



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-282

TOTAL DEPTH (FT BGS): 94

PROJECT INFORMATION

PROJECT: SRI Phase 2

PROJECT NO.: 10021503

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: J. Bills

BOREHOLE STARTED: 11/7/2016

BOREHOLE FINISHED: 11/9/2016

DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.

DRILLER: Steve Lacey

DRILLING METHOD/RIG: Sonic/TSI 150CC

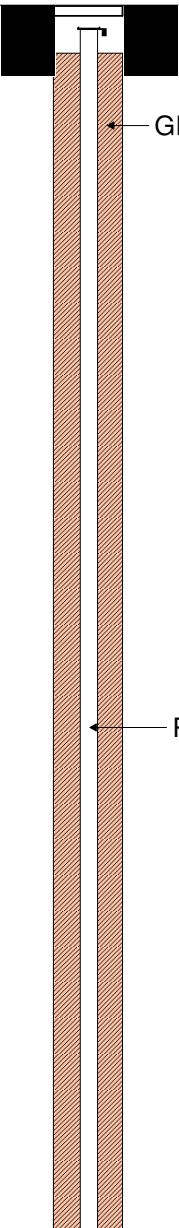
BOREHOLE DIAMETER: 6 in.

GROUND SURFACE ELEVATION (FT NAVD): 308.14

WATER DEPTH/ DATE(FT BTOC): 79.68 (12/9/16)

BOREHOLE USE: Monitoring Well

NOTES: Initial boring abandoned due to problem during installation; replacement drilled 15 ft away. Soil description is from initial boring, except for depth to clay; well completion is from the final well. Replacement boring backfilled with bentonite to 87 ft, bgs prior to well installation. 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. Well installed 11/9, pad constructed 11/16 and well developed 12/8/16.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
		ML Silt, 10YR 5/6, yellowish brown, moist.		0 ppm
10		ML Clayey silt, trace gravel rounded <2", 10YR 3/4, dark yellowish brown, moist.		0 ppm
		ML Clayey silt, 5Y 3/1, very dark gray, moist.		0 ppm
		ML Clayey silt, 5Y 3/1, very dark grey transitioning to 10YR 4/6, dark yellowish brown, moist.		0 ppm
20		CL Silty clay, medium to low plasticity, lignite fragments, 10YR 4/6, dark yellowish brown, moist.		0 ppm
		SC Clayey sand, coarsening with depth, 2.5YR 5/8, red; thin clay lenses gley 8/10Y, light greenish gray, moist.		0 ppm
30		SP Silty fine sand, 5YR 5/8, yellowish red, moist.		0 ppm
		SP Silty fine sand, 7.5YR 6/8, reddish yellow, moist.		0 ppm
40		SP Fine sand, 7.5YR 8/1, white, slightly moist.		0 ppm
		SP Fine to medium sand, 7.5YR 5/8, strong brown, moist.		0 ppm
		SP Fine sand, 10YR 7/6, yellow, moist.		0 ppm
50				0 ppm

Created By: WTR Created Date: 12/21/2016

Checked By: TCH Checked Date: 8/2/2017

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		SP Fine sand with rounded gravel, <3", 10YR 7/8, yellow moist.		
		SP Fine to medium sand, 7.5YR 6/8, reddish yellow, moist.		0 ppm
60				0 ppm
		SP Fine to coarse sand, 10YR 7/8, yellow, moist.		0 ppm
70		SP Silty fine sand, trace gravel rounded <1", 10YR 6/8, brownish yellow, moist.		
		SW Gravelly sand, gravel is rounded <1", 7.5YR 6/8, reddish yellow, wet at 77'.		
80		SP Fine sand, trace gravel rounded <2", 7.5YR 7/8, reddish yellow, wet.		
		CH Clay, high plasticity, mottled, 7.5YR 7/1, light gray, wet.		
90		CH Clay, high plasticity, 2.5Y 4/1, dark gray, wet.		
		End of Log		
100				

Well Completion

