Appendix B2 Site Investigation Soil Logs

PROJ	PROJECT: North-west Interceptor Sewer					lanitoba Infrastructure and Technology TESTHOLE NO: TH14-01			
LOCA	TION	: MH W11 - NW turning median of Inkster Boulevard & E							
	CONTRACTOR: Subterranean (Manitoba) Ltd. METHOD: Soil Mec STM-20, 720 mm diameter auger ELEVATION (m): 236.22								
SAMF	LE T	YPE ☐ GRAB ☐ SHELBY TUBE	\boxtimes	SPLI	T SPC	OON ■BULK			
DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE#	SPT (N)	PENETRATION TESTS	ELEVATION		
- 0		TOPSOIL					236 -		
- - - -1		CLAY (FILL) - some sand, some gravel - brown and grey, dry to moist, firm - intermediate plasticity					235 -		
-2		- broken pieces of asphalt at 1.4 m CLAY - some silt to silty - brown, moist, firm - high plasticity - trace white silt inclusions (potentially sulphates) below 1.8 m					234 -		
- - -3 -				G01			233 -		
-4 -4 -		- grey, trace till inclusions below 4.0 m					232 -		
- -5 - - - - - -							231 -		
6		SILT - clayey, some sand, some gravel - light grey, moist, loose	-	G02			230 -		
	00000	SILT (TILL) - some sand, some gravel, trace cobbles - tan, dry to moist, compact to dense - boulder (rounded, 300 mm diameter) at 7.9 m		G03			229 -		
- 8 	0000	- boulder (rounded, 300 mm diameter) at 7.9 m - cobble (rounded, 150 mm diameter) at 8.2 m END OF TEST HOLE AT 8.5 m IN SILT (TILL).					228 -		
# 1 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		NOTES: 1. Sloughing not observed during drilling. 2. Seepage not observed during drilling. 3. Test hole open, dry to 8.5 m upon completion. 4. Test hole backfilled with cuttings upon completion.					227 -		
	1	. =		I		LOGGED BY: Aaron Kaluzniak COMPLETION DEPTH: 8.53 m	_		
5	A ECOM					REVIEWED BY: Faris Khalil COMPLETION DATE: 7/22/14			
31						PROJECT ENGINEER: Marv McDonald Page 1	of 1		

	PROJECT: North-west Interceptor Sewer				IT: M	anitoba Infrastructure and Technology TESTHOLE NO: TH14-02				
	LOCATION: MH W8 - Centre median Inkster, 100 m W of Inksbrook						PROJECT NO.: 60223051			
	CONTRACTOR: Subterranean (Manitoba) Ltd. SAMPLE TYPE GRAB SHELBY TUBE				METHOD: Soil Mec STM-20, 720 mm diameter auger ELEVATION (m): 235.91 SPLIT SPOON ■BULK NO RECOVERY ■CORE					
DEPTH (m)	SOIL SYMBOL F	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE#	SPT (N)	DON	ELEVATION			
- 0 - - - - -1		FILL - road gravel and topsoil - black, silty topsoil on south side of hole - yellowish white, processed crushed limestone on north side of hole					235 -			
2 2		CLAY (FILL) - some sand, some gravel - dark grey, moist, firm - intermediate plasticity CLAY - silty, trace sand - brown, moist, firm - high plasticity - mottled brown and grey below 2.4 m					234 –			
-3							233 -			
-4 - - - - - - - - - - - - - - - - - -		- some till inclusions below 4.0 m - trace gravel (subrounded, diameter < 50 mm) below 4.6 m		G04			231 -			
0 - 1 - 1		SILT - clayey, trace sand, trace gravel - grey, moist, loose					230 -			
106 OF 1EST HOLE NW INTERCEPTOR INKS IER IH LOGS.GFU UMA WINN.GFU 1724714	00000000000000000000000000000000000000	SILT (TILL) - some clay, some sand, some gravel, trace cobbles - tan, dry to moist, compact to dense - grey, no clay below 7.2 m - cobble (rounded, 200 mm diameter) at 7.3 m		G05			229 -			
EPIOKINKSIEKIHL	000000000000000000000000000000000000000			G06			228 -			
9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -		END OF TEST HOLE AT 8.8 m IN SILT (TILL). NOTES: 1. Sloughing observed in fill layer from 0.0 to 1.3 m below ground surface. 2. Seepage not observed during drilling. 3. Test hole open, dry to 8.8 m upon completion. 4. Test hole backfilled with cuttings upon completion.					227 -			
<u> </u>		A=CO44				LOGGED BY: Aaron Kaluzniak COMPLETION DEPTH: 8.84 m				
9	A ECOM					REVIEWED BY: Faris Khalil COMPLETION DATE: 7/22/14 PROJECT ENGINEER: Marv McDonald Page 1	of 1			
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Phone: 204 477 5381 Fax: 204 284 2040

Project Name:	NW Interceptor		
Project Number:	60223051		
Client:	MIT		
Sample Location:	Varies		
Sample Depth:	Varies		
Sample Number:	Varies		

Supplier:	AECOM
Specification:	N/A
Field Technician:	Akaluzniak
Sample Date:	July 22, 2014
Lab Technician:	AKaluzniak
Date Tested:	July 23, 2014

Moisture Content (ASTM D2216-10)

Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass

Location	Sample	Depth (m)	Moisture Content (%)
TH14-01	G01	3.1	37.3
TH14-01	G02	6.7	24.0
TH14-01	G03	7.6	9.9
TH14-02	G03	5.2	27.5
TH14-02	G04	6.7	9.6
TH14-02	G05	7.9	9.0

Location	Sample	Depth (m)	Moisture Content (%)