



# PRELIMINARY REPORT OF BOREHOLE: BH 2

CLIENT: RTA  
 PROJECT: Tall Building  
 LOCATION: Cut 123  
 JOB NO: ABC1234

POSITION: Cut 123  
 COORDS: 654122.95 m E 123139.23 m N MGA94 56/2 (dGPS)  
 SURFACE RL: 10.00 m DATUM: AHD (dGPS)  
 INCLINATION: -90° DIRECTION: 045°  
 HOLE DEPTH: 12.00 m

SHEET: 1 OF 3  
 DRILL RIG: DB515  
 CONTRACTOR: Company A  
 LOGGED: RH DATE: 25/7/06  
 CHECKED: DATE:

Drilling			Sampling			Field Material Description				
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0					Start Non-Cored Borehole @ 1.00 m		
			1	8.95	PM 1.00 m SPT 1.35-1.80 m 6, 5, 4 N=9 Rec = 400/450 mm		CI / CL - CI	FILL and BASECOURSE: Sandy Gravelly Bioclastic CLAY low and medium plasticity, brown, fine to coarse angular gravel, fine to coarse grained sand, with some clay, scatter of cobbles with pockets of GRAVEL fine grained, to 50 mm, uniform, brown Clayey SILT medium liquid limit, brown and dark brown, scatter of fine to coarse grained sand, interbedded with BOULDERS green		ALLUVIUM abc
			2	2.30	FV 2.00 m s <sub>v</sub> =200 kPa s <sub>v</sub> =100 kPa					
			3	7.70	BDS 2.00-2.50 m Rec = 500/500 mm FV 2.00 m s <sub>v</sub> =200 kPa s <sub>v</sub> =100 kPa BDS 2.00-2.50 m Rec = 500/500 mm		CI / CL - CI	Silty Clayey SAND fine and medium grained, low plasticity, brown and pale brown, With some grey. Slight and low plasticity.		
			4	3.15	AC1-3a 2.00-2.20 m PP >400 kPa FV 2.00 m s <sub>v</sub> =200 kPa s <sub>v</sub> =100 kPa		CH - MH / CH - MH	Silty Clayey SAND pale brown and grey, With some red-brown. With some low plasticity sandy clay layers.	VL	another example
			5	6.85	AC1-3b 2.20-2.40 m PID = 300 ppm FV 2.00 m s <sub>v</sub> =200 kPa s <sub>v</sub> =100 kPa		CI / CL - CI	some sublayer	W	
			6	4.00	FV 2.00 m s <sub>v</sub> =200 kPa s <sub>v</sub> =100 kPa		CI / CL - CI	Sandy CLAY low plasticity, pale grey pale, fine and medium grained sand	S	
			7	4.35	AC1-3c 2.40-2.50 m PP = 200 kPa FV 2.00 m s <sub>v</sub> =200 kPa s <sub>v</sub> =100 kPa		CI / CL - CI	Clayey Siliceous SAND fine to coarse grained, low plasticity, pale grey, light brown and light red-brown. Non and low plasticity layers. Variable fine to coarse grained sand. Scatter of gravel, and interbedded with Calcareous SAND fine to medium grained, uniform, angular, bb	MD	
			8	5.45	2nd rem2 U63 4.20-4.65 m Rec = 300/450 mm			Silty Bioclastic CLAY medium plasticity, dark grey brown, organic.		
			9	5.60	A1 U63 4.20-4.65 m Rec = 300/450 mm			Sandy Silty Organic CLAY medium to high plasticity, dark brown and dark grey, fine to coarse grained sand, medium and medium to high plasticity. Some organic material. Scatter of gravel.	M	St - D
			10	6.35	A1 A1-1 4.20-4.30 m PP >=95 <=105 kPa HV s <sub>v</sub> =50 kPa s <sub>v</sub> =25 kPa PID = 300 ppm pH <sub>i</sub> =1.7 pH <sub>to</sub> =1.8 Reaction=Extreme Components=R A1-2 4.30-4.40 m PP = 100 kPa PID = 250 ppm pH <sub>i</sub> =2 pH <sub>to</sub> =2.1 Reaction=Moderate Components=J R SPT 5.70-6.15 m 3, 3, 4 N=7 spt rem Rec = 350/450 mm QA			SANDY SILTSTONE dark grey moderately weathered, very low to high strength		BEDROCK
								For Continuation Refer to Sheet 2		

This report of borehole must be read in conjunction with accompanying notes and abbreviations. It has been prepared for environmental purposes only, without attempt to consider geotechnical properties or the geotechnical significance of the materials encountered. As such it should not be relied upon for geotechnical purposes.