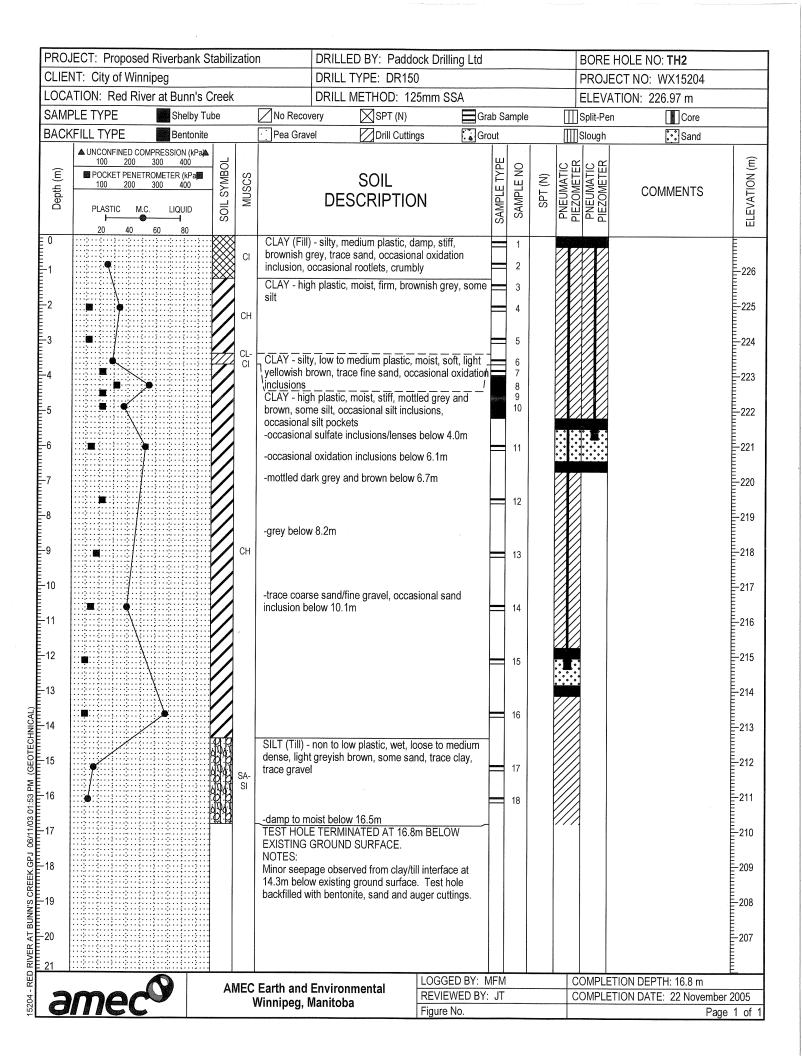
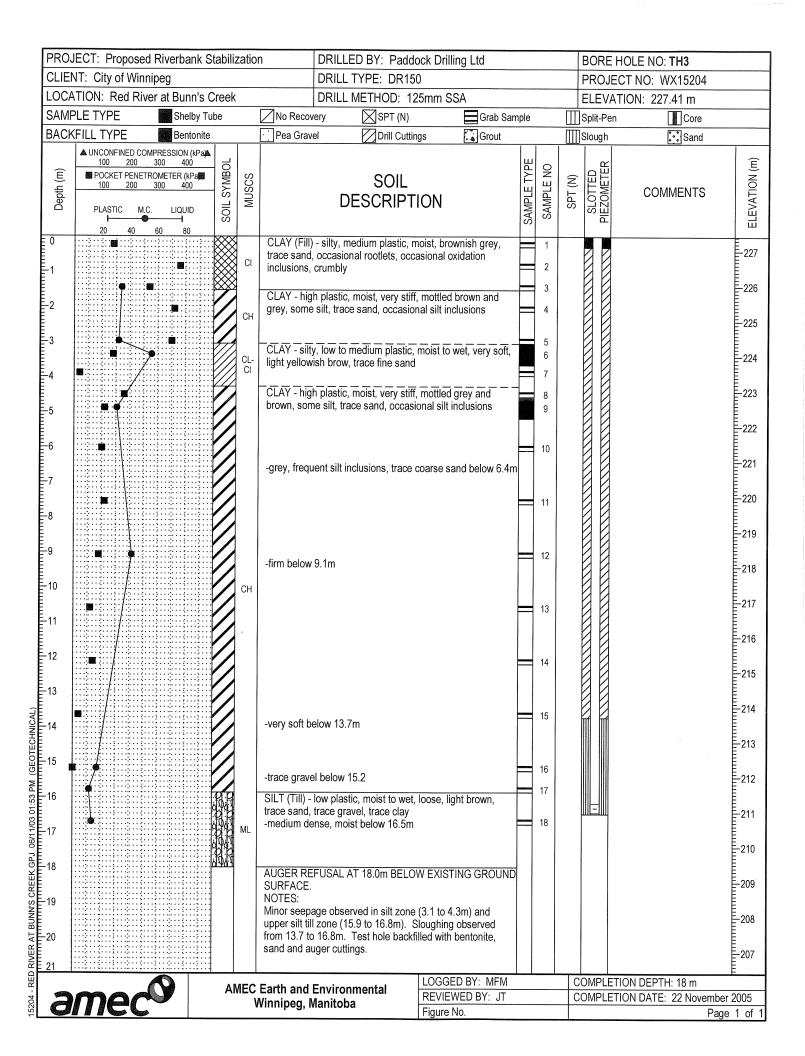
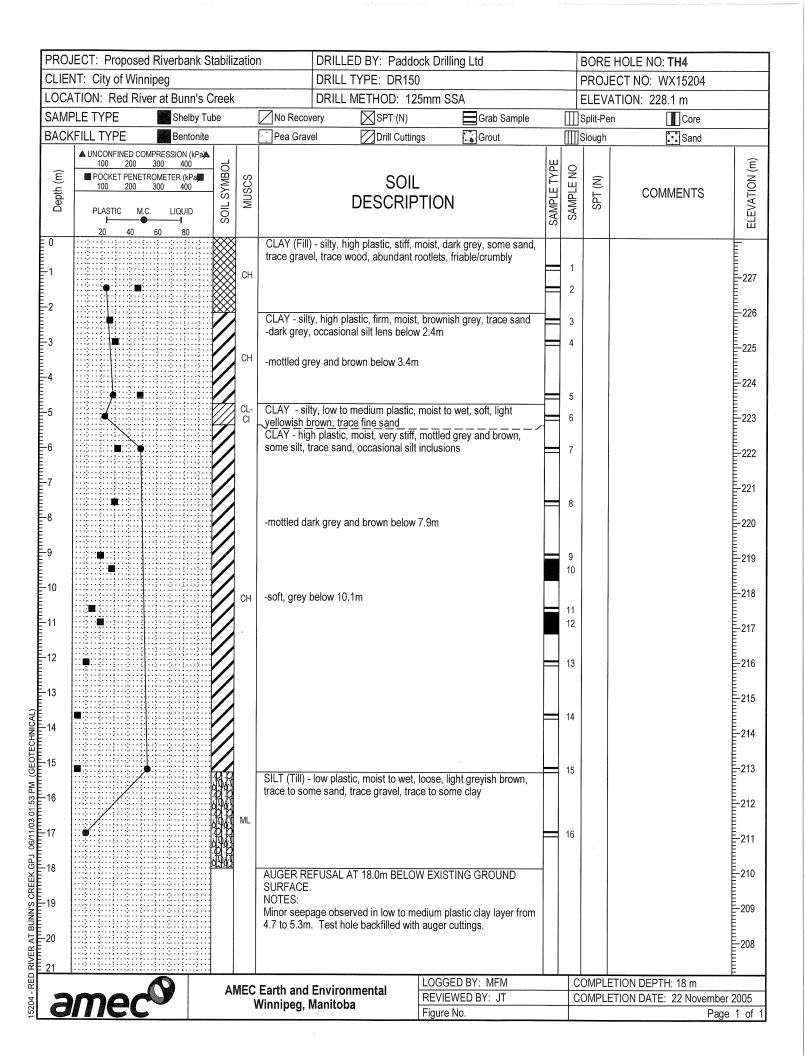
PROJECT: Proposed Riv		DRILLED BY: Paddock Drilling Ltd				BORE	BORE HOLE NO: TH1		
CLIENT: City of Winnipe	DRILL TYPE: DR150				PROJECT NO: WX15204				
LOCATION: Red River a	DRILL METHOD: 125mm SSA				ELEVATION: 227.22 m				
SAMPLE TYPE	Shelby Tube	☑No Recov	ery SPT (N))	Grab Sample		Split-P	en Core	
BACKFILL TYPE	Bentonite	Pea Grave	el Drill Cut	tings	Grout		Slough	Sand	
© UNCONFINED COMPRE 100 200 300 ■ POCKET PENETROME 100 200 300 PLASTIC M.C. 20 40 60	0 400 ⊟ ⊖ S	sand, trace	SO DESCRI - silty, medium plastic, gravel, abundant rootl occasional oxidation in	moist, hard, ets, occasion	al sulfate	SAMPLE TYPE	SAMPLE NO SPT (N)	COMMENTS	<u> </u>
-2 -3 -4 -5 -6 -7 -8	를 성공공성	-gravel fill s CLAY - silty sand, occas - occasiona - mottled gr CLAY - silty lyellowish br CLAY - silty yellowish br CLAY - silty occasional - possible s - occasiona - occasiona - occasiona - mottled grav - silty below - trace grav - stiff, mottle - silty mottle - stiff, mottle - silty below - trace grav - stiff, mottle - casional - silty below - trace grav - stiff, mottle - occasional - silty below - trace grav - stiff, mottle	neam at 0.6m y, high plastic, damp to sional oxidation inclusions below to the plastic, damp to the plastic, damp to the plastic, damp to mois the silt, occasional silt inclusions, occasional silt inclusion, occasional silt inclusion, occasional cickensided surfaces at a silt laminations below I sulphate inclusions, ocark grey and brown below 7.	o moist, hard, ons and rootle 1.5m ons all silt lamina c, moist to we occasional ox ox t, very stiff, modusion c, moist to we diff, mottled gral oxidation in t 3.7 and 3.9m ossible slicked casional rootle ow 7.1m 4m onclusions belowed the control of the control of the control oxidation in the co	prown, trace fine ets tion below 2.1m t, soft to firm, light dation inclusions / ottled grey and / t, soft to firm, light ey and brown, clusions nsided surface at ets below 6.1m	,	3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19		
-10		- grey, occa	silt inclusions below 10 sional sand inclusions sional silt inclusions be	below 10.7m			20 21 22 23 24 25 26		22
14	SASI	SILT (Till) - I some sand, TEST HOLE GROUND S NOTES: No sloughin	loose to medium densisome gravel, trace to set TERMINATED AT 16 BURFACE IN SILT TILL g, minor seepage from mpletion of drilling. Telebentonite.	e, wet, light gr some clay 5.3m BELOW - low to mediu	EXISTING m plastic clay	. 60 - 50 - 5	27 28 29 30 31 31 32		22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
amec	987 I	Earth and E Vinnipeg, W	Environmental Ianitoba	LOGGED REVIEWE Figure No	D BY: JT			ETION DEPTH: 15.7 m ETION DATE: 21 Novemb	er 200 ge 1







PROJ	IECT: Proposed Riverba	ınk Stabiliz	zatio	n DRILLED BY: Maple	DRILLED BY: Maple Leaf Enterprises Ltd.			BORE HOLE NO: TH5		
CLIENT: City of Winnipeg				DRILL TYPE: VL-60			PR	OJECT NO: WX15204		
	TION: Red River at Bur			DRILL METHOD: 20	·			EVATION: 223.5 m		
		lby Tube		No Recovery SPT (N)	Grab Sample		Split			
BACK				Pea Gravel Drill Cuttin	gs Grout	1 1	Slou	gh Sand	<u> </u>	
Depth (m)	UNCONFINED COMPRESSION 100 200 300 40 ■ POCKET PENETROMETER (# 100 200 300 40 PLASTIC M.C. LIQUI 20 40 60 88	TOBWYS LIOS	MUSCS	SOIL DESCRIP	TION	SAMPLE TYPE	SAMPLE NO	COMMENTS	ELEVATION (m)	
- 0 1			CI	CLAY - medium plastic, silty, moist, sand, lightly oxidized - organic layer (approx. 2mm thick) CLAY - silty, high plastic, moist, firm			1 2		-223	
-2				oxidized, occasional silt inclusion			3		222	
- - - - -3				- mottled grey and brown below 2.1r	n		4		E -221	
				- mottled dark grey and brown below	v 3.7m		5		220	
- ' 				- grey, trace gravel below 4.3m - abundant silt inclusions below 4.6n	1		7		219	
6				- no recovery from 5.5m to 8.2m, ad retrieve samples	acent test hole drilled to		8		218	
			CH				15		-217 -	
8							16		= -216 =	
- - - - 9				- occasional silt inclusion below 8.2n - frequent silt inclusion below 8.5m			9		215	
10				- occasional silt inclusion below 9.1n - frequent silt inclusion, frequent silty	sand inclusion below 9.8m		11		214	
-11				- occasional silt inclusion, occasiona 10.1m	I silty sand inclusion below		13		E-213	
12				- 45° slickenside at 11.6m SILT (Till) - low plastic, loose, moist,	light brown, some sand and		14		212	
-13				\gravel, trace clay TEST HOLE TERMINATED AT 12.2m BELOW EXISTING GROUND SURFACE. NOTES: Minor seepage observed from clay till. No sloughing observed. Test hole open to 12.2m with 50mm water at completion of drilling. Test hole backfilled with bentonite and auger cuttings.					E-211	
									E-210	
15					LOGGED BY: MFM		1 CON4	PLETION DEPTH: 12.2 m	209	
	made	Al		Earth and Environmental	Environmental			PLETION DEPTH: 12.2 m PLETION DATE: 14 December	r 2005	
anec Winnipeg,				Vinnipeg, Manitoba	Figure No.			Page 1 of		