

RECORD OF BOREHOLE No 2

1 of 2 METRIC

Sta. 9+950 (Townline Rd.), 17m Lt. CL

Co-ords. 4 809 343 N; 241 394 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

November 05 to 09, 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 (%)			
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa									WATER CONTENT (%)		
313.60	Ground Surface																		
0.00																			
0.13	Topsoil, sandy silt																		
	Silty fine sand to fine sandy silt						313												
	Compact to dense		1	SS	29							o							
	Brown																		
	Moist		2	SS	41		312					o							
			3	SS	34		311					o				1 41 56 2			
			4	SS	20		310					o							
			5	SS	24		309					o							
			6	SS	54		308												
308.60																			
5.00	Silt to fine sandy silt																		
	Compact to dense						308												
	Reddish brown and Grey		7	SS	45		307					o							
	Moist to Saturated																		
							306												
			8	SS	50							o							
							305												
			9	SS	48		304					o				0 27 71 2			
							303												
			10	SS	15							o							
							302												
			11	SS	27		301					o							
							300												
			12	SS	34							o							
							299												
298.90																			
14.70	Cont'd																		

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 DIST SW HWY 401 BOREHOLE TYPE C.F.H.S.A and Wash Boring Method COMPILED BY MRA
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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 (%)
ELEV DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	"N" VALUES			SHEAR STRENGTH kPa								
								○ UNCONFINED		+ FIELD VANE						
								● QUICK TRIAXIAL		× LAB VANE						
313.60	Ground Surface						20	40	60	80	100					
	Fine to medium sand, trace silt to silty, trace of gravel		13	SS	16*							125				* Low 'N' value due to hydraulic disturbance
	Compact to dense															
	Grey															
	Saturated(Cont'd)															
296.40			14	SS	26*											4 73 23 0
17.20	Fine to coarse sand and gravel, some silt															39 48 12 1
295.80	Dense Grey															
17.80	Fine sand, some silt to silt and fine sand, trace of gravel		15	SS	41											
	Dense to very dense															
	Grey															
	Saturated		16	SS	79											
			17	SS	65											0 40 59 1
			18	SS	100											
			19	SS	129											
			20	SS	135/250mm											4 78 17 1
286.90																
26.70	Silty sand and gravel, occ. cobble															
286.00	Very dense		21	SS	104											
27.60	Grey Saturated															
	End of Borehole															
	Water added during boring.															
	GROUNDWATER CONDITIONS															
	DATE 2002-01-04 ELEV(m) 303.75															
	2002-01-04															
	Water Level measured after drilling															