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# BOREHOLE ENGINEERING LOG

BOREHOLE NO.

**RTBH13**

SHEET 1 OF 1

Client: Department of Transport and Main Roads  
Project: Gold Coast Rapid Transit  
Borehole Location: Queen Street, Ch: 21531.6  
Project Number: 2161016A

Date Commenced: 5/3/10  
Date Completed: 5/3/10  
Recorded By: NG  
Log Checked By: *ZMCK*

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 4.23 m AHD\*  
Borehole Diameter: 100 mm Bearing: --- Co-ords: E 82814.53 N 61061.68 GCCC Grid\*

Borehole Information						Field Material Description								
1	2	3	4	5	6	7	8	9	10	11	12	13		
METHOD	SUPPORT	WATER	RL(m) AHD*	DEPTH(m)	FIELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL FIELD DESCRIPTION	MOISTURE	RELATIVE DENSITY / CONSISTENCY	HAND PENETROMETER (kPa)	STRUCTURE AND ADDITIONAL OBSERVATIONS	
TC	C		05/03/2010	0.10					TOPSOIL (Silty CLAY): dark brown, medium plasticity, rootlets.				TOPSOIL	
				4					FILL (Silty CLAY): medium plasticity, grey-brown.				FILL	
				0.60					FILL (Gravelly CLAY): low to medium plasticity, brown, fine to coarse grained angular gravel.					
				0.80					Silty CLAY: medium plasticity, dark grey and black.				REMNANT TOPSOIL (?)	
				0.90					Silty CLAY: low plasticity, grey-brown mottled orange.				ALLUVIUM	
				1	SPT 9,8,4 N=12	SPT				MC-PL				
				3										
				2										
				2	SPT 3,6,9 N=15	SPT				MC-PL				
				3										
				1										
				3.80										
				4	SPT 5,12,14 N=26	SPT				W				
				0										
				4.35										
5											RESIDUAL SOIL			
5.1														
5.3														
6	SPT 15,24,12 N=36	SPT												
6.60														
7	SPT 10,10,17 N=27	SPT										WEATHERED ROCK		
8														
8.0														
9	SPT 20 /65mm	SPT												
9.0														
9.0														

END OF BOREHOLE AT 10.00 m

This borehole log should be read in conjunction with Parsons Brinckerhoff's accompanying standard notes.

\* Horizontal and vertical data determined by Ground Survey

Limit of Investigation