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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

RTBH27

SHEET 1 OF 1

Client: Department of Transport and Main Roads
 Project: Gold Coast Rapid Transit
 Borehole Location: Gold Coast Highway, Ch: 31432.5
 Project Number: 2161016A

Date Commenced: 16/3/10
 Date Completed: 16/3/10
 Recorded By: NG
 Log Checked By: LMK

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 2.31 m AHD*
 Borehole Diameter: 100 mm Bearing: --- Co-ords: E 86099.05 N 58833.77 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
AS	C									VS FB VL SL ST VST H			
				0.20			SP		TOPSOIL (SAND): fine to medium grained, dark brown, grass and rootlets. SAND: fine to medium grained, pale brown.	D			TOPSOIL
				2		D							BEACH SEDIMENTS
				1	SPT 1,2,4 N=6	SPT							
				1		D							
				2									
				0									
WB			16/03/10	2.50			SM		SAND: fine to medium grained, grey. ... 2.9m: trace of rootlets. ... 3.4 m: rootlets and organic material in wash.	W			ESTUARINE SEDIMENTS
				3	SPT 1,3,6 N=9	SPT							
				-1									
				4	SPT 7,10,14 N=24	SPT			... 4.2m: colour change to pale grey, trace gravel.				
				-2									
				5									
				-3									
				5.60	SPT 5,8,8 N=16	SPT	SP		SAND: fine to medium grained, pale yellow to pale brown, shell fragments concentrated at estuarine/beach sediment boundary.				BEACH SEDIMENTS
				6									Borehole continued for installation of piezometer
				-4									
				7									
				-5									
				8									
				-6									
				9									
				-7									

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

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