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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010
 BOREHOLE No
 _____BH22____

 SHEET
 __1___of __2___

 REFERENCE No
 _____H11033____

PROJECT											
LOCATION	<u>Rothv</u>	<u>well Stat</u>	<u>tion,</u>	<u>Ch.9040 </u>					COC	ORDINATES <u>504770.2 E; 6988776</u>	<u>.3 N</u>
PROJECT No		<u>21</u>		SURFACE R.L. <u>2.10m</u> PLUNGE			DATE ST	ARTED	17/5/1	1 GRID DATUM MGA94 Zone	<u> 56 </u>
JOB No	250/1	20/3		HEIGHT DATUM <u>AHD</u> BEARING			DATE COMP	LETED	17/5/1	1 DRILLER <u>R&D Drilling</u> I	Pty Ltd
R.L. (m) HLd 30 0 2.10	AUGER CASING OTHER CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	гітногоду	USC WEATHERING	INTACT STRENGTH S	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
				Silty CLAY Red grey, moist, stiff.					-	Non-destructive drilling up to 1.5m — depth. Based on Driller's logs only	-
- 0.60			A	Sandy CLAY (Residual) Mottled grey brown, moist, stiff to hard. Medium to high plasticity. Sand fraction is fine to medium grained.							U50 -
			В	Contains iron stained nodules throughout.		(CH)				2,4,6 N=10; LL-82%, PI=51%, LS=20+	SPT
-4			С	Becoming hard below 4.0m.						16,19,27 N=46	SPT
- 5		(0)	D	SANDSTONE Fine to medium grained, massive, poorly cemented sedimentary rock comprising mainly sand-sized particles HW:White and yellow brown scattered,						20,28,30/90mm N>50	SPT
		(0)		fine to medium grained, moist, hard, sandy clay. Becoming grey and yellow brown iron stained, fine grained, massive, low strength. Defects: Nil.		HW					-
7 8 		<u>100</u> (0) 100									
				Interbedded SANDSTONE and MUDSTONE MW:Grey and yellow brown, dark grey bands, fine grained, laminated, mainly low strength. Moderately discoloured.		нw мw		· · · · · · · · · · · · · · · · · · ·		- HW band	
remarks	S	100								LOGGED BY BW / SG	

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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE N	o <u>BH22</u>
SHEET	<u>2</u> of <u>2</u>
REFERENCE	No <u>H11033</u>

PROJECT Moreton Bay Rail Link COORDINATES <u>504770.2</u> E; 6988776.3 N I OCATION Rothwell Station, Ch.9040 ____ PROJECT No_FG5921____ DATE STARTED 17/5/11 GRID DATUM MGA94 Zone 56 SURFACE R.L. <u>2.10m</u> PLUNGE ____ DATE COMPLETED <u>17/5/11</u> JOB No 250/120/3 ____ HEIGHT DATUM _AHD ___ BEARING _____ DRILLER R&D Drilling Pty Ltd R.L. RQD INTACT DEFECT DNG. ADDITIONAL DATA ()% STRENGTH SPACING (m) 90 Š DEPTH (m) MATERIAL (mm) THERIN RIL LITHOLOGY AND GRAPHIC ß SAMPLE DESCRIPTION CORE CORE USC EL 2000 2000 2000 2000 TESTS SAMPL CORE TEST RESULTS REC % 10 1111 1.1.1 (50) Interbedded SANDSTONE and MUDSTONE MW: (Cont'd) Defects: - Drilling-induced lamination partings @ 5-10° (2-3/m) MW - Joints @ 2Ó°-45° (1-2/m) − J @ 45°, Pl, S, Sn − J @ 20°, Pl, Sn Defect surfaces are close to medium Is(50) = 0.62MPa х 100 spaced, planar, smooth and slightly rough, closed, clay infilled or iron stained. Is(50) = 0.69MPa 0 -9.80 - 12 MUDSTONE SW: Dark grey brown, bedded and laminated, medium strength. ls(50) = 0.44MPa х ls(50) = 0.39MPa 0 FG5921 MORETON BAY RAIL LINK.GPJ <<DrawingFile>> Datgel CPT Tool gINt Add-In 06/10/2011 14:45 Contains thin bands of fine grained sandstone in parts. 100 13 Defects: Generally rare or nil. Poorly fractured rock bedding, SW subhorizontal with some cross bedding present. ls(50) = 0.36MPa ls(50) = 0.57MPa х 0 14 -12.40 100 Borehole terminated at 14.5m 15 16 LIE OFAGLIE LOB A ENGINEERING BOREHOLE LOG WLTHOLOGY DMR 20 LOGGED BY REMARKS_ BW/SG

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Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	17/05/11
Borehole No	BH 2 2	TMR H No	11033
Location	Rothwell Station	Start Depth (m)	5.50
Detail		Finish Depth (m)	14.50
Chainage	Approx	Submitted By	BW
Remarks			



 CORE PHOTO LOG
 GEOT043/1

 DEPARTMENT OF TRANSPORT & MAIN ROADS
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