



Sub-Surface Log

Test Hole TH15-01

1 of 1

Client: Sison Blackburn Consulting **Project Number:** 0157-003-00
Project Name: Pan Am Pool Parking Lot **Location:** UTM N-5524029, E-631301
Contractor: TREK Geotechnical Inc. **Ground Elevation:** Existing Ground
Method: 50 mm Hand Auger **Date Drilled:** November 18, 2015

Sample Type: Grab (G) Shelby Tube (T) Split Spoon (SS) Split Barrel (SB) Core (C)

Particle Size Legend: Fines Clay Silt Sand Gravel Cobbles Boulders

Depth (m)	Soil Symbol	MATERIAL DESCRIPTION	Sample Type	Sample Number	Bulk Unit Wt (kN/m ³)						Undrained Shear Strength (kPa)					
					16	17	18	19	20	21	Test Type					
					Particle Size (%)											
					0	20	40	60	80	100						
					0	20	40	60	80	100	0	50	100	150	200	250
		ASPHALT (135mm)		G01												
		SAND AND Gravel (FILL) - trace clay, some silt, <20mm dia. limestone - brown - moist, compact - well graded, angular - <50mm dia. limestone below 0.3m														
0.5		- trace silt, <100mm dia. limestone below 0.53m														

END OF HOLE AT 0.7M IN SAND AND GRAVEL (FILL)

Notes:

- 1) No sloughing or seepage.
- 2) Test hole open to 0.7m upon completion.
- 3) Test hole backfilled with auger cuttings.
- 4) Asphalt core (G01) placed back in the top of hole.

SUB-SURFACE LOG LOGS 2015-11-23 PAN AM POOL 0157-003-00 REVA_DW.GPJ TREK GEOTECHNICAL_GDT_12/3/15

Logged By: Daniel Wiebe **Reviewed By:** Nelson Ferreira **Project Engineer:** Nelson Ferreira



Sub-Surface Log

Test Hole TH15-02

1 of 1

Client: Sison Blackburn Consulting Project Number: 0157-003-00
 Project Name: Pan Am Pool Parking Lot Location: UTM N-5524062, E-631283
 Contractor: TREK Geotechnical Inc. Ground Elevation: Existing Ground
 Method: 50 mm Hand Auger Date Drilled: November 18, 2015

Sample Type: Grab (G) Shelby Tube (T) Split Spoon (SS) Split Barrel (SB) Core (C)

Particle Size Legend: Fines Clay Silt Sand Gravel Cobbles Boulders

Depth (m)	Soil Symbol	MATERIAL DESCRIPTION	Sample Type	Sample Number	Bulk Unit Wt (kN/m ³)						Undrained Shear Strength (kPa)					
					16	17	18	19	20	21	Test Type					
					Particle Size (%)											
					0	20	40	60	80	100						
					PL MC LL											
					0	20	40	60	80	100	0	50	100	150	200	250
		ASHPHALT (150mm)		G02												
		SAND AND Gravel (FILL) - trace clay, some silt, <20mm dia. limestone - brown - moist, compact - well graded, angular - <50mm dia. limestone below 0.25m		G03												
0.5		- trace silt, <100mm dia. limestone below 0.53m														
		ORGANIC CLAY (FILL) - silty, trace sand, trace organics (rootlets) - black, moist - very stiff, high plasticity		G04												
1.0		CLAY AND SILT (FILL) - trace silt inclusions (<15mm dia.), trace sand, trace gravel (<25mm dia.), trace organics ("topsoil" and rootlets), trace oxidation - black, grey, brown, yellow - moist - firm to very stiff - low to high plasticity		G05												
				G06												
1.5				G07												
				G08												
2.0		- trace precipitate at 2.1m		G09												

END OF HOLE AT 2.1M IN CLAY (FILL)

Notes:

- 1) Sloughing between 0.2m and 0.8m.
- 2) No seepage.
- 3) Test hole open to 2.1m upon completion.
- 4) Test hole backfilled with auger cuttings.
- 5) Top 150mm of test hole filled with cold patch.

Logged By: Daniel Wiebe Reviewed By: Nelson Ferreira Project Engineer: Nelson Ferreira

SUB-SURFACE LOG LOGS 2015-11-23 PAN AM POOL 0157-003-00 REVA_DW.GPJ TREK GEOTECHNICAL.GDT 12/3/15



Sub-Surface Log

Test Hole TH15-03

1 of 1

Client: Sison Blackburn Consulting Project Number: 0157-003-00
 Project Name: Pan Am Pool Parking Lot Location: UTM N-5524039, E-613105
 Contractor: TREK Geotechnical Inc. Ground Elevation: Existing Ground
 Method: 50 mm Hand Auger Date Drilled: November 18, 2015

Sample Type: Grab (G) Shelby Tube (T) Split Spoon (SS) Split Barrel (SB) Core (C)

Particle Size Legend: Fines Clay Silt Sand Gravel Cobbles Boulders

Depth (m)	Soil Symbol	MATERIAL DESCRIPTION	Sample Type	Sample Number	Bulk Unit Wt (kN/m ³)						Undrained Shear Strength (kPa)					
					16	17	18	19	20	21	Test Type					
					Particle Size (%)											
					0	20	40	60	80	100						
					PL MC LL											
					0	20	40	60	80	100	0	50	100	150	200	250
		ORGANIC CLAY (FILL) - silty, some sand, trace organics (roots), "topsoil" - black - moist, very stiff - high plasticity	<input checked="" type="checkbox"/>	G10												
		SAND (FILL) - some clay, trace gravel (<10mm dia.), trace roots, brown, moist, well graded, loose	<input checked="" type="checkbox"/>	G11												
-0.5		ORGANIC CLAY (FILL) - silty, trace silt inclusions (<20mm dia.), trace sand, trace gravel (<10mm dia.), trace organics (roots), trace oxidation - black - moist, very stiff - high plasticity	<input checked="" type="checkbox"/>	G12												
-1.0		CLAY AND SILT (FILL) - trace silt inclusions (<20mm dia.), trace sand, trace gravel (<20mm dia.), trace organics ("topsoil" and rootlets), trace oxidation - grey, brown, yellow - moist to wet - very soft to stiff - low to high plasticity	<input checked="" type="checkbox"/>	G13												
			<input checked="" type="checkbox"/>	G14												
			<input checked="" type="checkbox"/>	G15												
			<input checked="" type="checkbox"/>	G16												
-2.0			<input checked="" type="checkbox"/>	G17												

END OF HOLE AT 2.1M IN CLAY (FILL)

Notes:

- 1) No sloughing or seepage.
- 2) Test hole open to 2.1m upon completion.
- 3) Test hole backfilled with auger cuttings.

Logged By: Daniel Wiebe Reviewed By: Nelson Ferreira Project Engineer: Nelson Ferreira

SUB-SURFACE LOG LOGS 2015-11-23 PAN AM POOL 0157-003-00 REVA_DW.GPJ TREK GEOTECHNICAL_GDT_12/3/15



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**Moisture Content Report
 ASTM D2216-98**

Project No. 0157-003-00
Client Sison Blackburn Consulting
Project Pan Am Pool Parking Lot

Sample Date 18-Nov-15
Test Date 18-Nov-15
Technician Daniel Wiebe

Test Pit	TH15-02	TH15-02	TH15-02	TH15-02	TH15-02	TH15-02
Depth (m)	0.2 - 0.3	0.8 - 0.9	0.9 - 1.1	1.2 - 1.4	1.7 - 1.8	1.9 - 2.0
Sample #	G03	G04	G05	G06	G07	G08
Tare ID	E92	C20	E85	Z113	N88	Z91
Mass of tare	8.4	8.4	8.6	8.5	9	8.6
Mass wet + tare	400.6	356.4	352.4	360.2	429.6	365.0
Mass dry + tare	383.9	276.7	283.0	275.6	316.9	262.7
Mass water	16.7	79.7	69.4	84.6	112.7	102.3
Mass dry soil	375.5	268.3	274.4	267.1	307.9	254.1
Moisture %	4.4%	29.7%	25.3%	31.7%	36.6%	40.3%

Test Pit	TH15-02	TH15-03	TH15-03	TH15-03	TH15-03	TH15-03
Depth (m)	2.0 - 2.1	0.0 - 0.1	0.2 - 0.3	0.5 - 0.6	0.8 - 1.0	1.1 - 1.2
Sample #	G09	G10	G11	G12	G13	G14
Tare ID	A36	P33	Z27	N115	Z115	Z15
Mass of tare	8.3	8.7	8.6	8.6	8.4	8.7
Mass wet + tare	355.8	374.9	358.8	395.3	397.6	378.7
Mass dry + tare	253.8	289.6	311.7	306.7	312.4	294.5
Mass water	102.0	85.3	47.1	88.6	85.2	84.2
Mass dry soil	245.5	280.9	303.1	298.1	304.0	285.8
Moisture %	41.5%	30.4%	15.5%	29.7%	28.0%	29.5%

Test Pit	TH15-03	TH15-03	TH15-03			
Depth (m)	1.4 - 1.5	1.6 - 1.8	2.0 - 2.1			
Sample #	G15	G16	G17			
Tare ID	E52	F126	F86			
Mass of tare	8.6	8.4	8.8			
Mass wet + tare	396.1	355.8	442.8			
Mass dry + tare	302.2	250.5	309.7			
Mass water	93.9	105.3	133.1			
Mass dry soil	293.6	242.1	300.9			
Moisture %	32.0%	43.5%	44.2%			