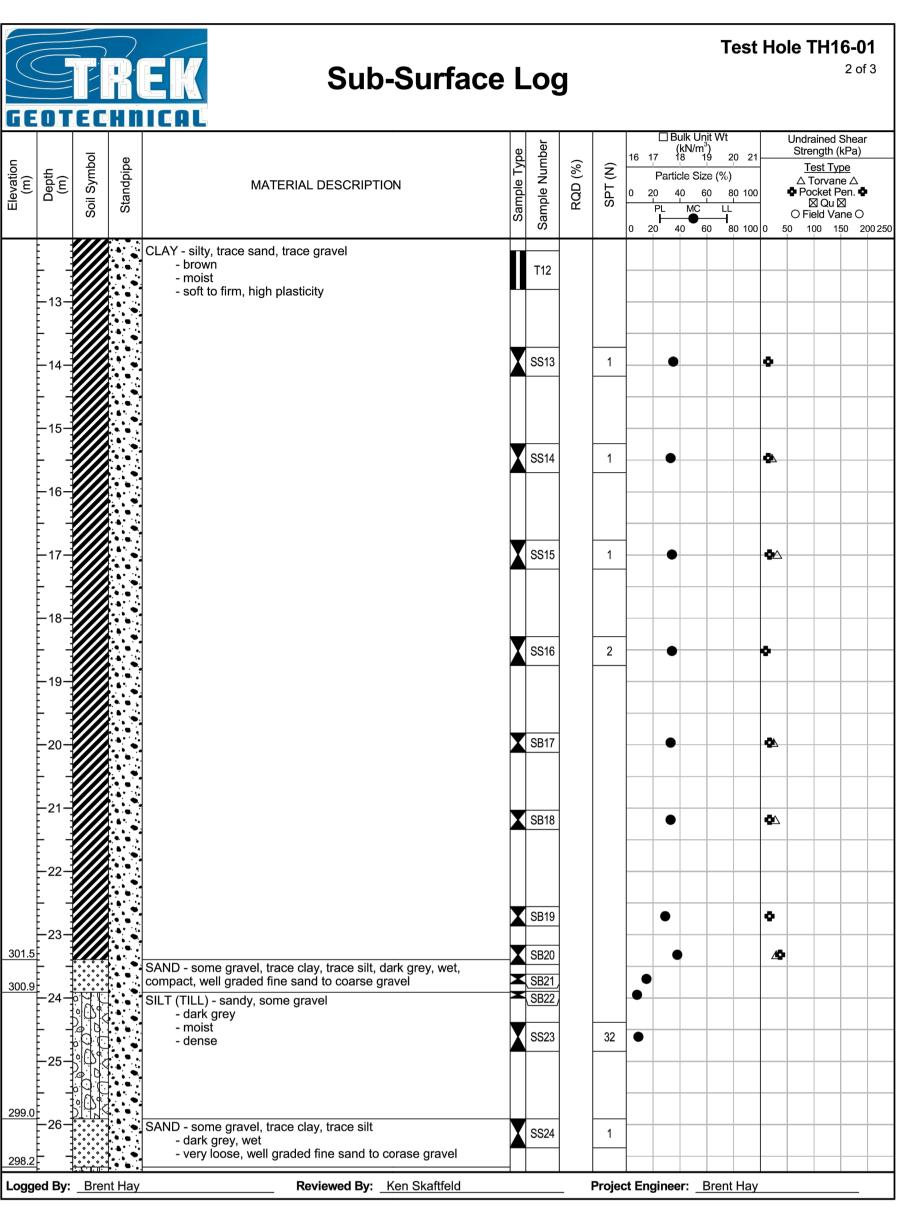
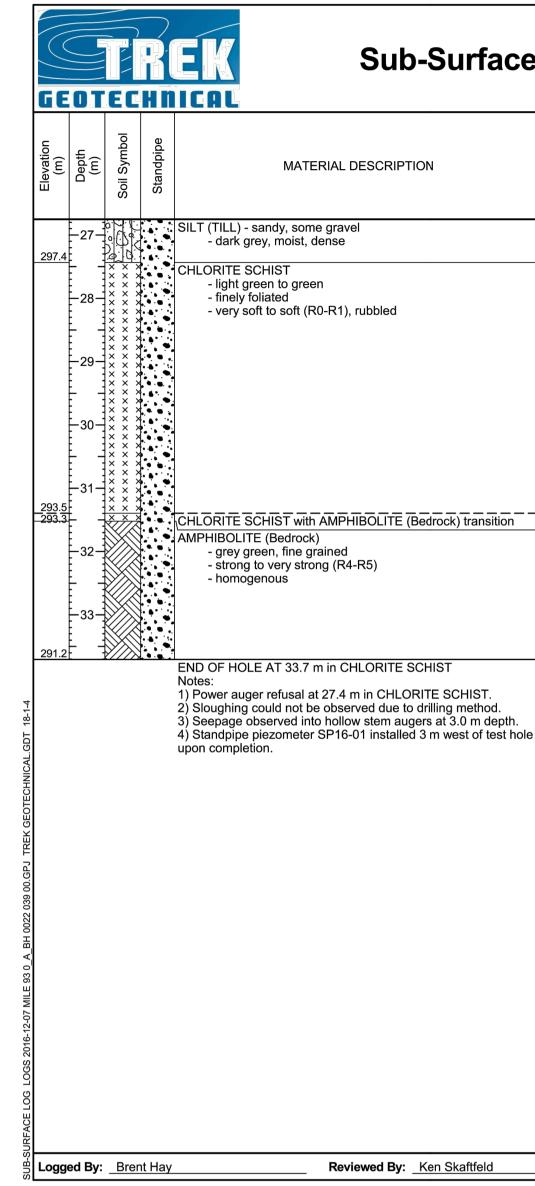


BORE HOLE NO. 1 (1 OF 3) TREK TEST HOLE TH16-01





## BORE HOLE NO. 1 (2 OF 3) TREK TEST HOLE TH16-01

### NOTES:

- ADDITIONAL INFORMATION.
- GOVERNS.
- 3. FOR THE LOCATION OF BORE HOLES IN PLAN SEE SHEET 2.

					DILLON CONSULTING				ENGINEER'S SEAL	Winnipeg THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT							
ŀ					DESIGNED BY	KGW	CHECKED BY	NR/MLB	WILLIS OF CONTROL OF C	SHOAL LAKE AQUEDUCT CRO	DSSING	CITY DRAWING NUMBER 1-0701A-S0001-002					
ŀ					DRAWN BY	RCB	APPROVED BY	GCL		AND ASSOCIATED ROADWO	ORKS	SHEET OF 4 14					
ł					HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION		CONSULTANT PROJECT NUMBER								
	0	ISSUED FOR TENDER	18/01/10	RCB	VERTICAL	AS SHOWN				BORE HOLE DETAILS 2	RE HOLE DETAILS 2 OF 3						
	NO.	REVISIONS	DATE	BY	DATE	2017.12.01	DATE		16-4481			CS - 03					

## Sub-Surface Log

#### Test Hole TH16-01 3 of 3

	e	Sample Number	RQD (%)	SPT (N)	16	17	□ B 7	Bulk L (kN/r 18	Jnit n³) 19		0 21			ained ength	Shear (kPa)	r
	Sample Type				-			icle S	_		- 21			est Ty		
MATERIAL DESCRIPTION					0						0 100			Forvar	ne ∆ Pen. ∎	
		- Jdu			<u> </u>	20	, , PL	40 	60 }		0 100		2	🛛 Qu	$\boxtimes$	
	ျပဳ	San					$\vdash$	40	)	_	0 400				ane O	00.050
andy, some gravel	+				0	20	<u> </u>	40	60	8	0 100	0 :	50 1	00 1	50 2	00 250
ey, moist, dense								-	+						-	
CHIST		SS25		71/												
en to green		0020	-	97mm												
liated		C26						-	+				-	-		
t to soft (R0-R1), rubbled																
	H					_		_								
		C27						-						<u> </u>	<u> </u>	
		021														
		C28a	-					-	-	_				-		
HIST with AMPHIBOLITE (Bedrock) transition	/ /					_		-	_							
(Bedrock)		C28b	83													
en, fine grained o very strong (R4-R5)	H													<u> </u>	1	
nous			100													
		C29				_		-	-				-	-		
													1	1	1	

END OF HOLE AT 33.7 m in CHLORITE SCHIST

Power auger refusal at 27.4 m in CHLORITE SCHIST.
Sloughing could not be observed due to drilling method.

3) Seepage observed into hollow stem augers at 3.0 m depth.

Reviewed By: Ken Skaftfeld

Project Engineer: Brent Hay

# BORE HOLE NO. 1 (3 OF 3) TREK TEST HOLE TH16-01

1. THE TEST HOLE LOGS PROVIDED FOR THIS PROJECT HAVE BEEN COMPILED FOR DESIGN PURPOSES ONLY. WHILE THEY ARE BELIEVED TO CORRECTLY REPRODUCE OR SUMMARIZE OBSERVATIONS DURING TESTING, THE INFORMATION IS VALID ONLY FOR THE PRECISE LOCATIONS SHOWN AND IS NOT TO BE CONSTRUED AS GUARANTEEING THE ACTUAL MATERIALS AND CONDITIONS EXISTING THROUGHOUT THE SITE, THE TESTING METHODS USED MAY NOT HAVE DETERMINED THE PRESENCE, ABSENCE OR EXTENT OF BOULDERS, HARD OR SOFT FORMATIONS, WATER TABLES, ARTESIAN CONDITIONS AND OTHER VARIABLES. IT IS THE RESPONSIBILITY OF OTHERS USING THIS INFORMATION TO ENSURE THAT IT IS ADEQUATE FOR THEIR PURPOSES OR TO SUPPLEMENT IT WITH

2. THIS INFORMATION IS COMPILED FOR CONVENIENCE FROM THE "MILE 93 AQUEDUCT BRIDGE - DETAILED DESIGN GEOTECHNICAL INVESTIGATION REPORT" DATED JANUARY 9, 2018, PROVIDED BY TREK GEOTECHNICAL. ALL DISCLAIMERS IN THIS REPORT ARE APPLICABLE. ADDITIONAL INFORMATION IS AVAILABLE IN THE REPORT AND IN CASE OF DISCREPANCY, THE GEOTECHNICAL REPORT