



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-280

TOTAL DEPTH (FT BGS): 89

PROJECT INFORMATION

PROJECT: SRI Phase 2

PROJECT NO.: 10021503

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: J. Bills

BOREHOLE STARTED: 10/31/2016

BOREHOLE FINISHED: 11/1/2016

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): 306.57

WATER DEPTH/ DATE(FT BTOC): 72.15 (12/6/16)

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) except for a reading of 2.7 ppm at 55 ft, bgs. No water used during drilling. Boring backfilled with bentonite to 87 ft, bgs prior to well installation. Well installed 11/1, pad constructed 11/2 and well developed 11/15/16.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
		GW Fill, gravel and cobbles, 3-4"	 GROUT RISER	0 ppm
10		CL Clay, low plasticity, 10YR 6/4, light yellowish brown, lignite fragments, moist.		0 ppm
		CL Silty clay, low plasticity, 10YR 6/4, light yellowish brown, moist.		0 ppm
		ML Clayey silt, low plasticity, 10YR 5/6, yellowish brown, moist.		0 ppm
20		CL Clay, medium plasticity, 10YR 5/8, yellowish brown, trace lignite, moist.		0 ppm
				0 ppm
30				0 ppm
		SM Silty fine sand, less silty with depth, 7.5YR 5/8, strong brown, moist.		0 ppm
40		SM Silty medium sand 5YR 5/8, yellowish red, moist.		0 ppm
		SP Medium sand, trace gravel rounded <1", 7.5YR 6/8, reddish yellow, moist.		0 ppm
50				0 ppm

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Checked By: TCH

Checked Date: 8/2/2017

PAGE: 1 of 2



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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		SP Fine sand, trace gravel rounded <1", moist. Thin layers (<1") of dry, dense sand. Fine sand with trace gravel is 7.5YR 6/8, reddish yellow, dense sand is 10YR 8/4, very pale brown.		2.7 ppm No recovery 55 to 59.
60		SP Same as 52-55.		0 ppm
		SP Medium sand, 7.5YR 6/8, reddish yellow, moist.		0 ppm
70		SW Silty sand with gravel, <2", 10YR 6/6, brownish yellow, moist to wet.	72.15 ft. btoc ← BENTONITE	0 ppm
			← SAND PACK	0 ppm
80		SP Silty coarse sand, 10YR 7/6, yellow, wet.	← SCREEN	0 ppm
		SW Coarse sand with gravel rounded, <2", 10YR 5/6, yellowish brown, wet.	← END CAP	0 ppm
		CL Silty clay, 10YR 6/6, brownish yellow with thin layers of 2.5Y 7/1, light gray, wet.	← BENTONITE PLUG	
90		End of Log		
100				

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