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ENGINEERING BOREHOLE LOG

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

BOREHOLE No	<u>BH57</u>
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	<u>H11096</u>

PROJECT Moreton Bay Rail Link LOCATION Cut 6, Ch.6500 COORDINATES 503116.0 E; 6986909.2 N
 PROJECT No FG5921 SURFACE R.L. 25.40m PLUNGE _____ DATE STARTED 20/7/11 GRID DATUM MGA94 Zone 56
 JOB No 250/120/3 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 20/7/11 DRILLER R&D Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
										EH	VH	TH	WH	JL	VL					
0	25.40					Clayey SAND (Uncontrolled Fill) Dark grey to black, moist, mainly loose to medium dense. Sand fraction is fine to medium grained. Becoming red brown below 3m. Occasional subangular quartzitic gravel sizing <40mm; red iron staining in parts.														
1					A													5,5,5 N=10	SPT	
2					B													1,0,2 N=2	SPT	
3					C													2,1,5 N=6	SPT	
4					D													6,13,9 N=22	SPT	
5	20.70				E	SANDSTONE Medium to coarse grained, massive, poorly cemented sedimentary rock mainly comprising sand-sized particles XW: Generally exhibits engineering properties of mottled red yellow, moist, medium to coarse grained, medium dense silty sand.												2,10,14 N=24	SPT	
6	19.30				F	Contains minor clay fraction and red iron staining throughout; minor traces of gravel <10mm.												30/90 N>30	SPT	
7			(0)			HW: Yellow red with grey bands, massive, fine to coarse grained, very low to mainly low strength. Contains bands of quartzitic feldspathic sandstone below 8m, approx. 400mm thick. Defects: Generally nil or rare. - Drilling-induced irregular fractures @ 5-10° (1/m) Defect surfaces are mainly widely spaced, irregular, rough, open and closed, iron stained.														
8			100	(0)																
9			100	(33)																
10	15.40																			

REMARKS _____

LOGGED BY
BW



ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH57
SHEET 2 of 2
REFERENCE No H11096

PROJECT Moreton Bay Rail Link
LOCATION Cut 6, Ch.6500 COORDINATES 503116.0 E; 6986909.2 N
PROJECT No FG5921 SURFACE R.L. 25.40m PLUNGE DATE STARTED 20/7/11 GRID DATUM MGA94 Zone 56
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DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	HM	JL	VL				
10	15.40					SILTSTONE Fine grained sedimentary rock mainly comprising silt-sized particles HW: Grey, fine grained, massive, very low strength.											
11			100 (13)			Contains extremely low strength silty clay (XW) bands approx. 300mm thick. Defects: Nil.		HW						XW silty CLy			
12	13.40		100 (38)			SANDSTONE HW: Grey yellow with red bands, medium to coarse grained, massive to slightly laminated, very low to low strength. Contains iron stained bands throughout.											
13			100 (40)			Defects: Generally nil or rare. - Drilling-induced fractures @ 5-10° (2/m) - Joint @ 15° (1/m)											
14			100 (0)			Defect surfaces are close to medium spaced, irregular, slightly rough, open and closed, clay infill or iron stained.								Coarse grained SSt			
15								HW									
16			100 (10)											Jt, 15°, CLy			
17																	
18	7.60					Borehole terminated at 17.8m											
19																	
20																	

REMARKS _____

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Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	20/07/11
Borehole No	BH 57	TMR H No	
Location	Cut	Start Depth (m)	6.50
Detail	Cut	Finish Depth (m)	17.80
Chainage	6535	Submitted By	BW
Remarks			



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Detail	Cut	Finish Depth (m)	17.80
Chainage	6535	Submitted By	BW
Remarks			



SCALE 1:5