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CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

UBH07

SHEET 3 OF 4

Client: Department of Transport and Main Roads
Project: Gold Coast Rapid Transit
Borehole Location: Proposed University Hospital Station stairs, Ch: 19489.4
Project Number: 2161016A

Date Commenced: 9/2/10
Date Completed: 10/2/10
Recorded By: DS
Log Checked By: LMcK

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 23.24 m AHD*
Borehole Diameter: 75 mm Bearing: --- Co-ords: E 81459.56 N 62060.38 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 Is(50) MPa	AVERAGE DEFECT SPACING mm	STRUCTURE AND ADDITIONAL OBSERVATIONS
									0.03 0.1 0.3 1 3 10 30 100 300 1000 3000			
WB						13		META-SILTSTONE: grey-white mottled orange-brown (continued)	XW			
						11						11.0 - 11.14 m: SPT 30/140mm refusal
						12						11.5 m - 12.0 m: Non Intact Core
NMLC			50	0		11.50		META-SANDSTONE: grey-white with orange-brown mottled green				
						12.00		CORE LOSS				
WB						12.50		META-SILTSTONE: grey-white mottled red, with decomposed and fragmented quartz veins on joints	XW			12.5 m - 12.25 m: SPT 30/100mm refusal
						13						
						14						14.0 - 14.55 m: SPT 30/55mm refusal
NMLC			60	0		14.05		CORE LOSS				
						14.90		META-SANDSTONE: grey with brown and orange staining.	XW-HW			14.9 m - 15.5 m: Non Intact Core
						15.50		CORE LOSS				
			40	0		16.10		META-SANDSTONE: grey with brown and orange staining.	XW			16.1 m - 17.0 m: Non Intact Core
WB						17.00		META-SILTSTONE: grey-brown, extremely weathered, extremely low strength.				17.0 m - 17.11 m: SPT 30/110mm refusal
						17.40		...17.4 m quartz vein				
						17.50		...17.5 m trace coarse grained sand				
						18						18.5 - 18.58: SPT 30/80mm refusal
NMLC			53	0		18.58		CORE LOSS				
						19						
						19.38		META-SILTSTONE: grey-white mottled brown orange and purple	XW			19.38 m - 20.0 m: Non Intact Core
												20.0 m - 20.07 m: SPT 30/70mm refusal

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



CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

UBH07

SHEET 4 OF 4

Client: Department of Transport and Main Roads
Project: Gold Coast Rapid Transit
Borehole Location: Proposed University Hospital Station stairs, Ch: 19489.4
Project Number: 2161016A

Date Commenced: 9/2/10
Date Completed: 10/2/10
Recorded By: DS
Log Checked By: LMK

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 23.24 m AHD*
Borehole Diameter: 75 mm Bearing: --- Co-ords: E 81459.56 N 62060.38 GCCC Grid*

Borehole Information						Field Material Description						
1	2	3	4	5	6	7	8	9	10	11	12	
METHOD	SUPPORT	WATER	CORE RECOVERY	ROD	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 L 0.3 M 1 H 3 VH 10 EH 10	30 100 300 1000 3000		
					3			END OF BOREHOLE AT 20.07 m				* Horizontal and vertical data determined by ground survey
					21							
					2							
					22							
					1							
					23							
					0							
					24							
					-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: **UBH07**

Sheet 1 of 1

Client:	Department of Transport and Main Roads	Coordinates:	E 81459.56 N 62060.38	Depth range:	5.5 m – 20.0 m
Project:	Gold Coast Rapid Transit	Surface RL:	23.24 m AHD	Inclined length:	–
Borehole location:	Ch: 19535	Hole angle:	90 °	Drill model/mounting:	Hydrapower Scout
Project number:	2161016A	Bearing:	–	Borehole diameter:	75 mm

