

Log of Boring No. BRC-SB-25-A

BMI Site - Hydrogeologic Characterization

Henderson, Nevada



Drilling Method: Hollow Stem Auger
Drilling Equipment: CME-95/Hollow Stem Auger
Drilling Contractor: Water Development Corporation
Driller: George Guzman

Borehole Total Depth: 60 ft bgs
Borehole Diameter: 11 in
Boring Location: Location 25
Depth to Water (ft. bgs): NA

Sample Type: Cuttings grab
Sample Interval: Varied

Logged By: Jennifer Wiley
Date Started: 4/2/04
Date Completed: 4/2/04

Monitoring Well Construction

Type of Surface Seal:	N/A	Screen Slot Size:	N/A
Blank Casing Type/Size:	N/A	Top of Screen (ft. bgs):	N/A
Screen Type/Size:	N/A	Bottom of Screen (ft. bgs):	N/A
Transition Sand Type:	N/A	Type of Sand Pack:	N/A

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

0							SP: Poorly graded sand with gravel, yellowish brown (10YR5/4), dry, subangular to subrounded sand, subangular to subrounded volcanic gravel (up to 2.5" long), noncemented, no odor. Approximately 30% gravel, 10% coarse sand, 30% medium sand and 30% fine sand.	
							Hand auger borehole to 2.5' bgs - refusal. Ream to 11" OD with posthole digger.	
	Grab		0.5/0.5		1.1			Cement Backfill
-10								
	Grab		0.5/0.5		1.8		Poorly graded sand, yellowish brown (10YR5/4), dry, subangular to rounded sand, subangular to subrounded volcanic gravel (up to 1.5" long), noncemented, no odor. Approximately 10% gravel, 5% coarse sand, 15% medium sand, 70% fine sand and trace silt.	
	Grab		0.5/0.5		2.2		Poorly graded sand with gravel, yellowish brown (10YR5/4), dry, angular to subrounded sand, subangular to subrounded volcanic gravel (up to 2.5" long), noncemented, no odor. Approximately 40% gravel, 10% coarse sand, 20% medium sand, 30% fine sand and trace silt.	
-20								
	Grab		0.5/0.5		2.4		Poorly graded sand with gravel, yellowish brown (10YR5/4), dry, subangular to subrounded sand, subangular to subrounded volcanic gravel (up to 2.5" long), noncemented, no odor. Approximately 40% gravel, 10% coarse sand, 20% medium sand, 30% fine sand and trace silt.	
							Rig chatter.	
	Grab		0.5/0.5		1.8		Poorly graded sand with gravel, brown (10YR4/3), moist, subangular to subrounded sand, subangular to subrounded volcanic gravel (up to 2" long), noncemented, no odor. Approximately	

Project No. 3850360

Log of Boring: BRC-SB-25-A



BMI Site - Hydrogeologic Characterization

Henderson, Nevada



Log of Boring No. BRC-SB-25-A

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
-30	Grab	0.5/0.5	0.6			30% gravel, 10% coarse sand, 20% medium sand, 30% fine sand and trace silt.		
	Grab	0.5/0.5	0.5			Poorly graded sand with gravel, yellowish brown (10YR5/4), moist, subangular to rounded sand, subangular to subrounded volcanic gravel (up to 2.5" long), noncemented, no odor. Approximately 20% gravel, 5% coarse sand, 20% medium sand, 55% fine sand and trace silt.		
	Grab	0.5/0.5	0.4			GP: Poorly graded gravel, dark yellowish brown (10YR4/4), moist, subangular to subrounded sand, angular to subrounded volcanic gravel (up to 3" long), noncemented, no odor. Approximately 90% gravel, trace coarse sand, trace medium sand and 10% fine sand.		
	Grab	0.5/0.5	0.3			Poorly graded gravel with sand, dark yellowish brown (10YR4/4), moist, subangular to subrounded sand, angular to subrounded volcanic gravel (up to 1.5" long), noncemented, no odor. Approximately 60% gravel, 20% coarse sand, 10% medium sand and 10% fine sand.		
-50	Grab	0.5/0.5	0.7			GW: Well graded gravel with sand, brown (10YR4/3), moist, subangular to rounded sand, angular to subrounded gravel (up to 3" long), noncemented, no odor. Approximately 85% gravel, 10% coarse sand, 5% medium sand, and trace fine sand.		
	Grab	0.5/0.5	1.2			CH: Clay, light yellowish brown (2.5Y6/3), moist, very soft, noncemented, no odor, high plasticity. Approximately trace medium sand 10% fine sand and 90% clay.		
						Clay, light yellowish brown (2.5Y6/3), moist, very soft, noncemented, no odor, high plasticity. Approximately trace medium sand, 10% fine sand, 90% clay.		
						Hard drilling 58' - 60'		
						CAICHE: Caliche, white (10YR8/1), crystalline in areas, hard (used pickaxe to chip off pieces).		
-60	Grab	0.5/0.5	NA					

Project No. 3850360

Log of Boring: BRC-SB-25-A

