



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

TEST HOLE LOG AND LABORATORY TEST DATA

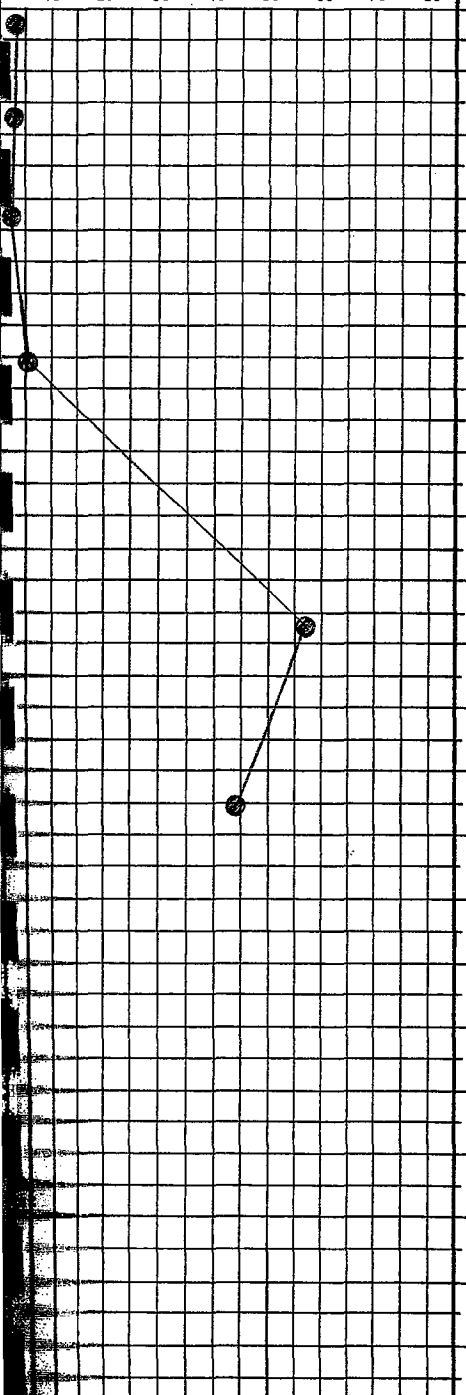
PROJECT Geotechnical Investigation Ross River, Yukon Territory
Ross River Roads and Sanitary Sewer Dev.

DWN. WCK CKD. *wck* JOB NO. 8002-110 DATE 89/09/23 HOLE NO. 40 PLATE NO. 40

MOISTURE CONTENT SOIL PROFILE SAMPLES 243-248
LIQUID LIMIT (W.L.)
PLASTIC LIMIT (W.P.)
STANDARD PENETRATION TEST

DEPTH CLASSIFICATION SOIL SYMBOL OTHER TESTS Unconfined Compressive Strength kPa SAMPLE COND. TYPE DEPTH SCALE
ELEV. M. DATUM GROUND SURFACE ELEVATION

10	20	30	40	50	60	70	80	S#243, 0.00-0.25m, sandy gravel, some silt, brown 0.25m	MA	M=3.6%				
								0.25-0.30m, silt, brown S#244, 0.60-1.20m/sand, fine, trace to some silt, brown. 1.35m		M=2.7%				1.0
								S#245, 1.35-2.00m sandy gravel, odd cobble, brown S#246, 2.30-3.20m sandy gravel, moist, brown		M=1.7%				2.0
										M=5.1%				3.0
														4.0
								S#247, 4.55-5.20m (frozen @ 4.40m) clayey silt, frozen Vs, ice lenses to 5mm, grey		M=56.4%				5.0
								S#248, 5.95-6.55m clayey silt, frozen Vs, ice lenses to 20mm, grey		M=44.0%				6.0



End of Hole

- Industrial Road
- west of intersection with south Canal road
- south lane

SOIL TYPES	CONDITION	SAMPLE TYPE	LABORATORY TEST SYMBOLS	PENETRATION RESISTANCE
TOPSOIL PEAT FILL CLAY SILT SAND TILL BEDROCK	-UNDISTURBED -DISTURBED -LOST SAMPLE	U - 76mm SHELBY TUBE D.S. - DRIVE SAMPLE M - MOISTURE CONTENT R.C. - ROCK CORE	Qu - UNCONFINED COMP. STR. kPa W _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.