

SB-11

5093-12-01 Sample Street Business Complex 3702 West Sample Street South Bend, IN

Drilling Contractor Enviro-Dynamics	Drill Rig Geoprobe 6610DT
Driller Mark Montalvo License 1845WD	Ground Elevation Feet
Geologist J. Barnhart, L.P.G.	Static Water Level 8 Feet
Date Drilled 4/11/2013	Total Depth of borehole 60 Feet
Boring Diameter 2 Inches	Boring Method Direct-Push

Graphic Log	Description	Depth	Sample	Recovery (feet)	Blow Count	PID (ppm)	Completion
	Sand, silty, dark yellow-brown, 10YR 4/4, high organic content	0				0.0	
	Clay, silty, very dark yellow-brown, 10YR 3/4	2.6		2.6		0.0	
	Fine to medium sand, yellow-brown, 10YR 6/4	5		2.4		0.0	
	Fine to medium sand, yellow-brown, 10YR 5/4, moist	10		3.1		0.0	
	Fine to medium sand, brown, 10YR 5/3	15		3.1		0.0	
	Medium to coarse sand and fine gravel, brown, 10YR 5/3	20		4.5		0.0	
	Fine to medium sand, light gray, 10YR 6/1	25		3.5		0.0	
	Medium sand to fine gravel, some pebbles, 10YR 6/1	30		3.5		0.0	
	Fine to medium sand and fine to medium gravel, light gray, 10 YR 6/1	35		3.8		0.0	
	Medium to coarse sand, gray, 10YR 6/1	40		2.5		0.0	
	Medium to coarse sand & fine gravel, gray, 10YR 5/1	45		4.0		0.0	
	Switched to 5-ft cores Medium to coarse sand, gray-brown to yellow-brown, 10YR 5/2 to 10YR 5/4	50		5.0		0.0	
	Medium sand, yellow-brown, 10YR 5/6	55		5.0		0.0	
	Silt, hard, yellow-brown 10YR 5/6	60				0.0	

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SB-12

5093-12-01 Sample Street Business Complex 3702 West Sample Street South Bend, IN

Drilling Contractor Enviro-Dynamics	Drill Rig Geoprobe 6610DT
Driller Rob Mores License 1845WD	Ground Elevation Feet
Geologist J. Barnhart, L.P.G.	Static Water Level 8 Feet
Date Drilled 4/11/2013	Total Depth of borehole 60 Feet
Boring Diameter 2 Inches	Boring Method Direct-Push

Graphic Log	Description	Depth	Sample	Recovery (feet)	Blow Count	PID (ppm)	Completion
[Concrete pattern]	Concrete						
[Sand pattern]	Fine to medium sand, light yellow-brown			2.3		0.0	
[Sand pattern]	Fine to medium sand, light yellow-brown, 10YR 6/4, moist	5		2.7		0.0	
[Sand pattern]	Fine to medium sand, yellow-brown, 10YR 5/4			4.0		0.0	
[Sand pattern]	Fine to medium sand, yellow-brown, 10YR 5/3	10		4.0		0.0	
[Sand pattern]	Medium to coarse sand, yellow-brown, 10YR 5/3			4.0		0.0	
[Sand pattern]	Fine to medium sand, some pebbles, yellow-brown, 10YR 5/3			4.0		0.0	
[Sand pattern]	Medium to coarse sand, yellow-brown, 10YR 5/4, very moist	15		2.3		0.0	
[Sand pattern]	Medium to coarse sand & fine gravel, gray, 10YR 5/1, loose, wet	20		0.0		0.0	
[Sand pattern]	Medium sand, gray-brown, 10YR 5/2	25		0.0		0.0	
[Sand pattern]	-Heaving sand			0.0		0.0	
[Sand pattern]	Medium to coarse sand & fine to medium gravel, brown, 10YR 5/2	30		4.6		0.0	
[Sand pattern]	Medium to coarse sand, yellow-brown, 10YR 5/4, wet			0.0		0.0	
[Sand pattern]	Coarse sand to fine gravel, gray, 10YR 6/1	35		0.0		0.0	
[Sand pattern]	Medium to coarse sand, yellow-brown, 10YR 5/3	40		0.0		0.0	
[Sand pattern]	Medium to coarse sand, yellow-brown, 10YR 5/3	45		0.0		0.0	
[Sand pattern]	Medium to coarse sand, yellow-brown, 10YR 4/3	50		0.0		0.0	
[Sand pattern]	Medium to coarse sand, yellow-brown, 10YR 5/3			0.0		0.0	
[Sand pattern]	Coarse sand to medium gravel, brown, 10YR 5/3	55		0.0		0.0	
[Sand pattern]	Silt with fine gravel, very hard, brown gray, 10YR 5/2	60		0.0		0.0	


















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SB-13

5093-12-01 Sample Street Business Complex 3702 West Sample Street South Bend, IN

Drilling Contractor Enviro-Dynamics	Drill Rig Geoprobe 6600
Driller Rob Mores License 1845WD	Ground Elevation Feet
Geologist J. Barnhart, L.P.G.	Static Water Level 8 Feet
Date Drilled 4/11/2013	Total Depth of borehole 60 Feet
Boring Diameter 2 Inches	Boring Method Direct-Push

Graphic Log	Description	Depth	Sample	Recovery (feet)	Blow Count	PID (ppm)	Completion
	Asphalt						
	Sand & silt, heavily stained, black, no odor			2.1		0.5	
	Fine to medium sand, yellow-brown, 10YR 6/4, clean, moist wet @ ~8-ft	5		2.2		0.0	
		10		2.9		0.0	
	Fine to medium sand & some fine gravel, yellow-brown, 10YR 6/4	15		4.0		0.0	
	Medium sand, light yellow-brown to brown, 10YR 6/4 - 10YR 5/3	20				0.0	
	Medium sand & fine to medium gravel, thin stringer of silt @ 25-ft -Heaving sand	25				0.0	
	Coarse gravel, brown, 10YR 5/3 -Heaving sand	30				0.0	
	Fine gravel & coarse sand, brown, 10YR 5/3 -Heaving sand	35				0.0	
	Medium sand, gray brown, 10YR 6/2 Drilling stopped @ 35-ft 4/11/13. Resumed drilling 4/12/13	40		5.0		0.0	
	Medium sand to fine gravel, brown-gray, 10YR 6/2	45		5.0		0.0	
	Medium sand to coarse sand, coarsening downwards, brown, 10YR 5/3	50		5.0		0.0	
	Medium to coarse sand, brown, 10YR 5/4	55		3.8		0.0	
	Medium sand to coarse gravel, muddy, brown, 10YR 5/4	60		4.0		0.0	
	Clay, hard, dense, brown, 10YR 5/4					0.0	
	Medium sand to fine gravel, brown, 10YR 5/4					0.0	
	Silt with thin stringers of fine sand, trace clay, very soft, saturated, light brown, 10YR 6/3					0.0	
	Total Depth of boring 60-ft Well completed at 52-ft 5-ft 1-inch pre-pack well screen						











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5093-12-01 Sample Street Business Complex 3702 West Sample Street South Bend, IN

Drilling Contractor Enviro-Dynamics	Drill Rig Geoprobe 6600
Driller Rob Mores License 1845WD	Ground Elevation Feet
Geologist J. Barnhart, L.P.G.	Static Water Level 8 Feet
Date Drilled 4/11/2013	Total Depth of borehole 60 Feet
Boring Diameter 2 Inches	Boring Method Direct-Push

Graphic Log	Description	Depth	Sample	Recovery (feet)	Blow Count	PID (ppm)	Completion
	Asphalt						
	Loam, some gravel, dark brown, 10YR 3/2, moist			1.6		0.0	
	Medium sand, brown, 10YR 4/6, moist	5				0.0	
	Medium sand, light brown, 10YR 6/4, very moist to wet			2.4		0.0	
	Fine to medium sand, light brown, 10YR 6/4	10				0.0	
				3.0		0.0	
	Fine sand, yellow-brown, 10YR 6/4	15				0.0	
	Fine to medium sand, brown-yellow, 10YR 6/6			4.0		0.0	
	Medium to coarse sand, yellow-brown, 10YR 6/4	20				0.0	
	Fine to medium sand, some pebbles, yellow-brown, 10YR 6/4			4.0		0.0	
	Medium sand to fine gravel, some pebbles, gray-brown, 10YR 6/2	25				0.0	
				5.0		0.0	
	Medium to coarse sand, some pebbles, light brown, 10YR 6/3	30				0.0	
	Medium to coarse sand, yellow-brown, 10YR 5/4			5.0		0.0	
	Medium sand, uniform, yellow-brown, 10YR 5/4	35				0.0	
				5.0		0.0	
	Coarse sand, yellow-brown, 10YR 5/4	40				0.0	
	Fine to medium gravel, some coarse gravel, slightly muddy			4.0		0.0	
	Silt, hard, light brown, 10YR 6/2	45				0.0	
	Medium sand, yellow-brown, 10YR 5/4			5.0		0.0	
	Total Depth of boring 50-ft	50					
	Well completed at 47-ft						
	5-ft 1-inch pre-pack screen	55					
		60					

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