



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-298
TOTAL DEPTH (FT BGS): 111

PROJECT INFORMATION

PROJECT: SRI Phase 3
PROJECT NO.: 10058697
SITE LOCATION: DDMT, Main Installation
PROJECT MANAGER: T. Holmes
FIELD STAFF: C. Mokri / A. Morgan
BOREHOLE STARTED: 7/2/2018
BOREHOLE FINISHED: 7/2/2018

DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.
DRILLER: Larry Yancy
DRILLING METHOD/RIG: Sonic, S1159
BOREHOLE DIAMETER: 6 in.
GROUND SURFACE ELEVATION (FT NAVD): 297.04
WATER DEPTH/ DATE(FT BTOC): 89.74 on 8/11/18
BOREHOLE USE: Monitoring Well

NOTES: PID readings collected from at least 5 foot intervals beginning at ground surface; all readings were 0 parts per million (ppm). No water used during drilling. Well installed 07/02, pad constructed 07/09 and well developed 07/15/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
0 - 2		Fill - Silt with sand, 2.5 YR 4/3, reddish brown, dry	<p>GROUT</p> <p>RISER</p>	
2 - 4		ML - Clayey silt, soft, medium plasticity, 2.5 YR 6/2, pale red, moist		
4 - 10		No Recovery		
10 - 12	CL	Silty clay, very soft, 2.5 YR 6/2, pale red, moist		
12 - 18		Clay, medium stiff, medium to high plasticity, 2.5 YR 4/4, reddish brown		
18 - 20		With trace gravel to 1/4", stiff, medium plasticity, 2.5 YR 5/4, reddish brown		
20 - 24		No gravel, medium stiff, medium to high plasticity, 2.5 YR 4/3, reddish brown, moist		
24 - 28		With trace gravel to 1/8", stiff, high plasticity, 2.5 YR 6/4, light reddish brown		
28 - 30		With subangular gravel to 1/4", medium plasticity, 2.5 YR 6/4, light reddish brown		
30 - 32	GC	Clayey gravel, subangular to 1", stiff, medium plasticity, 10 YR 4/6, red, moist		
32 - 34	SC	Clayey sand with angular gravel to 1", medium grained, very dense, 10 YR 5/6, red		
34 - 36	SP/GP	Sand and gravel with trace clay, coarse grained, loose, 10 YR 5/6, red, moist		
36 - 38	SP	Sand, loose, medium grained, 10 YR 5/6, red, moist		
38 - 42	SW	Sand with subrounded gravel to 1", loose, 2.5 YR 6/6, light red, moist Very moist to wet		
42 - 50	SP	Sand, medium grained, very loose, 2.5 YR 7/6, light red, dry 5 YR 6/8, reddish yellow, moist		

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		With trace subrounded gravel, 5 YR 6/4, pink SW Sand, very loose, 5 YR 6/8, reddish yellow, moist		
	SP	Sand, fine to medium grained, very loose, 5 YR 7/6, reddish yellow, wet		
	SP/GP	Sand and subrounded gravel to 1", fine to medium grained, very loose, wet		
60	SP	Sand with gravel rounded to 1.5", very loose, 5 YR 7/4, pink, dry		
		With 3" cemented layer, 5 YR 3/3, dark reddish brown, moist		
		Fine to medium grained, very loose, 5 YR 7/6, reddish yellow		
	SW	Sand, very loose, 5 YR 7/6, reddish yellow, moist		
	SP	Sand, fine grained, very loose, 5 YR 7/6, reddish yellow, moist		
70	SW/GW	Sand and rounded gravel to 1/2", very loose, 5 YR 5/8, yellowish red, wet		
		5 YR 7/6, reddish yellow		
	GW	Gravel with sand, subrounded gravel to 2", very loose, wet		
	SP	Sand, fine grained, very loose, 5 YR 7/6, reddish yellow, wet		
80		Medium grained, loose		
		With trace rounded gravel to 1"		
		Fine grained, no gravel, 5 YR 7/4, pink		
		Very loose, 5 YR 6/8, reddish yellow		
90		Coarse grained with rounded gravel to 1", 5 YR 6/6, reddish yellow	← BENTONITE	
	SP/GP	Sand and gravel, coarse sand, very loose, wet		
	SP	Sand, fine grained, very loose, 5 YR 8/4, pink, wet		
		Medium grained, loose, 5 YR 6/6, reddish yellow	← SAND PACK	
100				

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110		With trace gravel, very loose, 5 YR 6/3, light reddish brown	<p>SCREEN</p> <p>END CAP</p>	
	SP/GP	Sand/gravel, subrounded gravel 1", very loose, wet		
	SW/GW	SW/GW - Sand and gravel, subrounded gravel to 1", very loose, 5 YR 7/4, pink, wet		
		End of Log		
120				
130				
140				
150				

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