

**TEST HOLE LOG AND LABORATORY TEST DATA**

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

DWN. **WCK** CKD. **WCK** JOB NO. **8002-110** DATE **89/10/16** HOLE NO. **43** PLATE NO. **43**

MOISTURE CONTENT **●—●** SOIL PROFILE SAMPLES  
LIQUID LIMIT (W.L.) **■—■** **259 to 263**  
PLASTIC LIMIT (W.P.) **▲—▲**  
STANDARD PENETRATION TEST **X—X**

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	100mm of organics @ top S#259, 0.10-0.30m silt, some rootlets, saturated, brown. S#260, 0.75-1.20m/silt and sand in 50mm to 100mm seams, saturated, brown. 1.65m	M=46.1%				1.0
								S#261, 1.85-2.15m (water table @ 1.85m) gravelly sand, trace of silt, saturated, brown. (frozen @ 2.15m)	M=7.2%				2.0
								S#262, 2.15-2.75m gravelly sand, frozen Vx, brown	M=7.8%				3.0
								S#263, 3.35-4.25m sandy gravel, frozen Vx, brown. -To cobble in size below 4.25 meters. 4.75m	MA M=7.8%				4.0

End of Hole

-Test hole located in Wetlands area.

-Stand Pipe installed to 4.40 meters below existing ground surface.

-water table reading obtained 89/10/10, 1.85m

SOIL TYPES	CONDITION	SAMPLE TYPE	LABORATORY TEST SYMBOLS	PENETRATION RESISTANCE
SOIL 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 - 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.