



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-278

TOTAL DEPTH (FT BGS): 109

PROJECT INFORMATION

PROJECT: SRI Phase 2

PROJECT NO.: 10021503

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: J. Bills

BOREHOLE STARTED: 10/29/2016

BOREHOLE FINISHED: 10/30/2016

DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.

DRILLER: Steve Lacey

DRILLING METHOD/RIG: Sonic/TSI 150CC

BOREHOLE DIAMETER: 6 in.

GROUND SURFACE ELEVATION (FT NAVD): 292.46

WATER DEPTH/ DATE(FT BTOC): 80.88 (12/8/2016)

BOREHOLE USE: Monitoring Well

NOTES: PID readings collected at 5 foot intervals beginning at 5 ft, bgs; all readings were 0 parts per million (ppm). No water used during drilling. Boring backfilled with bentonite to 102 ft, bgs prior to well installation. Well installed 10/30, pad constructed 10/30 and well developed 11/13/16.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
10		ML Clayey silt, 10YR 5/6, yellowish brown, mottled, moist.	 GROUT RISER	0 ppm
20		CL Silty clay, medium plasticity, 10YR 5/6, yellowish brown, lignite fragments, moist.		0 ppm
30		SC Clayey sand, trace gravel, rounded, <1", 10YR 5/6, yellowish brown, moist.		0 ppm
40		SP Silty sand, thin layers of clayey sand, silty sand is 2.5YR 4/6, dark red, clayey sand is 10YR 5/6, yellowish brown, moist.		0 ppm
		SP Fine to coarse sand, 7/5YR 5/6, strong brown, moist.		0 ppm
		SP Fine sand, 10YR 7/6, yellow, moist.		0 ppm
50				0 ppm
				0 ppm
				0 ppm
				0 ppm

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		SP Fine to medium sand, trace gravel semi-rounded <1", 7.5YR 6/8, reddish yellow, moist.		
		SP Fine to medium sand, trace gravel rounded <1", 10YR 7/6, yellow, moist.		0 ppm
60				0 ppm
				0 ppm
70				0 ppm
				0 ppm
		SP Fine to medium sand, trace gravel semi-rounded, <1", 10YR 8/2, very pale brown, moist.		0 ppm
80				0 ppm
		SP Medium sand, trace gravel rounded <2", 10YR 6/8, brownish yellow, wet.		0 ppm
90				0 ppm
				0 ppm
		SP Fine to medium sand, trace rounded gravel <1", 10YR 8/2, very pale brown, wet.		0 ppm
100				0 ppm

80.88 ft. btoc

← BENTONITE

← SAND PACK

← SCREEN

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		<p>SP Silty sand, trace gravel rounded <2", clay around gravel, clay is 2.5YR 7/4, pale yellow, wet. Sand is 10YR 5/6, yellowish brown.</p> <p>SW Gravelly sand, gravel is rounded, <2", 10YR 6/8, brownish yellow, wet.</p> <p>CL Clay, medium plasticity, mottled, 10YR 4/6 dark yellowish brown, wet.</p>	<p>END CAP</p> <p>BENTONITE PLUG</p>	<p>0 ppm</p> <p>BENTONITE PLUG</p>
110		End of Log		
120				
130				
140				
150				

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