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Client: Department of Transport and Main Roads  
 Project: Gold Coast Rapid Transit  
 Borehole Location: Griffith University, Ch: 20187.9  
 Project Number: 2161016A

Date Commenced: 8/2/10  
 Date Completed: 8/2/10  
 Recorded By: DS  
 Log Checked By: LMK

Drill Model/Mounting: Drillpower Jackro 350  
 Borehole Diameter: 100 mm

Hole Angle: 90° Surface RL: 25.10 m AHD\*  
 Bearing: --- Co-ords: E 81870.69 N 61787.46 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	STRUCTURE AND ADDITIONAL OBSERVATIONS
AS	Nil		25	0.05					ASPHALT	D		PAVEMENT MATERIALS
				0.35				CH	FILL (Sandy GRAVEL): fine to coarse grained, pale grey, fine grained sand, with low plasticity fines			RESIDUAL SOIL
				0.80					Silty CLAY: high plasticity, orange brown	MC-PL		
WB	M								META-SILTSTONE: grey white and orange-brown, extremely weathered, extremely low strength			WEATHERED ROCK
				1	SPT 10,30 /120mm	SPT						
				2								
				3	SPT 14,24,30 /130mm	SPT						
				4	SPT 21,30 /120mm	SPT						
				5								
				6	SPT 23,30 /140mm	SPT			... 5.5 m: very low strength iron stone bands.			B, 70°, P, S, Fe stained very low strength bands, from Fe cementation, dip ~70° from horizontal
				7	SPT 30 /150mm	SPT						
				8								
				9	SPT 25,30 /100mm	SPT			... 9.8 m - 9.9 m: trace of quartz fragments			

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



# BOREHOLE ENGINEERING LOG

BOREHOLE NO.

**RTBH04**

SHEET 2 OF 2

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Project: Gold Coast Rapid Transit  
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Project Number: 2161016A

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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	SOIL/ROCK MATERIAL FIELD DESCRIPTION	MOISTURE	RELATIVE DENSITY / CONSISTENCY	HAND PENETROMETER (kPa)	STRUCTURE AND ADDITIONAL OBSERVATIONS
WB			-15		SPT 30 /135mm	SPT		META-SILTSTONE: grey white and orange-brown, extremely weathered, extremely low strength ( <i>continued</i> )	VS	FB		
			-14	11					VL	MD		
					SPT 30 /100mm	SPT		END OF BOREHOLE AT 11.60 m	SL	ST		
			-13	12					SH	VST		
			-12	13						H		
			-11	14								
			-10	15								
			-9	16								
			-8	17								
			-7	18								
			-6	19								

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