

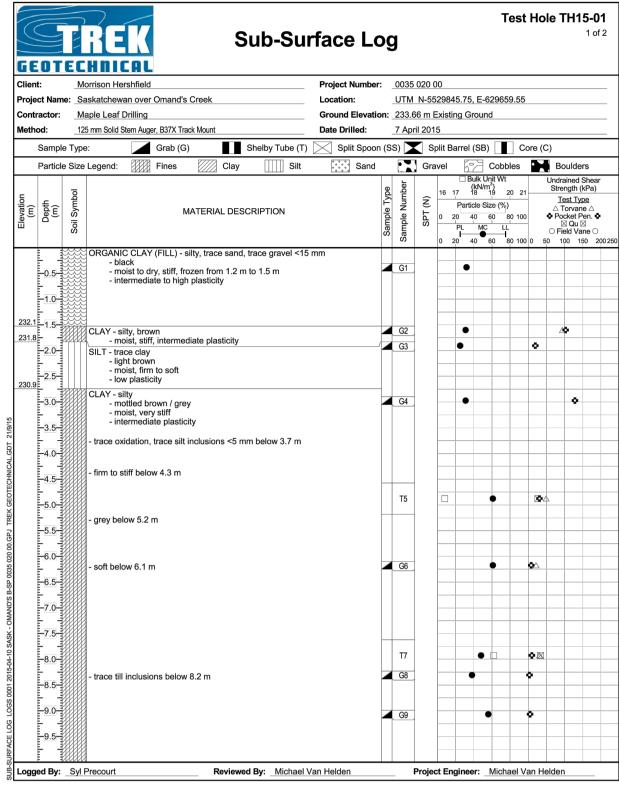
TREK			EXPLANATION OF FIELD AND LABORATORY TESTING	
LEGEND OF ABBREVIATIONS AND SYMBOLS				
LL - Liquid Limit (%) PL - Plastic Limit (%) PI - Plasticity Index (%) MC - Moisture Content (%)			 ✓ Water Level at Time of Drilling ✓ Water Level at End of Drilling ✓ Water Level After Drilling as 	
SPT -Standard Penetration TestRQD-Rock Quality DesignationQu-Unconfined CompressionSu-Undrained Shear StrengthVW-Vibrating Wire PiezometerSI-Slope Inclinometer		y Designation Compression Shear Strength ire Piezometer	Indicated on Test Hole Logs	
FRACTION OF SECONDARY SOIL CONSTITUENTS ARE BASED ON THE FOLLOWING TERMINOLOGY				
	TERM	EXAMPLES	PERCENTAGE	
	and	and CLAY	35 to 50 percent	
	"y" or "ey"	clayey, silty	20 to 35 percent	
	some	some silt	10 to 20 percent	
	trace	trace gravel	1 to 10 percent	
TERMS DESCRIBING CONSISTENCY OR COMPACTION CONDITION The Standard Penetration Test blow count (N) of a non-cohesive soil can be related to compactness condition as follows:				
	De	<u>escriptive Terms</u>	<u>SPT (N) (Blows/300 mm)</u>	
		Very loose Loose Compact Dense Very dense	< 4 4 to 10 10 to 30 30 to 50 > 50	
The Standard Penetration Test blow count (N) of a cohesive soil can be related to its consistency as follows:				
	De	escriptive Terms	<u>SPT (N) (Blows/300 mm)</u>	
		Very soft Soft Firm Stiff Very stiff Hard	< 2 2 to 4 4 to 8 8 to 15 15 to 30 > 30	
The undrained shear strength (Su) of a cohesive soil can be related to its consistency as follows:				
	De	escriptive Terms Very soft Soft	Undrained Shear <u>Strength (kPa)</u> < 12 12 to 25 25 to 50	
		Firm Stiff Very stiff Hard	25 to 50 50 to 100 100 to 200 > 200	

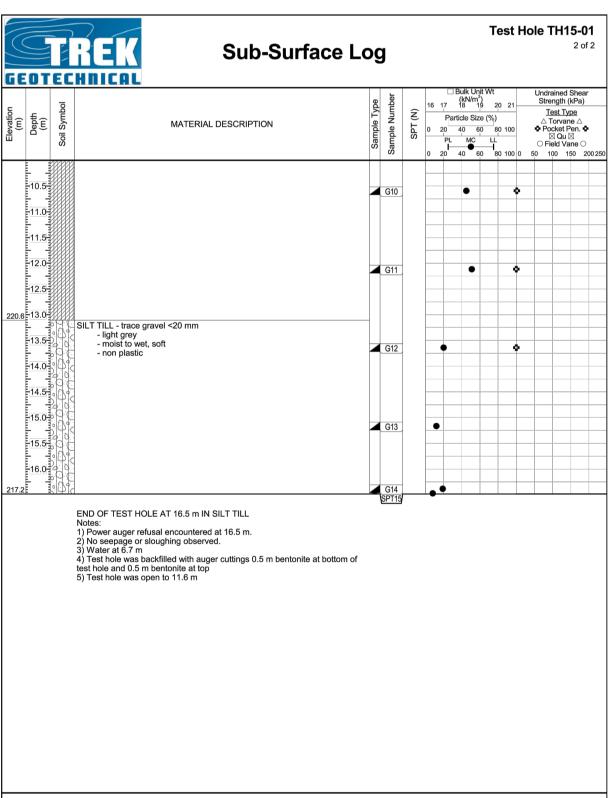
BOREHOLE LOG NOTES:

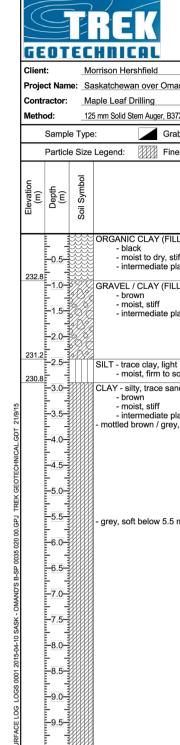
- REFER TO THE GEOTECHNICAL REPORT PREPARED BY TREK GEOTECHNICAL TITLED "SASKATCHEWAN AVENUE BRIDGE OVER OMAND'S CREEK CULVERT REPLACEMENT GEOTECHNICAL INVESTIGATION" DATED SEPTEMBER 23, 2015 FOR BOREHOLE CONTEXT AND INTERPRETATION.
- REFER TO SHEET 03 FOR LOCATIONS OF BOREHOLES TH15-01 & TH15-02 IN PLAN VIEW. ADDITIONAL HISTORIC BOREHOLE LOGS PROXIMATE TO THE BRIDGE SITE ARE DOCUMENTED IN THE GEOTECHNICAL REPORT.

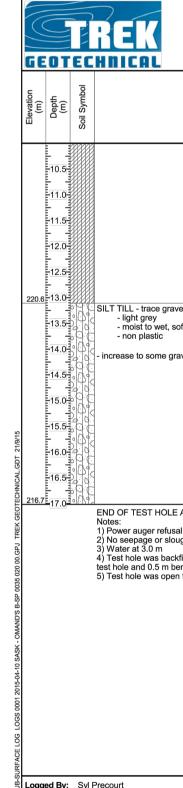


METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES









Meter 12 mm Red Ream Aper, RDX Trank Mart Data Definitie 7 April 2015 Sample Type: Grads (1) Sample Type: Grads (2) Sample Type	
Note: Nate: Nate: <th< td=""><td></td></th<>	
Image: construction of the construc	
232.1 1.5 CLAY - silty. brown 62 23.8 - moist, stiff, intermediate plasticity 63 2.0- IILT - trace clay 63 - illythrown 63 - solidy. film to soft 63 - illythrown 63 - omoist, stiff 61 - illythrown 63 - illythrown 61 - omoist, film to soft 63 - omoist, film to soft 61 - omoist, film to soft 61 - omoist, film to soft 61 - omoist, film to soft, low plasticity - omoist, low plasticity	
- moist, firm to soft - low plasticity 230.9 - low plasticity - low plasticity - low plasticity - other plasticity - low plasticity - moist, firm to soft, low plasticity	
- moist, stiff - intermediate plasticity	
- trace oxidation, trace silt inclusions <5 mm below 3.7 m	
To To <td< td=""><td></td></td<>	
- soft below 6.1 m - soft be	
7.5- -7.5-	
Auge Builde Project Engineer: Michael Van Helden Michael By: Syl Precourt Reviewed By: Michael Van Helden	
Test Hole TH15-01 Test Hole TH15-02 2 of 2 2 of 2	
$\frac{16}{5} + \frac{17}{5} + \frac{16}{5} $	
$\frac{1}{10.5}$ 1	
12.0 12.0	
- light grey - light grey - light grey - light grey - moist to wet, soft - moist to wet, soft - moist to wet, soft - 14.0 - moist o - moist o - 14.5 - moist o - moist o	
Is of a bit of a	
In 16.01 In 16.01 <td< td=""><td></td></td<>	
2) No seepage or sloughing observed. 3) Water at 6.7 m. 3) Water at 6.7 m. 1) Power auger refusal encountered at 16.7 m. 4) Test hole was open to 10.5 m bentonite at bottom of 2) No seepage or sloughing observed. 5) Test hole was open to 11.6 m 3) Water at 3.0 m 6) Test hole was open to 11.6 m 4) Test hole was open to 11.6 m	
ASK - OMAND'S B-SP 0	
P P	
	PPORTUNITY №. 775-2015
PR. U/G STRUCTURES DATE DATE DATE DATE DATE DATE DATE DATE	
OTE: CATION OF UNDERGROUND STRUCTURES S HOWN ARE BASED ON THE BEST FORMATION AVAILABLE BUT NO JARANTEE IS GIVEN THAT ALL EXISTING ILITIES ARE SHOWN OR THAT THE GIVEN ISTENCE AND EXACT LOCATION OF ALL ISTENCE AND EXACT L	CITY DRAWING NUMBER B144-16-05 SHEET OF 05 18
Initial and show on that the given of that the given of carling are exact. confirmation of all istence and exact location of all revisions are exact. confirmation of all revisions are exact. confirmation of all revisions are exact. confirmation of all revisions of all revisions are exact. confirmation of all revisions arevisions arevision of all revisions are exact. confirmation of all	DRAWING No. REV