



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-284

TOTAL DEPTH (FT BGS): 120

PROJECT INFORMATION

PROJECT: SRI Phase 3

PROJECT NO.: 10058697

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: C. Mokri

BOREHOLE STARTED: 6/11/2018

BOREHOLE FINISHED: 6/12/2018

DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.

DRILLER: Jose Asua

DRILLING METHOD/RIG: Sonic, S1159

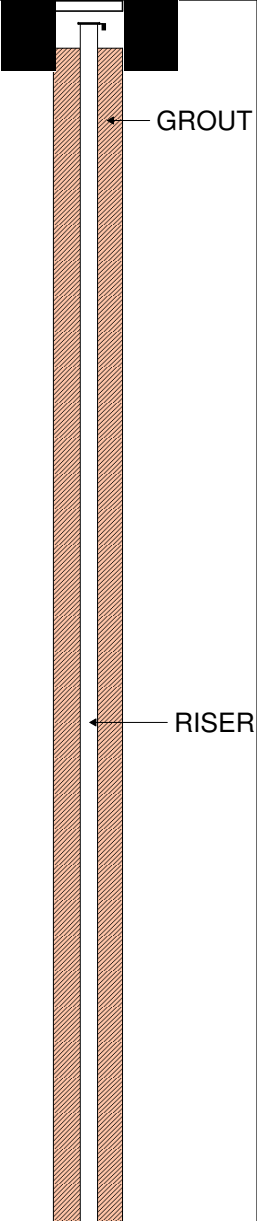
BOREHOLE DIAMETER: 6 in.

GROUND SURFACE ELEVATION (FT NAVD): 304.35

WATER DEPTH/ DATE(FT BTOC): 98.69 on 8/11/18

BOREHOLE USE: Monitoring Well

NOTES: PID readings collected at intervals of 5 feet or less beginning at ground surface; all readings were 0 parts per million (ppm) except for 2.5 ppm at 60 ft. bgs. 1,500 gallons of water used during drilling. Well installed 06/12, pad constructed 06/17 and well developed 07/11/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
		Fill		
		CL Clay, very soft, 7.5 YR 6/6, reddish yellow		
10		SM Silty sand with angular gravel to 1", medium soft, 7.5 YR 5/2, brown		
		CL Silty clay, very soft, medium plasticity, 7.5 YR 5/6, strong brown		
20		7.5 YR 5/6, strong brown with 2.5 YR 4/8 reddish mottle		
30		Very stiff, 2.5 YR 4/6, red, dry		
		Increased sand, medium to fine grained, moist		
40		SP Sand, grades to loose finer grained, dense, 10 YR 4/8, red		
		Medium grained, loose		
50		Medium to fine grained, medium dense, 2.5 YR 4/8, red, dry		

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
60		Some subrounded gravel to 2", loose, 5 YR 5/8, yellowish red, moist Fine to medium grained, 5 YR 6/6, reddish yellow, dry		2.5 ppm
70		Medium grained, 7.5 YR 6/8, reddish yellow, moist Medium to coarse grained		
80		Medium grained Few subrounded gravel to 2", medium to fine grained, 5 YR 5/8, yellowish red 2.5 YR 7/2, pale red		
90	SC	Clayey sand, medium grained, low plasticity, 2.5 YR 5/8, red, mottling		
	SP	Sand, medium to fine grained, loose, 2.5 YR 7/2, pale red		
	SM	Silty sand, fine grained, medium dense, 5 YR 4/2, dark reddish gray		
	SP	Sand, fine grained, loose, 10 YR 7/6, yellow		
		No Recovery		
100			98.69 ft. btoc BENTONITE	

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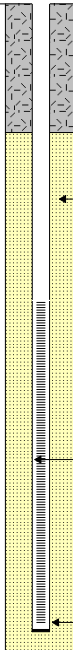
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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		SP Sand, medium to coarse grained, 5 YR 7/3, pink, moist		
		SC Clayey sand, medium to coarse grained, 5 YR 7/3, pink		
110		SP Sand, medium to coarse grained, loose, 5 YR 7/3, pink, moist to wet 7.5 YR 6/8, reddish yellow		
		2.5 YR 5/8, red Sand with little gravel to 1", 2.5 YR 5/4, reddish brown		
120		End of Log		
130				
140				
150				

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