



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-294

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: 6/27/2018

BOREHOLE FINISHED: 6/27/2018

## DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.

DRILLER: Jose Asua

DRILLING METHOD/RIG: Sonic, S1159

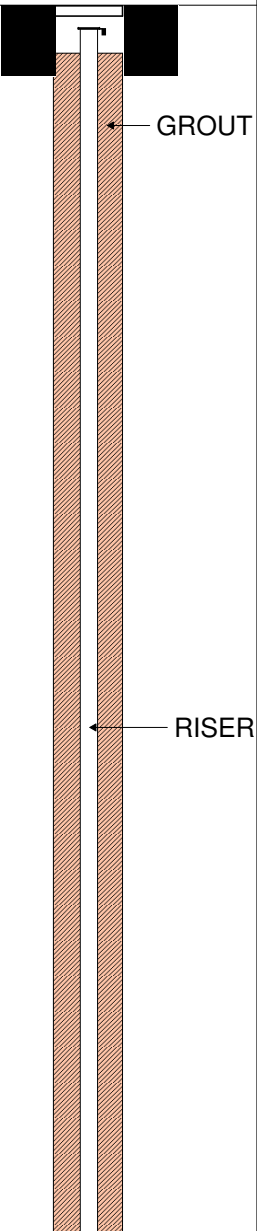
BOREHOLE DIAMETER: 6 in.

GROUND SURFACE ELEVATION (FT NAVD): 304.84

WATER DEPTH/ DATE(FT BTOC): 71.19 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). No water used during drilling. Boring backfilled with bentonite to 80.5 ft. bgs. prior to well installation. Well installed 06/27, pad constructed 07/01 and well developed 07/15/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
10		<b>ML</b> Silt with trace fine sand, medium stiff, low plasticity, 2.5 YR 4/3, reddish brown, dry  With some clay and trace fine sand, medium plasticity, 2.5 YR 5/3, reddish brown  With trace clay and trace fine sand		
		<b>CL</b> Clay, soft, medium plasticity, 2.5 YR 5/3, reddish brown, moist  Medium stiff		
20		Stiff Medium stiff, 7.5 YR 6/3, light brown, dry		
30		With angular gravel to 1/4", stiff, 2.5 YR 5/3, reddish brown with red mottling, moist With medium grained sand, very stiff, multicolored red, gray, orange, dry		
		<b>SP</b> Sand, medium grained, very dense, 2.5 YR 5/6, red with orange mottling, dry  With clay, very dense, medium to low plasticity, red		
40		<b>CL</b> Clay with sand, medium grained, very stiff, multicolored red, orange, black and gray		
		<b>SP</b> Sand, medium grained, medium dense, 2.5 YR 6/8, light red		
		<b>CL</b> Clay with sand, very stiff, 2.5 YR 6/8, light red, with black-gray mottling		
		<b>SP</b> Sand, fine to medium grained, very loose, 2.5 YR 7/4, light reddish brown		
50		Fine grained, 5 YR 7/2, pinkish gray		

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Checked Date: 9/27/18

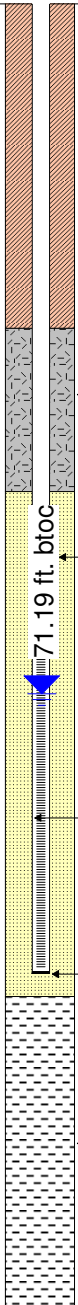
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Depth	Soil Symbol	Soil Description	Well Completion	Comments
60		With rounded gravel to 1", fine to medium grained, loose, 2.5 YR 6/6, light red Fine grained, no gravel, very loose, 7.5 YR 7/3, pink Trace gravel to 1/4", fine to medium grained, very loose, 2.5 YR 6/8, light red Fine grained, 7.5 YR 7/3, pink, dry With trace subrounded gravel to 1", 2.5 YR 6/6, light red, moist With 1" bands of 2.5 YR 4/8, red Trace 1/4" gravel, fine grained, very loose, 2.5 YR 7/4, light reddish brown Medium to coarse grained, 2.5 YR 4/6, red, dry Medium grained, loose, moderate cementation, 5 YR 8/2, pinkish white Fine grained, very loose, 10 YR 7/6, yellow Clayey sand, medium stiff, black orange mottling Fine grained, very loose, 7.5 YR 8/2, pinkish white  5 YR 5/8, yellowish red, moist  5 YR 7/6, reddish yellow, wet Medium grained  Coarse grained with subrounded gravel to 1", 5 YR 6/6, reddish yellow		
80	<b>GP</b> Gravel with coarse grained sand, gravel subrounded to 3" <b>SC</b> Clayey sand, fine to medium grained, 5 YR 4/6, yellowish red, moderate cementation <b>CL</b> Clay, hard, medium to high plasticity, 5 YR 3/1, very dark gray			
90		End of Log		
100				

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