



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-291
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: C. Mokri
BOREHOLE STARTED: 6/19/2018
BOREHOLE FINISHED: 6/25/2018

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): 303.97
WATER DEPTH/ DATE(FT BTOC): 71.45 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. Well installed 6/25, pad constructed 07/03 and well developed 07/12/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
0		Fill - Asphalt and aggregate base		
0 - 10	ML	Silt, medium stiff, nonplastic, 5 YR 4/3, reddish brown, dry With trace sand, low plasticity, low dry strength, 5YR 4/4, reddish brown Stiff, 5YR 6/6, reddish yellow with gray mottle Clayey silt with trace fine sand, soft, medium plasticity, 5YR 4/4, reddish brown, moist Medium stiff		
10 - 27		With fine sand, stiff, 5 YR 5/4, reddish brown with 2.5 YR 5/6 red mottling		
27 - 32	CL	Silty clay, trace fine sand, soft, medium plasticity, 2.5 YR 5/3, reddish brown Sandy clay, medium to fine grained, soft, medium plasticity, 2.5 YR 4/4, red		
32 - 50	SP	Sand with few clay, medium grained, medium dense, 2.5 YR 4/8, red Trace clay, dense Few clay, medium to fine grained, 2.5 YR 4/6, red No clay, loose, 2.5 YR 4/8, red Medium grained, very loose, 5 YR 6/6, reddish yellow Trace rounded gravel to 1/2", medium grained, very loose, 5 YR 7/6, yellowish red Medium dense, 2.5 YR 4/8, red		

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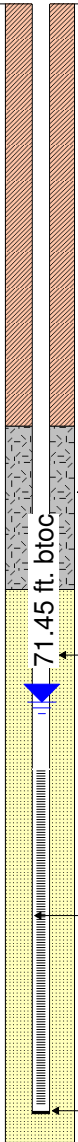
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60		Trace gravel rounded to 1/2", trace clay, very dense, slight cementation, 2.5 YR 4/8, red, wet Trace clay, medium to fine grained, medium dense, moist Trace rounded gravel to 1/2", coarse grained, loose, 2.5 YR 4/8, red Increased gravel SP/GP Sand/gravel, coarse grained, subrounded gravel to 1", very loose, 5 YR 6/6, reddish yellow Sand, few gravel to 3", medium to coarse grained, 7.5 YR 6/8, reddish yellow, wet Trace rounded gravel to 1", 5 YR 5/8, yellowish red		
70		SP/GP Sand/Gravel, coarse grained, subangular gravel to 1", 10 YR 5/6, yellowish brown, moist GP Gravel with coarse grained sand, subrounded to 1/2", loose, some sand cementation, multicolored 5 YR 5/6 yellowish red and 5 YR 4/3, yellowish brown, wet	71.45 ft. bitoc	
80		SP Sand, very fine grained, very loose, 2.5 YR 7/1, light reddish gray Trace subrounded gravel to 1/2", medium grained, very loose, 2.5 YR 5/6, red Few subrounded gravel to 1/4", coarse grained, 2.5 YR 4/3, reddish brown SP/GP Sand/gravel, subrounded gravel to 1", light reddish brown, 2.5 YR 6/4 GP Gravel with some coarse grained sand, rounded gravel to 2", 5 YR 6/6, reddish yellow Few cobbles up to 4", little coarse grained sand, very loose, 5 YR 6/4, reddish yellow	SCREEN	
90		End of Log	END CAP	
100				

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