KGS   GROUP		SUMMARY LOG TH-1					:	SHEE	т 1	of 1
CLIENT		OF WINNIPEG ALL MAINTENANCE PROGRAM		). ND ELEV F PIPE E		05-1	107-1	1		,
SITE	Dowke	er Outfall	WATER							
LOCATION	20 m fr	rom edge of water		RILLED			ct-05			
DRILLING	Hand A	Auger	UTM (N	IAD83)	N E		522,63 3,830			
METHOD			S	AMPLE		C	Cu fro	om Un . Test	ıcon. (kPa	) <
ELEV. (m)	GRAPHICS					C	u To	rvane	(kPa	a) <del>•</del>
LEV EPTI	RAP	DESCRIPTION AND CLASSIFICATION		ER.		F	L -	MC		
	Ö		TYPE	NUMBER			%	- (kPa	a)	
		SILT SEDIMENT - Mottled dark grey and dark brown, with clay, trace leaves.	F	ž	<u> </u>	20	40	6	0	80 kP
		CLAY (CH) - Dark brown, moist, firm, high plasticity, trace gravel (3/4" down), trace sand.	77	1						
1-		- Trace organic matter below 1.07 m.	B	2						
2-		CLAY (CI-CH) - Dark grey, moist, soft, intermediate to high plasticity, trace sand.	\{\} {\{\}}							
				3	L		+1:		ļj.	
GENERAL PAPROJECTS/2008/05/9BED-1/GEO/LOGS/05/111100S/GPJ-17-11100S/GPJ-17-11110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-1110GS/GPJ-17-110GS/		Notes:  1. Test hole walls squeezing in at 1.98 m.  2. Water sample taken from manhole: pH = 7.6 pH units E.C. = 415 uS/cm Temp. = 7.3 Celcius								
SAMPLE TYP		Auger Grab								
SAMPLE TYPE		INSPECTOR								
KGS Gro			PROVE	D _			DAT	E <u>'</u>	6/12/0	)5

	KG: GROU	S JP		SUMMARY LOG HOLE NO. TH-2						SHEI	ET 1	of	1
	CLIENT PROJECT	г (	CITY OF WINNIPEG  OUTFALL MAINTENANCE PROGRAM  Dowker Outfall  JO GR TO				LEV.		<b>107-</b> 1	i <u>1</u>			
	SITE LOCATIO DRILLING METHOD	N N G L		nanhole	DATE	DRILLED NAD83)	N E	5,5	0ct-05 522,6 53,803	528			
		DЕРТН (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	TYPE "	N CMBER		F	Cu To PL	MC • 6 - (kP	Pa)	) L	♦
GENERAL P./PROJECTS/2005/059BED~1/GEO/LOGS/05-107-11 LOGS.GPJ			지 사 가 가 가 가 가 가 가 가 가 가 가 가 가 가 가 가 가 가	TOPSOIL - Black, moist, friable, trace fine grained rounded gravel (well graded), trace pockets of sand, trace rootlets.  CLAY (CH) - Brown, moist, firm, high plasticity, friable, trace oxidation, trace organic matter.  - Trace silt inclusions below 2.44 m.  - Trace sulphate nodules, some oxidation below 2.74 m.  AUGER REFUSAL AT 3.00 m  Notes:  1. Hit 900 mm corrugated metal pipe at 3.00 m.	е	1 2 3					60	80	Pe           Interpretation           Interpretation
\PROJECTS\2	SAMPLE T	YPE		Auger Grab									j
GENERAL P.	CONTRAC KGS C	TOR		INSPECTOR	PROVI	ED			DAT	E	6/12/0	)5	_

LIENT ROJECT ITE OCATION RILLING ETHOD  1- 2-	OUTFAI Kenned	LL MAINTENANCE PROGRAM  by Outfall  DESCRIPTION AND CLASSIFICATION  TOPSOIL - Dry, loose, non-plastic, trace rootlets, trace organic matter.  - Very silty below 1.22 m.  SILTY CLAY (CI-CH) - Dark brown, moist, intermediate to high plasticity, stratified structure, trace silt inclusions.	TOP OF WATER DATE DUTM (N	ND ELEV F PIPE EI R ELEV. DRILLED	LEV. 12- N E	Cu To	om Ui o. Test orvane MC o- (kPa		) L
RILLING ETHOD  (m) (m) 1-	4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4	DESCRIPTION AND CLASSIFICATION  TOPSOIL - Dry, loose, non-plastic, trace rootlets, trace organic matter.  - Very silty below 1.22 m.	DATE E UTM (N	AMPLE  WIND  AMPLE	N E	Cu fr Comp Cu To PL	om Ui o. Test orvane MC	kPa) LL L a)	) L
ELEV. (m) - 5-	## AP	TOPSOIL - Dry, loose, non-plastic, trace rootlets, trace organic matter.  - Very silty below 1.22 m.	TYPE	NUMBER		Cu To	MC MC - (kPa	kPa) LL L a)	) L
2-	## ## ## ## ## ## ## ## ## ## ## ## ##	- Very silty below 1.22 m.							
		SILTY CLAY (CI-CH) - Dark brown, moist, intermediate to high plasticity, stratified structure, trace silt inclusions.		2					-
_ 3-			<u> </u>	3		T			
4-		SILTY CLAY (CI) - Brown, moist, soft, low to intermediate plasticity, friable.	<u></u>	4					
5-		END OF HOLE AT 4.27 m  Notes:  1. Test hole backfilled with auger cuttings to ground surface.	<u> </u>	5					
6-AMPLE TYP		Auger Grab							

GROUP		SUMMARY LOG  HOLE NO.  TH-4					SHEET	! 1 o	of 1
CLIENT	OUTFA	F WINNIPEG ALL MAINTENANCE PROGRAM		ID ELEV. PIPE ELE		-107-	11		
SITE LOCATION DRILLING METHOD		ve Outfall n ø Solid Stem Auger, Bobcat Mounted Drill Rig	DATE D	RILLED AD83) I	12- N ≣	-Oct-	05		
ELEV. (m)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	TYPE	NUMBER BTAWN		Cu T PL I	rom Uno p. Test ( forvane ( MC 	(kPa) LL ——∎	<ul><li>♦</li><li>•</li></ul>
		CLAY FILL (CH) - Brown, moist, firm, high plasticity.			20	4	10 60	) 80	0 kPa
1-		SILT FILL - Black, dry, trace fine grained gravel, trace sand.	<u> </u>	1					
2-		SILTY CLAY (CI) - Brown, moist, soft, low plasticity, stratified, trace medium grained sand, trace rootlets.  SAND - Sand bedding, poorly graded.	图	2					
3-				- - - - - -					
4-		- Wet below 4.11 m.	\{\frac{1}{2}\}	5					
5-		END OF HOLE AT 4.72 m	<u> </u>	6					
6-									
5 - 6 - SAMPLE TYP	E <b>[</b> ]	Auger Grab							
CONTRACTO	R	INSPECTOR	PROVEI	)		DA	ГЕ <u>6</u>	5/12/05	