

Appendix N

Field Boring Logs

Field Boring Log

Location of Boring/Well:

Job No. 449613

Client/Site: 93rd St ES - LAUSD Los Angeles, CA
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Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

A2

Weather Conditions: Sunny, warm

Sheet
1 of 1

Surface Conditions: asphalt

Drilling	
Drill	Time
1	10
2	15
3	20
4	25
5	30
6	35
7	40
8	45
9	50
10	55
11	60
12	65
13	70
14	75
15	80
16	85
17	90
18	95
19	100
20	105
21	110
22	115
23	120
24	125
25	130
26	135
27	140
28	145
29	150
30	155
31	160
32	165
33	170
34	175
35	180
36	185
37	190
38	195
39	200
40	205
41	210
42	215
43	220
44	225
45	230
46	235
47	240
48	245
49	250
50	255
51	260
52	265
53	270
54	275
55	280
56	285
57	290
58	295
59	300
60	305
61	310
62	315
63	320
64	325
65	330
66	335
67	340
68	345
69	350
70	355
71	360
72	365
73	370
74	375
75	380
76	385
77	390
78	395
79	400
80	405
81	410
82	415
83	420
84	425
85	430
86	435
87	440
88	445
89	450
90	455
91	460
92	465
93	470
94	475
95	480
96	485
97	490
98	495
99	500
100	505
101	510
102	515
103	520
104	525
105	530
106	535
107	540
108	545
109	550
110	555
111	560
112	565
113	570
114	575
115	580
116	585
117	590
118	595
119	600
120	605
121	610
122	615
123	620
124	625
125	630
126	635
127	640
128	645
129	650
130	655
131	660
132	665
133	670
134	675
135	680
136	685
137	690
138	695
139	700
140	705
141	710
142	715
143	720
144	725
145	730
146	735
147	740
148	745
149	750
150	755
151	760
152	765
153	770
154	775
155	780
156	785
157	790
158	795
159	800
160	805
161	810
162	815
163	820
164	825
165	830
166	835
167	84

Date	Date
------	------

Time	Time
------	------

Notes:

Datum:

[illegible]

4" Asphalt
- 1" gravel base
Sand w/ silt and gravel
brown sand, fine to medium
graded sand, sub angular
gravel to 1.5" dry
Refusal gr 1.5"

Geologist: C. Crozier

Reviewed By:

Type of Instrument/Serial	No. N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

20

☐ Yes

Personal Sampling:

Person Sampled:

Field Boring Log

Location of Boring/Well:

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number	
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Sampling Method: Hand Auger

Sheet

Sheet
1 of 1

Weather Conditions: Sunny cool

Drilling

Surface Conditions: Asphalt

Dining	
Start	Finish

Date	Date
4/8/16	4/8/16

Time	Time
1005	1031

Notes:

Datum:

[illegible]

4" Asphalt
1" gravel base
5.1% SAND w/ gravel
f sand, gravel 5.1%
to 0.5" brown, dry

Trace roots

no roots

Total depth 3'

Geologist: C. Crozier

Reviewed By:

Instrument	Type or Instrument/Serial	No.	N/A
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
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61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
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81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

No

Yes

Personal Sampling:

Person Sampled:

Location of Boring/Well:

S. Parking lot SE of kitchen

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

B-4

Weather Conditions: Sunny cool

Sheet
1 of 1

Surface Conditions: Asphalt

Drilling

Start Date
Finish Date

Notes:

1/8/16

Time
Time

1045

Datum:

Sample No. Sample Depth	Time	Sampler Blows	Inches Driven % Recovery	Instrument:			Depth in Feet	USCS Soil Type	Notes	Start Date Time	Finish Date Time
				Auger	Sample	Breathing Zone					
							0		4" Asphalt		
	1048								1" gravel base		
	1051						1		SILT with clay and sand, dark brown, fine sand, mottled w/ orange clay		
	1056								Glass debris, no mottling		
	1059						2				
	1107										
	1109						3		Total depth 3'		
							4				
							5				
							6				
							7				
							8				
							9				
							10				

Geologist: C. Crozier

Reviewed By:

Type of Instrument/Serial
No. N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

☐ No☐ Yes

Personal Sampling:

Person Sampled:

Field Boring Log

Location of Boring/Well:

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

B4E2

Weather Conditions: Sunny Warm

Sheet
1 of 1

Surface Conditions: Asphalt

Start	Finish
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Date	Date
------	------

24/16

Time	Time
------	------

1120	1125
------	------

Notes:

8" Asphalt
1st sample Road base & 8"

Total Depth 1'

Geologist: C. Crozier

Reviewed By:

Type of Instrument/Serial	No.	N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

No

Yes

Personal Sampling:

Person Sampled:

Field Boring Log

Location of Boring/Well:

4' N of B4

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number	
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Sampling Method: Hand Auger

34V

Weather Conditions:

Sheet
1 of 1
Drilling

Surface Conditions:

Start	Finish
Date	Date

Datum:

[illegible]

Notes:

Time	Time
------	------

5' Asphalt
5" Road base

Sandy SILT, mottled orange, brown,
dark gray, moist, fine sand.

SAND with silt, dark brown, moist f-c sand		
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Total depth 3

Geologist: C. Crozier

Reviewed By:

Instrument	Type or Instrument/Serial	No.	N/A
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
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29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
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34	34	34	34
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38	38	38	38
39	39	39	39
40	40	40	40
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43	43	43	43
44	44	44	44
45	45	45	45
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52	52	52	52
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84	84	84	84
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87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

☐ Yes ☐ No

Personal Sampling:

Person Sampled:

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

B4W2 - 32' west of B4W

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

Sheet
1 of 1

Weather Conditions: Sunny Warm

	Drilling
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Surface Conditions: Asphalt

Start	Finish
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Datum:

Date	Date
------	------

2/6/16

Time	Time
------	------

Time	Time
------	------

1213	122
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Notes:

[illegible]

- 6" Asphalt
- 2" Road base, first sample road base
- G 6"
- Clayey SILT brown, moist, few brick fragments to 1/4"
- Total depth 1'

Geologist: C. Crozier

Reviewed By:

type of instrument	No.	N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

20

☐ Yes

Personal Sampling:

Person Sampled:

PARSONS

Field Boring Log

Location of Boring/Well:

4' south of B4 in
southern parking lot.

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

B45/B452

Weather Conditions: Cool overcast

Sheet
1 of 1

Surface Conditions: Asphalt

Drilling

Datum:

Start Date
1/8/16

Finish Date
1/19/16

Time
10:30 10:27

Notes:

Sample No. Sample Depth	Time	Sampler Blows	Inches Driven % Recovery	Instrument:			Depth in Feet	USCS Soil Type
				Auger	Sample	Breathing Zone		
							0	
	0814/0953							
	0817/0958						1	
		1002						
		1009					2	
		1030						
	1034						3	
							4	
							5	
							6	
							7	
							8	
							9	
							10	

5" Asphalt
4" Road Base

Silt w/ sand & clay, mottled
dark brown and orange brown,
fine sand, moist
Refusal on concrete @ 1.1'
max 2' north & continue
as B452
G/S" dark gray SILT w/ clay/
moist, trace sand & angular gravel
SAND with silt, fine sand,
brown, moist

Total depth 3'

Geologist: C. Crozier

Reviewed By:

Type or instrument/serial
No. N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

Personal Sampling:
☐ Yes ☐ No

Person Sampled:

Field Boring Log

Location of Boring/Well:

North of Lunch Structure

Job No. 449613

Client/Site: 93rd St ES - LAUSD Los Angeles, CA
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Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

CR

Sheet

1 of 1

Weather Conditions:

Drilling

Surface Conditions:

Start	Finish
-------	--------

Date	Date
------	------

6/8/16

Time	Time
------	------

1242 1300

Notes:

Silt Asphalt 3"
3" gravel base
Silty SAND brown (brown)
trace gravel to 0.5"

some clay @ 2"

Total depth 3

Geologist: C. Crozier

Reviewed By:

Type of instrument/serial	No.	N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

10

Personal Sampling:

Person Sampled:

Location of Boring/Well:

SE corner of auditorium

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

C3

Weather Conditions: sunny cool

Sheet
1 of 1

Surface Conditions:

Drilling

Datum:

Start Date

Finish Date

Notes:

1/8/16

Time

1242 1301

Sample No. Sample Depth	Time	Sampler Blows	Inches Driven % Recovery	Instrument:			Depth in Feet	USCS Soil Type
				Auger	Sample	Breathing Zone		
							0	
1243	1245	24					1	
1249							2	
1252							3	
1256							4	
1301							5	
							6	
							7	
							8	
							9	
							10	

Asphalt 4"
1" gravel base
silty SAND with clay
brown, moist, trace
gravel to 0.5"Decreasing clay w/ depth
to trace clay @ 1.5"

Total depth 3'

Geologist: C. Crozier

Reviewed By:

Type of instrument/serial
No. N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

☐ No☐ Yes

Personal Sampling:

Person Sampled:

Field Boring Log

Location of Boring/Well:

Job No. 449613

Client/Site: 93rd St ES - LAUSD

Los Angeles, CA

Boring/Well Number	
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Drilling Co./Method: Blaine Tech/Hand Auger

Sampling Method: Hand Auger

Sheet

Weather Conditions: Sunny Cool

Sheet
1 of 1

Surface Conditions: Asphalt

Dining	
Start	Finish

Date	Date
1/8/16	1/8/16

Time	Time
------	------

0939	1600
------	------

Datum:

Sample No. Sample Depth	Time	Sampler Blows	Inches Driven % Recovery	Instrument:			Depth in Feet	USCS Soil Type
				Auger	Sample	Breathing Zone		
/			/				0	<i>SP-SM</i>
/	0937		/					
/	0940		/				1	
/	0944		/					
/	0954		/				2	
/	0957		/					
/	1008		/				3	<i>SM</i>
/			/					
/			/				4	
/			/					
/			/				5	
/			/					
/			/				6	
/			/					
/			/				7	
/			/					
/			/				8	
/			/					
/			/				9	
/			/					
/			/				10	
/			/					

Notes:

Asphalt
2" gravel base
Silty SAND - Sandy SILT
brown, f. grained, dry
trace gravel to 1.5"
sub-surface, trace mica

SM SAND with silt, brown, f sand, dry, comes out of being as crumbly chunks that can be crushed by hand

Total depth 3'

Geologist: C. Crozier

Reviewed By:

type of instrument/serial	No.	N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

$$\frac{0}{N}$$

Yes

Personal Sampling:

Person Sampled:

Location of Boring/Well:

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

C4W 4' W of C4

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

Sheet
1 of 1

Weather Conditions: Sunny Warm

Surface Conditions: Asphalt

Drilling
Start Date
Finish Date

Datum:

2/6/16
Time
940 1032

Sample No. Sample Depth	Time	Sampler Blows	Inches Driven % Recovery	Instrument:			Depth in Feet	USCS Soil Type
				Auger	Sample	Breathing Zone		
							0	
	0945							
	1020						1	
	1025							
	1027						2	
	1028							
	1032						3	
							4	
							5	
							6	
							7	
							8	
							9	
							10	

Notes:

Asphalt, 4"
3" Road base
Silty SAND with gravel, fine sand brown, dry, sub angular gravel to 1"
@ 1.5' As above, brick & concrete fragments to 1.5'

Total Depth 3'

Geologist: C. Crozier

Reviewed By:

Type of instrument/sensor
No. N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

Personal Sampling:
☐ Yes ☐ No

Person Sampled:

Location of Boring/Well:

Job No. 449613

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

C4E - 4' East of C4

Drilling Co./Method: Blaine Tech/Hand Auger

Boring/Well Number

Sampling Method: Hand Auger

C4E

Weather Conditions: *Sunny Warm*

Sheet
1 of 1

Surface Conditions: *Asphalt*

Drilling
Start Date
Finish Date

Datum:

2/6/16
Time
0805 1005

Notes:

Asphalt 4'
3" Road base
Dry SAND, few silt, fine sand
trace coarse sand, brown, loose

1.5 2" Brick fragment

Total Depth 3'

Geologist: C. Crozier

Reviewed By:

Type or instrument/serial
No. N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

Personal Sampling:
☐ Yes ☐ No

Person Sampled:

Sample No. Sample Depth	Time	Sampler Blows	Inches Driven % Recovery	Instrument:			Depth in Feet	USCS Soil Type
				Auger	Sample	Breathing Zone		
							0	
	0810							
	0814						1	
	0822							
	0831						2	
	0849							
	1005						3	
							4	
							5	
							6	
							7	
							8	
							9	
							10	

Client/Site: 93rd St ES - LAUSD
Los Angeles, CA

Boring/Well Number	
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D3

Sheet
1 of 1

Drilling	
Start	Finish
Date	Date

Date	Date
11/8/16	
Time	Time
1215	1222

[illegible]

3" Asphalt
2" gravel base
Sandwich silt, brown,
fine sand, dry, 49% gravel
+ 0 1" trace mica

Refusal on concrete or large cobble at 1.1'

Geologist: C. Crozier

Reviewed By:

type of instrument	serial	No.	N/A

Calibration Date/Gas: N/A

Sample Container: Jar

Sample Analyses: Lead, Arsenic by 6010, OCPs by 8081

$$\frac{0}{N}$$

Yes

Personal Sampling:

Person Sampled:

