

PROJECT: [REDACTED]

# Log of Boring B-1

PAGE 1 OF 4

Boring location:

Logged by:

Date started: 2/25/16

Date finished: 2/25/16

Drilling method: Mud Rotary

Hammer weight/drop: 140 lbs./30 inches

Hammer type: Automatic Trip Hammer

Sampler: Sprague & Henwood (S&H), Standard Penetration Test (SPT), Dames & Moore (D&M)

## LABORATORY TEST DATA

DEPTH (feet)	SAMPLES				LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
	Sampler Type	Sample	Blows/ 6"	SPT N-value								
Approximate Ground Surface Elevation: 9.5 feet <sup>2</sup>												
1					SC	2.5 inches Asphalt						
2	S&H		6	10	CL	CLAYEY SAND (SC) olive-brown, medium dense, moist, fine sand, concrete brick fragments ~2 inch in diameter						
3			5		SC	CLAY with SAND (CL) dark brown, medium stiff, moist, medium sand, trace brick fragments						
4	S&H		3	6	CL	CLAYEY SAND (SC) olive-brown, medium dense, moist, fine sand, trace brick fragments						
5			5		SC	CLAY with SAND (CL) olive-gray and yellow brown, medium stiff, moist, fine sand, trace glass fragments					55.6	68
6	S&H		0	1	CL	CLAYEY SAND (SC) olive-brown, loose, moist, fine sand, trace subrounded gravel, trace rootlets, trace brick fragments						
7			1		CL	CLAY (CL) gray, very soft, moist, trace rootlets, trace fine sand, medium sand lens at bottom of sampler						
8	S&H		0	3	CL	SANDY CLAY (CL) olive-gray, very soft, wet, fine sand, trace organics						
9			1		CL	CLAY (CL) gray, no organics						
10	D&M		0		CL	CLAY (CL) gray, no organics						
11			0		CL	CLAY (CL) gray, no organics						
12	S&H		0	2	CL	CLAY (CL) gray, no organics						
13			0		CL	CLAY (CL) gray, no organics						
14	S&H		0	2	CL	CLAY (CL) gray, no organics						
15			0		CL	CLAY (CL) gray, no organics						
16	D&M		75		CL	CLAY (CL) gray, no organics	TxUU	800	240		30.2	90
17			7	28	SC	CLAYEY SAND with GRAVEL (SC) gray, loose to medium dense, wet, fine sand, trace organics, angular fine gravel lens at 17.5 feet				15	20.5	
18	SPT		11	9	SC	CLAYEY SAND with GRAVEL (SC) gray, loose to medium dense, wet, fine sand, trace organics, angular fine gravel lens at 17.5 feet						
19			9		SC	CLAYEY SAND with GRAVEL (SC) gray, loose to medium dense, wet, fine sand, trace organics, angular fine gravel lens at 17.5 feet						
20			1	6	SC	red angular coarse gravel, subrounded coarse gravel, trace organics						
21	SPT		2	2	SC	red angular coarse gravel, subrounded coarse gravel, trace organics						
22			2		SC	red angular coarse gravel, subrounded coarse gravel, trace organics						
23					GC	CLAYEY GRAVEL with SAND (GC) olive-gray, medium dense, wet, angular coarse gravel, fine sand						
24					GC	CLAYEY GRAVEL with SAND (GC) olive-gray, medium dense, wet, angular coarse gravel, fine sand						
25			2	18	CL	CLAY with SAND (CL) yellow-brown mottled with yellow and black, very stiff, wet, fine sand						
26	S&H		10		CL	CLAY with SAND (CL) yellow-brown mottled with yellow and black, very stiff, wet, fine sand						
27			11		SC	CLAYEY SAND with GRAVEL (SC) yellow, medium dense, wet, medium to coarse sand, fine angular to subrounded gravel						
28					SC	CLAYEY SAND with GRAVEL (SC) yellow, medium dense, wet, medium to coarse sand, fine angular to subrounded gravel						
29					CL	SANDY CLAY (CL)						
30					CL	SANDY CLAY (CL)						

Project No.:

Figure:

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DEPTH (feet)	SAMPLES				LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA					
	Sampler Type	Sample	Blows/ 6"	SPT N-Value <sup>1</sup>			Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	S&H	[Sample]	5	9	CL	SANDY CLAY (CL) (continued) red-yellow and gray, stiff, wet, fine sand, trace subrounded coarse sand, trace organics LL = 30, PI = 16, see Appendix B				21.5	107	
32		[Sample]	5									
33		[Sample]	5									
34					SC	CLAYEY SAND (SC) yellow-brown, medium dense, wet, medium to coarse sand, coarse angular gravel in top of sampler gray, fine sand at top of sampler, 3 inch lens of SANDY GRAVEL at 36.25 feet, angular to subangular coarse gravel, medium sand				10		
35	S&H	[Sample]	10									
36	S&H	[Sample]	11									
37	SPT	[Sample]	1	11								
38		[Sample]	3									
39			5									
40					SP-SC	SAND with CLAY (SP-SC) yellow, medium dense, wet, coarse to medium sand, trace coarse gravel, trace fines Particle Size Distribution, see Appendix B				10		
41	S&H	[Sample]	8									
42		[Sample]	10									
43					CL	CLAY with SAND (CL) yellow-brown mottled with olive, very stiff to hard, wet, fine sand, trace medium sand						
44												
45												
46	S&H	[Sample]	11	29								
47		[Sample]	17									
48			17									
49												
50					CL	hard, mottled with black, subrounded gravel up to 1.5 inch in diameter near 50 feet						
51	S&H	[Sample]	13									
52		[Sample]	27									
53			30	48								
54					CL	CLAY (CL) yellow-brown mottled with orange, very stiff to hard, wet, trace medium sand Consolidation Test, see Appendix B				23.7	101	
55												
56	S&H	[Sample]	10									
57		[Sample]	14	27								
58			18									
59												
60												

TEMESCAL FORMATION

SAN ANTONIO FORMATION

Project No.:

Figure:

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# Log of Boring B-1

PAGE 3 OF 4

DEPTH (feet)	SAMPLES				LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA						
	Sampler Type	Sample	Blows/ 6"	SPT N-Value <sup>1</sup>			Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft	
61	S&H	[Sample]	13 17 23	34	CL	SANDY CLAY (CL) yellow-brown and olive, hard, wet, fine sand, trace coarse sand							
62													
63					CL								
64													
65					CL								
66													
67					CL								
68													
69					CL	CLAY (CL) yellow-brown, hard, wet, trace fine sand							
70													
71	S&H	[Sample]	16 29 41	60	CL								
72													
73					CL								
74													
75					CL								
76	S&H	[Sample]	12 25 39	54									
77					CL								
78													
79					SC	CLAYEY SAND (SC) yellow-brown, medium dense, wet, fine sand							
80													
81	SPT	[Sample]	10 11 11	31	CL	SANDY CLAY (CL) yellow-brown, very stiff to hard, wet, fine sand							
82					CL								
83													
84					CL								
85													
86					CL	CLAY (CL) yellow-brown and gray, very stiff to hard, wet, trace fine sand							
87													
88					CL								
89													
90													

SAN ANTONIO FORMATION

Project No.:

Figure:

