#### **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the <u>Creative Commons Attribution 4.0 Licence</u> (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department and author as follows: "(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence, prepared by WSP". This licence does not apply to logos or trademarks.

### **LIMITATION OF LIABILITY**

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <a href="http://qgd.org.au/">http://qgd.org.au/</a>

This log has been contributed to the Queensland Geotechnical Database with the permission of WSP.

# **BOREHOLE ENGINEERING LOG**

BOREHOLE NO.

UBH03

100 YEARS

SHEET 1 OF 4

Client: Project: Department of Transport and Main Roads

**Gold Coast Rapid Transit** 

Date Commenced: Date Completed:

10/2/10 11/2/10

Borehole Location: Project Number:

Proposed University Hospital Station, Parklands Drive, Ch. 19390.5

Recorded By: Log Checked By: NG LMCK

Drill Model/Mounting: Drillpower Jackro 350

2161016A

Hole Angle:

90° Surface RL: 23.95 m AHD\*

			hole	Inform					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  SOIL/ROCK MATERIAL FIELD DESCRIPTION  SOIL/ROCK MATERIAL FIELD DESCRIPTION  WASHINGTON OF THE PROPERTY O
			-						FILL (Clayey GRAVEL): fine to coarse grained, dark grey rock fragments, roadbase, trace cobble
			-23	1.00 1 -	SPT		)))))		TOPSOIL (Sandy CLAY): pale brown, rootlets TOPSOIL
			-	1.20	5,4,4 N=8	SPT		CL	and organic matter 50 mm gravel layer Silty CLAY: medium plasticity, brown
			-22 -	1.90 Z —			·		META-SILTSTONE: grey-white mottled brown and yellow, extremely weathered, extremely low strength
			-	2.60 —	SPT 20,26,30	SPT			pale red Fe staining
			-21 -	3- -	N=56		. — .		
				-	545		. i : i :		
			-20 -	- 4- -	SPT 13,30	SPT	.   .     .   .		
			-	-	/100mm		.   .		
			-19 -	5 <b>-</b>	f }				
			200000	-	SPT 23,30 /140mm	SPT			
			-18 - -	6- -					
			- - -17	_			- : : : : : : : : : : : : : : : : : : :		
			-	7- - -	SPT 15,20 /120mm	SPT			
			- - -16	- - 8-			1   1		
			-	-			· — ·		
			- 15	8.80 — 9 —	SPT 7,11,18 N=29	SPT			50 mm layer of white silty clay with fine grained size quartz
			-	-					
			- -14	-			:		

### **BOREHOLE ENGINEERING LOG**

BOREHOLE NO.

**UBH03** 

11/2/10

DD 100 YEARS ®

🗗 Parsons Brinckerhoff Australia Pty Ltd. Version 5.1 ENGINEERING BOREHOLE LOG GCRT BOREHOLES.GPJ GEOTECH 24-2-2006.GDT 25/5/10

Department of Transport and Main Roads

Date Commenced: 10/2/10

Client: Department of Transport and Main Roads Date Commenced
Project: Gold Coast Rapid Transit Date Completed:

Borehole Location: Proposed University Hospital Station, Parklands Drive, Ch: 19390.5 Recorded By: NG

Project Number: 2161016A Log Checked By: LM 42

Drill Model/Mounting: Drillpower Jackro 350

Hole Angle: 90° Surface RL: 23.95 m AHD\*

Possing: Co. angle: F. 94414.51 N 63163.73 CCCC Critical Control of the Control of t

Borehole Diameter: 75 mm								Bearing: Co-ords: <b>E 81414.51 N 62162.72 GCCC Grid*</b>						
Borehole Information									Field Material D			iption		
1	2	3		4	5	6	7	8	9	1	10	11	12 or	13
МЕТНОВ	SUPPORT	WATER	RL(m) AHD*	DEPTH(m)	FIELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL FIELD DESCRIPTION	L	MOISTURE	RELATIVE DENSITY / CONSISTENCY	HAND PENETROMETER 75 (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)					
		T	-	m					REFER TO CORED BOREHOLE LOG	T				
TAGISMENT TO ENGINEERING DONATIONE FOO GON DONATIONES OF OLD FOR EACTOON OF THE SHAPE OF THE SHA			-13 -13 -12 -11 -10 -9 -8 -7 -7 -6	11- 12- 13- 14- 15- 16- 17- 18-	N-31									
The second of the second			- - - 5	19-										
			-			28	le le							
			- 4									11111		
	This borehole log should be read in conjunction with Parsons Brinckerhoff's accompanying standard notes.													



Project:

# CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

UBH03

SHEET 3 OF 4

10/2/10

11/2/10

NG

m

Client: Department of Transport and Main Roads

**Gold Coast Rapid Transit** 

Proposed University Hospital Station, Parklands Drive, Ch. 19390.5 Borehole Location:

2161016A Project Number:

**Drillpower Jackro 350** 

Hole Angle: 90° Surface RL:

23.95 m AHD\*

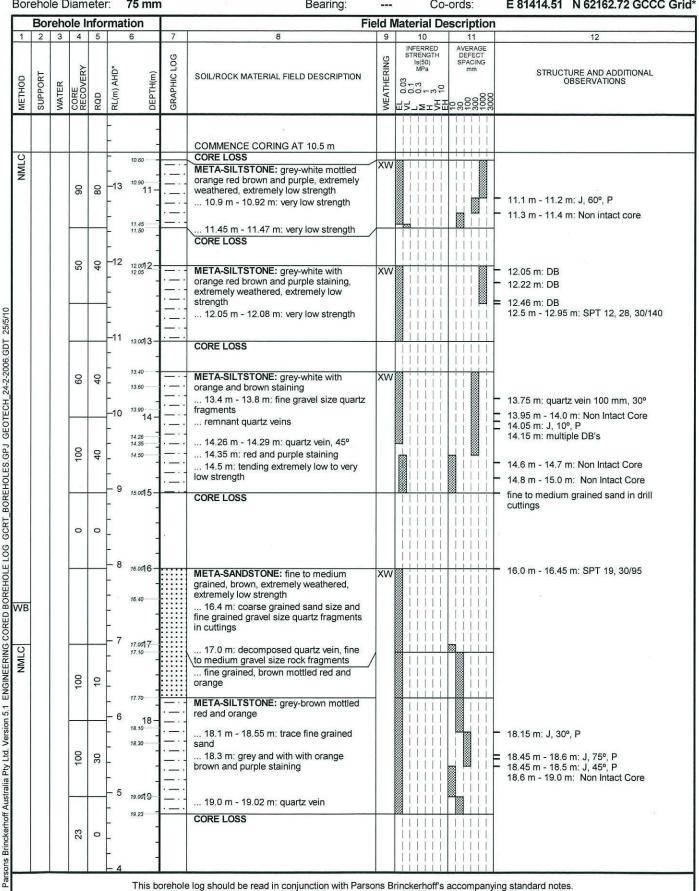
Date Commenced:

Date Completed:

Log Checked By:

Recorded By:

Drill Model/Mounting: Borehole Diameter: 75 mm Bearing: Co-ords: E 81414.51 N 62162.72 GCCC Grid\*





# CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

**UBH03** 

SHEET 4 OF 4

Client: Department of Transport and Main Roads Project:

**Gold Coast Rapid Transit** 

Proposed University Hospital Station, Parklands Drive, Ch: 19390.5

Date Commenced: Date Completed:

10/2/10 11/2/10

Borehole Location: Project Number:

2161016A

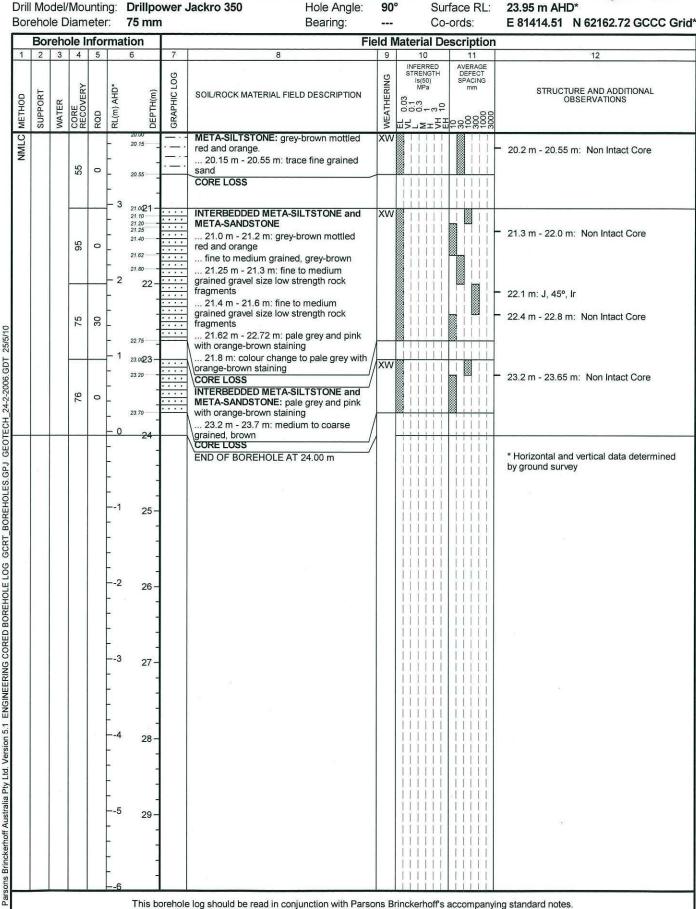
Recorded By: Log Checked By: NG

Drill Model/Mounting:

**Drillpower Jackro 350** 

90°

Surface RL:



# REPORT OF PHOTOGRAPHS



Borehole number:

**UBH03** 

of

Department of Client:

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:

Sheet

Hydrapower Scout

Borehole location: Project number:

Ch: 19440 2161016A

Hole angle: Bearing:

90°

Drill model/mounting: Borehole diameter:

75 mm





