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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
									EL VL L M H VH EH	0.03 0.3 0.3 1-3 10	10 30 100 300 1000 3000	
WB						13		META-SILTSTONE: grey-white mottled orange-brown (<i>continued</i>)	XW			11.0 - 11.14 m: SPT 30/140mm refusal 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
NMLC						14.05		CORE LOSS				14.0 - 14.55 m: SPT 30/55mm refusal
			60	0		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. ...17.4 m quartz vein ...17.5 m trace coarse grained sand				17.0 m - 17.11 m: SPT 30/110mm refusal
NMLC						18.58		CORE LOSS				18.5 - 18.58: SPT 30/80mm refusal
			53	0		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.

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CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

UBH07

SHEET 4 OF 4

Client:	Department of Transport and Main Roads	Date Commenced:	9/2/10
Project:	Gold Coast Rapid Transit	Date Completed:	10/2/10
Borehole Location:	Proposed University Hospital Station stairs, Ch: 19489.4	Recorded By:	DS
Project Number:	2161016A	Log Checked By:	<i>LMK</i>
Drill Model/Mounting:	Drillpower Hydrapower Scout	Hole Angle:	90°
Borehole Diameter:	75 mm	Bearing:	---
		Surface RL:	23.24 m AHD*
		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
						3		END OF BOREHOLE AT 20.07 m	EL 0.03 VL 0.3 L 0.3 M 1-3 H 10 VH 10 VH 300 VH 300 VH 1000 VH 3000			* 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.

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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

