

RECORD OF BOREHOLE No 3

1 of 3 METRIC

Sta. 10+034 (Townline Rd.), 16m Lt. CL

Co-ords. 4 809 262 N; 241 413 E.

G.W.P. 1-00-00

LOCATION

ORIGINATED BY DJ

DIST SW

HWY 401

BOREHOLE TYPE

C.F.H.S.A and Wash Boring Method

COMPILED BY MRA

DATUM Geodetic

DATE

October 31 to November 13, 2001

CHECKED BY MRA

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT				PLASTIC LIMIT w _p	NATURAL MOISTURE CONTENT w	LIQUID LIMIT w _L	UNIT WEIGHT γ kN/m ³	REMARKS & GRAIN SIZE DISTRIBUTION (%) GR SA SI CL			
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa									WATER CONTENT (%)		
								○ UNCONFINED ● QUICK TRIAXIAL		+ FIELD VANE × LAB VANE									
314.20 0.00	Ground Surface						20	40	60	80	100								
313.75 0.45	Topsoil, sandy silt		1	SS	11														
	Fine to medium sand, trace to some silt, trace of gravel		2	SS	22														
	Compact Brown Moist		3	SS	22														
312.10 2.10	Silty sand and gravel Compact to dense		4	SS	30														
311.30 2.90	Brown Moist																		
	Silty fine sand to silt and fine sand, trace of gravel		5	SS	27														
	Compact to dense Brown		6	SS	26														
	Moist		7	SS	32														
309.40 4.80	Silt, trace of fine sand, trace of clay																		
	Dense Brown Moist		8	SS	71														
	occ. layers of silty fine sand																		
			9	SS	38														
			10	SS	47														
			11	SS	32														
	Grey Saturated																		
			12	SS	41														
			13	SS	41														
299.50 14.70	Cont'd																		

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2 of 3 METRIC

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SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT		PLASTIC LIMIT w _p	NATURAL MOISTURE CONTENT w	LIQUID LIMIT w _L	UNIT WEIGHT γ kN/m ³	REMARKS & GRAIN SIZE DISTRIBUTION (%) GR SA SI CL		
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa							WATER CONTENT (%)	
								○ UNCONFINED ● QUICK TRIAXIAL	+ FIELD VANE × LAB VANE							
314.20	Ground Surface							20 40 60 80 100	20 40 60 80 100							
295.00 19.20	Fine to medium sand, trace of silt, trace of gravel Compact to dense Grey Saturated(Cont'd)		14	SS	11*									5 91 (4) * Low 'N' value due to hydraulic disturbance		
			15	SS	26*											
			16	SS	35											
293.50 20.70	Fine to medium sand and gravel, trace of silt, occ. cobble Very dense Grey Saturated		17	SS	116											
285.70 28.50	Silty fine sand to silt and fine sand Very dense Grey Saturated		18	SS	87									0 29 69 2		
			19	SS	125											
			20	SS	63											
			21	SS	103											
			22	SS	122											
285.70 28.50	Fine to coarse sand, some gravel, trace of silt, occ. cobble Very dense Grey Saturated Cont'd		23	SS	160/225mm									18 75 (7)		

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DIST		HWY		BOREHOLE TYPE													COMPILED BY	
DATUM		DATE													CHECKED BY			
SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION SCALE	DYNAMIC CONE PENETRATION RESISTANCE PLOT					PLASTIC LIMIT NATURAL MOISTURE CONTENT LIQUID LIMIT			UNIT WEIGHT γ	REMARKS & GRAIN SIZE DISTRIBUTION (%)	
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa					WATER CONTENT (%)					
314.20	Ground Surface						20	40	60	80	100							
283.60			24	SS	150/125mm	284												
30.60	End of Borehole Water added during boring. GROUNDWATER CONDITIONS DATE 2002-01-04 ELEV(m) 303.63 ▽ 2001-11-01 Water Level observed during drilling ▼ 2002-01-04 Water Level measured after drilling																	