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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

UBH03

SHEET 2 OF 4

Client: Department of Transport and Main Roads Date Commenced: 10/2/10
Project: Gold Coast Rapid Transit Date Completed: 11/2/10
Borehole Location: Proposed University Hospital Station, Parklands Drive, Ch: 19390.5 Recorded By: NG
Project Number: 2161016A Log Checked By: LMK

Drill Model/Mounting: Drillpower Jackro 350 Hole Angle: 90° Surface RL: 23.95 m AHD*
Borehole Diameter: 75 mm Bearing: --- Co-ords: E 81414.51 N 62162.72 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
					SPT 8,13,18 N=31	SPT			META-SILTSTONE: grey-white mottled brown and yellow, extremely weathered, extremely low strength (continued)				
									REFER TO CORED BOREHOLE LOG				
				13	11								
				12	12								
				11	13								
				10	14								
				9	15								
				8	16								
				7	17								
				6	18								
				5	19								
				4									

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



CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

UBH03

SHEET 4 OF 4

Client: Department of Transport and Main Roads
Project: Gold Coast Rapid Transit
Borehole Location: Proposed University Hospital Station, Parklands Drive, Ch: 19390.5
Project Number: 2161016A

Date Commenced: 10/2/10

Date Completed: 11/2/10

Recorded By: NG

Log Checked By: *JMK*

Drill Model/Mounting: Drillpower Jackro 350

Hole Angle: 90°

Surface RL: 23.95 m AHD*

Borehole Diameter: 75 mm

Bearing: ---

Co-ords: E 81414.51 N 62162.72 GCCC Grid*

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 (s(50) MPa)	AVERAGE DEFECT SPACING (mm)	STRUCTURE AND ADDITIONAL OBSERVATIONS
NMLC						20.00						
						20.15		META-SILTSTONE: grey-brown mottled red and orange.	XW			20.2 m - 20.55 m: Non Intact Core
						20.55		... 20.15 m - 20.55 m: trace fine grained sand				
			55	0			CORE LOSS					
						21.00						
						21.10		INTERBEDDED META-SILTSTONE and META-SANDSTONE	XW			21.3 m - 22.0 m: Non Intact Core
						21.20		... 21.0 m - 21.2 m: grey-brown mottled red and orange				
			95	0		21.25		... fine to medium grained, grey-brown				
						21.40		... 21.25 m - 21.3 m: fine to medium grained gravel size low strength rock fragments				22.1 m: J, 45°, Ir
						21.62		... 21.4 m - 21.6 m: fine to medium grained gravel size low strength rock fragments				22.4 m - 22.8 m: Non Intact Core
						21.80		... 21.62 m - 22.72 m: pale grey and pink with orange-brown staining				
			75	30		22.75		... 21.8 m: colour change to pale grey with orange-brown staining				
					23.00				XW		23.2 m - 23.65 m: Non Intact Core	
					23.20		CORE LOSS					
		76	0		23.70		INTERBEDDED META-SILTSTONE and META-SANDSTONE: pale grey and pink with orange-brown staining					
					24.00		... 23.2 m - 23.7 m: medium to coarse grained, brown				* Horizontal and vertical data determined by ground survey	
							CORE LOSS					
							END OF BOREHOLE AT 24.00 m					
					-1	25						
					-2	26						
					-3	27						
					-4	28						
					-5	29						
					-6							

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

REPORT OF PHOTOGRAPHS



Borehole number: **UBH03**

Sheet 1 of 1

Client:	Department of Transport and Main Roads	Coordinates:	E 81414.51 N 62162.72	Depth range:	10.5 m – 24.0 m
Project:	Gold Coast Rapid Transit	Surface RL:	23.95 m AHD	Inclined length:	–
Borehole location:	Ch: 19440	Hole angle:	90 °	Drill model/mounting:	Hydrapower Scout
Project number:	2161016A	Bearing:	–	Borehole diameter:	75 mm

