95593.14	S7-S5-2.0	12/27/2018	Soil	1		
95593.15	S7-S5-3.0	12/27/2018	Soil	1		
95593.17	S7-N1-2.0	12/28/2018	Soil	1		

Continued



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Project ID: 18-41-233-01
Date Received 12/28/2018
Date Reported 01/04/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95593	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

95593.18	S7-N1-3.0	12/28/2018	Soil	1
95593.20	S7-N2-2.0	12/28/2018	Soil	1
95593.21	S7-N2-3.0	12/28/2018	Soil	1
95593.23	S7-N3-2.0	12/28/2018	Soil	1
95593.24	S7-N3-3.0	12/28/2018	Soil	1
95593.26	S7-N4-2.0	12/28/2018	Soil	1
95593.27	S7-N4-3.0	12/28/2018	Soil	1
95593.29	S7-N5-2.0	12/28/2018	Soil	1
95593.30	S7-N5-3.0	12/28/2018	Soil	1
95593.32	S7-E1-2.0	12/27/2018	Soil	1
95593.33	S7-E1-3.0	12/27/2018	Soil	1
95593.35	S7-W1-2.0	12/27/2018	Soil	1
95593.36	S7-W1-3.0	12/27/2018	Soil	1
	Method ^ Submethod 			

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

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Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		01/02/2019				
Preparation Method		3550B				
Date Analyzed		01/02/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Aldrin	1.0	2.0	ND			
Chlordane (Total)	1.0	2.0	ND			
Chlordane (alpha)	1.0	2.0	ND			
4,4'-DDD (DDD)	1.0	2.0	ND			
4,4'-DDE (DDE)	1.0	2.0	ND			
4,4'-DDT (DDT)	1.0	2.0	ND			
Dieldrin	1.0	2.0	ND			
Endosulfan I	1.0	2.0	ND			
Endosulfan II	1.0	2.0	ND			
Endosulfan sulfate	1.0	2.0	ND			
Endrin	1.0	2.0	ND			
Endrin aldehyde	1.0	2.0	ND			
Endrin ketone	1.0	2.0	ND			
Chlordane (gamma)	1.0	2.0	ND			
Heptachlor	1.0	2.0	ND			
Heptachlor epoxide	1.0	2.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND			
Methoxychlor	5.0	10.0	ND			
Toxaphene	25.0	50.0	ND			



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ANALYTICAL RESULTS

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Project ID: 18-41-233-01
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		108				
Tetrachloro-m-xylene	30-150		138				



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Attn: John Ziegler

Page: 4

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1

Our Lab I.D.			95593.37	95593.38	95593.39		
Client Sample I.D.			COMP7.1-0.5	COMP7.2-0.5	COMP7.3-0.5		
Date Sampled			12/27/2018	12/27/2018	12/27/2018		
Date Prepared			01/02/2019	01/02/2019	01/02/2019		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			01/02/2019	01/02/2019	01/02/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			5	5	5		
Analytes	MDL	PQL	Results	Results	Results		
Aldrin	5	10	ND	ND	ND		
Chlordane (Total)	5	10	ND	5.65J	ND		
Chlordane (alpha)	5	10	ND	ND	ND		
4,4'-DDD (DDD)	5	10	ND	ND	ND		
4,4'-DDE (DDE)	5	10	ND	5.73J	ND		
4,4'-DDT (DDT)	5	10	ND	6.99J	ND		
Dieldrin	5	10	ND	ND	ND		
Endosulfan 1	5	10	ND	ND	ND		
Endosulfan 11	5	10	ND	ND	ND		
Endosulfan sulfate	5	10	ND	ND	ND		
Endrin	5	10	ND	ND	ND		
Endrin aldehyde	5	10	ND	ND	ND		
Endrin ketone	5	10	ND	ND	ND		
Chlordane (gamma)	5	10	ND	ND	ND		
Heptachlor	5	10	ND	ND	ND		
Heptachlor epoxide	5	10	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND	ND	ND		
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND	ND	ND		
Methoxychlor	25	50	ND	ND	ND		
Toxaphene	125	250	ND	ND	ND		

Comment(s):

95593.37: Analyzed under dilution due to matrix interference 95593.39: Analyzed under dilution due to matrix interference



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ANALYTICAL RESULTS

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Project ID: 18-41-233-01
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			95593.37	95593.38	95593.39		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		75.6	80.0	90.0		
Tetrachloro-m-xylene	30-150		98.0	103	112		



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Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		01/02/2019				
Preparation Method		3550B				
Date Analyzed		01/02/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND			
Our Lab I.D.		Method Blank				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	104				
Tetrachloro-m-xylene	30-150	118				



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ANALYTICAL RESULTS

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Page: 7

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1

Our Lab I.D.		95593.31				
Client Sample I.D.		S7-E1-0.5				
Date Sampled		12/27/2018				
Date Prepared		01/02/2019				
Preparation Method		3550B				
Date Analyzed		01/02/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		5				
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	125	250	ND			
Aroclor-1221 (PCB-1221)	125	250	ND			
Aroclor-1232 (PCB-1232)	125	250	ND			
Aroclor-1242 (PCB-1242)	125	250	ND			
Aroclor-1248 (PCB-1248)	125	250	ND			
Aroclor-1254 (PCB-1254)	125	250	ND			
Aroclor-1260 (PCB-1260)	125	250	ND			
Aroclor-1262 (PCB-1262)	125	250	ND			
Aroclor-1268 (PCB-1268)	125	250	ND			

Comment(s):

95593.31: Analyzed under dilution due to matrix interference

Our Lab I.D.		95593.31				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	111				
Tetrachloro-m-xylene	30-150	93.6				



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Telephone: (626)930-1200

Attn: John Ziegler

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Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102192C4

Our Lab I.D.			Method Blank	95593.01	95593.04	95593.07	95593.10
Client Sample I.D.				S7-S1-0.5	S7-S2-0.5	S7-S3-0.5	S7-S4-0.5
Date Sampled				12/27/2018	12/27/2018	12/27/2018	12/27/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	17.5	28.1	10.1	21.2



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ANALYTICAL RESULTS

Ordered By

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Telephone: (626)930-1200

Attn: John Ziegler

Page: 9

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102192C4

Our Lab I.D.			95593.13	95593.16	95593.19	95593.22	95593.25
Client Sample I.D.			S7-S5-0.5	S7-N1-0.5	S7-N2-0.5	S7-N3-0.5	S7-N4-0.5
Date Sampled			12/27/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	26.3	27.5	39.2	4.91J	5.37



American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 10

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102192C4

Our Lab I.D.		95593.28	95593.31	95593.34		
Client Sample I.D.		S7-N5-0.5	S7-E1-0.5	S7-W1-0.5		
Date Sampled		12/28/2018	12/27/2018	12/27/2018		
Date Prepared		01/02/2019	01/02/2019	01/02/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		01/03/2019	01/03/2019	01/03/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Lead	2.5	5.0	6.24	22.0	19.8	



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Attn: John Ziegler

Page: 11

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C5

Our Lab I.D.		Method Blank	95593.01	95593.04	95593.07	95593.10
Client Sample I.D.			S7-S1-0.5	S7-S2-0.5	S7-S3-0.5	S7-S4-0.5
Date Sampled			12/27/2018	12/27/2018	12/27/2018	12/27/2018
Date Prepared		01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	5.69	4.93	3.21



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Page: 12

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C5

Our Lab I.D.			95593.13	95593.16	95593.19	95593.22	95593.25
Client Sample I.D.			S7-S5-0.5	S7-N1-0.5	S7-N2-0.5	S7-N3-0.5	S7-N4-0.5
Date Sampled			12/27/2018	12/28/2018	12/28/2018	12/28/2018	12/28/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	3.50	3.55	2.19	0.606	0.732



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Page: 13

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C5

Our Lab I.D.		95593.28	95593.31	95593.34		
Client Sample I.D.		S7-N5-0.5	S7-E1-0.5	S7-W1-0.5		
Date Sampled		12/28/2018	12/27/2018	12/27/2018		
Date Prepared		01/02/2019	01/02/2019	01/02/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		01/03/2019	01/03/2019	01/03/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Arsenic	0.05	0.10	0.825	5.43	4.04	



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QUALITY CONTROL RESULTS

Ordered By

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Site

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Attn: John Ziegler

Page: 14

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0102192C4; Dup or Spiked Sample: 95593.01; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	17.5	50.0	56.4	77.8	50.0	56.4	77.8	<1	75-125	<15

QC Batch No: 0102192C4; Dup or Spiked Sample: 95593.01; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	49.4	98.8	50.0	49.1	98.2	<1	75-125	<15	



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Attn: John Ziegler

Page: 15

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0102191C5; Dup or Spiked Sample: 95593.01; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	5.69	10.0	14.1	84.1	10.0	15.0	93.1	10.2	80-120	<15

QC Batch No: 0102191C5; Dup or Spiked Sample: 95593.01; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	8.25	82.5	10.0	8.74	87.4	5.8	80-120	<15	



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Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 010219EB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	18.4	92.0	20.0	18.5	92.5	<1	40-150	<40
4,4'-DDT (DDT)	1.96	50.0	42.1	80.3	50.0	44.7	85.5	6.3	40-150	<40
Dieldrin	0.276	50.0	47.7	94.8	50.0	48.1	95.6	<1	40-150	<40
Endrin	0.00	50.0	65.0	130	50.0	65.5	131	<1	40-150	<40
Heptachlor	0.00	20.0	19.1	95.5	20.0	19.4	97.0	1.6	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.4	97.0	20.0	18.6	93.0	4.2	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	25.0	100	25.0	27.5	110	9.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	34.3	137	25.0	35.3	141	2.9	30-150	<40

QC Batch No: 010219EB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aldrin	20.0	14.9	74.5	20.0	16.1	80.5	7.7	50-150	<40	
4,4'-DDT (DDT)	50.0	29.9	59.8	50.0	30.0	60.0	<1	50-150	<40	
Dieldrin	50.0	39.7	79.4	50.0	42.4	84.8	6.6	50-150	<40	
Endrin	50.0	51.5	103	50.0	53.5	107	3.8	50-150	<40	
Heptachlor	20.0	15.7	78.5	20.0	16.3	81.5	3.8	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.7	83.5	20.0	17.3	86.5	3.5	50-150	<40	
Surrogates										
Decachlorobiphenyl	25.0	20.7	82.8	25.0	20.6	82.4	<1	30-150	<40	
Tetrachloro-m-xylene	25.0	29.0	116	25.0	30.0	120	3.4	30-150	<40	



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QUALITY CONTROL RESULTS

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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 17

Project ID: 18-41-233-01

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95593	12/28/2018	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	478	95.6	500	429	85.8	10.8	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	396	79.2	500	307	61.4	25.3	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.6	98.4	25.0	17.9	71.6	31.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	28.0	112	25.0	26.0	104	7.4	30-150	<40

QC Batch No: 010219ZB1; Dup or Spiked Sample: 95577.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/02/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	457	91.4	50-150						
Aroclor-1260 (PCB-1260)	500	387	77.4	50-150						
Surrogates										
Decachlorobiphenyl	25.0	26.0	104	30-150						
Tetrachloro-m-xylene	25.0	26.8	107	30-150						



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 3

Date Received 12/28/2018

Date Reported 01/08/2019

Telephone: (626)930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95594	12/28/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 4 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Approved By:

Cyrus Razmara, Ph.D.
Laboratory Director



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CHAIN OF CUSTODY RECORD

110334

95594

AETL JOB No.

Page 1 of 1

COMPANY		PROJECT MANAGER		PROJECT #		PO #		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
CONVERSE		JRZ		18-X1-233-02		18-X1-233-02					
COMPANY ADDRESS		PHONE		FAX		PROJECT #					
717 S. MYRTLEAY MONROVIA		9196		626 930-1234							
PROJECT NAME		DATE		TIME		MATRIX		CONTAINER NUMBER/SIZE		PRES.	
McKinley Comp Mod		12/27/10		11:20		SOLIC		JAEVE			
SITE NAME AND ADDRESS		LAB ID		DATE		TIME		MATRIX		CONTAINER NUMBER/SIZE	
McKinley Es		95594.01		12/27/10		11:21		SOLIC		JAEVE	
7012 McKinley LACA 9001		95594.02		11:22		11:22		SOLIC		JAEVE	
		95594.03		11:30		11:31		SOLIC		JAEVE	
		95594.04		11:32		11:32		SOLIC		JAEVE	
		95594.05		11:00		11:01		SOLIC		JAEVE	
		95594.06		11:02		11:10		SOLIC		JAEVE	
		95594.07		11:11		11:12		SOLIC		JAEVE	
		95594.08						SOLIC		JAEVE	
		95594.09						SOLIC		JAEVE	
		95594.10						SOLIC		JAEVE	
		95594.11						SOLIC		JAEVE	
		95594.12						SOLIC		JAEVE	
1		S11-1-0.5	95594.01	12/27/10	11:20	SOLIC	JAEVE				
2		S11-1-2.0	95594.02		11:21						
3		S11-1-3.0	95594.03		11:22						
4		S11-1-0.5	95594.04		11:30						
5		S11-2-2.0	95594.05		11:31						
6		S11-2-3.0	95594.06		11:32						
7		S12-1-0.5	95594.07		11:00						
8		S12-1-2.0	95594.08		11:01						
9		S12-1-3.0	95594.09		11:02						
10		S12-2-0.5	95594.10		11:10						
11		S12-2-2.0	95594.11		11:11						
12		S12-2-3.0	95594.12		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	PROPERLY COOLED Y/N / NA	Signature:	Signature:	Signature:	Signature:	Signature:	
12	Y	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
CUSTODY SEALS Y/N / NA	SAMPLES INTACT Y/N / NA	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	
Y	Y	JOHN ZIEGLER	JOHN ZIEGLER				
RECEIVED IN GOOD COND. Y/N	SAMPLES ACCEPTED Y/N	Date:	Date:	Date:	Date:	Date:	
Y	Y	12/27/10	12/27/10				
TURN AROUND TIME		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
NORMAL	RUSH	Signature:	Signature:	Signature:	Signature:	Signature:	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
SAME DAY	HARD COPY	Signature:	Signature:	Signature:	Signature:	Signature:	
<input type="checkbox"/>	<input type="checkbox"/>	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
NEXT DAY	PDF	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	
<input type="checkbox"/>	<input type="checkbox"/>						
2 DAYS	GEOTRACKER (GLOBAL ID)	Date:	Date:	Date:	Date:	Date:	
<input type="checkbox"/>	<input type="checkbox"/>						
3 DAYS	OTHER (PLEASE SPECIFY)	Time:	Time:	Time:	Time:	Time:	
<input type="checkbox"/>							

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



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COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>95594</u>			
Date Received: <u>12/28/18</u>		Received by: <u>Ant</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 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 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 type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<u>None</u> , <u>HNO₃</u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na₂S₂O₃</u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>Y</u>		
2. Are the Sample labels legible?	<u>Y</u>		
3. Do samples match the COC?	<u>Y</u>		
4. Are the required analyses clear?	<u>Y</u>		
5. Is there enough samples for required analysis?	<u>Y</u>		
6. Are samples sealed with evidence tape?		<u>Y</u>	
7. Are sample containers in good condition?	<u>Y</u>		
8. Are samples preserved?	<u>Y</u>		
9. Are samples preserved properly for the intended analysis?	<u>Y</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>Y</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/08/2019

Telephone: (626) 930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95594	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 12 samples with the following specification on 12/28/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95594.01	S11-1-0.5	12/27/2018	Soil	1		
95594.04	S11-2-0.5	12/27/2018	Soil	1		
95594.07	S12-1-0.5	12/27/2018	Soil	1		
95594.10	S12-2-0.5	12/27/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6020) ^ AS		01/04/2019	2	Normal	mg/Kg
95594.02	S11-1-2.0	12/27/2018	Soil	1		
95594.03	S11-1-3.0	12/27/2018	Soil	1		
95594.05	S11-2-2.0	12/27/2018	Soil	1		
95594.06	S11-2-3.0	12/27/2018	Soil	1		
95594.08	S12-1-2.0	12/27/2018	Soil	1		
95594.09	S12-1-3.0	12/27/2018	Soil	1		
95594.11	S12-2-2.0	12/27/2018	Soil	1		
95594.12	S12-2-3.0	12/27/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	ARCHIVE		01/04/2019	2	Normal	--

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95594	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0103191C1

Our Lab I.D.			Method Blank	95594.01	95594.04	95594.07	95594.10
Client Sample I.D.				S11-1-0.5	S11-2-0.5	S12-1-0.5	S12-2-0.5
Date Sampled				12/27/2018	12/27/2018	12/27/2018	12/27/2018
Date Prepared			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/05/2019	01/05/2019	01/05/2019	01/05/2019	01/05/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	2.65	4.34	2.69	3.28



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QUALITY CONTROL RESULTS

Ordered By

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Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 3

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95594	12/28/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0103191C1; Dup or Spiked Sample: 95598.01; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/05/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	7.91	10.0	17.7	97.9	10.0	17.8	98.9	1.0	80-120	<15

QC Batch No: 0103191C1; Dup or Spiked Sample: 95598.01; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/05/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	9.20	92.0	10.0	9.58	95.8	4.0	80-120	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 10
Date Received 12/28/2018
Date Reported 01/08/2019

Telephone: (626)930-1200
Attention: John Ziegler

Job Number	Order Date	Client
95597	12/28/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.
Site: McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 4 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



95597

PROJECT MANAGER JRZ

Page 1 of 1[illegible]

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



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COOLER RECEIPT FORM

Client Name: <u>Converso</u>			
Project Name:			
AETL Job Number: <u>95597</u>			
Date Received: <u>12/28/18</u>		Received by: <u>AW</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 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 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): <u>encore</u>			
How are samples preserved: <input type="checkbox"/> None, <input type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <u>HNO₃</u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na₂S₂O₃</u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>✓</u>		
2. Are the Sample labels legible?	<u>✓</u>		
3. Do samples match the COC?	<u>✓</u>		
4. Are the required analyses clear?	<u>✓</u>		
5. Is there enough samples for required analysis?	<u>✓</u>		
6. Are samples sealed with evidence tape?		<u>✓</u>	
7. Are sample containers in good condition?	<u>✓</u>		
8. Are samples preserved?	<u>✓</u>		
9. Are samples preserved properly for the intended analysis?	<u>✓</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>✓</u>		

Explain all "No" answers for above questions:



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Ordered By

Converse Consultants
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Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/28/2018
Date Reported 01/08/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95597	12/28/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 4 samples with the following specification on 12/28/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95597.01	UST-5	12/28/2018	Soil	1		
95597.03	UST-15	12/28/2018	Soil	1		
95597.04	UST-DUP	12/28/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(M8015D) ^ C13-C40		01/04/2019	2	Normal	mg/Kg
	(M8015G)		01/04/2019	2	Normal	mg/Kg
95597.02	UST-10	12/28/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(8260B)		01/04/2019	2	Normal	ug/Kg
	(M8015D) ^ C13-C40		01/04/2019	2	Normal	mg/Kg
	(M8015G)		01/04/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0103192A1

Our Lab I.D.			Method Blank	95597.02			
Client Sample I.D.				UST-10			
Date Sampled				12/28/2018			
Date Prepared			01/03/2019	12/28/2018			
Preparation Method			5030	5035A			
Date Analyzed			01/03/2019	01/03/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	5.0	10.0	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			



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ANALYTICAL RESULTS

Page: 3

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0103192A1

Our Lab I.D.			Method Blank	95597.02			
Client Sample I.D.				UST-10			
Date Sampled				12/28/2018			
Date Prepared			01/03/2019	12/28/2018			
Preparation Method			5030	5035A			
Date Analyzed			01/03/2019	01/03/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	1.0	5.0	ND	ND			



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ANALYTICAL RESULTS

Page: 4

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0103192A1

Our Lab I.D.		Method Blank	95597.02			
Client Sample I.D.			UST-10			
Date Sampled			12/28/2018			
Date Prepared		01/03/2019	12/28/2018			
Preparation Method		5030	5035A			
Date Analyzed		01/03/2019	01/03/2019			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND		
Vinyl Acetate	25	50	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND		
o-Xylene	1.0	10.0	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND		
Our Lab I.D.		Method Blank	95597.02			
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Bromofluorobenzene	75-125		118	124		
Dibromofluoromethane	75-125		90.1	88.3		
Toluene-d8	75-125		119	118		



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 5

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 123118OB1

Our Lab I.D.			Method Blank	95597.01	95597.02	95597.03	95597.04
Client Sample I.D.				UST-5	UST-10	UST-15	UST-DUP
Date Sampled				12/28/2018	12/28/2018	12/28/2018	12/28/2018
Date Prepared			12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes		MDL	PQL	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)		0.100	1.000	ND	ND	ND	ND
Our Lab I.D.			Method Blank	95597.01	95597.02	95597.03	95597.04
Surrogates		%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene		75-125	105	104	104	102	103



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ANALYTICAL RESULTS

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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 6

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 010219DB1

Our Lab I.D.			Method Blank	95597.01	95597.02	95597.03	95597.04
Client Sample I.D.				UST-5	UST-10	UST-15	UST-DUP
Date Sampled				12/28/2018	12/28/2018	12/28/2018	12/28/2018
Date Prepared			01/02/2019	01/02/2019	01/02/2019	01/02/2019	01/02/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			01/02/2019	01/02/2019	01/02/2019	01/03/2019	01/03/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	95597.01	95597.02	95597.03	95597.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		106	109	107	107	109



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QUALITY CONTROL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 7

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0103192A1; Dup or Spiked Sample: 95597.02; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/03/2019;

Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	54.5	109	50.0	48.9	97.8	10.8	75-125	<20
Carbon tetrachloride	0.00	50.0	54.5	109	50.0	48.8	97.6	11.0	75-125	<20
Chlorobenzene	0.00	50.0	58.0	116	50.0	53.5	107	8.1	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	37.9	75.8	50.0	33.6 M	67.2	12.0	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	56.5	113	50.0	51.5	103	9.3	75-125	<20
1,1-Dichloroethane	0.00	50.0	35.7 M	71.4	50.0	28.5 M	57.0	22.4	75-125	<20
1,1-Dichloroethene	0.00	50.0	42.8	85.6	50.0	39.5	79.0	8.0	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	45.5	91.0	50.0	40.6	81.2	11.4	75-125	<20
Ethylbenzene	0.00	50.0	5.50	11.0	50.0	51.0	102	161.1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	39.7	79.4	50.0	31.4 M	62.8	23.3	75-125	<20
n-Propylbenzene	0.00	50.0	60.5	121	50.0	54.0	108	11.4	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	57.5	115	50.0	51.5	103	11.0	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	53.5	107	50.0	47.9	95.8	11.0	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	51.0	102	50.0	43.5	87.0	15.9	75-125	<20
Trichloroethene	0.00	50.0	58.5	117	50.0	54.0	108	8.0	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	55.5	111	50.0	51.0	102	8.5	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	55.5	111	50.0	50.0	100	10.4	75-125	<20
o-Xylene	0.00	50.0	55.5	111	50.0	50.5	101	9.4	75-125	<20
m,p-Xylenes	0.00	100	117	117	100	103	103	12.7	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	61.0	122	50.0	60.0	120	1.7	75-125	<20
Dibromofluoromethane	0.00	50.0	41.8	83.6	50.0	42.1	84.2	<1	75-125	<20
Toluene-d8	0.00	50.0	56.0	112	50.0	53.5	107	4.6	75-125	<20



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Page: 8

Project ID: 18-41-233-02
Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0103192A1; Dup or Spiked Sample: 95597.02; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/03/2019;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	52.5	105	50.0	54.5	109	3.7	75-125	<20	
Carbon tetrachloride	50.0	50.5	101	50.0	53.5	107	5.8	75-125	<20	
Chlorobenzene	50.0	55.5	111	50.0	58.0	116	4.4	75-125	<20	
Chloroform (Trichloromethane)	50.0	42.7	85.4	50.0	44.0	88.0	3.0	75-125	<20	
1,2-Dichlorobenzene	50.0	55.5	111	50.0	56.0	112	<1	75-125	<20	
1,1-Dichloroethane	50.0	39.1	78.2	50.0	39.5	79.0	1.0	75-125	<20	
1,1-Dichloroethene	50.0	41.1	82.2	50.0	42.5	85.0	3.3	75-125	<20	
cis-1,2-Dichloroethene	50.0	47.7	95.4	50.0	49.0	98.0	2.7	75-125	<20	
Ethylbenzene	50.0	53.5	107	50.0	54.5	109	1.9	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	44.5	89.0	50.0	47.0	94.0	5.5	75-125	<20	
n-Propylbenzene	50.0	53.5	107	50.0	57.0	114	6.3	75-125	<20	
Toluene (Methyl benzene)	50.0	55.0	110	50.0	57.0	114	3.6	75-125	<20	
1,1,1-Trichloroethane	50.0	50.0	100	50.0	53.0	106	5.8	75-125	<20	
1,1,2-Trichloroethane	50.0	56.5	113	50.0	58.0	116	2.6	75-125	<20	
Trichloroethene	50.0	55.0	110	50.0	55.5	111	<1	75-125	<20	
1,2,4-Trimethylbenzene	50.0	48.6	97.2	50.0	51.0	102	4.8	75-125	<20	
1,3,5-Trimethylbenzene	50.0	48.4	96.8	50.0	51.5	103	6.2	75-125	<20	
o-Xylene	50.0	53.5	107	50.0	46.5	93.0	14.0	75-125	<20	
m,p-Xylenes	100	110	110	100	111	111	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	58.5	117	50.0	62.0	124	5.8	75-125	<20	
Dibromofluoromethane	50.0	41.7	83.3	50.0	39.5	78.9	5.4	75-125	<20	
Toluene-d8	50.0	55.5	111	50.0	55.0	110	<1	75-125	<20	



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Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 9

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 010219DB1; Dup or Spiked Sample: 95597.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	470	94.0	500	505	101	7.2	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	102	102	100	102	102	<1	75-125	<20

QC Batch No: 010219DB1; Dup or Spiked Sample: 95597.04; LCS: Clean Sand; QC Prepared: 01/02/2019; QC Analyzed: 01/03/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	496	99.2	500	505	101	1.8	75-125	<20	
Surrogates										
Chlorobenzene	100	101	101	100	102	102	<1	75-125	<20	



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Site

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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 10

Project ID: 18-41-233-02

Project Name: McKinley Comp. Med.

AETL Job Number	Submitted	Client
95597	12/28/2018	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 123118OB1; Dup or Spiked Sample: 95597.01A; LCS: Clean Sand; QC Prepared: 12/31/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	1.00	100	1.00	1.01	101	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0555	111	0.0500	0.0535	107	3.7	75-125	<20

QC Batch No: 123118OB1; Dup or Spiked Sample: 95597.01A; LCS: Clean Sand; QC Prepared: 12/31/2018; QC Analyzed: 12/31/2018;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	1.01	101	1.00	0.995	99.5	1.5	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0535	107	0.0500	0.0570	114	6.3	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 7

Date Received 12/31/2018

Date Reported 01/08/2019

Telephone: (626)930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95598	12/31/2018	CONVRS

Project ID: 18-41-233-02
Project Name: McKinley Comp. Mod.
Site: McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Enclosed please find results of analyses of 7 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



86556

AETL JOB No.

Page 1 of 2

COMPANY
CONVERSE

PROJECT MANAGER
JRT

COMPANY ADDRESS
717 S. MYRTLE AV

PHONE
626 930-1234

FAX

PROJECT NAME
McKinley Comp Mod

PROJECT #
1B-41-233-02

SITE NAME AND ADDRESS
McKinley Es
7812 McKinley Av. LA CA 90001

PO #

SAMPLE ID

LAB ID

DATE

TIME

MATRIX

CONTAINER NUMBER/SIZE

PRES.

1

53-03-05

2

63-03-05

3

55-03

4

DUP1-0.5

95598.01

12/27/18

SOIL

1JAR

5

DUP1-2.0

95598.02

6

DUP1-3.0

95598.03

7

DUP2-0.5

95598.04

12/27/18

4 SLEEVE

8

DUP2-2.0

95598.05

9

DUP2-3.0

95598.06

10

DUP3-0.5

95598.07

12/27/18

4 SLEEVE

11

DUP3-2.0

95598.08

12

DUP3-3.0

95598.09

13

DUP4-0.5

95598.10

12/28/18

4 SLEEVE

14

DUP4-2.0

95598.11

15

DUP4-3.0

95598.12

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS
12

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

NORMAL ☐ RUSH ☐

SAME DAY ☐

NEXT DAY ☐

2 DAYS ☐

3 DAYS ☐

DATA DELIVERABLE REQUIRED

☒ HARD COPY

☐ PDF

☐ GEOTRACKER (GLOBAL ID)

☐ OTHER (PLEASE SPECIFY)

RELINQUISHED BY SAMPLER

Signature: [Signature]

Printed Name: [Name]

Date: 12-31-18

Time: 1100

RECEIVED BY: 1.

Signature: [Signature]

Printed Name: [Name]

Date: 12-31-18

Time: 1100

RELINQUISHED BY

Signature: [Signature]

Printed Name: [Name]

Date: 12-31-18

Time: 1315

RECEIVED BY LABORATORY: 2.

Signature: [Signature]

Printed Name: [Name]

Date: 12-31-18

Time: 1315

ANALYSIS REQUESTED

EP66020 A

EP66010 PB

TEST INSTRUCTIONS & COMMENTS

AETL JOB No. 95598

Page 1 of 2

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CHAIN OF CUSTODY RECORD

110341

95598

AETL JOB No.

Page 2 of 2

COMPANY CONNOR		PROJECT MANAGER JRZ				
COMPANY ADDRESS 717 S. MYRTLE		PHONE 626 930 1234	FAX			
PROJECT NAME McKinley Comp Mod		PROJECT # 18-AI-233-01				
SITE NAME AND ADDRESS McKinley ES 7312 McKinley Av. LA CA 90001		PO #				
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 DOP5-0.5	95598-13	12/28/18		SOIL	SLEEVE	
2 DOP5-2.0	95598-14					
3 DOP5-3.0	95598-15					
4 DOP6-0.5	95598-16				JAR	
5 DOP6-2.0	95598-17					
6 DOP6-3.0	95598-18					
7 DOP7-0.5	95598-19					
8 DOP7-2.0	95598-20					
9 DOP7-3.0	95598-21					
10						
11						
12						
13						
14						
15						
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY						
TOTAL NUMBER OF CONTAINERS 9		PROPERLY COOLED <input checked="" type="radio"/> Y / N / NA		RELINQUISHED BY SAMPLER: JED		
CUSTODY SEALS <input checked="" type="radio"/> Y / N / NA		SAMPLES INTACT <input checked="" type="radio"/> Y / N / NA		Signature: [Signature]		
RECEIVED IN GOOD COND. <input checked="" type="radio"/> Y / N		SAMPLES ACCEPTED <input checked="" type="radio"/> Y / N		Printed Name: JOHN ZIGLER		
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		Date: 12-31-18 Time: 11:00		
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS		RECEIVED BY: 1.		
		<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		Signature: [Signature]		
				Printed Name: Theresa Lohman		
				Date: 12-31-18 Time: 13:15		
				RECEIVED BY: 2.		
				Signature: [Signature]		
				Printed Name: AD		
				Date: 12/31/18 Time: 13:15		
RELINQUISHED BY: 3.						
Signature: [Signature]						
Printed Name: Theresa Lohman						
Date: 12-31-18 Time: 13:15						
RECEIVED BY: LABORATORY: AETL						
Signature: [Signature]						
Printed Name: AD						
Date: 12/31/18 Time: 13:15						

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



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COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>95598</u>			
Date Received: <u>12/31/18</u>		Received by: <u>Art</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <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 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): <u>Sleeves</u>			
How are samples preserved: <input type="checkbox"/> None, <input type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<u>None</u> , <u>HNO₃</u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na₂S₂O₃</u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>Y</u>		
2. Are the Sample labels legible?	<u>Y</u>		
3. Do samples match the COC?	<u>Y</u>		
4. Are the required analyses clear?	<u>Y</u>		
5. Is there enough samples for required analysis?	<u>Y</u>		
6. Are samples sealed with evidence tape?		<u>Y</u>	
7. Are sample containers in good condition?	<u>Y</u>		
8. Are samples preserved?	<u>Y</u>		
9. Are samples preserved properly for the intended analysis?	<u>Y</u>		
10. Are the VOAs free of headspace?	<u>MS</u>		
11. Are the jars free of headspace?	<u>Y</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/31/2018
Date Reported 01/08/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95598	12/31/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 21 samples with the following specification on 12/31/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
95598.01	DUP1-0.5	12/27/2018	Soil	1		
95598.04	DUP2-0.5	12/27/2018	Soil	1		
95598.07	DUP3-0.5	12/27/2018	Soil	1		
95598.10	DUP4-0.5	12/28/2018	Soil	1		
95598.13	DUP5-0.5	12/28/2018	Soil	1		
95598.16	DUP6-0.5	12/28/2018	Soil	1		
95598.19	DUP7-0.5	12/28/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		01/07/2019	2	Normal	mg/Kg
	(6020) ^ AS		01/07/2019	2	Normal	mg/Kg
95598.02	DUP1-2.0	12/27/2018	Soil	1		
95598.03	DUP1-3.0	12/27/2018	Soil	1		
95598.05	DUP2-2.0	12/27/2018	Soil	1		
95598.06	DUP2-3.0	12/27/2018	Soil	1		
95598.08	DUP3-2.0	12/27/2018	Soil	1		
95598.09	DUP3-3.0	12/27/2018	Soil	1		
95598.11	DUP4-2.0	12/28/2018	Soil	1		
95598.12	DUP4-3.0	12/28/2018	Soil	1		
95598.14	DUP5-2.0	12/28/2018	Soil	1		
95598.15	DUP5-3.0	12/28/2018	Soil	1		
95598.17	DUP6-2.0	12/28/2018	Soil	1		
95598.18	DUP6-3.0	12/28/2018	Soil	1		
95598.20	DUP7-2.0	12/28/2018	Soil	1		
95598.21	DUP7-3.0	12/28/2018	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	ARCHIVE		01/07/2019	2	Normal	--

Continued



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Page: 1 B

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 18-41-233-02
Date Received 12/31/2018
Date Reported 01/08/2019

Telephone: (626) 930-1200

Attention: John Ziegler

Job Number	Order Date	Client
95598	12/31/2018	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 2

Project ID: 18-41-233-02

Project Name: McKinley Comp. Mod.

AETL Job Number	Submitted	Client
95598	12/31/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0104192C6

Our Lab I.D.			Method Blank	95598.01	95598.04	95598.07	95598.10
Client Sample I.D.				DUP1-0.5	DUP2-0.5	DUP3-0.5	DUP4-0.5
Date Sampled				12/27/2018	12/27/2018	12/27/2018	12/28/2018
Date Prepared			01/04/2019	01/04/2019	01/04/2019	01/04/2019	01/04/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/04/2019	01/04/2019	01/04/2019	01/04/2019	01/04/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	114	2.97J	4.12J	6.43



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 3

Project ID: 18-41-233-02

Project Name: McKinley Comp. Mod.

AETL Job Number	Submitted	Client
95598	12/31/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0104192C6

Our Lab I.D.		95598.13	95598.16	95598.19		
Client Sample I.D.		DUP5-0.5	DUP6-0.5	DUP7-0.5		
Date Sampled		12/28/2018	12/28/2018	12/28/2018		
Date Prepared		01/04/2019	01/04/2019	01/04/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		01/04/2019	01/04/2019	01/04/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Lead	2.5	5.0	28.6	4.61J	8.00	



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 4

Project ID: 18-41-233-02

Project Name: McKinley Comp. Mod.

AETL Job Number	Submitted	Client
95598	12/31/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0103191C1

Our Lab I.D.			Method Blank	95598.01	95598.04	95598.07	95598.10
Client Sample I.D.				DUP1-0.5	DUP2-0.5	DUP3-0.5	DUP4-0.5
Date Sampled				12/27/2018	12/27/2018	12/27/2018	12/28/2018
Date Prepared			01/03/2019	01/03/2019	01/03/2019	01/03/2019	01/03/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			01/05/2019	01/05/2019	01/05/2019	01/05/2019	01/05/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.05	0.10	ND	7.91	0.955	1.27	1.23



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ANALYTICAL RESULTS

Ordered By

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717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 5

Project ID: 18-41-233-02

Project Name: McKinley Comp. Mod.

AETL Job Number	Submitted	Client
95598	12/31/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0103191C1

Our Lab I.D.		95598.13	95598.16	95598.19		
Client Sample I.D.		DUP5-0.5	DUP6-0.5	DUP7-0.5		
Date Sampled		12/28/2018	12/28/2018	12/28/2018		
Date Prepared		01/03/2019	01/03/2019	01/03/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		01/05/2019	01/05/2019	01/05/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Arsenic	0.05	0.10	1.78	0.966	20.1	



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QUALITY CONTROL RESULTS

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Site

McKinley ES
7812 McKinley Ave.
Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 6

Project ID: 18-41-233-02

Project Name: McKinley Comp. Mod.

AETL Job Number	Submitted	Client
95598	12/31/2018	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0104192C6; Dup or Spiked Sample: 95598.01; LCS: Clean Sand; QC Prepared: 01/04/2019; QC Analyzed: 01/04/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	114	50.0	140 M	52.0	50.0	140 M	52.0	<1	75-125	<15

QC Batch No: 0104192C6; Dup or Spiked Sample: 95598.01; LCS: Clean Sand; QC Prepared: 01/04/2019; QC Analyzed: 01/04/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	47.7	95.4	50.0	48.4	96.8	1.5	75-125	<15	



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QUALITY CONTROL RESULTS

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Los Angeles, CA 90001

Telephone: (626)930-1200

Attn: John Ziegler

Page: 7

Project ID: 18-41-233-02

Project Name: McKinley Comp. Mod.

AETL Job Number	Submitted	Client
95598	12/31/2018	CONVRS

Method: (6020), Arsenic by ICP/MS

QC Batch No: 0103191C1; Dup or Spiked Sample: 95598.01; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/05/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	7.91	10.0	17.7	97.9	10.0	17.8	98.9	1.0	80-120	<15

QC Batch No: 0103191C1; Dup or Spiked Sample: 95598.01; LCS: Clean Sand; QC Prepared: 01/03/2019; QC Analyzed: 01/05/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	10.0	9.20	92.0	10.0	9.58	95.8	4.0	80-120	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



LA Testing

520 Mission Street, South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com>

pasadenalab@lateesting.com

LA Testing Order: 321900413

CustomerID: 32CONV56

CustomerPO:

ProjectID:

Attn: **John Ziegler**
Converse Consultants
717 S Myrtle Avenue
Monrovia, CA 91016

Phone: (626) 930-1200
Fax: (626) 930-1212
Received: 01/03/19 4:45 PM
Analysis Date: 1/10/2019
Collected:

Project: 18-41-233-02 LAUSD/McKinley ES

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

Sample	Description	Appearance	Result	Notes
S3E1 0.5 321900413-0001	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
S3W2 0.5 321900413-0002	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
S4S2 0.5 321900413-0003	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
S2N2 0.5 321900413-0004	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
S5W1 0.5 321900413-0005	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
PG11 0.5 321900413-0006	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
PG2 0.5 321900413-0007	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
PG8 0.5 321900413-0008	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
PG19 0.5 321900413-0009	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	

Analyst(s)

Guillermo Hernandez (5)
Rosa Mendoza (10)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA

Initial report from 01/10/2019 10:59:43



LA Testing

520 Mission Street, South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com>

pasadenalab@latesting.com

LA Testing Order: 321900413

CustomerID: 32CONV56

CustomerPO:

ProjectID:

Attn: **John Ziegler**
Converse Consultants
717 S Myrtle Avenue
Monrovia, CA 91016

Phone: (626) 930-1200
Fax: (626) 930-1212
Received: 01/03/19 4:45 PM
Analysis Date: 1/10/2019
Collected:

Project: 18-41-233-02 LAUSD/McKinley ES

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

Sample	Description	Appearance	Result	Notes
PG24 0.5 321900413-0010	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
S7N1 0.5 321900413-0011	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
S7S5 0.5 321900413-0012	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
S9W1 0.5 321900413-0013	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
S5N2 0.5 321900413-0014	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	
PG20 0.5 321900413-0015	Soil Depth 0.5 ft.	Brown Non-Fibrous Homogeneous	None Detected	

This is a qualitative soil analysis method. Due to the heterogeneity of the samples there is a significant chance for quantification errors and/or false negatives with this method.

Analyst(s)

Guillermo Hernandez (5)
Rosa Mendoza (10)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA

Initial report from 01/10/2019 10:59:43



Asbestos Chain of Custody

LA Testing Order Number (Lab Use Only):

#321900413

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Company : Converse Consultants		LA Testing-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 717 S Myrtle Avenue		Third Party Billing requires written authorization from third party	
City: Monrovia	State/Province: CA	Zip/Postal Code: 91061	Country: USA
Report To (Name): John Ziegler		Fax #:	
Telephone #: (626) 807-3416		Email Address: jziegler@converseconsultants.com	
Project Name/Number: 18-41-233-02 LAUSD/McKinley ES			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken:
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*For TEM Air 3 hours through 6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.</small>			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) Other: <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group			
Samplers Name:		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
S3 E1 0.5'	Soil Depth - 0.5 ft		
S3 W2 0.5'			
S4 S2 0.5'			
S2 N2 0.5'			
S5 W1 0.5'			
PG 11 0.5'			
PG 2 0.5'			
PG 8 0.5'			
Client Sample # (s): -		Total # of Samples: 15	
Relinquished (Client): <i>[Signature]</i>		Date: 1/3/19	Time: 16:43
Received (Lab): T-P (WI)		Date: 1-3-19	Time: 4:45pm
Comments/Special Instructions: PLM Qualitative Analysis for Soils			



Asbestos Chain of Custody

LA Testing Order Number (Lab Use Only):

#321900413

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
PG19 0.5	Soil Depth 0.5 ft.		
PG24 0.5			
S7N1 0.5			
S7S5 0.5			
S9W1 0.5			
S5N2 0.5			
PG20 0.5			
*Comments/Special Instructions:			

ProUCL Calculations

Appendix E



UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation 1/15/2019 7:58:17 AM

From File WorkSheet.xls

Full Precision OFF

Confidence Coefficient 95%

Number of Bootstrap Operations 2000

Pb

General Statistics

Total Number of Observations	52	Number of Distinct Observations	48
Number of Detects	47	Number of Non-Detects	5
Number of Distinct Detects	47	Number of Distinct Non-Detects	1
Minimum Detect	2.88	Minimum Non-Detect	2.5
Maximum Detect	114	Maximum Non-Detect	2.5
Variance Detects	444.1	Percent Non-Detects	9.615%
Mean Detects	21.84	SD Detects	21.07
Median Detects	17.5	CV Detects	0.965
Skewness Detects	2.155	Kurtosis Detects	6.776
Mean of Logged Detects	2.673	SD of Logged Detects	0.939

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.792	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.946	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.184	Lilliefors GOF Test
5% Lilliefors Critical Value	0.129	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	19.98	Standard Error of Mean	2.891
SD	20.62	95% KM (BCA) UCL	24.8
95% KM (t) UCL	24.83	95% KM (Percentile Bootstrap) UCL	25.06
95% KM (z) UCL	24.74	95% KM Bootstrap t UCL	26.23
90% KM Chebyshev UCL	28.66	95% KM Chebyshev UCL	32.58
97.5% KM Chebyshev UCL	38.04	99% KM Chebyshev UCL	48.75

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.814	Anderson-Darling GOF Test
5% A-D Critical Value	0.771	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.141	Kolmogrov-Smirnoff GOF
5% K-S Critical Value	0.132	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.359	k star (bias corrected MLE)	1.286
Theta hat (MLE)	16.08	Theta star (bias corrected MLE)	16.98
nu hat (MLE)	127.7	nu star (bias corrected)	120.9
MLE Mean (bias corrected)	21.84	MLE Sd (bias corrected)	19.26

Gamma Kaplan-Meier (KM) Statistics

	A	B	C	D	E	F	G	H	I	J	K	L
53					k hat (KM)	0.939					nu hat (KM)	97.63
54					Approximate Chi Square Value (97.63, α)	75.84					Adjusted Chi Square Value (97.63, β)	75.29
55					95% Gamma Approximate KM-UCL (use when $n \geq 50$)	25.73					95% Gamma Adjusted KM-UCL (use when $n < 50$)	25.91
56												
57					Gamma ROS Statistics using Imputed Non-Detects							
58					GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs							
59					GROS may not be used when kstar of detected data is small such as < 0.1							
60					For such situations, GROS method tends to yield inflated values of UCLs and BTVs							
61					For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates							
62					Minimum	0.01					Mean	19.74
63					Maximum	114					Median	11.45
64					SD	21.04					CV	1.066
65					k hat (MLE)	0.61					k star (bias corrected MLE)	0.588
66					Theta hat (MLE)	32.35					Theta star (bias corrected MLE)	33.58
67					nu hat (MLE)	63.47					nu star (bias corrected)	61.14
68					MLE Mean (bias corrected)	19.74					MLE Sd (bias corrected)	25.75
69											Adjusted Level of Significance (β)	0.0454
70					Approximate Chi Square Value (61.14, α)	44.16					Adjusted Chi Square Value (61.14, β)	43.75
71					95% Gamma Approximate UCL (use when $n \geq 50$)	27.34					95% Gamma Adjusted UCL (use when $n < 50$)	27.59
72												
73					Lognormal GOF Test on Detected Observations Only							
74					Shapiro Wilk Test Statistic	0.953					Shapiro Wilk GOF Test	
75					5% Shapiro Wilk Critical Value	0.946					Detected Data appear Lognormal at 5% Significance Level	
76					Lilliefors Test Statistic	0.12					Lilliefors GOF Test	
77					5% Lilliefors Critical Value	0.129					Detected Data appear Lognormal at 5% Significance Level	
78					Detected Data appear Lognormal at 5% Significance Level							
79												
80					Lognormal ROS Statistics Using Imputed Non-Detects							
81					Mean in Original Scale	19.91					Mean in Log Scale	2.464
82					SD in Original Scale	20.89					SD in Log Scale	1.105
83					95% t UCL (assumes normality of ROS data)	24.76					95% Percentile Bootstrap UCL	24.94
84					95% BCA Bootstrap UCL	26.29					95% Bootstrap t UCL	26.01
85					95% H-UCL (Log ROS)	31.52						
86												
87					UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed							
88					KM Mean (logged)	2.504					95% H-UCL (KM -Log)	28.88
89					KM SD (logged)	1.024					95% Critical H Value (KM-Log)	2.337
90					KM Standard Error of Mean (logged)	0.144						
91												
92					DL/2 Statistics							
93					DL/2 Normal						DL/2 Log-Transformed	
94					Mean in Original Scale	19.86					Mean in Log Scale	2.437
95					SD in Original Scale	20.93					SD in Log Scale	1.152
96					95% t UCL (Assumes normality)	24.73					95% H-Stat UCL	33.18
97					DL/2 is not a recommended method, provided for comparisons and historical reasons							
98												
99					Nonparametric Distribution Free UCL Statistics							
100					Detected Data appear Lognormal Distributed at 5% Significance Level							
101												
102					Suggested UCL to Use							
103					95% KM (Chebyshev) UCL	32.58						
104												

	A	B	C	D	E	F	G	H	I	J	K	L
105	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
106	Recommendations are based upon data size, data distribution, and skewness.											
107	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
108	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
109												

	A	B	C	D	E	F	G	H	I	J	K	L
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UCL Statistics for Uncensored Full Data Sets

User Selected Options

Date/Time of Computation 1/15/2019 7:50:36 AM

From File WorkSheet.xls

Full Precision OFF

Confidence Coefficient 95%

Number of Bootstrap Operations 2000

As

General Statistics

Total Number of Observations	90	Number of Distinct Observations	89
		Number of Missing Observations	0
Minimum	0.606	Mean	6.129
Maximum	77.6	Median	2.78
SD	12.03	Std. Error of Mean	1.268
Coefficient of Variation	1.963	Skewness	4.329

Normal GOF Test

Shapiro Wilk Test Statistic	0.459	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.326	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0934	Data Not Normal at 5% Significance Level	

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	8.237	95% Adjusted-CLT UCL (Chen-1995)	8.834
		95% Modified-t UCL (Johnson-1978)	8.334

Gamma GOF Test

A-D Test Statistic	5.194	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.792	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.189	Kolmogrov-Smirnoff Gamma GOF Test	
5% K-S Critical Value	0.0978	Data Not Gamma Distributed at 5% Significance Level	

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.777	k star (bias corrected MLE)	0.758
Theta hat (MLE)	7.892	Theta star (bias corrected MLE)	8.084
nu hat (MLE)	139.8	nu star (bias corrected)	136.5
MLE Mean (bias corrected)	6.129	MLE Sd (bias corrected)	7.039
		Approximate Chi Square Value (0.05)	110.5
Adjusted Level of Significance	0.0473	Adjusted Chi Square Value	110.1

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	7.571	95% Adjusted Gamma UCL (use when n<50)	7.597
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Lognormal GOF Test


Shapiro Wilk Test Statistic	0.923	Shapiro Wilk Lognormal GOF Test	
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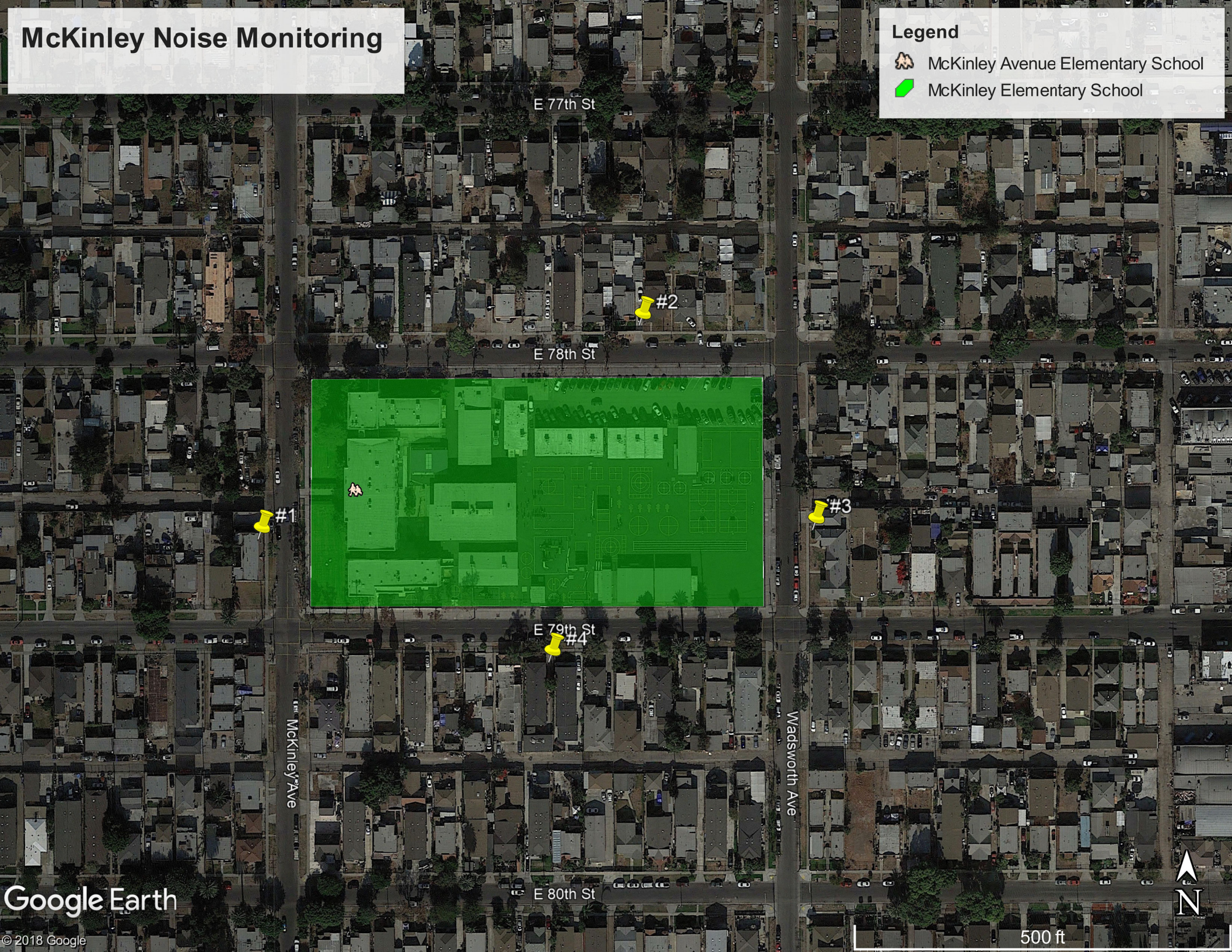
[illegible]

McKinley Noise Monitoring

Legend

 McKinley Avenue Elementary School

 McKinley Elementary School



Summary

File Name on Meter LxT_Data.005
File Name on PC SLM_0005667_LxT_Data_005.01.ldbin
Serial Number 0005667
Model SoundTrack LxT®
Firmware Version 2.302
User ISI
Location #1
Job Description McKinley ES
Note

Measurement

Description
Start 2018-11-07 15:17:28
Stop 2018-11-07 15:32:28
Duration 00:15:00.0
Run Time 00:15:00.0
Pause 00:00:00.0

Pre Calibration 2018-11-01 09:59:25
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight Z Weighting
Detector Slow
Preamp PRMLxT1
Microphone Correction Off
Integration Method Linear
OBA Range Low
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum Bin Max
Overload 144.2 dB

A C Z
Under Range Peak 100.5 97.5 102.5 dB
Under Range Limit 49.5 47.5 55.5 dB
Noise Floor 36.4 37.0 44.6 dB

Results

LAeq 62.8 dB
LAE 92.3 dB
EA 189.309 $\mu\text{Pa}^2\text{h}$
EA8 6.058 mPa^2h
EA40 30.289 mPa^2h
LZpeak (max) 2018-11-07 15:21:57 99.7 dB
LASmax 2018-11-07 15:31:59 77.5 dB
LASmin 2018-11-07 15:22:48 51.3 dB
SEA -99.9 dB

LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCeq 71.4 dB
LAeq 62.8 dB
LCeq - LAeq 8.7 dB
LAleq 65.1 dB
LAeq 62.8 dB
LAleq - LAeq 2.3 dB

Leq

LS(max)

LS(min)

LPeak(max)

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
62.8		71.4			
77.5	2018/11/07 15:31:59				
51.3	2018/11/07 15:22:48				
				99.7	2018/11/07 15:21:57

Overloads

Overload Duration 0.0 s

# OBA Overloads	0
OBA Overload Duration	0.0 s

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results

Dose	-99.9	-99.9 %
Projected Dose	-99.9	-99.9 %
TWA (Projected)	-99.9	-99.9 dB
TWA (t)	-99.9	-99.9 dB
Lep (t)	47.7	47.7 dB

Statistics

LAS5.00	70.5 dB
LAS10.00	66.5 dB
LAS33.30	57.4 dB
LAS50.00	55.7 dB
LAS66.60	54.2 dB
LAS90.00	52.7 dB

Summary

File Name on Meter LxT_Data.006
File Name on PC SLM_0005667_LxT_Data_006.01.ldbin
Serial Number 0005667
Model SoundTrack LxT®
Firmware Version 2.302
User ISI
Location #2
Job Description McKinley ES
Note

Measurement

Description
Start 2018-11-07 15:37:23
Stop 2018-11-07 15:52:23
Duration 00:15:00.0
Run Time 00:15:00.0
Pause 00:00:00.0

Pre Calibration 2018-11-01 09:59:25
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight Z Weighting
Detector Slow
Preamp PRMLxT1
Microphone Correction Off
Integration Method Linear
OBA Range Low
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum Bin Max
Overload 144.2 dB

A C Z
Under Range Peak 100.5 97.5 102.5 dB
Under Range Limit 49.5 47.5 55.5 dB
Noise Floor 36.4 37.0 44.6 dB

Results

LAeq 61.8 dB
LAE 91.3 dB
EA 150.717 $\mu\text{Pa}^2\text{h}$
EA8 4.823 mPa^2h
EA40 24.115 mPa^2h
LZpeak (max) 2018-11-07 15:49:18 102.3 dB
LASmax 2018-11-07 15:46:12 76.2 dB
LASmin 2018-11-07 15:50:57 46.7 dB
SEA -99.9 dB

LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCeq 73.0 dB
LAeq 61.8 dB
LCeq - LAeq 11.2 dB
LAleq 65.0 dB
LAeq 61.8 dB
LAleq - LAeq 3.2 dB

Leq
LS(max)
LS(min)
LPeak(max)

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
61.8		73.0			
76.2	2018/11/07 15:46:12				
46.7	2018/11/07 15:50:57				
				102.3	2018/11/07 15:49:18

Overloads 0
Overload Duration 0.0 s

# OBA Overloads	0
OBA Overload Duration	0.0 s

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results

Dose	-99.9	-99.9 %
Projected Dose	-99.9	-99.9 %
TWA (Projected)	-99.9	-99.9 dB
TWA (t)	-99.9	-99.9 dB
Lep (t)	46.7	46.7 dB

Statistics

LAS5.00	69.2 dB
LAS10.00	66.0 dB
LAS33.30	57.0 dB
LAS50.00	54.2 dB
LAS66.60	52.1 dB
LAS90.00	49.4 dB

Summary

File Name on Meter LxT_Data.007
File Name on PC SLM_0005667_LxT_Data_007.01.ldbin
Serial Number 0005667
Model SoundTrack LxT®
Firmware Version 2.302
User ISI
Location #3
Job Description McKinley ES
Note

Measurement

Description
Start 2018-11-07 15:55:39
Stop 2018-11-07 16:10:39
Duration 00:15:00.0
Run Time 00:15:00.0
Pause 00:00:00.0

Pre Calibration 2018-11-01 09:59:25
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight Z Weighting
Detector Slow
Preamp PRMLxT1
Microphone Correction Off
Integration Method Linear
OBA Range Low
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum Bin Max
Overload 144.2 dB

A C Z
Under Range Peak 100.5 97.5 102.5 dB
Under Range Limit 49.5 47.5 55.5 dB
Noise Floor 36.4 37.0 44.6 dB

Results

LAeq 62.3 dB
LAE 91.8 dB
EA 169.479 $\mu\text{Pa}^2\text{h}$
EA8 5.423 mPa^2h
EA40 27.117 mPa^2h
LZpeak (max) 2018-11-07 16:05:54 100.1 dB
LASmax 2018-11-07 16:05:55 75.2 dB
LASmin 2018-11-07 16:05:13 51.5 dB
SEA -99.9 dB

LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCeq 72.0 dB
LAeq 62.3 dB
LCeq - LAeq 9.7 dB
LAleq 64.9 dB
LAeq 62.3 dB
LAleq - LAeq 2.6 dB

Leq

LS(max)

LS(min)

LPeak(max)

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
62.3		72.0			
75.2	2018/11/07 16:05:55				
51.5	2018/11/07 16:05:13				
				100.1	2018/11/07 16:05:54

Overloads

Overload Duration 0.0 s

# OBA Overloads	0
OBA Overload Duration	0.0 s

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results

Dose	-99.9	-99.9 %
Projected Dose	-99.9	-99.9 %
TWA (Projected)	-99.9	-99.9 dB
TWA (t)	-99.9	-99.9 dB
Lep (t)	47.2	47.2 dB

Statistics

LAS5.00	68.2 dB
LAS10.00	66.4 dB
LAS33.30	60.6 dB
LAS50.00	58.2 dB
LAS66.60	56.5 dB
LAS90.00	54.3 dB

Summary

File Name on Meter LxT_Data.008
File Name on PC SLM_0005667_LxT_Data_008.00.ldbin
Serial Number 0005667
Model SoundTrack LxT®
Firmware Version 2.302
User ISI
Location #4
Job Description McKinley ES
Note

Measurement

Description
Start 2018-11-07 16:14:24
Stop 2018-11-07 16:29:24
Duration 00:15:00.0
Run Time 00:14:43.2
Pause 00:00:16.8

Pre Calibration 2018-11-01 09:59:25
Post Calibration None
Calibration Deviation ---

Overall Settings

RMS Weighting A Weighting
Peak Weighting Z Weighting
Detector Slow
Preamp PRMLxT1
Microphone Correction Off
Integration Method Linear
OBA Range Low
OBA Bandwidth 1/1 and 1/3
OBA Freq. Weighting A Weighting
OBA Max Spectrum Bin Max
Overload 144.2 dB

A C Z
Under Range Peak 100.5 97.5 102.5 dB
Under Range Limit 49.5 47.5 55.5 dB
Noise Floor 36.4 37.0 44.6 dB

Results

LAeq 65.2 dB
LAE 94.6 dB
EA 322.023 µPa²h
EA8 10.501 mPa²h
EA40 52.504 mPa²h
LZpeak (max) 2018-11-07 16:21:18 99.5 dB
LASmax 2018-11-07 16:29:16 75.2 dB
LASmin 2018-11-07 16:17:22 52.6 dB
SEA -99.9 dB

LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s
LZpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCeq 73.7 dB
LAeq 65.2 dB
LCeq - LAeq 8.5 dB
LAleq 67.0 dB
LAeq 65.2 dB
LAleq - LAeq 1.9 dB

Leq
LS(max)
LS(min)
LPeak(max)

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
65.2		73.7			
75.2	2018/11/07 16:29:16				
52.6	2018/11/07 16:17:22				
				99.5	2018/11/07 16:21:18

Overloads 0
Overload Duration 0.0 s

# OBA Overloads	0
OBA Overload Duration	0.0 s

Dose Settings		
Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results		
Dose	-99.9	-99.9 %
Projected Dose	-99.9	-99.9 %
TWA (Projected)	-99.9	-99.9 dB
TWA (t)	-99.9	-99.9 dB
Lep (t)	50.0	50.0 dB

Statistics	
LAS5.00	70.5 dB
LAS10.00	68.8 dB
LAS33.30	65.0 dB
LAS50.00	63.1 dB
LAS66.60	60.5 dB
LAS90.00	55.1 dB

McKinley ES Modernization - Construction Noise - Unmitigated

Reference Noise Distance 50

Reference Noise Level 90

Sensitive Receptor	Distance (feet)	Attenuation Factors	Maximum Construction Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase
Residences to the East	70	6	81.1	62.3	81.1	18.8
Residences to the North	70	6	81.1	61.8	81.1	19.3
Residences to the South	75	6	80.5	65.2	80.6	15.4
Residences to the West	100	6	78.0	62.8	78.1	15.3
The Salvation Army Childcare	750	9	57.5	61.8	63.2	1.4
St Reed Missionary Baptist Church	800	9	56.9	62.8	63.8	1.0

A 6 dBA attenuation was given for hard ground surface, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

McKinley ES Modernization - Construction Noise - Mitigated

Reference Noise Distance 50

Reference Noise Level 90

Sensitive Receptor	Distance (feet)	Mitigation Factors	Attenuation Factors	Maximum Construction Noise Level (dBA)	Existing Ambient (dBA, Leq)	New Ambient (dBA, Leq)	Increase
Residences to the East	70	17	6	64.1	62.3	66.3	4.0
Residences to the North	70	17	6	64.1	61.8	66.1	4.3
Residences to the South	75	17	6	63.5	65.2	67.4	2.2
Residences to the West	100	17	6	61.0	62.8	65.0	2.2
The Salvation Army Childcare	750	17	9	40.5	61.8	61.8	0.0
St Reed Missionary Baptist Church	800	17	9	52.0	62.8	63.1	0.3

A 3 dBA reduction was given for mufflers.

A 14 dBA reduction was given for noise attenuating barrier + acoustical blanket.

A 6 dBA attenuation was given for hard ground surface, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

McKinley ES	Residences to the East
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)
Vibration PPV	
Ref=	0.089 Based on type of equipment
RefD=	25
D=	70 Distance from equipment to sensitive receptor
Equip=	0.019
Annoyance VdB	
Ref=	87 Based on type of equipment
RefD=	25
D=	70 Distance from equipment to sensitive receptor
Equip=	74
Peak demolition vibration based on utilizing a large bulldozer.	
Source: FTA Tranist Noise and Vibration Impact Assessment, 2006.	

McKinley ES	Residences to the North
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)
Vibration PPV	
Ref=	0.089 Based on type of equipment
RefD=	25
D=	70 Distance from equipment to sensitive receptor
Equip=	0.019
Annoyance VdB	
Ref=	87 Based on type of equipment
RefD=	25
D=	70 Distance from equipment to sensitive receptor
Equip=	74
Peak demolition vibration based on utilizing a large bulldozer.	
Source: FTA Tranist Noise and Vibration Impact Assessment, 2006.	

McKinley ES	Residences to the South
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)
Vibration PPV	
Ref=	0.089 Based on type of equipment
RefD=	25
D=	75 Distance from equipment to sensitive receptor
Equip=	0.017
Annoyance VdB	
Ref=	87 Based on type of equipment
RefD=	25
D=	75 Distance from equipment to sensitive receptor
Equip=	73
Peak demolition vibration based on utilizing a large bulldozer.	
Source: FTA Tranist Noise and Vibration Impact Assessment, 2006.	

McKinley ES	Residences to the West
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)
Vibration PPV	
Ref=	0.089 Based on type of equipment
RefD=	25
D=	100 Distance from equipment to sensitive receptor
Equip=	0.011
Annoyance VdB	
Ref=	87 Based on type of equipment
RefD=	25
D=	100 Distance from equipment to sensitive receptor
Equip=	69
Peak demolition vibration based on utilizing a large bulldozer.	
Source: FTA Tranist Noise and Vibration Impact Assessment, 2006.	

McKinley ES	The Salvation Army Childcare
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)
Vibration PPV	
Ref=	0.089 Based on type of equipment
RefD=	25
D=	750 Distance from equipment to sensitive receptor
Equip=	0.001
Annoyance VdB	
Ref=	87 Based on type of equipment
RefD=	25
D=	750 Distance from equipment to sensitive receptor
Equip=	43
Peak demolition vibration based on utilizing a large bulldozer.	
Source: FTA Tranist Noise and Vibration Impact Assessment, 2006.	

McKinley ES	St Reed Missionary Baptist Church
Ref=	Reference vibration level (PPV)
RefD=	Reference distance for Reference vibration level (Feet)
Vibration PPV	
Ref=	0.089 Based on type of equipment
RefD=	25
D=	800 Distance from equipment to sensitive receptor
Equip=	0.000
Annoyance VdB	
Ref=	87 Based on type of equipment
RefD=	25
D=	800 Distance from equipment to sensitive receptor
Equip=	42
Peak demolition vibration based on utilizing a large bulldozer.	
Source: FTA Tranist Noise and Vibration Impact Assessment, 2006.	

Site Circulation Report

LAUSD SCHOOL MODERNIZATION PROJECT -
MCKINLEY AVENUE ELEMENTARY SCHOOL



LIN Consulting, Inc.

Traffic, Civil, and Electrical Consulting Engineers

Prepared by:
LIN Consulting, Inc.

For:
ESA
Los Angeles Unified School District

October 17, 2018



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1.0 INTRODUCTION

The purpose of this report is to document existing traffic and circulation at McKinley Avenue Elementary School (McKinley Avenue ES), located at 7812 McKinley Avenue in the Florence neighborhood within the City of Los Angeles. McKinley Avenue ES is a kindergarten through sixth grade elementary school within the Los Angeles Unified School District's (LAUSD) Local District South. This report summarizes existing conditions, including circulation operations, for use in the facilities planning and design process for the McKinley Avenue ES Comprehensive Modernization Project.

Observations include conditions and operations at adjacent intersections and roadway segments, internal parking lots, and identified or reported issues. Other existing conditions recorded are general vehicular travel (including pick-up/drop-off operations), school bus, parking, transit, pedestrian, and bicycle activity. To aid this process, a safety audit (with an emphasis on walking) was performed within the campus and on the immediately surrounding streets. The audit encompasses observations during field visits from a professional civil engineering perspective. Walkability, accessibility, visibility, and safety of pedestrians and bicyclists around the perimeter of the school are some of the major site circulation elements that were evaluated in the audit. A follow-up interview regarding access, egress, and circulation at the school was conducted with the McKinley Avenue ES Principal Tanya Stokes Mack, on May 21, 2018.

This report concludes with observed deficiencies, major operational and/or circulation issues, and offers potential opportunities for improvements to site access and/or onsite circulation that can be explored further in the facilities planning process for the McKinley Avenue ES Comprehensive Modernization Project, as well as other future projects. **Appendix A** includes notes from the field review conducted on May 21, 2018, and **Appendix B** includes notes from the walk audits conducted on the same date. Selected photos depicting conditions described in this report are included in **Appendix C**. **Appendix D** provides additional information on circulation, such as traffic counts on record or suggested routes to school maps.

1.1 School and Neighborhood Description

The McKinley Avenue ES campus is located in the east section of the community of South Los Angeles, approximately 7 miles south of downtown Los Angeles. McKinley Avenue ES first opened its doors to students in 1925. Single-family and multi-family housing surrounds the immediate area of McKinley Avenue ES. A regular school day has a morning bell at 8:06 am

and afternoon bell at 2:30 pm. McKinley Avenue ES offers a breakfast program and an after-school program.

Per LAUSD demographic data, as of the 2017-2018 school year, McKinley Avenue ES had an enrollment of 771 students, with 95 staff members.

2.0 TRANSPORTION NETWORK

2.1 Streets and Intersections

The McKinley Avenue ES main campus is bound by East 79th Street to the south, Wadsworth Avenue to the east, East 78th Street to the north, and McKinley Avenue to the west. Roadway characteristics, including roadway classification identified in the City of Los Angeles *Mobility Plan 2035*,¹ study area roadways are provided below.

STUDY AREA ROADWAYS

McKinley Avenue is a north-south roadway classified as a Collector street with one travel lane in each direction and traversable surface width of approximately 30 feet between face of curb within the school zone, which is defined as “a designated roadway segment approaching, adjacent to, and beyond school buildings or grounds, or along which school related activities occur” in the California Manual on Uniform Traffic Control Devices (CA MUTCD) 2014 Edition. Curb parking is allowed all day, except Tuesdays from 8:00 am and 10:00 am on the west side, and Mondays from 8:00 am and 10:00 am on the east side (for street sweeping). No stopping is permitted on the east side between 7:00 am and 5:00 pm. There is no posted speed limit within the school zone, but a school zone sign is posted on southbound McKinley Avenue approximately 300 feet north of East 78th Street in accordance with Section 22352 of the California Vehicle Code. However, a school zone sign is not posted for the northbound direction south of East 79th Street. In accordance with California Vehicle Code, a school warning sign is required up to 500 feet away from school grounds indicating a speed limit of 25 mph when children are present. Trucks over 6,000 pounds are prohibited on this street. McKinley Avenue has approximately 300 feet of curb frontage between adjacent intersections.

East 79th Street is an east-west roadway classified as a Local (standard) street with one travel lane in each direction and traversable surface width of approximately 30 feet between face of curb within the school zone. Curb parking is allowed all day on the south side, except Tuesdays

¹ Los Angeles Department of City Planning. *Mobility Plan 2035* (California: Los Angeles, 2016)

from 8:00 am and 10:00 am. No parking is permitted all day on the north side due to parking regulation signing and red curb designation, since parking would block the westbound travel lane. The posted speed limit is 25 mph. School zone signs are posted on eastbound East 79th Street approximately 250 feet west of McKinley Avenue, and in the westbound direction approximately 275 feet east of Wadsworth Avenue, in accordance with Section 22352 of the California Vehicle Code. East 79th Street has approximately 600 feet of curb frontage between adjacent intersections.

Wadsworth Avenue is a north-south roadway classified as a Local (standard) street with one travel lane each direction and traversable surface width of approximately 30 feet between face of curb within the school zone. Curb parking is allowed all day, except Mondays from 8:00 am and 10:00 am on the west side, and Tuesdays from 8:00 am and 10:00 am on the east side. There is no posted speed limit, but school zone signs are posted on both northbound and southbound Wadsworth Avenue approximately 300 feet north of East 78th Street and south of East 79th Street, respectively, in accordance with Section 22352 of the California Vehicle Code. Wadsworth Avenue has approximately 300 feet of curb frontage between adjacent intersections.

East 78th Street is an east-west roadway classified as a Local (standard) street with one travel lane in each direction and traversable surface width of approximately 30 feet between face of curb within the school zone. There is no posted speed limit, but school zone signs are posted on eastbound and westbound East 78th Street approximately 300 feet west of McKinley Avenue and east of Wadsworth Avenue, respectively, in accordance with Section 22352 of the California Vehicle Code. Curb parking is allowed all day on the north side, except Tuesdays from 8:00 am and 10:00 am. On the south side, curb parking is allowed all day, except Mondays from 8:00 am and 10:00 am. On school days, parking along the south curb is restricted between McKinley Avenue and approximately 150 feet west of Wadsworth Avenue to two hours from 9:00 am to 1:30 pm. Passenger loading is only allowed from 6:30 am to 9:00 am and 1:30 pm to 4:00 pm. East 78th Street has approximately 600 feet of curb frontage between adjacent intersections.

STUDY AREA INTERSECTIONS

McKinley Avenue & East 79th Street is a signalized intersection with permissive left turns on all movements. The intersection operates under actuated-coordinated signal timings, with East 79th Street as the coordinated street. Pedestrian recall occurs along East 79th Street.

East 79th Street & Wadsworth Avenue is an unsignalized intersection with stop control on all movements.

Wadsworth Avenue & East 78th Street is an unsignalized intersection with stop control on all movements.

East 78th Street & McKinley Avenue is an unsignalized intersection with stop control on all movements.

Specific characteristics of each intersection, including lane configurations, can be found in **Appendix A**.

2.2 Transit

Bus transit stops and services (operators and routes) provided within the vicinity of McKinley Avenue ES are as follows:

- South Central Avenue
 - Northwest corner of East 79th Street
 - Metro 53 (Northbound)
 - Southeast corner of East 79th Street
 - Metro 53 (Southbound)
- Avalon Boulevard
 - Southwest corner of East 79th Street
 - Metro 51 (Northbound)
 - Metro 52 (Northbound)
 - Northeast corner of East 79th Street
 - Metro 51 (Southbound)
 - Metro 52 (Southbound)

Metro Local Route 51 and 52 operate seven days a week between Koreatown and Carson via Avalon Boulevard. Metro Local Route 53 operates seven days a week between Pershing Square and Carson via South Central Avenue.

2.3 Bicycle and Pedestrian Facilities

A Class III bikeway (bike route with shared roadway markings and signage) is provided on the eastbound side of East 79th Street in the school zone. Bicyclists share the roadway with vehicles in East 79th Street. No other bicycle facilities are provided in the school zone. No bicycle racks are provided on school grounds. Per the City of Los Angeles *Mobility Plan 2035*,²

² Los Angeles Department of City Planning. *Mobility Plan 2035* (California: Los Angeles, 2016)

McKinley Avenue is designated as part of the Neighborhood Enhanced Network within the school zone.

Sidewalks exist on both sides of McKinley Avenue, Wadsworth Avenue and East 78th Street within the school zone. Sidewalks exist on both sides of East 79th Street, but there is a sidewalk gap of approximately 25 feet on the south side of East 79th Street, approximately 150 feet west of the intersection with Wadsworth Avenue. Per the City of Los Angeles *Mobility Plan 2035*,³ East 79th Street is designated as part of the Bike Lane Network within the school zone.

According to McKinley Avenue ES administrators, few students or faculty bike to school regularly. Administrators also noted that approximately 100 to 150 students walk to school with their parents from the south side of East 78th Street.

2.4 Parks and Other Recreational Facilities

Franklin D. Roosevelt Park is approximately 1.3 miles east of McKinley Avenue ES. Green Meadows Recreation Center is approximately 1.2 miles south of McKinley Avenue ES.

2.5 Congestion Locations

During the morning drop off period, McKinley Avenue ES employs a “valet” drop-off service. A queue of approximately 190 feet was observed from the school gate on East 78th Street to the intersection of East 78th Street and McKinley Avenue. The “valet” service appears to function efficiently and orderly during the drop-off period, with the assistance of community representatives.

During the afternoon bell period, parents were observed to occasionally double-park in the travel lane in both directions of Wadsworth Avenue near the gate to pick up students, blocking through traffic. Some students walk from the gate along Wadsworth Avenue and cross East 79th Street with the help of a school volunteer. Due to the high volume of students and parents, queues of up to 80 feet in length were observed eastbound on East 79th Street. **Appendix D** contains traffic counts that were obtained from the City of Los Angeles Department of Transportation (LADOT) *NavigateLA* database.

³ Los Angeles Department of City Planning. *Mobility Plan 2035 (California: Los Angeles, 2016)*

3.0 SCHOOL OPERATIONS

3.1 Parking

At the McKinley Avenue ES campus, there is one parking lot for faculty and staff. According to school administrators, some late-arriving faculty or staff, including substitute teachers, often park on the street since the lot is usually full by the morning bell. Visitors are required to park on the street. This parking lot is located at the northeast corner of the campus and contains 52 marked spaces, 3 reserved spaces, and 2 van-accessible spaces. This lot was observed to be greater than 95% utilized during a typical school day. Approximately 5 cars were observed to be double-parked in the lot during school hours.

Curb parking exists on both sides of McKinley Avenue, East 78th Street, and Wadsworth Avenue, and on the south side of East 79th Street. During the morning and afternoon bell period, the utilization of curb parking was observed at greater than 95%. The rest of the time, the utilization is estimated at 50% to 75%.

3.2 Circulation

McKinley Avenue ES administrators indicated that most vehicular traffic to the school travels along East 79th Street. It was also noted that the majority of students and parents walking to/from school, cross at the McKinley Avenue and East 78th Street intersection, which does not have a crossing guard. Some parents accompany their children, but more often, children walk together in groups between school and home. Only one school bus regularly operates at the school, which is for special education students. Additionally, school administration noted that the presence of street vendors occupying the sidewalk along McKinley Avenue often interfere with pedestrian activity.

During the morning bell period, students use the gate on East 78th Street approximately 50 feet east of McKinley Avenue. Two school-paid community representatives are regularly present at this location to manage student drop-off and pick-up activity. Vehicles wait in a line delineated by cones with signs, and drop off students when they arrive at the loading area as directed by paid community representatives. Three red cones with signs are placed near the gate. Parents wait in a line that stretches from the gate to the intersection of McKinley Avenue and East 78th Street. Once in the loading zone, paid community representatives assist students between the vehicles and the gate. After dropping off students, vehicles continue eastbound on East 78th Street. A few vehicles were observed making illegal U-turns on East 78th Street near the gate.

Only a few vehicles were observed dropping-off students on the north side of the street. A school bus was observed at the curb immediately east of the gate. Traffic queues were observed to extend to approximately 50 feet north and south of the McKinley Avenue and East 78th Street intersection.

During the afternoon bell period, curbside pick-up operates similar to curbside pick-up operations at an airport. There are three school exits used by the students; one each on McKinley Avenue (at the main entrance, serving grades 4 to 6), East 78th Street (near the midpoint along the block, serving grades 2 to 3), and Wadsworth Avenue (approximately midpoint along the block, serving early transitional kindergarten through first grade). Short queues of 1 to 2 vehicles were noted at the intersection of McKinley Avenue and East 78th Street, particularly as students walked across the east and south crosswalks. Occasional red curb stopping was noted along both McKinley Avenue and East 78th Street. Students and their parents were observed walking southbound on Wadsworth Avenue and crossing East 79th Street. There is one crossing guard after school to direct them to cross on the west side of this intersection. Due to the high volume of pedestrians crossing, a queue of approximately 80 feet was observed on eastbound East 79th Street at Wadsworth Avenue. A few parents were observed crossing Wadsworth Avenue mid-block near the gate.

School administrators noted that there is ongoing coordination with residents living along East 78th Street to avoid traveling westbound during school pick-up or drop-off periods, so that traffic flows eastbound in one direction (clockwise) with minimal interruption. Based on field observations, the community appears to be following this strategy.

3.3 Crash History

Crash data used for the Vision Zero project was extracted within the McKinley Avenue ES school zone. Between 2013 and 2016, a total of 21 crashes occurred. Seven of these crashes were near the intersection of East 79th Street and Wadsworth Avenue. Five of these occurred at the intersection of Wadsworth Avenue and East 78th Street. Five collisions occurred at the intersection of East 78th Street and McKinley Avenue. Four collisions occurred at the intersection of McKinley Avenue and East 79th Street. Within the school zone, one pedestrian collision and one bicycle collision were recorded, all of which resulted in non-severe injuries. No fatalities and no severe injuries were recorded. Most collisions were rear end, broadside, or sideswipes.

Based on the available data, no discernible collision patterns were noted.

4.0 DEFICIENCIES AND OPPORTUNITIES

4.1 Walk Audit Observations

Internal student circulation within the McKinley Avenue ES provides an ADA path of travel, which is marked on the campus leading from the main parking lot into campus. The campus is almost entirely paved over, with the exception of the front of the school, which is an area that is not actively used by the students. Additionally, few shade trees are provided on campus.

The external walk audit conducted on May 21, 2018 within the school perimeter revealed the following deficiencies:

- East 79th Street
 - Sidewalks are mildly uneven, cracked, may be difficult to traverse in a wheelchair, and a large gap exists on the south side
 - Street lighting partially obstructed by trees, sidewalks on the north side may be in shadows
 - Empty tree wells, may be hard to detect for people with visual impairments
 - The curb ramp in the northeast corner of the intersection East 79th Street and McKinley Avenue has possible ponding and degraded pavement, and vertical transition between curb ramps and street paving exceeds one-half inch, which may be difficult for pedestrians in wheelchairs to traverse
 - School zone sign on the west side of the intersection East 79th Street and McKinley Avenue is faded; bike route sign in the northwest corner is tagged
 - Bicyclists observed on sidewalks, conflicting with pedestrians
- McKinley Avenue
 - Sidewalks are generally uneven and cracked on the west side, which may be difficult to traverse in a wheelchair
 - Tree roots lifting sidewalk can cause a difficult walking environment
 - Street lighting only provided on the east side, sidewalk abutting McKinley Avenue ES may be in shadow, particularly in the early morning
 - Bicyclists observed on sidewalks, conflicting with pedestrians
 - Vertical curb ramp transitions between sidewalk and street surface at the intersection McKinley Avenue and East 78th Street exceeds one-half inch, which may be difficult for pedestrians in wheelchairs to traverse
- East 78th Street

- Sidewalks are mildly uneven, cracked, may be difficult to traverse in a wheelchair
 - Tree roots lifting sidewalk can cause a difficult walking environment
 - Street lighting only provided on the north side, sidewalk may be in shadow
- Wadsworth Avenue
 - Sidewalks are generally uneven, cracked, and lack curb ramps which may be difficult to traverse in a wheelchair
 - Street lighting provided only on the west side, sidewalks may be in shadow
 - Vertical curb ramp transitions between sidewalk and street surface at the intersection of East 78th Street and Wadsworth Avenue exceeds one-half inch which may be difficult for pedestrians in wheelchairs to traverse
 - No tactile stripe on the intersection of East 79th Street and Wadsworth Avenue

Additional detail from the walk audit is provided in [Appendix B](#). Selected photos for major deficiencies prompted by the walk audit are provided in [Appendix C](#).

4.2 Observed Circulation Deficiencies

- Pick-up/Drop-offs
 - Double parking on both travel directions of Wadsworth Avenue
 - Some vehicles make illegal U-turns on East 78th Street or double-park in the westbound travel lane to drop off
 - Several parents and students crossing mid-block outside of a designated crosswalk across Wadsworth Avenue during the afternoon bell period
- Parking
 - Double parking in the parking lot
- Circulation
 - Abutting sidewalks – uneven, cracked, and discontinuous; may discourage students from walking
 - Street lighting coverage results in several dark spots in early morning along immediate school perimeter, which may be a safety and security issue
 - Some curb ramps lack tactile strips, smooth transitions (less than one-half inch vertically) from sidewalk or street pavement joints, or have apparent drainage flow problems, which may result in difficulty traversing by pedestrians in wheelchairs

- McKinley Avenue may not fully comply with California Vehicle Code, since it is not classified as a local street and does not have a speed limit posted within the school zone

4.3 Positive Attributes

- Many school volunteers, paid community representatives, and crossing guard at McKinley Avenue and East 79th Street enhance student safety
- High efficiency of the drop-off operation along East 78th Street due to collaborative efforts between McKinley Avenue ES staff and neighborhood, especially residents along East 78th Street
- Pick-up operation is efficient because of how student grades are spread among multiple gates, with high cooperation with parents and residents
- McKinley Avenue, East 78th Street, and Wadsworth Avenue, which surround the school, provide a natural clockwise flow for operations, which returns drivers back to East 79th Street without unnecessarily long detours

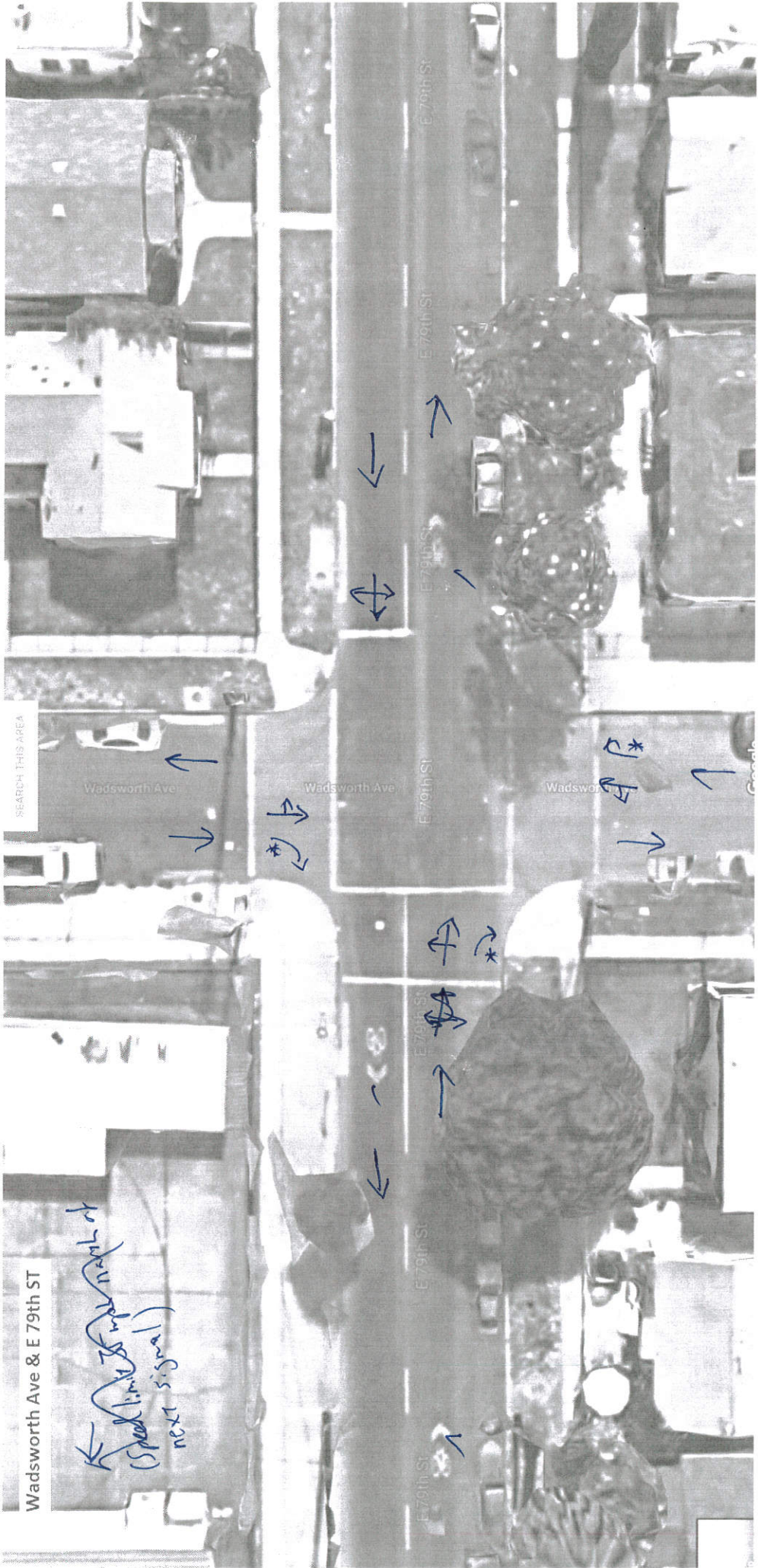
4.4 Opportunities

The following opportunities are not required improvements and are not required to limit or mitigate potential impacts. This list is provided solely as observations to LAUSD of the existing conditions that were observed during a site visit for planning purposes. The feasibility or practicality of these opportunities have not been evaluated and LAUSD does not have jurisdiction over any off-site improvements.

- Although outside of the jurisdiction of LAUSD, tree trimming may help to improve street lighting coverage on the school side of each street
- Although outside of the jurisdiction of LAUSD, planting small canopy trees in vacant tree wells which can provide shade but not block street lighting
- Although outside of the jurisdiction of LAUSD, completion of sidewalk gaps and repair of sidewalks
- Crossing guard warrant analysis is recommended at the McKinley Avenue and East 78th Street intersection
- Review latest Engineering and Traffic Survey for McKinley Avenue with the City of Los Angeles, and whether the school zone is properly signed

APPENDIX A

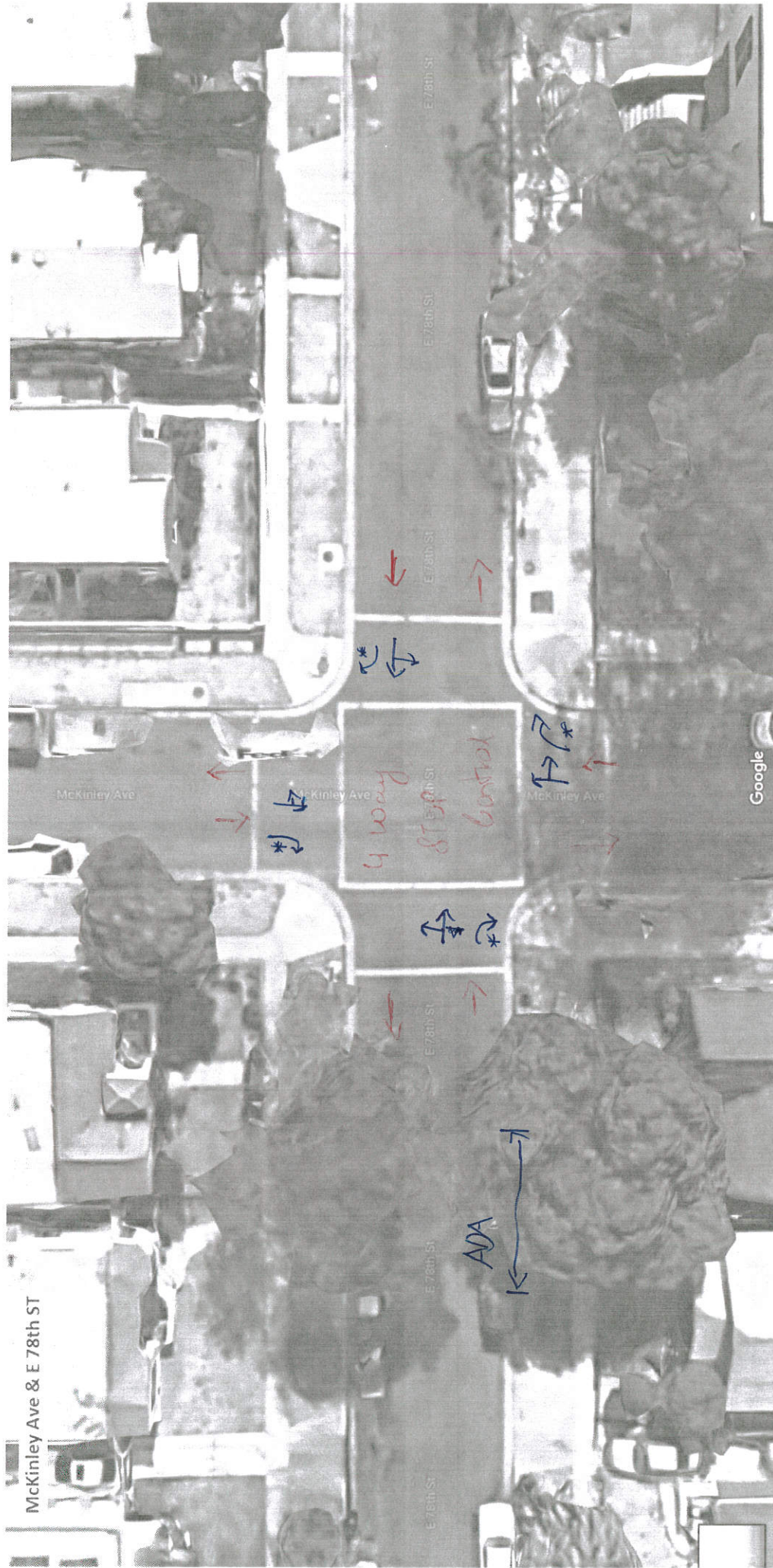
Field Review Sheets



Wadsworth Ave & E 79th ST

← (Speed limit 35 mph) next signal

SEARCH THIS AREA



* De-facto RT

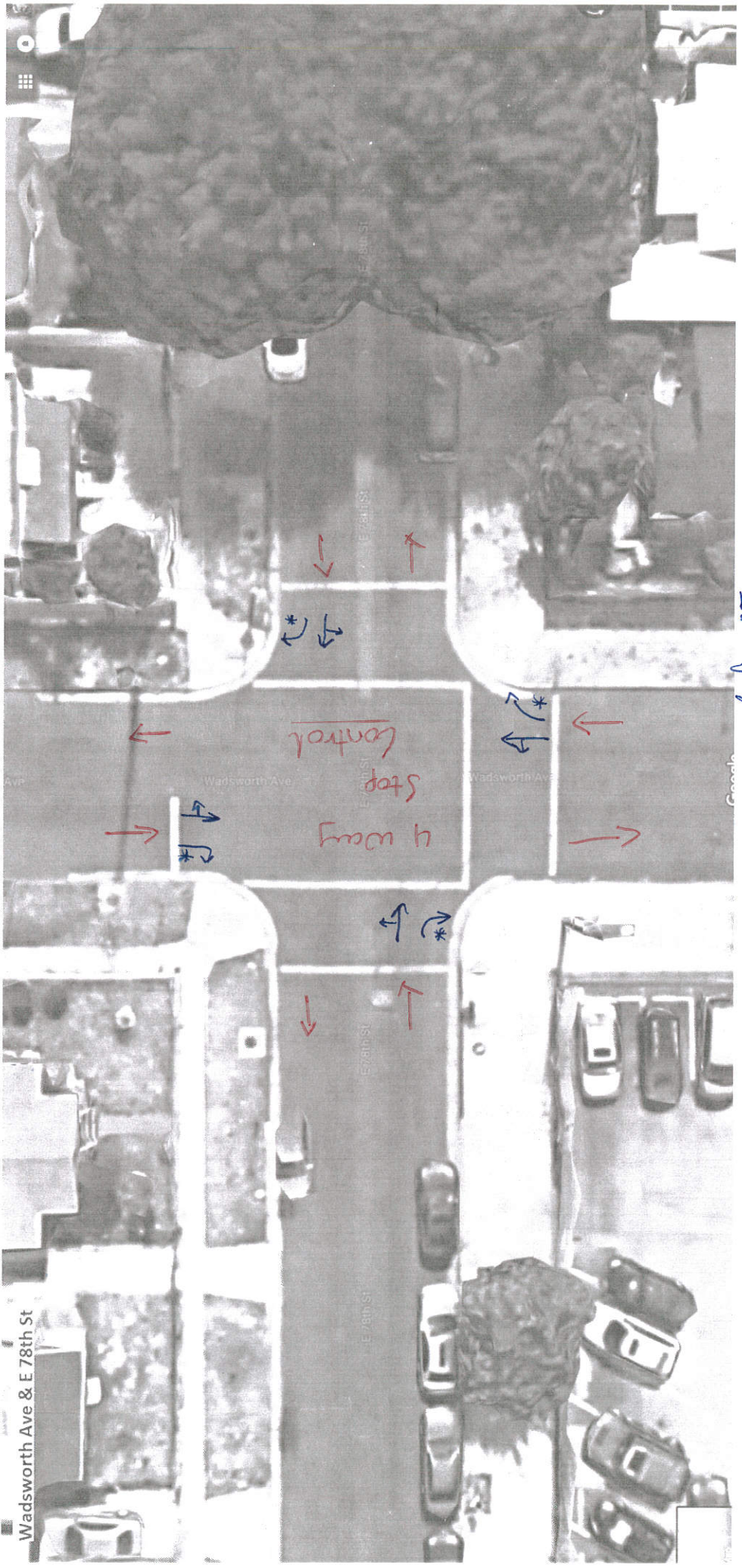


SEARCH THIS AREA

McKinley Ave

Main office
Entrance
(Not general after morning bell)

Residential area



Wadsworth Ave & E 78th St

* de-facto RT

78th Street



Wadsworth Avenue & E 79th Street



McKinley Avenue Elementary School



* AM curb parking utilization very high (~95%)

* Midday curb parking utilization ~50-75%

* Several stray / unleashed dogs; dogs barking @ pedestrians

* No g.n. in PM @ 78th / McKinley

* Drivers seemed overall respectful to peds - PM & AM

* Street vendors block sidewalks on occasion, but not major impediment - PM & AM

* Occasional blocking of crosswalks - PM

* Occasional stopping / parking in red curb zone

APPENDIX B

Walk Audit Sheets

EXISTING CONDITIONS FIELD ASSESSMENT**PROCEDURE:**

Each school location will include a project limit of all streets, intersections and midblock crossings that immediately surround the school grounds. Streets and intersections will be identified prior to the site visit.

OBSERVER: *JCM*DATE: *5/21/18*LOCATION / WEATHER: *Overcast / Drizzle*TIME: *1p-3p***STREETS:***79th*, between *McKinley* & *Wadsworth**78th*, between *McKinley* & *Wadsworth**McKinley*, between *78th* & *79th**Wadsworth*, between *78th* & *79th***INTERSECTIONS:***79th* & *McKinley**78th* & *McKinley**79th* & *McKinley**78th* & *Wadsworth*

After the project limit has been determined and aerial has been printed, the following list of items will be recorded or identified as missing:

1. Existing Lane Configurations
 - ☒ a. Intersections – within reasonable vicinity of school
 - ☒ b. Street Segments – within reasonable vicinity of school
2. ☒ Existing Traffic Signs
3. ☒ Locations of Existing Traffic Signals and Street Lighting
4. ☒ Locations of Existing Transit Areas
5. Existing Pedestrian and Bicycle Facilities
 - ☒ a. Bike Lanes
 - ☒ b. Sidewalks
 - ☒ c. Crosswalks
 - ☒ d. Pedestrian Ramps
6. Parking configurations as shown on aerials for:
 - a. Administration
 - b. Teachers
 - c. Students
 - d. Visitors
 - e. Deliveries
 - f. Buses
 - g. On-street
7. ☒ Pick-up and Drop-off Operation Issues During Peak Periods
8. General Internal and External Circulation Issues

A Road Safety Audit (see attached template) will be conducted as part of each location's assessment.

NEEDS:

- ☒ Safety Vest
- ☒ Clipboard, pad and pen/pencil
- ☒ Geo-referenced digital camera
- ☒ Measuring wheel
- ☒ Shoes with ankle protection

STREETS

(A)

(B)

Topic	Question		Result (Y, N, Other or N/A)	
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A	N/A
	3.	Are shoulders/sidewalks provided on both sides?	Y	Y
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y	Y
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	N	N
	7.	Are ramps provided as an alternative to stairs?	Y	Y
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A	N/A
	2.	Is the path clear from both temporary and permanent obstructions?	Y	Y
	3.	Is the walking surface too steep?	Note 4 - N	IV - Note 1
	4.	Is the walking surface adequate and well-maintained?	N	N
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	Y	Y
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N	Y
Lighting	1.	Is the sidewalk adequately lit?	Y ⁽³⁾	Y ⁽³⁾
	2.	Does the street lighting improve pedestrian visibility at night?	Y	Y
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y	Y
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N	N
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	N	N
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	N ^{Note 2}	N - Note 2
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y	Y

*For any Result with "N" or "Other", please add notes below:

Note 1: ~~there is a big hole in Wadsworth see pics.~~ uneven, no ramps, not good for ADA see pic.

Note 2: ~~bicycles share road with vehicles.~~ No

Note 1: Wadsworth not enough tree. leave hole. see pic.

3. only one side has lighting.

4. uneven. see pics. leave hole for tree. see pic.

① 79th
② McKinley

STREETS

③ ④

Topic	Question	Result (Y, N, Other or N/A)
Presence, Design and Placement	1. Are sidewalks provided along the street?	Y Y
	2. If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A N/A
	3. Are shoulders/sidewalks provided on both sides?	Y Y
	4. Is the sidewalk width adequate for pedestrian volumes?	Y Y
	5. Is there adequate separation distance between vehicular traffic and pedestrians?	Y Y
	6. Are sidewalk/street boundaries discernable to people with visual impairments?	N ^① Y
	7. Are ramps provided as an alternative to stairs?	Y Y
Quality, Conditions, and Obstructions	1. Will snow storage disrupt pedestrian access or visibility?	N/A N/A
	2. Is the path clear from both temporary and permanent obstructions?	Y N ^②
	3. Is the walking surface too steep?	N N
	4. Is the walking surface adequate and well-maintained?	N ^③ N ^④
Continuity and Connectivity	1. Are sidewalks/walkable shoulders continuous and on both sides of the street?	N ^⑤ Y
	2. Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N N
Lighting	1. Is the sidewalk adequately lit?	Y ^⑥ N ^⑦
	2. Does the street lighting improve pedestrian visibility at night?	N N
Visibility	1. Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	N N
Driveways	1. Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N Y ^⑧
	2. Does the number of driveways make the route undesirable for pedestrian travel?	N N
Traffic Characteristics	1. Are there any conflicts between bicycles and pedestrians on sidewalks?	Y ^⑨ Y ^⑩
Signs and Pavement Markings	1. Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y Y

*For any Result with "N" or "Other", please add notes below:

- ① Empty Tree wells
- ② Tree roots lifting paved landscape buffer
- ③ West sidewalk may be in shadow; lighting partially obstructed by trees
- ④ At least 1 bike noted on sidewalk
- ⑤ See photos of cracked, missing sidewalk, large lips - particularly W. side of McKinley
- ⑥ Gazes from residences open, obstructing sidewalk
- ⑦ Large gap on S. side of 79th St

79th & McKinley
 78th & McKinley

INTERSECTIONS

A B

Topic	Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1. Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N N
	2. Do channelized right turn lanes minimize conflicts with pedestrians?	N/A N/A
	3. Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N/A N/A
	4. Are pedestrian crossings located in areas where sight distance may be a problem?	N N
	5. Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A N/A
	6. Are supervised crossings adequately staffed by qualified crossing guards?	N/A N/A/N
	7. Are marked crosswalks wide enough?	Y Y
	8. Do at-grade railroad crossings accommodate pedestrians safely?	N/A N/A
	9. Are crosswalks sited along pedestrian desire lines?	N/A N/A
	10. Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	Y Y
Use questions for Streets for potential issues on obstructions		
Quality, Conditions, and Obstructions	1. Is the crossing pavement adequate and well maintained?	N ¹ Y
	2. Is the crossing pavement flush with the roadway surface?	N ² N ²
Continuity and Connectivity	1. Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y Y ³
	2. Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y Y
Lighting	1. Is the pedestrian crossing adequately lit?	N ² N ²
Visibility	1. Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y Y
	2. Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y Y
	3. Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N N
Access Management	1. Are driveways placed close to crossings?	N N
Traffic Characteristics	1. Do turning vehicles pose a hazard to pedestrians?	
	2. Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	N/A ³ N/A
	3. Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	Y ³ Y ³
Signs and Pavement Markings	1. Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	Y ⁶ N
	2. Are crossing points for pedestrians properly signed and/or marked?	Y Y
Signals	1. Are pedestrian signal heads provided and adequate?	Y N/A
	2. Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	Y N/A
	3. Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	Y ³ N/A
	4. Are all pedestrian signals and push buttons functioning correctly and safely?	Y N/A
	5. Are ADA accessible push buttons provided and properly located?	Y N/A

*For any Result with "N" or "Other", please add notes below:

① NE ramp has possible ponding & degraded pavement; SW ramp lip > 1"

② Luminaires on SW quadrant only / NW quadrant

③ Signalized

W:\IT\Templates\Tustin Office\LIN Consulting_Field Assessment Outline

④ School sign on 79th west at intersection; faded; bike route sign tagged

⑤ Resting green on 79th w/ Ped recall; PPB for McKinley

⑥ Large ped volumes @ intersection

⑦ Lips of 1/2" - 1" noted @ crosswalk

⑧ Street vendors block peds

⑨ Heavy student crossing

Ⓐ 78th & Wardsworth

Ⓑ 79th & Wardsworth

INTERSECTIONS

Ⓐ

Ⓑ

Topic	Question		Result (Y, N, Other or N/A)*	
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N	M
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N	N
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A	N/A
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	N	Y - drop-off pickup
	7.	Are marked crosswalks wide enough?	Y	Y
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	Y	Y
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	N	N - Note 3
Use questions for Streets for potential issues on obstructions				
Quality, Conditions, and Obstructions	1.	Is the crossing pavement adequate and well maintained?	Y	Y
	2.	Is the crossing pavement flush with the roadway surface?	Y	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y	Y
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y	Y
Lighting	1.	Is the pedestrian crossing adequately lit?	N	N - only one light
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y	Y
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y	Y
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N	N
Access Management	1.	Are driveways placed close to crossings?	N	N
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N	N
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N	N
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N	N
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y	Y
Signals	1.	Are pedestrian signal heads provided and adequate?	N/A	N/A
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	N/A	N/A
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N/A	N/A
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	N/A	N/A
	5.	Are ADA accessible push buttons provided and properly located?	N/A	N/A

*For any Result with "N" or "Other", please add notes below:

Note 1: 20 years ago used to be rebuilt.
curb ramp lip > 1" , no tactile warning.
2. only 1 light each intersection.
3. no tactile warning.

Main Faculty Lot

PARKING AREAS / ADJACENT DEVELOPMENTS

Topic	Question		Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do sidewalks/paths connect the street and adjacent land uses?	Y
	2.	Are the sidewalks/paths designed appropriately?	Y
	3.	Are buildings entrances located and designed to be obvious and easily accessible to pedestrians?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions and protruding objects that apply to sidewalks and walkways at parking areas/adjacent developments*		
	Use questions for Streets for potential issues on surface conditions that apply to sidewalks and walkways at parking areas/adjacent developments		
	1.	Do parked vehicles obstruct pedestrian paths?	Y
Continuity and Connectivity	1.	Are pedestrian facilities continuous? Do they provide adequate connections for pedestrian traffic?	N/A
	2.	Are transitions of pedestrian facilities between developments/projects adequate?	Y
Lighting	*Use questions for Streets and Street Crossings for potential issues on lighting that apply to sidewalks and walkways at parking areas/adjacent developments*		
Visibility	1.	Are visibility and sight distance adequate?	Y
Access Management	1.	Are travel paths for pedestrians and other vehicle modes clearly delineated at access openings?	N/A
	2.	Do drivers look for and yield to pedestrian when turning into and out of driveways?	Y
Traffic Characteristics	1.	Does pedestrian or driver behavior increase the risk of a pedestrian collision?	N
	2.	Are buses, cars, bicycles, and pedestrians separated on the site and provided with their own designated areas for travel?	N/A
Signs and Pavement Markings	1.	Are travel paths and crossing points for pedestrians properly signed and/or marked?	Y

*For any Result with "N" or "Other", please add notes below:

① Peds forced to walk in aisle - gated, so no students (just faculty)

② Gated - not intended for ped access

* ADA path of travel noted from ADA parking spaces

TRANSIT AREAS

Topic	Question		Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly?	N/A
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	
	3.	Is sight distance to bus stops adequate?	
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	
	2.	Are transit stops part of a continuous network of pedestrian facilities?	
	3.	Are transit stops maintained during periods of inclement weather?	
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops?	

*For any Result with "N" or "Other", please add notes below:

① No bus service in area

APPENDIX C

Selected Photos



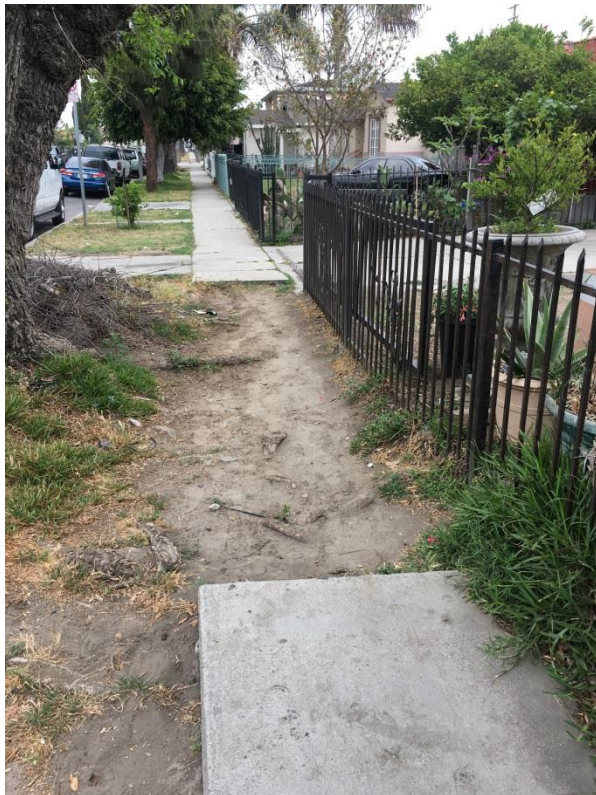
Sidewalk is generally uneven on the west side of McKinley Avenue; gates left open block sidewalk traffic



Double parking in the faculty parking lot



Double parking on both sides of Wadsworth Avenue during the afternoon bell period



A large gap in the sidewalk on the south side of East 79th Street, which may affect pedestrian safety and accessibility



Tree wells do not have trees or covers; may cause difficulty for vision-impaired pedestrians



Tree roots lifting sidewalk can cause a difficult walking environment on East 78th Street



Street lighting obscured at intersection of McKinley Avenue and East 79th Street



Curb ramp in the northeast corner of the intersection East 79th Street and McKinley Avenue has possible ponding, degraded pavement, and vertical grade differences over one-half inch



In the intersection of East 78th Street and McKinley Avenue, the vertical grade difference of the ramp at the street in the southeast corner is larger than one-half inch

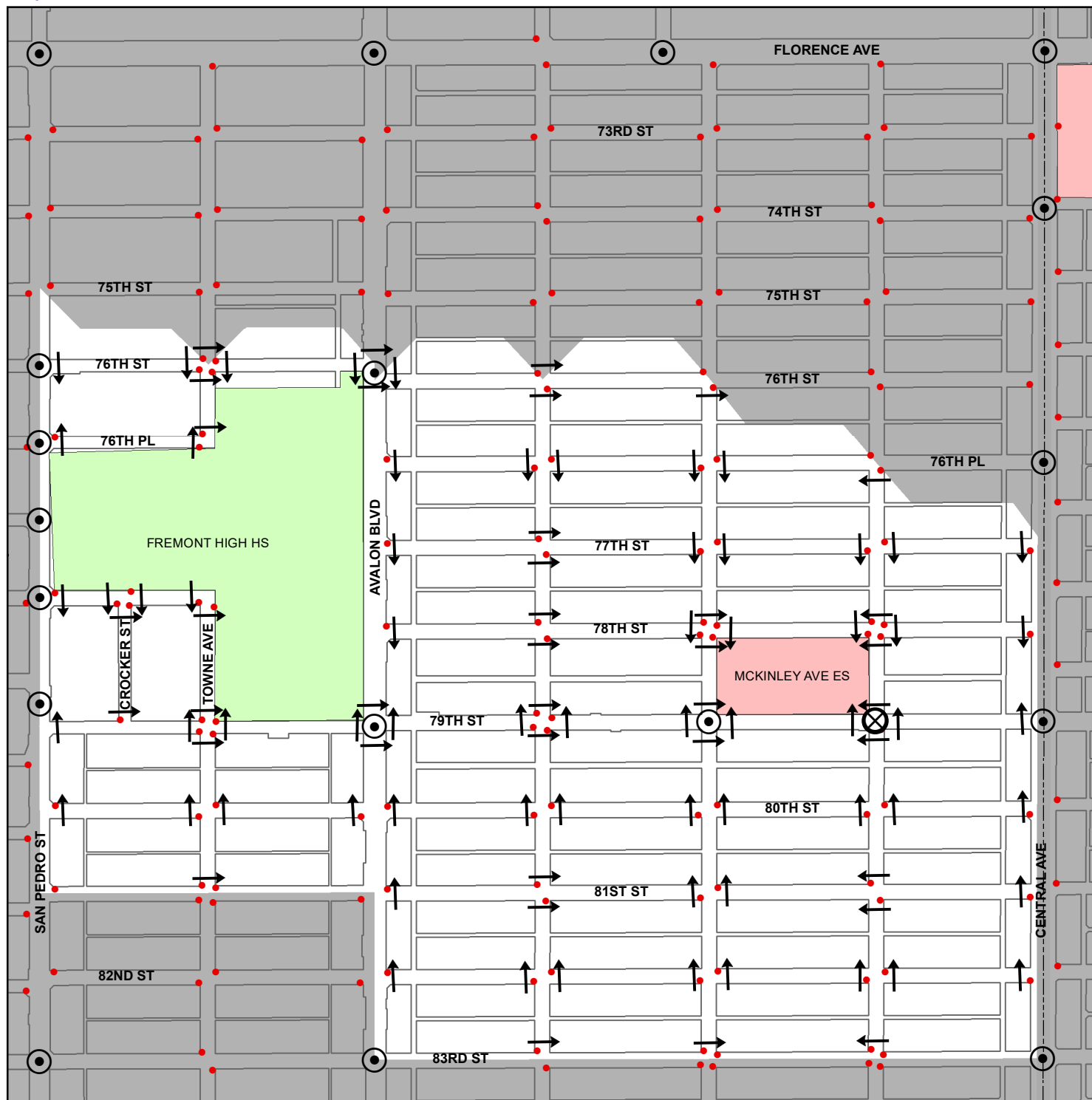


Valet service has high compliance, and adequate signing informs drivers of procedure at East 78th Street

APPENDIX D

Additional Information

PEDESTRIAN ROUTES FOR MCKINLEY AVENUE ELEMENTARY SCHOOL



Legend

- Recommended Crossing
- Stop Sign
- ⊗ Traffic Signal
- ⊗ Crossing Guard
- ⚡ Flashing Warning Light
- XXXX Stairs or Walkway
- ⌒ Pedestrian Bridge
- ⌒ Pedestrian Tunnel
- 🌳 Parks



0 200 400
Feet

Parents:

This map shows the recommended crossings to be used from each block in your school attendance area. Following the arrows, select the best route from your home to the school and mark it with a colored pencil or crayon. This is the route your child should take. Instruct your child to use this route and to cross streets only at locations shown. You and your child should become familiar with the route by walking it together. Obey marked crosswalks, stop signs, traffic signals and other traffic controls. Crossing points have been located at these controls wherever possible, even though a longer walk may be necessary. Instruct your child to always look both ways before crossing the street. If no sidewalk exists, your child should walk facing traffic.

Estimados Padres:

Este mapa muestra los cruzados recomendados para los peatones de cada cuadra en la area de su escuela. Siguiendo las flechas en el mapa, seleccione la ruta mas segura de su casa a la Escuela y marquelo con un lapiz o tiza de color. Esta es la ruta que su hijo (a) debe de usar. Digale a su hijo (a) que use esta ruta y que cruce las calles solamente en los lugares indicados. Usted y su hijo (a) deberian de familiarizarse con esta ruta. Obedezcan los rotulos de peatones, de altos, semaforos y todos los señales de trafico. Puntos para cruzar estan localizados en areas controladas, aunque sea necesario de alargar el tiempo para cruzar. Instruye a su hijo (a) que siempre se fije de los dos lados antes de cruzar la calle. El estudiante debe de siempre caminar en la direccion opuesta del trafico si no existe una banqueta.



McKinley Elementary School

SCHOOL SITE MAP



7812 S. McKinley Avenue

Los Angeles, California 90001

(323) 582-7481

Rev. 08/3/2017

SCHOOL MAP

2017-2018

Mr. Reingold Room 41 1 st Grade	T. Smith Room 40 1 st Grade
--	--

Ms. Z. Pulido Room 39 1 st Grade
Mrs. Martinez Room 38 1 st Grade
Ms. S. Pulido Room 37 2 nd Grade
Ms. Fuller Room 36 2 nd Grade
Mrs. Alonso Room 35 2 nd Grade
Ms. Navarro Room 34 2 nd Grade

Ms. Kiely Room 32 K/1 st Grade	Mrs. Nguyen Room 33 2 nd Grade
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Cafeteria
Faculty Lounge

2 nd Floor	Auditorium 1 st Floor
Room 9	Parent Center Rm 1

Hubert Hall 1st Floor

Ball Room	Mrs. Smith Room 22 K Grade
Faculty Restroom	Mrs. Longoria Room 21 K Grade
Custodial Room	Ms. Napoles Room 20 K Grade
Mr. Davis Rm 23 Lwr SDC	
Ms. Santos RSP Rm. 24	
APEIS Rm 25	Guided Reading Book Rm

Hubert Hall 2nd Floor

Ms. Vivero Room 29 3 rd Grade	Ms. Wagoner Room 28 3 rd Grade
Mrs. Thornton Room 30 3 rd Grade	Mr. Edwards Room 27 3 rd Grade
Ms. Dixon Room 31 Upper Aut	Mr. Munoz Room 26 3 rd Grade

Mr. Calderon Room 46 6 th Grade Ext. 254		
Ms. Machian Room 47 6 th Grade Ext. 253		
Mr. Rivers Room 48 6 th Grade Ext. 252		
Mrs. Matthews Room 49 6 th Grade Ext. 251		
Boys Restrooms	Girls Restrooms	Faculty Restrooms

Garage

Ms. Alvarez Room K2 PALS
Mrs. Landeros Room K-1 Lwr Aut

Main Building 2 nd Floor	Ms. Perez Room 16 4 th Grade
	Ms. Thomas Room 15 4 th Grade
Computer Lab Rm. 14	

Faculty Lounge	Mr. Halling Room 19 4 th Grade	Mr. Sanchez Room 18 5 th Grade	Ms. Stephens Room 17 Upper SDC
Main Building 2 nd Floor			
Mrs. Burns Room 10 5 th Grade	Ms. Cisneros Room 11 5 th Grade	Ms. Cole Room 12 4 th Grade	Ms. Garcia Room 13 4 th Grade
Boys Room	Mrs. Joyner Jackson, AP 8B	Mrs. Mack, Principal 8A	Media Room
			Ms. Jones, TSP Adv. Ms. Lee, TI Coord. Ms. Watkins, Inst. Coach Room 7
			Girls Room
Main Building 1 st Floor			
LIBRARY	Main Office	Main Entrance	Restroom Nurse
			Copy Room
			Room 3

Main Building 1 st Floor	Mr. Stern ETK RM. 6
	PD Room Rm. 5
Ms. Spear TK Room 4	



May 20, 2019 | Response to Comments

MCKINLEY AVENUE ELEMENTARY SCHOOL

COMPREHENSIVE MODERNIZATION PROJECT

Prepared for:

Los Angeles Unified School District
Office of Environmental Health and Safety
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017
Contact: Christine Lan, Assistant CEQA Project Manager
213.241.5637

Prepared by:

Impact Sciences, Inc.
811 W. 7th Street, Suite 200
Los Angeles, California
90017

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1. Introduction

1.1 INTRODUCTION

This document includes a compilation of the public comments received on the McKinley Avenue Elementary School Mitigated Negative Declaration (MND) and supporting Initial Study and Los Angeles Unified School District's (LAUSD) responses to the comments.

Under the California Environmental Quality Act (CEQA), a lead agency has no affirmative duty to prepare formal responses to comments on an MND. The lead agency, however, should have adequate information on the record explaining why the comments do not affect the conclusion of the MND. In the spirit of public disclosure and engagement, the LAUSD—as the lead agency for the proposed comprehensive modernization project—has responded to all written comments submitted during, and after, the 30-day MND public review period, which began 3/13/2019, and closed 4/11/2019.

A Community Meeting was conducted on 11/29/2019 and a CEQA Community Meeting was conducted on 3/28/2019. Both community meetings were open to the public. Prior to the CEQA Community Meeting, meeting flyers and a notice of intent to Adopt a Mitigated Negative Declaration (NOI) were distributed to agencies, parents of current students, previous meeting attendees, nearby schools, property owners, and occupants within ¼ mile radius of the school. The NOI was also published in English in the Los Angeles Daily News and in Spanish in La Opinión on 3/13/19. The NOI and the MND were published on the LAUSD CEQA website on 3/13/2019. (Maybe we should attach all the Notice documents referenced in this section?)

1.2 DOCUMENT FORMAT

This document is organized as follows:

Section 1, Introduction. This section describes CEQA requirements and the content of this document.

Section 2, Response to Comments. This section provides a list of agencies and interested persons commenting on the MND, copies of comment letters received during the public review period, and individual responses to written comments. To facilitate review of the responses, each comment letter has been reproduced and assigned a number. Individual comments have been numbered for each letter, and the letter is followed by responses with references to the corresponding comment number.

1.3 CEQA REQUIREMENTS REGARDING COMMENTS AND RESPONSES

CEQA Guidelines Section 15204 (b) outlines parameters for submitting comments on negative declarations, and reminds persons and public agencies that the focus of review and comment of MNDs should be “on the proposed findings that the project will not have a significant effect on the environment. If the commenter

1. Introduction

believes that the project may have a significant effect, it should: (1) Identify the specific effect, (2) Explain why they believe the effect would occur, and (3) Explain why they believe the effect would be significant.

Comments are most helpful when they suggest additional specific alternatives or mitigation measures that would provide better ways to avoid or mitigate the significant environmental effects. At the same time, reviewers should be aware that the adequacy of a MND is determined in terms of what is reasonably feasible. CEQA Guidelines Section 15204 (c) advises, “Reviewers should explain the basis for their comments, and should submit data or references offering facts, reasonable assumptions based on facts, or expert opinion supported by facts in support of the comments. Pursuant to Section 15064, an effect shall not be considered significant in the absence of substantial evidence.”

Section 15204 (d) also states, “Each responsible agency and trustee agency shall focus its comments on environmental information germane to that agency’s statutory responsibility.” Section 15204 (e) states, “This section shall not be used to restrict the ability of reviewers to comment on the general adequacy of a document or of the lead agency to reject comments not focused as recommended by this section.”

Finally, CEQA does not require a lead agency to conduct every test or perform all research, study, and experimentation recommended or demanded by commenters. Written responses to comments are not required for MNDs; however, it is LAUSD’s policy to respond in writing to all comments. When responding to comments, lead agencies need only respond to potentially significant environmental issues and do not need to provide all information requested by reviewers, as long as a good faith effort at full disclosure is made in the environmental document.

1. Introduction

Notice of Intent



**NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION
AND
NOTICE OF PUBLIC COMMENT PERIOD FOR
PRELIMINARY ENVIRONMENTAL ASSESSMENT – EQUIVALENT**



TO: Agencies, Organizations and Interested Parties

PROJECT TITLE: McKinley Avenue Elementary School Comprehensive Modernization Project

SUBJECT: Notice of Intent to Adopt a Mitigated Negative Declaration and Notice of Public Comment Period for Preliminary Environmental Assessment - Equivalent

Notice is hereby given that the Los Angeles Unified School District (LAUSD or District), as Lead Agency under the California Environmental Quality Act (CEQA) has prepared an Initial Study (IS) for the McKinley Avenue Elementary School (proposed Project), pursuant to CEQA (Public Resources Code [PRC], Division 13, Section 21000 et seq. [CEQA Statute] and the California Code of Regulations [CCR], Title 14, Division 6, Chapter 3, Section 15000 et seq. [CEQA Guidelines]). Based on the IS, LAUSD determined that the proposed Project would have no significant adverse impacts on the environment after the implementation of mitigation measures and a Mitigated Negative Declaration (MND) is appropriate. The District is providing public notice in compliance with Title 14, Chapter 3, Sections 15072 and 15073 of the California Code of Regulations, as amended. Notice is further given that a Preliminary Environmental Assessment - Equivalent (PEA-E) has been prepared for the Project and is available for review.

PROJECT LOCATION: The 4.2-acre McKinley Avenue Elementary School campus is located at 7812 McKinley Ave, City of Los Angeles.

PROJECT DESCRIPTION: The proposed Project is designed to address the most critical physical concerns of the buildings and grounds at the campus while upgrading, renovating, modernizing, and reconfiguring the campus to provide facilities that are safe, secure, and better aligned with the current instructional program. The Project includes demolishing four permanent buildings, removing existing relocatable buildings and storage containers, constructing new permanent buildings that provide adequate learning spaces and support areas, upgrading and replacing aging infrastructure, constructing new outdoor physical education spaces, and providing new landscaping and hardscaping. The proposed Project also consists of limited modernization of existing structures including limited barrier removal upgrades, Internet Protocol (IP) Convergence, exterior painting, and limited interior improvements.

In addition, LAUSD completed a PEA-E investigation for the proposed project to determine if the soil or soil vapor beneath the project area has been impacted with chemicals of concern. Based on the laboratory results of the collected samples the PEA-E investigation concluded that the site is suitable for the contemplated comprehensive modernization project without any further investigation or soil remediation. The campus is not on any of the lists enumerated under Section 65926.5 of the Government Code (Cortese List).

PUBLIC REVIEW PERIOD: The IS/MND (pursuant to California Code of Regulations, Title 14, Section 15073[a]) and PEA-E are available for public review and comment from March 13th, 2019 to April 11th, 2019.

RESPONSES AND COMMENTS: Please indicate a contact person for your agency or organization and send your comments to:

CEQA and PEA-E Questions and Comments

Los Angeles Unified School District
Office of Environmental Health and Safety
Attention: Christine Lan, Assistant CEQA Project Manager
333 South Beaudry Avenue, 21st Floor
Los Angeles, CA 90017
Email: CEQA-comments@lausd.net

Please include "McKinley ES Comp Mod" in the subject line

COMMENT MEETING: LAUSD will hold a public meeting on **March 28th, 2019 at 6:00 PM** at the McKinley Avenue Elementary School Auditorium located at 7812 McKinley Ave, City of Los Angeles. All agencies, organizations, and interested parties are encouraged to attend.

DOCUMENT AVAILABILITY: The IS/MND and PEA-E are available for public review during regular business hours at the locations listed below.

- LAUSD, Office of Environmental Health and Safety, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA 90017 (by appointment, call (213) 241-3199)
- McKinley Avenue Elementary School Library, 7812 McKinley Ave, Los Angeles, CA 90001
- Ascot Branch Library, 120 W Florence Ave, Los Angeles, CA 90003
- LAUSD Local District South Office, 1208 Magnolia Ave, Gardena, CA 90247
- LAUSD Office of Environmental Health and Safety Website:
 - CEQA Initial Study (<http://achieve.lausd.net/ceqa>)
 - PEA-E (<http://achieve.lausd.net/siteassessment>)

1. Introduction



**AVISO DE INTENCIÓN
DE ADOPTAR UNA DECLARACIÓN NEGATIVA CON MEDIDAS MITIGANTES
Y
AVISO DE PERÍODO PARA COMENTARIOS DEL PÚBLICO
SOBRE LA EVALUACIÓN AMBIENTAL PRELIMINAR – EQUIVALENTE**



PARA: Agencias, Organizaciones y Partes Interesadas

TÍTULO DEL PROYECTO: Proyecto de Modernización General de la Escuela Primaria McKinley Avenue

ASUNTO: Aviso de Intención de Adoptar una Declaración Negativa con Medidas Mitigantes y Aviso de Período para Comentarios del Público sobre la Evaluación Ambiental Preliminar – Equivalente

Por el presente anuncio se comunica que el Distrito Escolar Unificado de Los Ángeles (LAUSD, por sus siglas en inglés, o el Distrito), como Agencia Principal bajo la Ley de Calidad Ambiental de California (CEQA, por sus siglas en inglés), ha preparado un Estudio Inicial (IS, por sus siglas en inglés) para la escuela primaria McKinley Avenue (el Proyecto propuesto), de conformidad con CEQA (Código de Recursos Públicos [PRC], Fracción 13, Artículo 21000 y siguientes [Estatuto CEQA] y el Código Reglamentario de California, Título 14, Fracción 6, Capítulo 3, Artículo 15000 y siguientes [Directrices CEQA]). En base al Estudio Inicial, el LAUSD determinó que el Proyecto propuesto no tendría consecuencias adversas importantes en el medio ambiente tras la ejecución de medidas mitigantes y por ende, es apropiada una Declaración Negativa con Medidas Mitigantes (MND, por sus siglas en inglés). El Distrito extiende aviso al público de conformidad con el Título 14, Capítulo 3, Artículos 15072 y 15073 del Código Reglamentario de California, en su forma enmendada. Asimismo se extiende el aviso que se ha preparado una Evaluación Ambiental Preliminar - Equivalente (PEA-E, por sus siglas en inglés) para el Proyecto y que dicha evaluación está disponible para revisión.

UBICACIÓN DEL PROYECTO: El plantel escolar de la Escuela Primaria McKinley Avenue abarca 4.2 acres y queda ubicado en el 7812 McKinley Ave., Ciudad de Los Ángeles.

DESCRIPCIÓN DEL PROYECTO: El Proyecto propuesto se ha diseñado con el fin de atender los menesteres físicos más críticos de los edificios e instalaciones del plantel escolar y a la vez actualizar, renovar, modernizar y volver a configurar el plantel para que cuente con infraestructuras seguras, adecuadas y una mejor adaptación con el programa educativo actual. El Proyecto incluye la demolición de cuatro edificios permanentes, la remoción de edificios reubicables y contenedores de almacenamiento existentes, la construcción de nuevos edificios permanentes que constituyan espacios adecuados para el aprendizaje y zonas de asistencia, la actualización y el reemplazo de infraestructura antigua, la construcción de nuevos espacios externos para la educación física y la instalación de elementos naturales verdes y superficies y objetos sólidos. El Proyecto propuesto también consiste de la modernización limitada de estructuras existentes, incluyendo mejoras mediante la remoción limitada de barreras, convergencia de Protocolo de Internet (IP, por sus siglas en inglés), pintura exterior y mejoras limitadas en interiores.

Además, el LAUSD completó una investigación de la PEA-E para el proyecto propuesto a fin de determinar si el suelo o los vapores del suelo por debajo de la zona del proyecto se han visto afectados por sustancias químicas objeto de preocupación. En base a los resultados de las pruebas de laboratorio realizadas a las muestras sustraídas, la investigación de la PEA-E llegó a la conclusión que el sitio es apto para el proyecto de modernización general previsto sin que sea necesario realizar más investigaciones o medidas de saneamiento de suelos. El plantel escolar no figura en ninguna de las listas enumeradas en el Artículo 65926.5 del Código de Gobierno (lista Cortese).

PERÍODO PARA REVISIÓN POR PARTE DEL PÚBLICO: El IS/MND (de conformidad con el Código Reglamentario de California, Título 14, Artículo 15073[a]) y la PEA-E están a disposición del público para su revisión y comentarios a partir del 13 de marzo de 2019 y hasta el 11 de abril de 2019.

RESPUESTAS Y COMENTARIOS: Por favor indique el nombre de la persona de contacto de su agencia u organización y envíe sus comentarios a:

Comentarios y preguntas acerca de la CEQA y la PEA-E
Distrito Escolar Unificado de Los Angeles
Oficina de Seguridad y Salud Ambiental
Atención: Christine Lan, Asistente de Administrador(a) CEQA
del Proyecto
333 South Beaudry Avenue, 21st Floor
Los Angeles, CA 90017
Correo electrónico: CEQA-comments@lausd.net
Por favor incluya "McKinley ES Comp Mod"
en la línea correspondiente al asunto

REUNIÓN PARA APORTAR COMENTARIOS: El LAUSD celebrará una reunión pública el **28 de marzo de 2019, a las 6:00 PM** en el Auditorio de la Escuela Primaria McKinley Avenue, ubicado en 7812 McKinley Ave., Ciudad de Los Ángeles. Se alienta a las agencias, organizaciones y partes interesadas a que asistan a dicha reunión.

DISPONIBILIDAD DEL DOCUMENTO: El IS/MND y la PEA-E están a disposición del público para su revisión durante el horario regular de atención en las siguientes ubicaciones:

- LAUSD, Oficina de Seguridad y Salud Ambiental, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA 90017
(con previa cita; llame al (213) 241-3199)
- Biblioteca de la Escuela Primaria McKinley Avenue, 7812 McKinley Ave., Los Angeles, CA 90001
- Biblioteca - Sucursal Ascot, 120 W. Florence Ave., Los Angeles, CA 90003
- Oficina Local Sur del LAUSD, 1208 Magnolia Ave., Gardena, CA 90247
- LAUSD Oficina de Seguridad y Salud Ambiental – Sitio web:
 - CEQA Estudio Inicial (<http://achieve.lausd.net/ceqa>)
 - PEA-E (<http://achieve.lausd.net/siteassessment>)

2. Response to Comments

This section provides all written comments received on the circulated MND and supporting Initial Study and the District's response to each comment.

Letter Reference	Commenting Person / Agency	Date of Comment	Page Number
A	OPR State Clearinghouse	4/12/2019, 4/18/2019*	2-3
B	California Department of Transportation	4/8/2019**	2-7
C	Department of Toxic Substances Control	4/15/2019***	2-13
D	Public Comment Meeting	3/28/2019	2-17

* Letter postmarked April 19th, 2019, after the commenting period closed on April 11th, 2019.

** Letter postmarked April 15th, 2019, after the commenting period closed on April 11th, 2019.

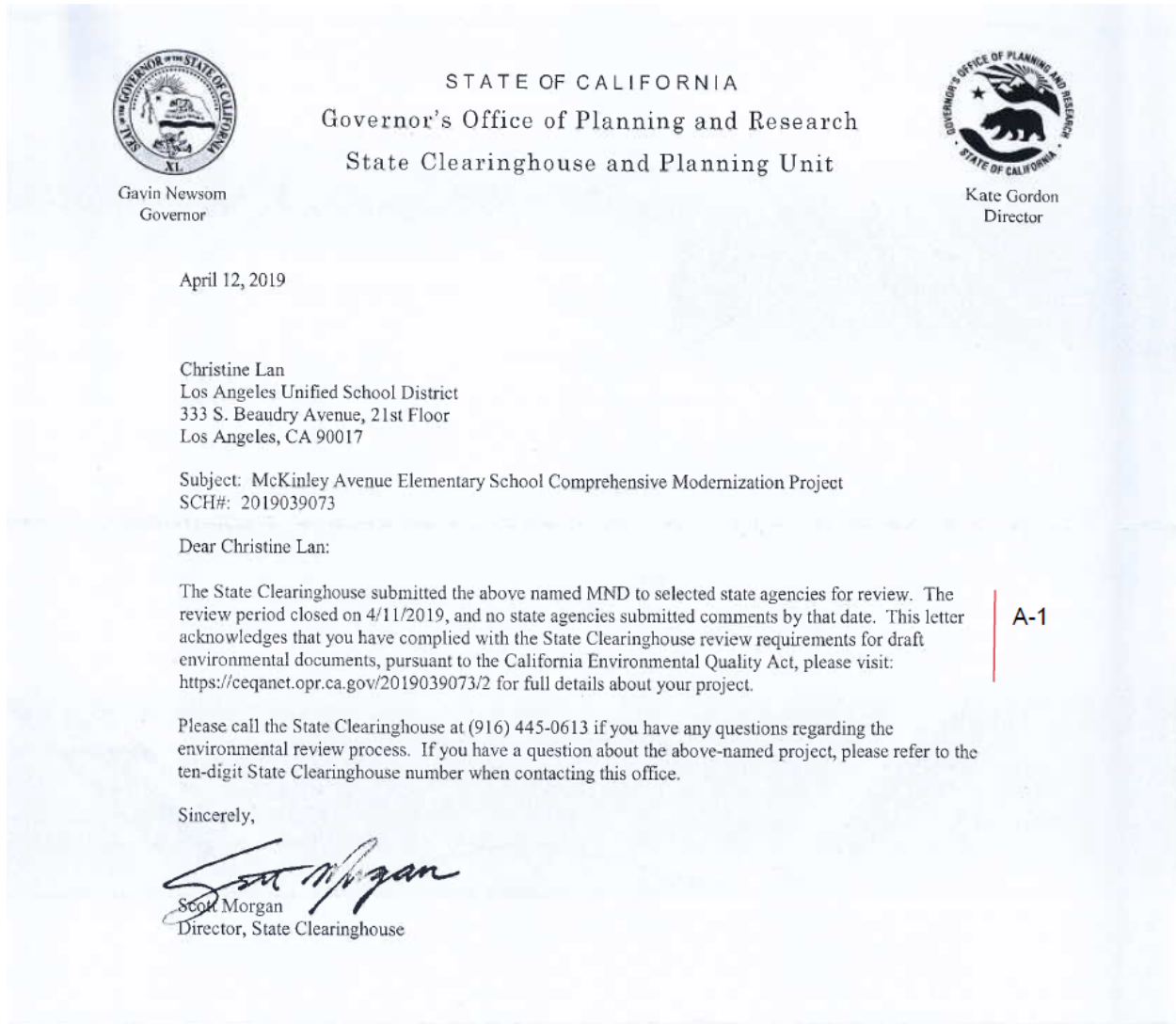
*** Letter postmarked April 24th, 2019, after the commenting period closed on April 11th, 2019.

2. Response to Comments

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2. Response to Comments

LETTER A – OPR State Clearinghouse and Planning Unit (1 page)



2. Response to Comments

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2. Response to Comments

A. Response to Comments from State Clearinghouse, dated April 12, 2019


- A-1 The Lead Agency has noted the State Clearinghouse's recognition of project compliance with review requirements for draft environmental documents and acknowledges that no state agencies submitted comments within the review period.

2. Response to Comments

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2. Response to Comments

LETTER B – California Department of Transportation (2 pages)

<small>STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY</small>		<small>Gravin Newsom, Governor</small>
DEPARTMENT OF TRANSPORTATION DISTRICT 7 – Office of Regional Planning 100 S. MAIN STREET, MS 16 LOS ANGELES, CA 90012 PHONE (213) 897-9140 FAX (213) 897-1337 TTY 711 www.dot.ca.gov		 <small>Making Conservation a California Way of Life.</small>
April 8, 2019		2019 APR 18 PM 1:23 LAUSD OFFICE OF ENVIRONMENTAL & SAFETY
Christine Lan Los Angeles Unified School District 333 S. Beaudry Avenue, 21 st Floor Los Angeles, Ca 90017		
		RE: McKinley Avenue Elementary School Comprehensive Modernization Plan – Mitigated Negative Declaration (MND) SCH# 2019039073 GTS # 07-LA-2019-02370 Vic. LA-110/PM: 16.529
Dear Ms. Christine Lan:		
<p>Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project's MND. The proposed Project is an educational facility that would substantially modernize most of the 4.2 acre Campus to facilitate a safe and secure campus that better aligns with the current instructional program and meets current DSA educational specifications, without increasing enrollment capacity. When completed the proposed Project will provide the capacity for 800 students in 41 classrooms, which is a reduction of one classroom from the current count. The proposed Project consists of the demolition and removal of existing permanent and relocatable buildings, construction of new buildings, and landscape and hardscape improvements throughout the campus.</p>		
After reviewing this project's MND Caltrans has the following comments:		
1) According to the Initial Study document, "Parking lot to match or exceed the existing 57 parking stalls." (pg. 23, Initial Study). Will there be additional parking stalls installed? This installation could potentially impact the number of vehicle trips associated with the project.		B-1
2) According to the Initial Study document, "The Campus is comprised of 22 buildings: 11 permanent buildings and structures and 11 relocatable buildings" (pg. 12, Initial Study). However, Table 1: "Summary of Existing Facilities" lists only 21 and appears to be missing building number 15, 16 and 22. These three buildings are also missing from Figure 2: "Existing Project Site" (pg. 19, Initial Study).		B-2
3) There is a discrepancy in the square footage of the Cafeteria Building. Table 2: "Proposed Project" (pg. 24-25, Initial Study) states that the demolition will be 21,277 sf. However, Table 1: "Summary of Existing Facilities" states that it is only 2,552 sf (pg. 13, Initial Study).		B-3
4) There is a discrepancy in the square footage of demolition in Table 2: "Proposed Project" (pg. 24-25, Initial Study). Campus total for demolition is stated to be 56,000 sf. However, the combined areas for the demolition of each building exceed 56,000 sf.		B-4
5) The project description states that new construction will total 72,500 sf. However, demolition will only		B-5
<p><i>"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability"</i></p>		

2. Response to Comments

Ms. Christine Lan
April 8, 2019
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B-5,
cont'd

be 56,000 sf. Will the additional square footage of construction impact traffic capacity. Will this increase capacity at the campus? (pg. 58, Initial Study).

Further information included for your consideration:

Caltrans seeks to promote safe, accessible multimodal transportation. Methods to reduce pedestrian and bicyclist exposure to vehicles improve safety by lessening the time that the user is in the likely path of a motor vehicle. These methods include the construction of physically separated facilities such as sidewalks, raised medians, refuge islands, and off-road paths and trails, or a reduction in crossing distances through roadway narrowing.

B-6

Caltrans recommends the project to consider the use of methods such as, but not limited to, pedestrian and bicyclist warning signage, flashing beacons, crosswalks, signage and striping, be used to indicate to motorists that they should expect to see and yield to pedestrians and bicyclists. Visual indication from signage can be reinforced by road design features such as lane widths, landscaping, street furniture, and other design elements.

B-7

Storm water run-off is a sensitive issue for Los Angeles County. Please be mindful that projects should be designed to discharge clean run-off water. Discharge of storm water run-off is not permitted onto State Highway facilities without a storm water management plan.

B-8

If you have any questions regarding these comments, please contact project coordinator Reece Allen, at reece.allen@dot.ca.gov and refer to GTS# 07-LA-2019-02370.

Sincerely,

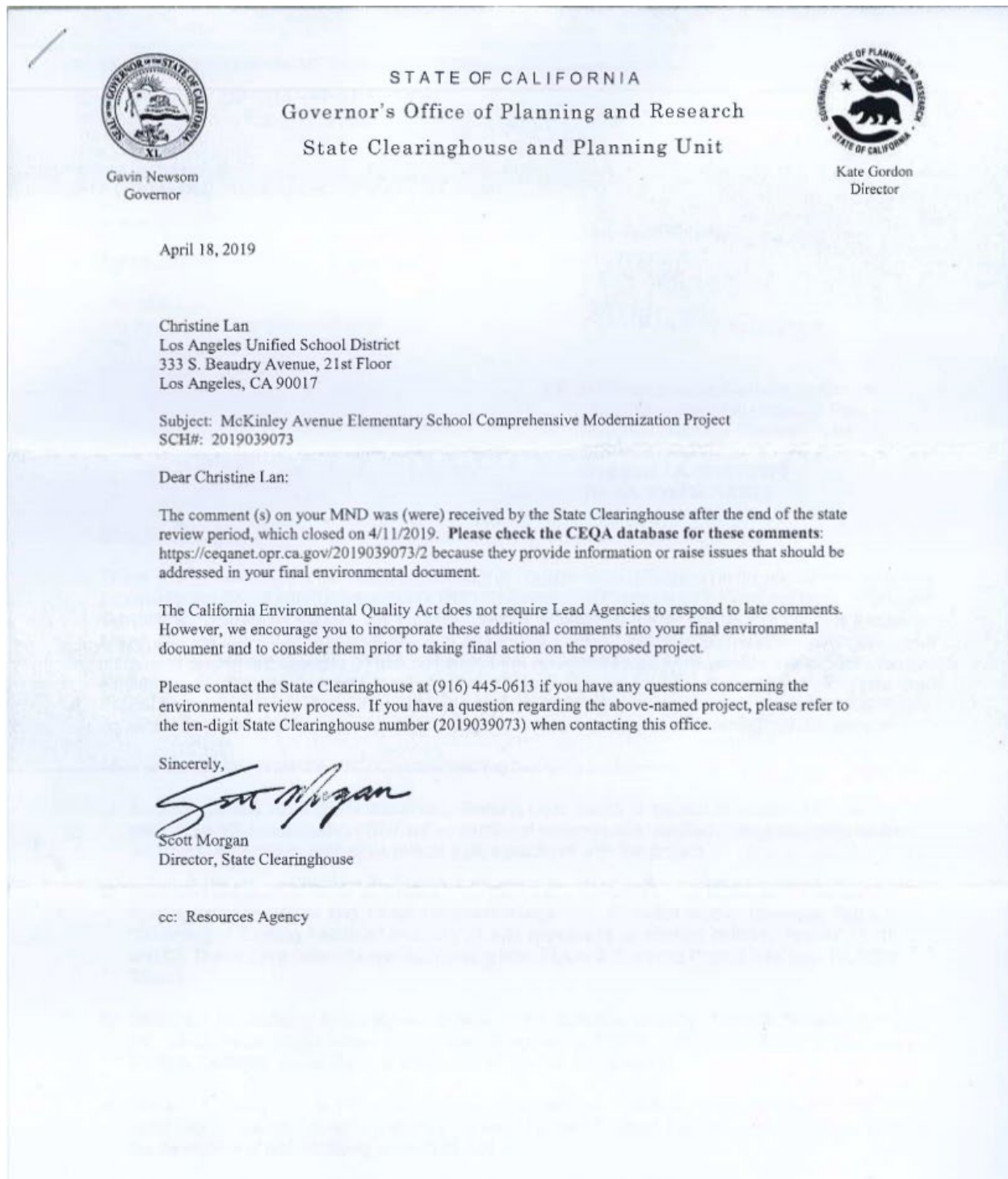


MIYA EDMONSON
IGR/CEQA Branch Chief

cc: Scott Morgan, State Clearinghouse

*"Provide a safe, sustainable, integrated and efficient transportation system
to enhance California's economy and livability"*

2. Response to Comments



2. Response to Comments

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2. Response to Comments

B. Response to Comments from California Department of Transportation, dated April 8, 2019

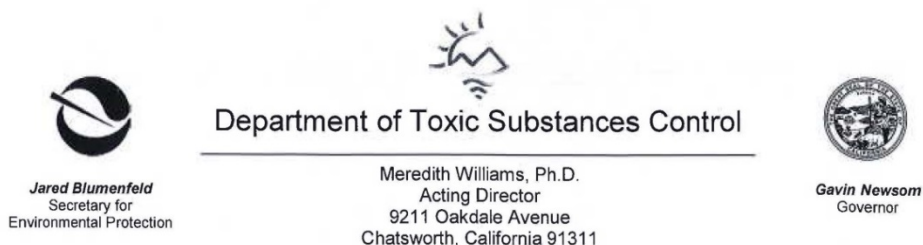
- B-1 The proposed Project would modernize existing facilities within McKinley ES and would not increase student capacity, or the number of on-site professional and support staff. The number of parking spaces will be determined during the design-build process. Any increase in the number of parking spaces will be provided to address an existing parking shortage on campus that leads to staff and visitors having to park off-site or in unauthorized parking spots.
- B-2 Buildings 15 and 16 were removed prior to the planning process of this project; Building 22 is the 'Lunch Pavilion' attached to the existing Cafeteria Building (#4) which will remain. The discrepancy regarding building numbers is because the building count includes accessory buildings that are not numbered.
- B-3 Table 1 is correct; the Cafeteria Building is 2,552 square feet. As the building will be remodeled but not demolished, it has been removed from Table 2.
- B-4 Table 2 included buildings up for renovation; hence the square footage should not be counted towards demolition. The table has been updated to clarify this.
- B-5 The increase in square footage that would result from the Project is designed to meet the program needs of the school. The Project will not increase the capacity of McKinley ES.
- B-6 The statement is acknowledged for the record.
- B-7 The recommendations are acknowledged for the record.
- B-8 The statement is acknowledged for the record.

2. Response to Comments

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2. Response to Comments

C. LETTER C – Department of Toxic Substances Control (2 pages)



April 15, 2019

Ms. Christine Lan
Los Angeles Unified School District
333 S. Beaudry Avenue, 21st Floor
Los Angeles, CA 90017

**NOTICE OF AVAILABILITY OF THE ENVIRONMENTAL IMPACT REPORT FOR THE
MCKINLEY AVENUE ELEMENTARY SCHOOL COMPREHENSIVE MODERNIZATION
PROJECT (PROJECT)**

Dear Ms. Lan:

The Department of Toxic Substances Control (DTSC) has received the document for the above-mentioned project.

Based on the review of the document, the DTSC comments are as follows:

- | | |
|---|-----|
| 1) The document needs to identify and determine whether current or historic uses at the project site have resulted in any release of hazardous wastes/substances at the project area. | C-1 |
| 2) The document needs to identify any known or potentially contaminated site within the proposed project area. For all identified sites, the document needs to evaluate whether conditions at the site pose a threat to human health or the environment. | C-2 |
| 3) The document should identify the mechanism to initiate any required investigation and/or remediation for any site that may require remediation, and which government agency will provide appropriate regulatory oversight. | C-3 |
| 4) If during construction of the project, soil contamination is suspected, construction in the area should stop and appropriate health and safety procedures should be implemented. If it is determined that contaminated soil exists, the document should identify how any required investigation or remediation will be conducted, and which government agency will provide appropriate regulatory oversight. | C-4 |

♻️ Printed on Recycled Paper

2. Response to Comments

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Page 2

DTSC provides guidance for Preliminary Endangerment Assessment (PEA) preparation, and cleanup oversight through the Voluntary Cleanup Program (VCP). For additional information on the VCP, please visit DTSC's web site at www.dtsc.ca.gov. If you would like to meet and discuss this matter further, please contact me at (818) 717-6555 or Pete.Cooke@dtsc.ca.gov.

C-5

Sincerely,



Pete Cooke
Site Mitigation and Restoration Program - Chatsworth Office

cc: Governor's Office of Planning and Research
State Clearinghouse
P.O. Box 3044
Sacramento, California 95812-3044

Dave Kereazis
Hazardous Waste Management Program, Permitting Division
CEQA Tracking
Department of Toxic Substances Control
P.O. Box 806
Sacramento, California 95812-0806

2. Response to Comments

C. Response to Comments from Department of Toxic Substances Control, dated April 15, 2019

- C-1 As discussed in the Phase I Environmental Site Assessment (Phase I ESA) prepared for the Project (included as Appendix D to the Initial Study), the Project site has been in use as a school since 1928. No recognized environmental conditions of concern or evidence of hazardous materials were noted during site reconnaissance.
- C-2 Following the recommendations of the Phase I ESA, a Preliminary Environmental Assessment Equivalent Report (PEA-ER) was prepared for the Project in February 2019 (included as Appendix E to the Initial Study). Based on extensive soil sampling and testing, and the comparison to the established screening levels, it was determined that the site soil does not contain any toxic chemicals that would warrant restricting earth-moving activities in conformance to South Coast Air Quality Management District (SCAQMD) Rule 1466. Based on the results of the sampling, no further investigation is necessary. The Project site was determined to be suitable for the contemplated comprehensive modernization Project without any soil remediation.
- C-3 As previously discussed, both at Phase I ESA and a PEA-ER were prepared for the Project site. The Project site was determined to be suitable for the contemplated comprehensive modernization Project without any further site or soil remediation.
- C-4 The recommendations are acknowledged for the record
- C-5 The statement is acknowledged for the record.

2. Response to Comments

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2. Response to Comments

D. CEQA Community Meeting

A CEQA Community Meeting was conducted on 3/28/2019 for the community at and around McKinley ES on Thursday, March 28, 2019. A question and answer session followed LAUSD's presentation on the Project. Questions from the audience mainly related to concerns about impacts of project construction. Specifically, questions were asked about what steps would be taken to minimize distracting noise as well as health hazards relating to air quality during the construction period. One resident asked about the length of construction and when breaking ground will occur. The attendees also asked where the students will go during phased construction and if classroom size would be impacted.

2. Response to Comments

D. Response to Comments from Community Meeting, dated March 28, 2019

- D-1 Noise and air quality impacts are inevitable during project construction; however, LAUSD must adhere to all applicable rules, regulations, and standards to minimize adverse impacts at, and around, the site. To meet noise standards during construction, mitigation and standard conditions including noise barriers, shielding, and equipment mufflers will be implemented. Additionally, the project contractor will work with school officials to coordinate the timing of the noisiest activities to ensure that they do not occur during critical periods such as during testing.

Air quality impacts will be handled similarly, with control measures such as wetting areas and fencing implemented to minimize dust and debris. Project contractors must also comply with stringent air quality requirements and community members can report any issues or concerns to LAUSD or to the SCAQMD at 1-800-CUT-SMOG (1-800-288-7664). Information on Air Quality compliance and analysis can be found in the MND, under section 4.III Air Quality, section 4.IX Hazards and Hazardous Materials, and section 4.XIII Noise.

Construction timing will depend on the Project phasing; however, construction could begin as early as summer 2020 and is expected to last 3-4 years. The school will remain in operation during project construction. The construction of the Project will be phased, meaning only portions of the Campus will be under construction at any given time. The construction phasing will allow for buildings in areas of the Campus not currently under construction to be occupied. Interim portables will also be brought on to the Campus during construction to provide classrooms. In additions, it is anticipated that approximately 100 students will temporarily move off Campus during construction to a nearby LAUSD school. The remaining students will continue to attend classes on campus. Classroom size will not be impacted.