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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

BH42

SHEET 1 OF 4

Client: QUEENSLAND MAIN ROADS
Project: TUGUN BYPASS GEOTECHNICAL INVESTIGATION
Borehole Location: Airport Tunnel
Project Number: 2134070C

Date Commenced: 16/6/05
Date Completed: 20/6/05
Recorded By: SAM
Log Checked By: *PAW*

Drill Model/Mounting: HYDRAPOWER SCOUT 250 Hole Angle: 90° Surface RL: 0.5 m AHD
Borehole Diameter: 120 mm Bearing: --- Co-ords: E 50527.2 N 86933 PMG

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
TC	C		0.20					SM	Silty SAND: fine to medium grained, brown with organic matter.	M		TOPSOIL
			0					SP	SAND: fine to medium grained, grey-brown.	W		ESTUARINE/ FLOODPLAIN/TIDAL DELTA DEPOSITS
	M		-1		SPT 1,2,2 N=4	SPT						
			-2									
			-3		SPT 3,6,4 N=10	SPT						% passing 0.425mm=97% % passing 0.075mm=4%
			-4									
			-5									
			-6		SPT 2,4,4 N=8	SPT						
			-7									
			-8		SPT 9,12,14 N=26	SPT		SM	Cemented Silty SAND (Coffee Rock): fine to medium grained, dark brown.			
			-9									
			-9		SPT 5,7,8 N=15	SPT						

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



BOREHOLE ENGINEERING LOG

BOREHOLE NO.

BH42

SHEET 2 OF 4

Client: QUEENSLAND MAIN ROADS

Project: TUGUN BYPASS GEOTECHNICAL INVESTIGATION

Borehole Location: Airport Tunnel

Project Number: 2134070C

Date Commenced: 16/6/05

Date Completed: 20/6/05

Recorded By: SAM

Log Checked By:

Drill Model/Mounting: HYDRAPOWER SCOUT 250

Hole Angle: 90°

Surface RL: 0.5 m AHD

Borehole Diameter: 120 mm

Bearing: ---

Co-ords: E 50527.2 N 86933 PMG

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 S _u		
TC								SM	Cemented Silty SAND (Coffee Rock): fine to medium grained, dark brown.(continued)	W			
				10	SPT 4.8,11 N=19	SPT							% passing 0.425mm=98% % passing 0.075mm=5%
				11									
				11									
				12	SPT 15.22 /130mm	SPT							
				12									Hammer bouncing.
				13									
				13	SPT 15.25 /150mm	SPT							
				14									Hammer bouncing.
				14									
				15	SPT 17.13 /50mm	SPT							
				15									
				16									
				16	SPT 4.8,10 N=18	SPT		SP	SAND: fine to medium grained, grey-brown.				
				17									
				17									
				18	SPT 5.6,4 N=10	SPT							
				18									
				19									
				19	SPT 5.5 N=10	SPT		CH	Sandy CLAY: medium to high plasticity, grey, with fine to medium grained sand.			130 150 160	

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Borehole Diameter: 120 mm

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[illegible]

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