



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-295

TOTAL DEPTH (FT BGS): 90

## PROJECT INFORMATION

PROJECT: SRI Phase 3

PROJECT NO.: 10058697

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: C. Mokri

BOREHOLE STARTED: 6/28/2018

BOREHOLE FINISHED: 6/29/2018

## DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.

DRILLER: Jose Asua

DRILLING METHOD/RIG: Sonic, S1159

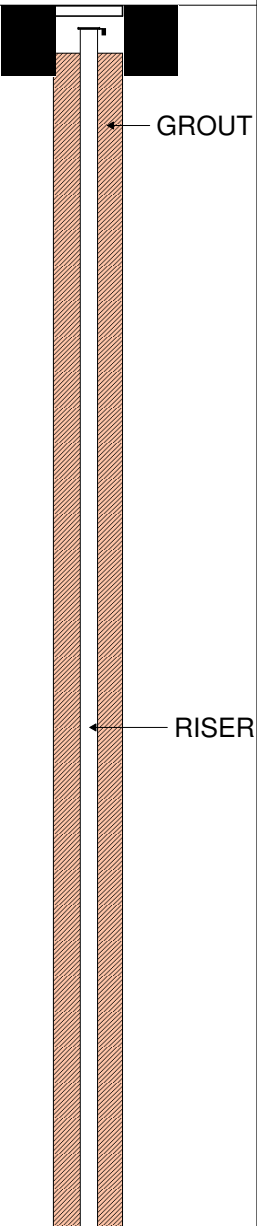
BOREHOLE DIAMETER: 6 in.

GROUND SURFACE ELEVATION (FT NAVD): 304.72

WATER DEPTH/ DATE(FT BTOC): 77.43 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. Boring backfilled with bentonite to 85 ft. bgs. prior to well installation. Well installed 06/29, pad constructed 07/01 and well developed 07/14/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
		<b>ML</b> Silt, stiff, moderate cementation, nonplastic, 2.5 YR 4/3, reddish brown, dry		
		<b>CL</b> Silty clay, very stiff, medium plasticity, 2.5 YR 4/2, weak red with green mottling		
10		<b>ML</b> Silt with trace fine sand, very stiff, nonplastic  Clayey silt with trace fine sand, very stiff, medium to low plasticity, 2.5 YR 5/3, reddish brown		
20		<b>SC</b> Clayey sand, medium to fine grained, very stiff, low dry strength, Gley 1 3/10, very dark greenish gray, dry		
30		<b>CL</b> Sandy clay, fine grained, soft, medium plasticity, Gley 1 3/10, very dark greenish gray, moist  With silt, fine to medium grained, medium stiff, medium plasticity, 2.5 YR 4/2, weak red		
40		<b>SC</b> Clayey sand medium grained, stiff, medium plasticity, 2.5 YR 4/4, red, dry		
50		<b>SP</b> Sand, very loose, moderate cementation, 2.5 YR 5/8, red, moist  Medium grained, 2.5 YR 7/3, light reddish brown Loose, 2.5 YR 5/8, red Medium dense, 2.5 YR 4/6, red With subrounded gravel to 1", wet		

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		<b>SW</b> Sand, medium dense, moderate cementation, 2.5 YR 5/6, red, wet		
		With subrounded gravel to 1", very loose		
60		<b>SC</b> Clayey sand, moderate cementation, 2.5 YR 3/1, dark reddish gray, dry		
		<b>SP</b> Sand, medium grained, loose, 2.5 YR 5/6, red, wet		
		Fine grained, very loose		
70		Trace gravel to 1/2", 2.5 YR, 6/6, light red		
		Trace rounded gravel to 1", fine to medium grained		
		<b>SW</b> Sand with some gravel, very loose, 2.5 YR 5/6, red		
		<b>SP/GP</b> Sand and subrounded gravel to 1", coarse grained, very loose		
		<b>GP</b> Gravel with coarse grained sand, rounded to 3/4", very loose, 2.5 YR 6/6, light red, wet		
80		<b>SP</b> Sand with gravel, very loose, 2.5 YR 5/8, red		
		<b>GP</b> Gravel with some clay, loose, 2.5 YR 7/3, light reddish brown		
		<b>SP</b> Sand, fine grained, moderate cementation, 5 YR 5/8, yellowish red, moist		
		<b>CL</b> Sandy clay, very stiff, medium to high plasticity		
		<b>SP</b> Sand with some clay, dense, 5 YR 6/2, pinkish gray		
		<b>CL</b> Clay, Medium to very stiff, medium to high plasticity, 5 YR 6/2, pinkish gray grades to 5 YR 7/6, reddish yellow		
90				
		End of Log		
100				

Well Completion

Comments

← BENTONITE

← SAND PACK

← SCREEN

← END CAP

← BENTONITE PLUG

77.43 ft. btoc

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