Log of Boring No. BRC-SB-27-A

BMI Site - Hydrogeologic Characterization

Henderson, Nevada

Drilling Method: Rotary Sonic
Drilling Equipment: Rotary Sonic

Drilling Contractor: Prosonic Corporation

Driller: Gerardo Chavez

Sample Type: Split spoon
Sample Interval Continuous

Logged By: Jennifer Wiley Date Started: 6/24/04 Date Completed: 7/01/04

Borehole Total Depth: 400 ft bgs

Borehole Diameter: 8.5"

Boring Location: Location 27 (W

Boring Location: Location 27 (Well ID: MCF-27) **Depth to Water (ft. bgs):** 65.5 ft bgs

Monitoring Well Construction

Type of Surface Seal:
Blank Casing Type/Size:

Bentonite Grout 4" Sch 80 PVC Screen Slot Size: Top of Screen (ft. bgs): 0.010 in 361.5 ft bgs

Basic Remediation

Screen Type/Size:

Transition Sand Type:

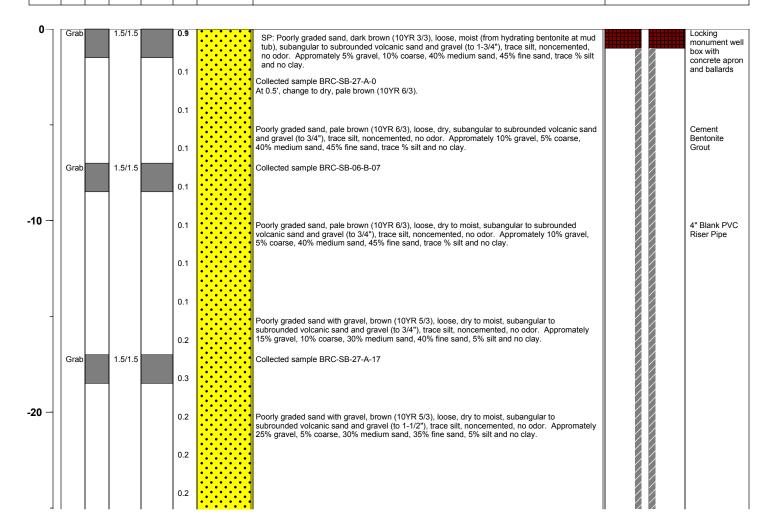
4" Sch 80 PVC N/A Bottom of Screen (ft. bgs): Type of Sand Pack: 381.5 ft bgs #2 x 12

Depth
Elevation (MSLD)
Sample Type
Sample Interval
Sample Recovery
(feet)
Sample Retained
for Analysis

PID

Soil Description

Well Construction



Project No. 3850360

Log of Boring:



BRC-SB-27-A

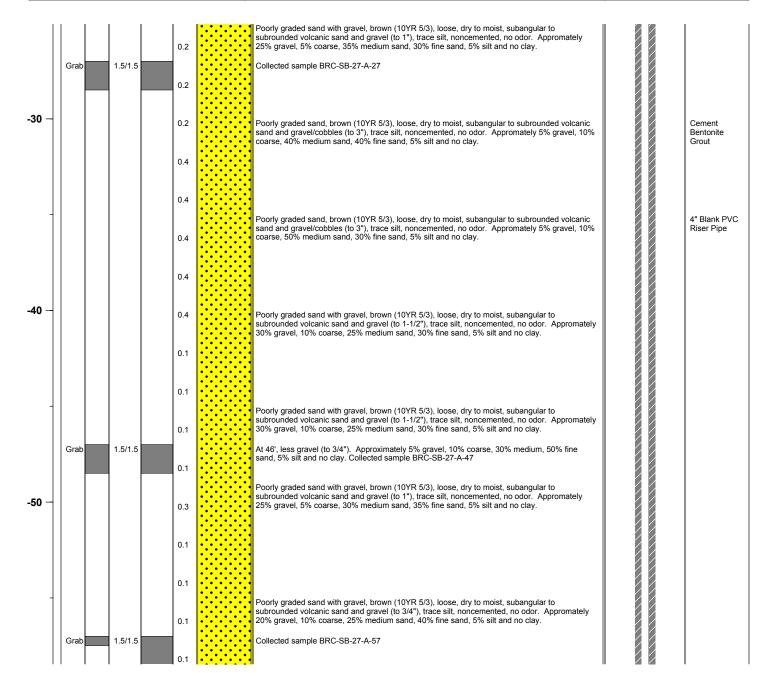




Henderson, Nevada

Log of Boring No. BRC-SB-27-A

Sample Type Sample Interv Sample Recail MSLI Sample Interv (feet) Sample Retail for Analysis
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Project No. 3850360

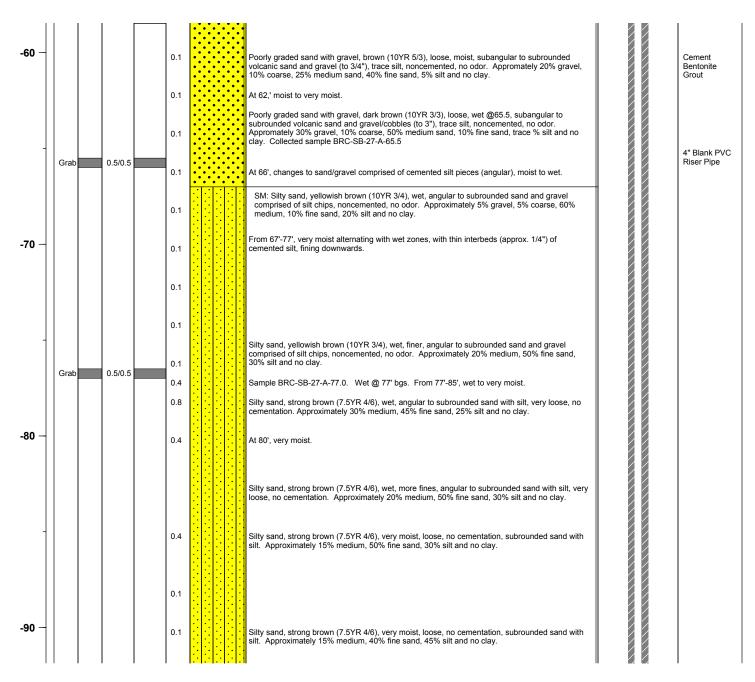




Henderson, Nevada

Log of Boring No. BRC-SB-27-A

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Depth Elevation (MSLD)	Sample Type	Sample Interval	≥	ue "	PID	Lithology	Soil Description	Well Construction



Project No. 3850360

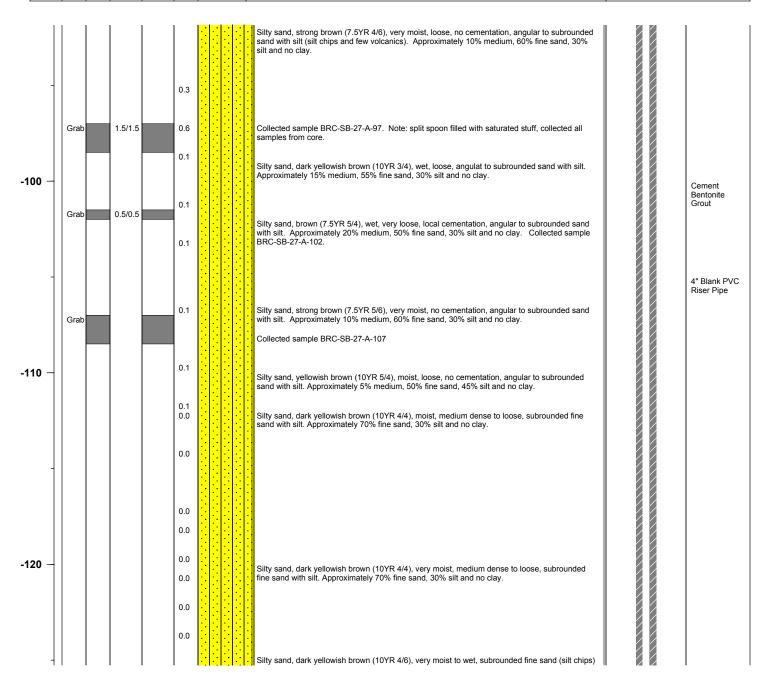




Henderson, Nevada

Log of Boring No. BRC-SB-27-A

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction



Project No. 3850360

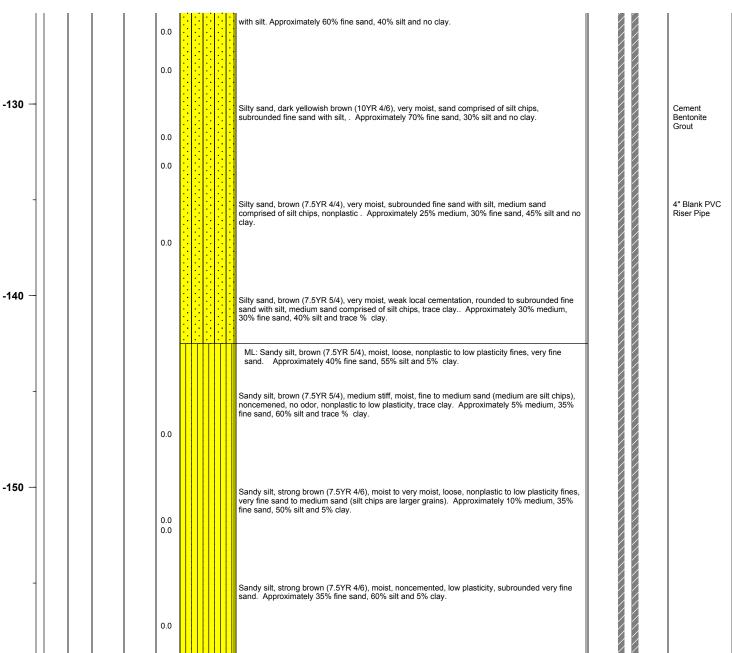




Henderson, Nevada

Log of Boring No. BRC-SB-27-A

Relevation Sample Sampl
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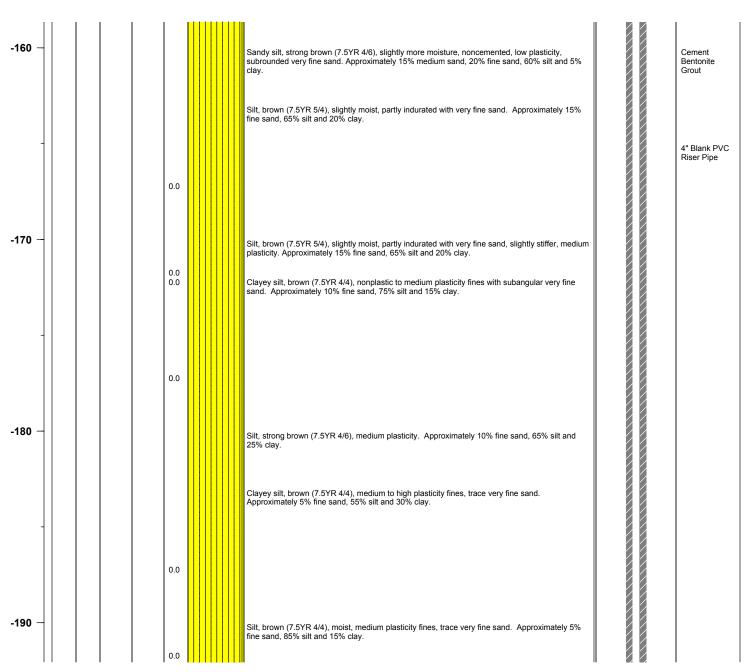




Henderson, Nevada

Log of Boring No. BRC-SB-27-A

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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Project No. 3850360

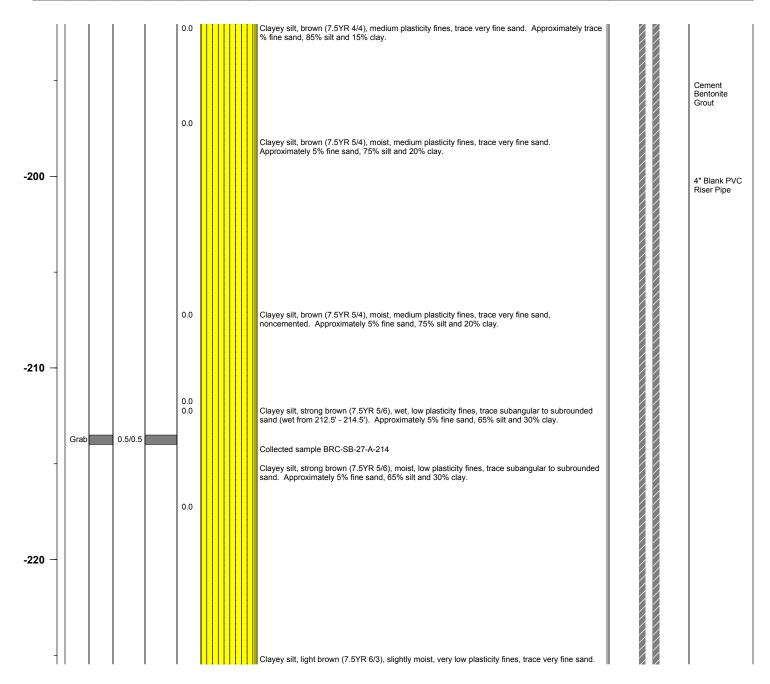




Henderson, Nevada

Log of Boring No. BRC-SB-27-A

Depth tion (MS	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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Project No. 3850360

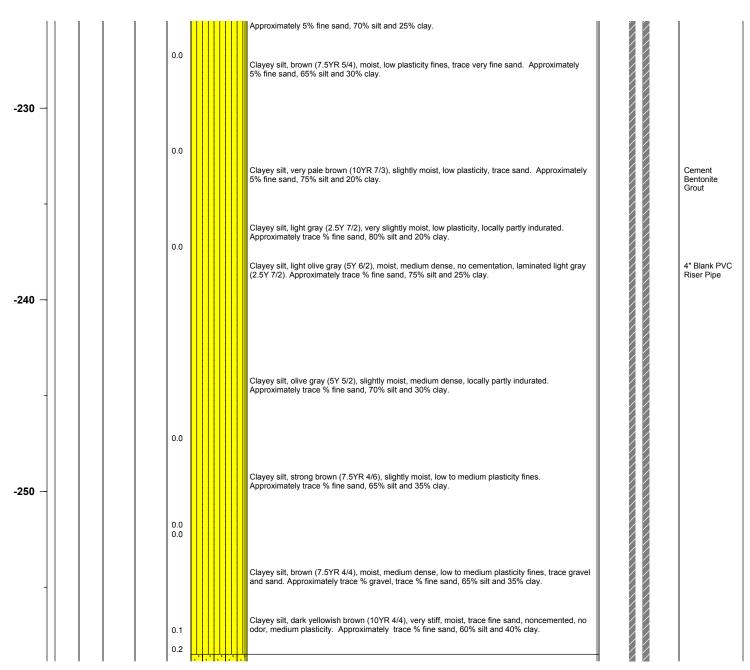




Henderson, Nevada

Log of Boring No. BRC-SB-27-A

Depth Elevation (MSLD) Sample Type	Interva	Sample Recovery (feet) Sample Retained	for Analysis PID	Lithology	Soil Description	Well Construction
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Project No. 3850360

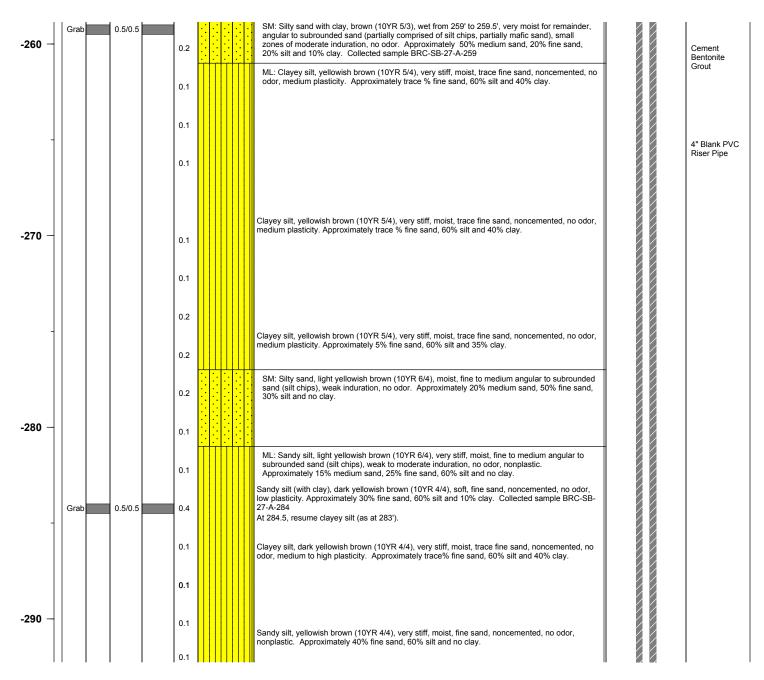




Henderson, Nevada

Log of Boring No. BRC-SB-27-A

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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Project No. 3850360





Henderson, Nevada

Log of Boring No. BRC-SB-27-A

0.1 Sandy silt yellowish brown (10YR 4/4), very stiff, moist, fine to medium sand, angular to subrounded sand (silt chips), weak to moderate induration, no odor, nonplastic. Approximately 0.1 20% medium sand, 20% fine sand, 60% silt and no clay. 0.1 Sandy silt yellowish brown (10YR 4/4), very stiff, moist, fine to medium angular to subrounded sand (silt chips), noncemented, no odor, nonplastic. Approximately 20% medium sand, 20% fine -300 Cement Bentonite 0.1 sand, 60% silt and no clay. Grout 0.1 Collected sample BRC-SB-27-A-306 0.1 4" Blank PVC SC: Clayey sand, dark yellowish brown (10YR 4/4), wet from 305.5' -306', moist to 306.75', subangular to subrounded volcanic sand and gravel, noncemented, no odor. Approximately Grab 0.5/0.5 Riser Pipe 0.1 5% gravel, 5% coarse, 45% medium, 15% fine sand, 0% silt and 30% clay. ML: Clayey silt, yellowish brown (10YR 5/4), medium stiff, moist, trace fine sand, noncemented, no odor, medium to high plasticity. Approximately trace % fine sand, 60% silt 0.2 At 308.5' - 309', wet areas (muddy) between weakly indurated silt ares. -310 0.2 Silt with sand, brown (7.5YR 5/3), very stiff, moist, fine sand, trace medium sand, noncemented, no odor, medium plasticity. Approximately trace % medium sand, 15% fine sand, 70% silt and 0.1 15% clay 0.1 Sandy silt, brown (7.5YR 5/3), very stiff, moist, fine to medium sand (silt chips), weak induration, no odor, noncemented, nonplastic, with clay. Approximately 5% medium sand, 25% fine sand, 60% silt and 10% clay. 0.1 0.1 Sandy silt, yellowish brown (10YR 5/4), hard, moist, fine to medium sand (silt chips), moderate induration, no odor, nonplastic. Approximately 10% medium sand, 30% fine sand, 60% silt and -320 0.1 no clay. 0.1 Sandy silt, yellowish brown (10YR 5/4), hard, moist, fine to medium sand (silt chips), moderate induration, no odor, nonplastic. Approximately 10% medium sand, 30% fine sand, 60% silt and 0.1

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Henderson, Nevada

Log of Boring No. BRC-SB-27-A

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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Sandy silt, yellowish brown (10YR 5/4), hard, moist, fine to medium sand (silt chips), moderate induration, no odor, nonplastic. Approximately 5% medium sand, 25% fine sand, 70% silt and 0.1 -330 0.1 Cement Bentonite Grout Silt with sand, yellowish brown (10YR 5/4), very stiff, moist, fine sand, (silt chips), weak to moderate induration, no odor, nonplastic. Approximately trace % medium sand, 15% fine sand, 85% silt and no clay. 0.1 0.1 Silt with sand, yellowish brown (10YR 5/4), very stiff, moist, fine sand, (silt chips), weak 4" Blank PVC induration, no odor, nonplastic,. Approximately trace % medium sand, 15% fine sand, 85% silt Riser Pipe 0.1 and no clay. Collected sample BRC-SB-27-A-339.5 0.1 SM: Silty sand, yellowish brown (10YR 5/4), very moist with wet zones, fine to medium sand (comprised of mafics [fine] and silt stone pieces), weak to moderate induration, no odor. Approximately 50% medium sand, 30% fine sand, 20% silt and no clay. 0.5/0.5 -340 0.1 ML: Clayey silt, brown (7.5YR 5/4), very stiff, moist, fine sand, weak induration, no odor, medium to high plasticity. Approximately 10 % fine sand, 60% silt and 30% clay. 0.1 0.1 0 1 Clayey silt, brown (7.5YR 5/4), very stiff, moist, fine sand, weak induration, no odor, medium to high plasticity. Approximately 10 % fine sand, 60% silt and 30% clay. 0.1 0.1 Clayey silt with sand, yellowish brown (7.5YR 5/4), very stiff, moist, fine sand, weak induration, no odor, medium plasticity. Approximately 20 % fine sand, 50% silt and 30% clay. -350 0.1 0.1 Bentonite seal Sandy silt, brown (7.5YR 5/4), very stiff, moist, fine to medium sand (silt chips), weak induation, no odor, low to medium plasticity. Approximately 10% medium sand, 20% fine sand, 60% silt and 10% clay. 0.1 0.1 Silt with sand, brown (7.5YR 5/4), very stiff, moist, fine to medium sand, (silt chips), weak induration, no odor, low plasticity,. Approximately 5% medium sand, 10% fine sand, 85% silt and trace% clay. 0.1

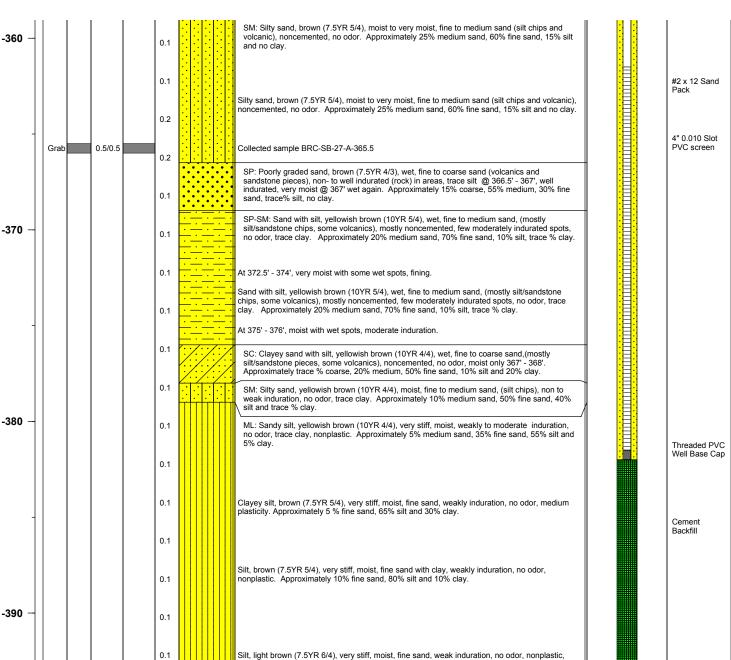
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Henderson, Nevada

Log of Boring No. BRC-SB-27-A



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BMI Site - Hydrogeologic Characterization Basic Remediation Log of Boring No. BRC-SB-27-A Henderson, Nevada Sample Recovery (feet) Sample Retained for Analysis Depth Elevation (MSLD) Sample Interval Sample Type Lithology **Well Construction Soil Description** trace clay. Approximately 10% fine sand, 85% silt and 5% clay. 0.1 Silt, light brown (7.5YR 6/4), very stiff, moist, fine sand, trace clay, weak induration, no odor, nonplastic to low plasticity. Approximately 10% fine sand, 80% silt and 10% clay. Cement Bentonite Grout 0.1 0.1 -400

Project No. 3850360 Log of Boring: BRC-SB-27-A



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