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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

BH30

SHEET 1 OF 3

Client:	QUEENSLAND MAIN ROADS	Date Commenced:	11/5/05
Project:	TUGUN BYPASS GEOTECHNICAL INVESTIGATION	Date Completed:	11/5/05
Borehole Location:	Noise Structure	Recorded By:	DAW
Project Number:	2134070C	Log Checked By:	

Drill Model/Mounting:	HYDRAPOWER SCOUT 250	Hole Angle:	90°	Surface RL:	29.3 m AHD
Borehole Diameter:	100 mm	Bearing:	---	Co-ords:	E 47768.6 N 89453.1 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	SOIL/ROCK MATERIAL FIELD DESCRIPTION	MOISTURE	RELATIVE DENSITY / CONSISTENCY	HAND PENETROMETER (NPa)	STRUCTURE AND ADDITIONAL OBSERVATIONS
RAB	Ni	OZONE	-29					Interbedded GREYWACKE and ARGILLITE: fine to medium grained, grey-brown, mottled black, iron stained, highly weathered, very low strength.	VS	FB		WEATHERED ROCK
									VL	VL		
									VS	VS		
									VS	VS		
									VS	VS		
									VS	VS		
									VS	VS		
									VS	VS		
								REFER TO CORED BOREHOLE LOG	VS	VS		
									VS	VS		
									VS	VS		
									VS	VS		
									VS	VS		
									VS	VS		
									VS	VS		
									VS	VS		

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



CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

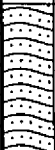
BH30

SHEET 2 OF 3

Client: QUEENSLAND MAIN ROADS
Project: TUGUN BYPASS GEOTECHNICAL INVESTIGATION
Borehole Location: Noise Structure
Project Number: 2134070C

Date Commenced: 11/5/05
Date Completed: 11/5/05
Recorded By: DAW
Log Checked By: JAW

Drill Model/Mounting: HYDRAPOWER SCOUT 250 Hole Angle: 90° Surface RL: 29.3 m AHD
Borehole Diameter: 100 mm Bearing: --- Co-ords: E 47768.6 N 89453.1 PMG

Borehole Information						Field Material Description						
1	2	3	4	5	6	7	8	9	10	11	12	
METHOD	SUPPORT	WATER	CORE RECOVERY	RQD	RL(m) AHD	DEPTH(m)	GRAPHIC LOG	SOIL/ROCK MATERIAL FIELD DESCRIPTION	WEATHERING	INFERRED STRENGTH Is(50) MPa	AVERAGE DEFECT SPACING mm	STRUCTURE AND ADDITIONAL OBSERVATIONS
									EL 0.03 VL 0.1 JL 0.3 LM 1 MH 3 VH 10 EH 30 100 300 1000 3000			
					-29	1						
					-28	2						
					-27	3						
					-26	4						
					-25	5						
					-24	6						
					-23	7						
					-22	8						
					-21							
					-20							
	Nil							COMMENCE CORING AT 9 m GREYWACKE: fine to medium grained, grey-brown.	HW			9.00-10.56m: Non-intact core.
			100	0								

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CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

BH30

SHEET 3 OF 3

Client: QUEENSLAND MAIN ROADS
Project: TUGUN BYPASS GEOTECHNICAL INVESTIGATION
Borehole Location: Noise Structure
Project Number: 2134070C

Date Commenced: 11/5/05
Date Completed: 11/5/05
Recorded By: DAW
Log Checked By: JAW

Drill Model/Mounting: HYDRAPOWER SCOUT 250 Hole Angle: 90° Surface RL: 29.3 m AHD
Borehole Diameter: 100 mm Bearing: --- Co-ords: E 47768.6 N 89453.1 PMG

Borehole Information						Field Material Description						
1	2	3	4	5	6	7	8	9	10	11	12	
METHOD	SUPPORT	WATER	CORE RECOVERY	RQD	RL(m) AHD	DEPTH(m)	GRAPHIC LOG	SOIL/ROCK MATERIAL FIELD DESCRIPTION	WEATHERING	INFERRED STRENGTH $\log(50)$ MPa	AVERAGE DEFECT SPACING mm	STRUCTURE AND ADDITIONAL OBSERVATIONS
									EL 0.03 VL 0.1 L 0.3 M 1 H 3 VH 10 EH 10	20 30 100 300 1000 2000		
					-19			GREYWACKE: fine to medium grained, grey-brown. (continued)	HW			
								END OF BOREHOLE AT 10.56 m				
						11						
					-18							
					12							
					-17							
					13							
					-16							
					14							
					-15							
					15							
					-14							
					16							
					-13							
					17							
					-12							
					18							
					-11							
					19							
					-10							

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Project: Tugun Bypass Geotechnical Investigation
Borehole: BH30
Start Depth: 9.00m
Finish Depth: 10.56m

