



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

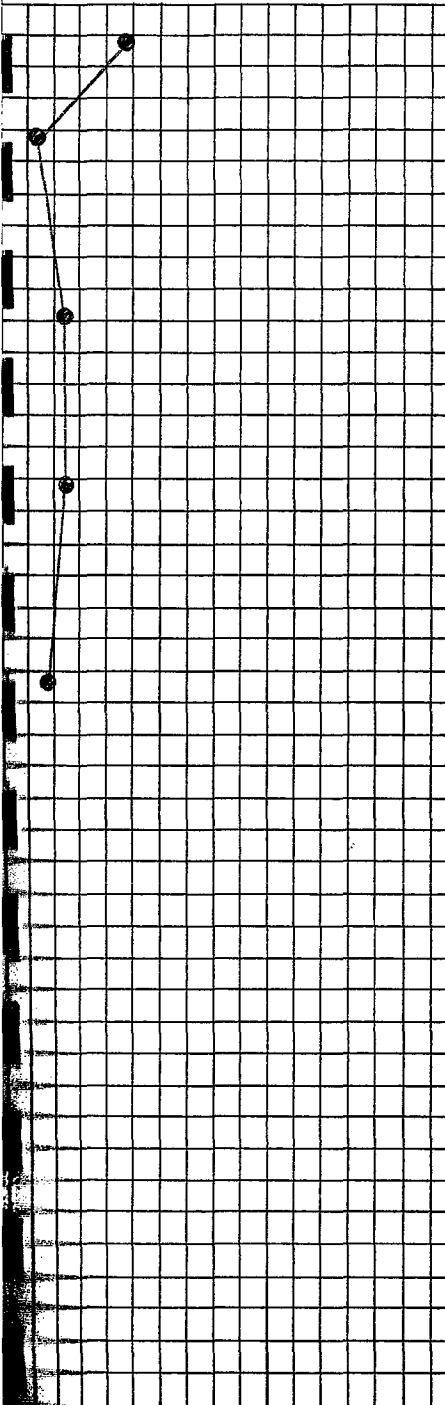
TEST HOLE LOG AND LABORATORY TEST DATA

PROJECT: Geotechnical Investigation Ross River, Yukon Territory
Ross River Roads and Sanitary Sewer Development

DWN. WCK CKD. WCK JOB NO. 8002-110 DATE 89/10/17 HOLE NO. 45 PLATE NO. 45

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 269 to 273

DEPTH	CLASSIFICATION	SOIL SYMBOL	OTHER TESTS	Unconfined Compressive Strength kPa	SAMPLE COND.	TYPE	DEPTH SCALE
	DATUM GROUND SURFACE ELEVATION						
	100mm of organics @ top.		M=24.0%		X		
	S#269, 0.15-0.45m/silt, trace of sand some rootlets, brown. 0.45m						
	S#270, 0.90-1.20m sand, fine to med; trace of silt, trace of gravel, brown. (frozen @ 1.50m)		M=6.2%		X		1.0
	S#271, 2.15-2.75m gravelly sand, some silt, frozen Vx, brown.		M=11.5% MA		X		2.0
	S#272, 3.35-4.25m gravelly sand, trace of silt, frozen Vx, brown.		M=11.9%		X		3.0
	S#273, 4.90-5.80m gravelly sand, med; to coarse sand, frozen Vx, brown.		M=8.9%		X		4.0
	5.80m				X		5.0

End of Hole

-Test Hole located in Wetlands area.

-Stand Pipe installed to 3.65 meters below existing ground surface.

SOIL TYPES	CONDITION	SAMPLE TYPE	LABORATORY TEST SYMBOLS	PENETRATION RESISTANCE
TOPSOIL [Symbol] SILT [Symbol] PEAT [Symbol] SAND [Symbol] FILL [Symbol] TILL [Symbol] CLAY [Symbol] BEDROCK [Symbol]	[Symbol] -UNDISTURBED [Symbol] -DISTURBED [Symbol] -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/m ³ 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.