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# BOREHOLE ENGINEERING LOG

BOREHOLE NO.

## RTBH14

SHEET 1 OF 1

Client: Department of Transport and Main Roads  
 Project: Gold Coast Rapid Transit  
 Borehole Location: Nerang Street, Ch: 22969.7  
 Project Number: 2161016A

Date Commenced: 24/2/10  
 Date Completed: 24/2/10  
 Recorded By: DS  
 Log Checked By: LMCK

Drill Model/Mounting: Drillpower Jackro 350      Hole Angle: 90°      Surface RL: 16.26 m AHD\*  
 Borehole Diameter: 100 mm      Bearing: ---      Co-ords: E 84189.29 N 60993.28 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	LD	ST	MD	VD	VS	FB	VL	LD	ST	MD	VD
TC	C			16					ASPHALT				PAVEMENT MATERIALS
				0.20					FILL (Silty GRAVEL): fine to coarse grained, brown.	D			
				0.60				CL	CLAY with SAND: medium to high plasticity, grey-brown, fine grained sand, trace organics and wood fragments.				REMNANT TOPSOIL (?)
				0.90				CH	Silty CLAY: high plasticity, grey mottled orange-red and brown, trace fine grained sand, fine grained gravel of quartz and rock fragments.	MC<PL			RESIDUAL SOIL
				1	SPT 1,3,3 N=6	SPT							
				15									
				2									
				14									
				3	SPT 3,4,7 N=11	SPT							
				13					... 3.2 m - 3.5 m: no quartz fragments				
				3.50					META-SILTSTONE: pale grey, extremely weathered, consistency of a stiff clay.				WEATHERED ROCK
				4	SPT 2,3,6 N=9	SPT			... 4.1 m: pale grey-green.				
				5									
				12									
				6	SPT 6,9,11 N=20	SPT			... 5.8 m: consistency of a very stiff clay.				
				10									
				7	SPT 7,12,17 N=29	SPT							
				8									
				8									
				9	SPT 15,30 /130mm	SPT			... 8.8 m: extremely weathered, extremely low strength.				
				7									

\* Horizontal and vertical data determined by Ground Survey  
 Limit of Investigation

END OF BOREHOLE AT 10.00 m  
 This borehole log should be read in conjunction with Parsons Brinckerhoff's accompanying standard notes.