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# BOREHOLE ENGINEERING LOG

BOREHOLE NO.

## RTBH08

SHEET 1 OF 2

Client: Department of Transport and Main Roads  
 Project: Gold Coast Rapid Transit  
 Borehole Location: Gold Coast Council Depot, Ch: 21109.7  
 Project Number: 2161016A

Date Commenced: 12/3/10  
 Date Completed: 12/3/10  
 Recorded By: NG  
 Log Checked By: LMEK

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 16.61 m AHD\*  
 Borehole Diameter: 75 mm Bearing: --- Co-ords: E 82512.86 N 61294.02 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
										VS FB VL SL JL MD ST VST D H			
TC	C			0.10					TOPSOIL (SAND): black, with gravel. FILL (Gravelly CLAY): high plasticity, brown, gravel to 15mm.				TOPSOIL FILL
				1	SPT 1,1,1 N=2	SPT							
				2.30					FILL (SAND): medium grained, brown.	W			
				2.60	SPT 3,8,14 N=22	SPT		CL	Silty CLAY: low plasticity, pale grey to white mottled red.	MC-PL			RESIDUAL SOIL
WB	M			3.80					META-SILTSTONE: pale grey to white, extremely weathered, extremely low strength, foliation at 30°				WEATHERED ROCK ... only 150mm of insitu material in SPT (sand fall in at top)
				4	SPT 11,18,3 /130mm	SPT							
				5									
				6	SPT 13,26,30 /125mm	SPT							
				7	SPT 11,26,30 /80mm	SPT							
				8	SPT 22,28,30 /140mm	SPT			META-SANDSTONE: medium to coarse grained, pale grey with yellow and pale red staining, extremely weathered, extremely low strength.				
				8.00					... 9.8 m: change to fine to medium grained.				

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

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# BOREHOLE ENGINEERING LOG

BOREHOLE NO.

**RTBH08**

SHEET 2 OF 2

Client:	Department of Transport and Main Roads	Date Commenced:	12/3/10
Project:	Gold Coast Rapid Transit	Date Completed:	12/3/10
Borehole Location:	Gold Coast Council Depot, Ch: 21109.7	Recorded By:	NG
Project Number:	2161016A	Log Checked By:	<i>LM9L</i>

Drill Model/Mounting:	Drillpower Hydrapower Scout	Hole Angle:	90°	Surface RL:	16.61 m AHD*
Borehole Diameter:	75 mm	Bearing:	---	Co-ords:	E 82512.86 N 61294.02 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
					SPT					VS FB VL SL FL ST H	MD VD		
				26.30	SPT				END OF BOREHOLE AT 10.23 m				
				6									Limit of Investigation * Horizontal and vertical data determined by Ground Survey
				11									
				5									
				12									
				4									
				13									
				3									
				14									
				2									
				15									
				1									
				16									
				0									
				17									
				-1									
				18									
				-2									
				19									
				-3									

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

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