



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-277

TOTAL DEPTH (FT BGS): 119

PROJECT INFORMATION

PROJECT: SRI Phase 2

PROJECT NO.: 10021503

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: J. Bills

BOREHOLE STARTED: 10/27/2016

BOREHOLE FINISHED: 10/29/2016

DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.

DRILLER: Steve Lacey

DRILLING METHOD/RIG: Sonic/TSI 150CC

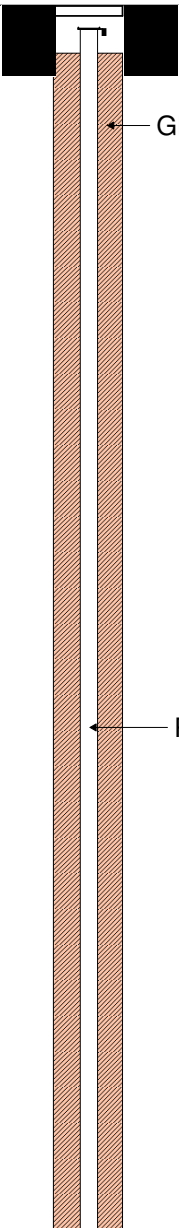
BOREHOLE DIAMETER: 6 in.

GROUND SURFACE ELEVATION (FT NAVD): 301.96

WATER DEPTH/ DATE(FT BTOC): 98.58 (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); except for readings of 0.8 to 68.4 ppm from 50 to 60 ft,bgs. No water used during drilling. Soil collapse to 115 ft, bgs; boring backfilled with bentonite to 113 ft, bgs prior to well installation. Well installed 10/29, pad constructed 11/2 and well developed 11/14/16.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
10	CL	Silty clay, slightly plastic, 10YR 4/4, dark yellowish brown, mottled, moist.		0 ppm
				0 ppm
				0 ppm
				0 ppm
20				0 ppm
	SM	Silty fine sand, 2.5YR 5/6, red, mottled, moist.		0 ppm
	SM	Silty fine to medium sand, 5YR 5/8, yellowish red, moist.		0 ppm
30				0 ppm
				0 ppm
				0 ppm
40	SP	Fine to medium sand, 10YR 7/8, yellow, moist.		21.7 ppm

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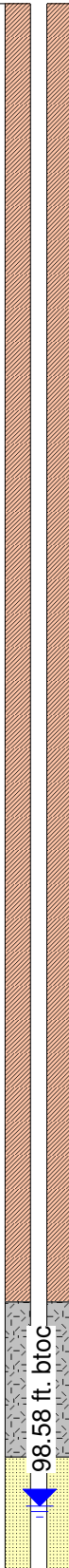
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Depth	Soil Symbol	Soil Description	Well Completion	Comments
60		SW Gravelly sand, gravel is semi-angular <1", 7.5YR 5/6, strong brown, moist, chemical odor.		68.4 ppm
		SW Gravelly sand, gravel is semi-angular, <1", 10YR 8/4, very pale brown, slightly moist, chemical odor.		0.8 ppm
		SP Fine to medium sand, coarsening upwards, 10YR 6/8, brownish yellow, moist.		0 ppm
70		SP Silty sand, trace gravel angular <1", 10YR 7/8, yellow, moist.		0 ppm
		SP Fine sand, 10YR 6/8, brownish yellow, moist.		0 ppm
		SW Gravelly sand, gravel is semi-rounded, <2", 7.5YR 6/8, reddish yellow, moist.		0 ppm
80		SP Fine sand, 10YR 7/8, yellow moist.		0 ppm
				0 ppm
90		SP Medium sand, 10YR 6/4, light yellowish brown, wet.		0 ppm
		SP Fine sand, 10YR 7/6, yellow, wet.		0 ppm
100		SP Fine to medium sand, trace gravel rounded <1", 7.5YR 6/8, reddish yellow, wet.		0 ppm

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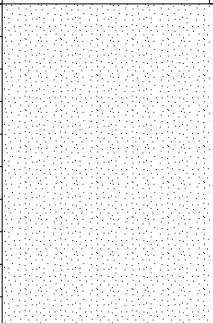
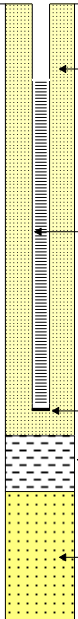
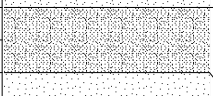

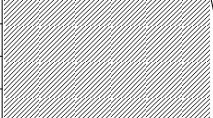
PAGE: 2 of 3



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Depth	Soil Symbol	Soil Description	Well Completion	Comments
110		SW Gravelly sand, gravel is rounded <3", 10YR 6/6, brownish yellow, wet		0 ppm
		SP Silty fine sand, 2/5YR 6/4, light yellowish brown, wet.		0 ppm
		SW Gravelly sand, gravel is rounded <2", 10YR 6/6, brownish yellow, wet.		0 ppm
		CL Silty clay, medium plasticity, 2/5YR 6/2, light greyish brown, wet.		
120		CL Silty clay, low plasticity, 5Y 5/1, gray, wet.		
		End of Log		
130				
140				
150				

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PAGE: 3 of 3