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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

UBH05

SHEET 1 OF 4

Client: Department of Transport and Main Roads Date Commenced: 16/2/10
Project: Gold Coast Rapid Transit Date Completed: 16/2/10
Borehole Location: Proposed University Hospital Station, Parklands Drive, Ch: 19463.3 Recorded By: DS
Project Number: 2161016A Log Checked By: *LMC*

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 24.96 m AHD*
Borehole Diameter: 75 mm Bearing: --- Co-ords: E 81470.18 N 62131.93 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	SOIL/ROCK MATERIAL FIELD DESCRIPTION	MOISTURE	RELATIVE DENSITY / CONSISTENCY	HAND PENETROMETER (kPa)	STRUCTURE AND ADDITIONAL OBSERVATIONS
WB								META-SILTSTONE: pale grey mottled orange brown and red-brown, extremely weathered, extremely low strength				WEATHERED ROCK
				24	1	SPT 30 /130mm	SPT					
				23	2							
				22	3	SPT 30 /115mm	SPT					
				21	4	SPT 30 /70mm	SPT					
				20	5							
				19	6	SPT 30 /85mm	SPT					
				18	7	SPT 30 /70mm	SPT					
				17	8							
				16	9	SPT 30 /80mm	SPT					
								REFER TO CORED BOREHOLE LOG				

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

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 Project: Gold Coast Rapid Transit
 Borehole Location: Proposed University Hospital Station, Parklands Drive, Ch: 19463.3
 Project Number: 2161016A

Date Commenced: 16/2/10
 Date Completed: 16/2/10
 Recorded By: DS
 Log Checked By: *L. McK*

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 24.96 m AHD*
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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
NMLC			80	40		10.00		META-SILTSTONE: pale grey mottled orange red and brown <i>(continued)</i> ... 10.0 m - 10.1 m: meta-sandstone, fine grained, grey	XW- HW	EL 0.03 VL 0.1 L 0.3 M 0.3 H 3 VH 10 EH	100 300 1000 3000	10.0 - 10.8 m: 8 x DB 10.2 m: PP 150 10.39 m: PP 260 10.63 m: PP 340
					14	10.80		CORE LOSS				
			100	40		11.00	11	META-SILTSTONE: grey mottled orange-brown, Fe staining in parts	XW- HW			11.02 m, 11.2 m, 11.3 m: discing 11.1 m - 11.15 m: non Intact Core 11.5 m: PP 210 11.7 m: PP 170 11.85 m - 12.0 m: Non Intact Core 12.0 m - 12.8 m: Non Intact Core
					13	12.00	12					
			65	0		12.40		META-SANDSTONE: fine grained, red-brown	HW			
						12.60		CORE LOSS				
			100	10		13.00	13	META-SANDSTONE: fine grained, red-brown mottled orange	XW- HW			13.0 m - 14.0 m: Non Intact Core 14.0 m - 14.2 m: Non Intact Core 14.43 m: DB 14.64 m: PP 210
			75	20		14.75		CORE LOSS				
			100	30		15.00	15	META-SANDSTONE: fine grained, grey-brown with red and orange staining ... 15.4 m - 15.6 m: meta-siltstone: grey	HW			15.0 m - 16.0 m: 8 x DB 15.84 m: PP 560 16.0 m - 17.0 m: 7 x DB 16.3 m - 16.5 m: Non Intact Core 16.62 m: PP 520
			100	30		16.05	16	... 16.05 m: grey with trace red, brown mottled orange	XW- HW			
			100	95		17.25	17	META-SILTSTONE: grey, trace fine grained sand	HW			17.08 m: DB 17.13 m: DB 17.2 m: PP 360 17.39 m: PP 400 17.65 m: PP 400
			100	100		18.35	18	META-SANDSTONE: fine grained, grey, red-brown, orange and purple staining along healed defects	MW			18.17 m: PP 280 18.4 m, 18.5 m, 18.57 m: quartz veins, 2-5mm perpendicular to bedding
			55	0		18.94	19	META-SILTSTONE: pale grey, trace fine grained sand, brown and purple staining in parts	XW- HW			19.0 m - 19.55 m: Non Intact Core 19.43 m: PP 230
						19.55		CORE LOSS				

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REPORT OF PHOTOGRAPHS



Borehole number: **UBH05**

Sheet 1 of 1

Client:	Department of Transport and Main Roads	Coordinates:	E 81470.18 N 62131.93	Depth range:	9.0 m – 25.0 m
Project:	Gold Coast Rapid Transit	Surface RL:	24.96 m AHD	Inclined length:	–
Borehole location:	Ch: 19515	Hole angle:	90 °	Drill model/mounting:	Hydrapower Scout
Project number:	2161016A	Bearing:	–	Borehole diameter:	75 mm

