



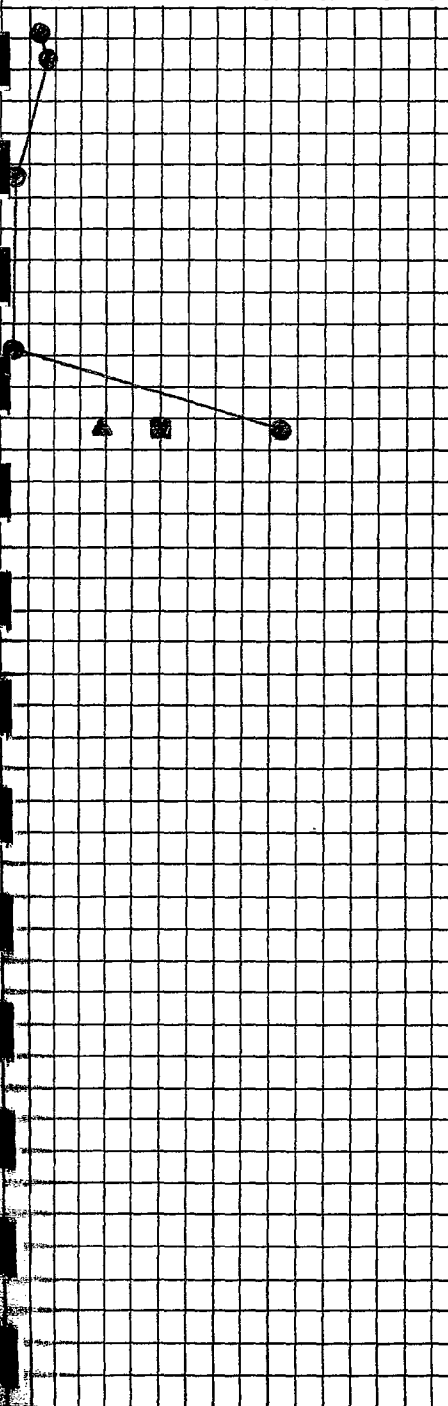
J. R. Paine & Associates Ltd.  
CONSULTING AND TESTING ENGINEERS

TEST HOLE LOG AND LABORATORY TEST DATA

PROJECT Geotechnical Investigation Ross River, Yukon Territory  
Ross River Roads and Sanitary Sewer Dev.

DWN. WCK CKD. W L I C JOB NO. 8002-110 DATE 89/09/23 HOLE NO. 38 PLATE NO. 38

MOISTURE CONTENT ●—●  
LIQUID LIMIT (W.L.) ■—■  
PLASTIC LIMIT (W.P.) ▲—▲  
STANDARD PENETRATION TEST X—X  
MOISTURE CONTENT (%) & STAND. PENETRATION (N)  
10 20 30 40 50 60 70 80



SOIL PROFILE		SAMPLES 230-235				
DEPTH	CLASSIFICATION	SOIL SYMBOL	OTHER TESTS	Unconfined Compressive Strength kPa	SAMPLE COND.	DEPTH SCALE
ELEV. M.	DATUM GROUND SURFACE ELEVATION					
	100mm of organics & ash @top		M=6.2%			
	S#230, 0.15-0.30m, silt, rootlets, Lt. brown		M=8.1%			
	S#231, 0.30-0.60m, silt, some fine sand, brown					1.0
	S#232, 0.90-1.85m sandy gravel, to cobbles in size, brown		M=1.8%			2.0
	S#234, 2.45-3.05m sandy gravel, odd cobble, brown					3.0
	(FROZEN @3.05m)		M=1.6%			
	S#235, 3.20-3.50m clayey silt, frozen Vs, ice lenses to 20mm, grey		M=51.2%			4.0
			WL=30.0%			
			WP=19.6%			5.0
	End of Hole		MA			
	- Proposed lagoon site					
	- stand pipe installed					
	- no free water noted,					
	89/08/26, 89/10/10					
	09					

SOIL TYPES	CONDITION	SAMPLE TYPE	LABORATORY TEST SYMBOLS	PENETRATION RESISTANCE
TOPSOIL PEAT FILL CLAY	UNDISTURBED DISTURBED LOST SAMPLE	U - 76mm SHELBY TUBE D.S. - DRIVE SAMPLE M - MOISTURE CONTENT R.C. - ROCK CORE	Qu - UNCONFINED COMP. STR. kPa d - DRY WEIGHT kg/m³ C - CONSOLIDATION TEST MA - GRAIN SIZE ANALYSIS	(N) - NUMBER OF BLOWS OF A 140 lb. HAMMER DROPPED 30 ins. (FREE FALL) REQUIRED TO DRIVE A 2" O.D. RAYMOND TYPE SAMPLER A DISTANCE OF 12" INTO THE SOIL
SILT SAND TILL BEDROCK				