



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-301

TOTAL DEPTH (FT BGS): 85

PROJECT INFORMATION

PROJECT: SRI Phase 3

PROJECT NO.: 10058697

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: A. Morgan

BOREHOLE STARTED: 7/13/2018

BOREHOLE FINISHED: 7/13/2018

DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.

DRILLER: Larry Yancy

DRILLING METHOD/RIG: Sonic, S1159

BOREHOLE DIAMETER: 6 in.

GROUND SURFACE ELEVATION (FT NAVD): 271.33

WATER DEPTH/ DATE(FT BTOC): 64.34 on 8/11/18

BOREHOLE USE: Monitoring Well

NOTES: PID readings collected from at least 5 foot intervals beginning at ground surface; all readings were 0 parts per million (ppm). No water used during drilling. Well installed 07/13, pad constructed 07/14 and well developed 07/17/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
10	ML	Silt with few clay, medium stiff, low plasticity, medium to high dry strength, 2.5 YR 5/4, reddish brown, dry Medium dry strength High dry strength With little fine grained sand, very stiff, low plasticity, medium dry strength, 2.5 YR 7/1, reddish gray, dry 2.5 YR 5/4, reddish brown with 6" thick layer of black/orange staining 2.5 YR 7/1, reddish gray	GROUT	
20	SP	Sand with little silt and trace subangular gravel, fine grained, very dense, 2.5 YR 5/8, red, dry Medium dense		
	SW	Sand with some subangular gravel to 1/2", strong cementation, 2.5 YR 4/8, red, dry Few subrounded gravel to 1/8", moderate cementation, 2.5 YR 6/8, light red, moist		
30	SP	Sand with trace 1/8" subangular gravel, loose, weak cementation, 2.5 YR 4/8, red, 2" layer of black sand		
	SW	Sand with some 1/8" subangular gravel, loose, weak cementation, 2.5 YR 4/8, red, moist With little gravel to 1/4"		
	SP	Sand, medium to fine grained, loose, 2.5 YR 5/8, red, moist		
40	SW	Sand with some gravel to 1/2", loose, 2.5 YR 6/4, light reddish brown, moist		
	SP	Sand, fine grained, loose, 2.5 YR 6/8, light red, moist		
	SW	Sand with few subrounded gravel to 1/2", loose, moderate cementation, 2.5 YR 7/3, light reddish brown, moist With little gravel to 1/8", 2.5 YR 5/8, red, moist Some subrounded gravel to 1/2", wet 2.5 YR 6/6, light red, wet	RISER	
50				

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Created Date: 9/6/18

Checked Date: 9/27/18

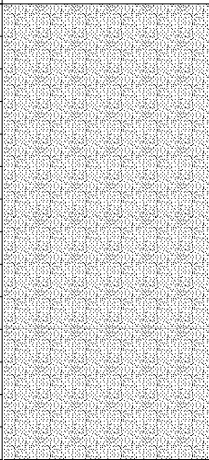
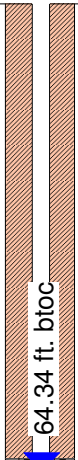
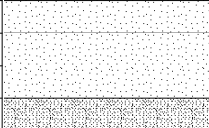
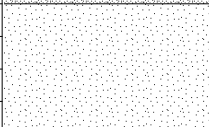
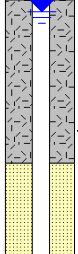
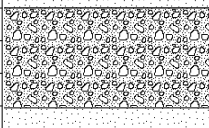
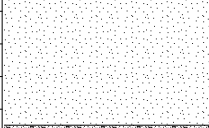



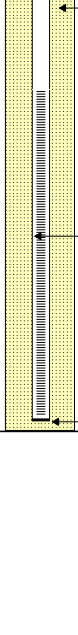
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Depth	Soil Symbol	Soil Description	Well Completion	Comments
60		SP/GP Sand and subrounded gravel to 1", loose, 2.5 YR 6/8, light red, moist SP Sand, fine grained, very loose, 2.5 YR 7/3, light reddish brown, moist Trace 1/8" gravel, loose, 2.5 YR 5/3, light reddish brown, mottled with dark gray, moist		
70	 	SW Sand, loose, 10 YR 7/8, yellow, moist Variegated 10 YR 7/8, yellow and 10 YR 8/3, very pale brown SP Sand, medium to fine grained, loose, 10 YR 8/3, very pale brown, moist		← BENTONITE
80	    	SW Sand with little subrounded gravel, loose, 2.5 YR 7/2, pale red, wet, 2" strongly cemented layer GW Gravel with some medium grained sand, loose, subrounded gravel to 1", 10 YR 5/8, yellowish brown, wet SW Sand with some subrounded gravel to 1", loose, 2.5 YR 7/3, light reddish brown, wet With little subrounded gravel to 1" GW/SW Gravel and sand, subrounded gravel, loose, 2.5 YR 7/3, light reddish brown, wet GW Gravel with some medium grained sand, subrounded gravel, loose, 2.5 YR 6/6, light red, wet		← SAND PACK ← SCREEN ← END CAP
90		End of Log		
100				

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