



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-288

TOTAL DEPTH (FT BGS): 102

PROJECT INFORMATION

PROJECT: SRI Phase 3

PROJECT NO.: 10058697

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: C. Mokri

BOREHOLE STARTED: 6/17/2018

BOREHOLE FINISHED: 6/18/2018

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): 305.07

WATER DEPTH/ DATE(FT BTOC): 85.35 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 1.6 ppm at 49 ft. bgs. No water used during drilling. Well installed 06/18, pad constructed 06/20 and well developed 07/13/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
0		ML Clayey silt with trace sand, medium to low plasticity, 5 YR 4/3, reddish brown, moist		
10		CL Silty clay, very soft, medium plasticity, 5 YR 5/4, reddish brown Stiff, 5 YR 3/3, dark reddish brown Very stiff, medium to high plasticity, 5 YR 4/4, yellowish red, dry With trace sand, soft, medium plasticity, 5 YR 5/6 yellowish red Medium to high plasticity, 5 YR 4/6, yellowish red With trace sand, 5 YR 5/3, reddish brown	GROUT	
20		SC Clayey sand, medium to fine grained, soft, medium plasticity, 2.5 YR 5/4, reddish brown, moist Medium grained, multicolored, 2.5 YR 4/6, red and 5 YR 5/3, reddish brown		
30		SP Sand with clay, very dense, 2.5 YR 4/6, red, dry Trace clay, medium grained, 2.5 YR 4/6, red 2.5 YR 3/6, dark red Medium to fine grained, loose, 2.5 YR 5/6, red Fine grained, 5 YR 6/6, reddish yellow Medium to fine grained, 5 YR 5/8, yellowish red, moist Medium grained, 5 YR 5/8, yellowish red with variegated 10R 3/6, dark red Fine grained, 5 YR 7/1, light gray Medium to fine grained, 5 YR 6/6, reddish yellow	RISER	
40				
50				1.6 ppm

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Created Date: 9/6/18

Checked By: CM/TCH

Checked Date: 9/26/18

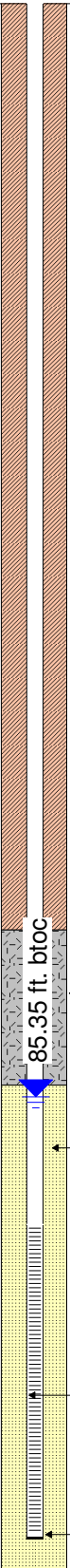
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Depth	Soil Symbol	Soil Description	Well Completion	Comments
60		Fine grained, very loose, 5 YR 7/2, pinkish gray Medium to coarse grained, very loose, 5 YR 6/6, reddish yellow, moist With subrounded gravel to 1/2", 5 YR 7/2 pinkish gray, dry SP/GP Sand/gravel, subangular gravel to 3/4", loose, multicolored, 5 YR 6/2, pinkish gray and 5 YR 6/6, reddish yellow, dry SP Trace subangular gravel to 3/4", medium to coarse grained, loose, 2.5 YR 6/6, light red, moist With subangular gravel to 1", multicolored, 2.5 YR 6/6, light red and 2.5 YR 3/1, dark reddish gray No Recovery	 85.35 ft. btoc ← BENTONITE ← SAND PACK ← SCREEN ← END CAP	
70		SP Trace subrounded gravel to 1", medium grained, loose, 2.5 YR 4/3 reddish brown, wet to moist Trace angular gravel to 1/4", 2.5 YR 4/6, red with dark reddish brown mottle 2.5 YR 4/3 Fine grained, very dense, 2.5 YR 7/2, light reddish brown with some 2.5 YR 5/4 red mottling		
80		SP/GP Sand/gravel, subrounded to 1", loose, 5 YR 6/6, reddish yellow Coarse grained, 2.5 YR 6/6, light red, wet		
		SP Sand, fine grained, no gravel, loose, 7.5 YR 6/8, yellowish red		
90		GP Gravel with coarse grained sand, gravel to 1/2", loose, 7.5 YR 6/8, yellowish red SP Sand with trace silt, fine grained, medium dense, multicolored 2.5 YR 4/8, red and 2.5 YR 6/8, light red Fine grained, loose, 2.5 YR 7/6, light red Medium dense, 2.5 YR 5/6, red		
100				

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		End of Log		
110				
120				
130				
140				
150				

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