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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH58
SHEET 1 of 2
REFERENCE No H11097

PROJECT Moreton Bay Rail Link
LOCATION Salt Water Creek Rail Bridge, Abutment B, Bridge 11, Ch.7500 COORDINATES 503592.1 E; 6987773.5 N
PROJECT No FG5921 SURFACE R.L. 2.00m PLUNGE _____ DATE STARTED 18/7/11 GRID DATUM MGA94 Zone 56
JOB No 250/120/3 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 18/7/11 DRILLER R&D Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	2.00		CORE REC %										
1				A	Silty CLAY (Alluvial) Grey brown, moist, soft to firm. High plasticity. Organic contents and plant materials.	(CH)						Based on Driller's logs only	1,2,2 N=4 SPT
2	0.00			B	Sandy CLAY (Residual) Yellow brown grey, moist, stiff to very stiff. Medium plasticity.								4,4,6 N=10 SPT
3				C	Contains iron concretionary nodules in parts.	(CI)							4,8,22 N=30 SPT
4	-2.00			D	Feldspathic SANDSTONE Fine to medium grained, massive, poorly cemented sedimentary rock mainly comprising sand-sized particles HW: Grey yellow and red brown, fine to medium grained, massive with slightly laminated, very low to low strength.								9,15,30 N=45 SPT
5			(80)		Contains subangular quartzitic fragments and iron stained in parts.								
6			100 (100)		Defects: - Drilling-induced irregular fracture @ 5° (1/m) - Joints @ 20-30° (1-2/m)	HW							
7					Defect surfaces are medium to wide spaced, irregular, slightly rough, closed, clay infilled or minor iron stained.							DD = 1.96t/m ³ ; WD = 2.22t/m ³ ; MC = 13%; UCS = 0.24MPa	UCS
8	-6.00		100 (100)		MW: Yellow brown-grey, fine to coarse grained, massive with laminated, low strength.								
9					Coarse grained sandstone at base.	MW							
10			100 (75)		Defects: As above.								
					(See over)								

REMARKS _____

LOGGED BY
BW



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REMARKS _____

LOGGED BY
BW

Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	18/07/11
Borehole No	BH 58	TMR H No	
Location	Saltwater Creek Rail Bridge	Start Depth (m)	5.00
Detail	Abutment A Structure	Finish Depth (m)	14.00
Chainage	7500	Submitted By	BW
Remarks			

