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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH08  
SHEET 1 of 2  
REFERENCE No H11018

PROJECT Moreton Bay Rail Link  
LOCATION Murrumba Downs Station, Ch.4060 COORDINATES 501181.5 E; 6985620.4 N  
PROJECT No FG5921 SURFACE R.L. 15.00m PLUNGE \_\_\_\_\_ DATE STARTED 13/5/11 GRID DATUM MGA94 Zone 56  
JOB No 250/120/3 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 13/5/11 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	15.00		CORE REC %										
1	14.00			A	<b>Silty CLAY (Topsoil)</b> Red, moist, stiff.  Low plasticity; iron concretions.							Based on Driller's logs	
2				B	<b>Silty CLAY (RESIDUAL)</b> Mottled dark red to grey, stiff to mainly very stiff.  Low to medium plasticity.	(Cl-CL)							3,6,8 N=14 SPT
3				C	Becoming grey below 3m; iron concretions in parts; occasional gravel.								6,8,10 N=18 SPT
4	11.00			D	<b>CLAYSTONE</b> <b>Fine grained sedimentary rock mainly comprised of clay-sized particles</b> <b>XW:</b> Generally exhibits engineering properties of light grey, moist, hard, silty clay.							Blue rock fragments	7,11,17 N=28 SPT
5					Medium plasticity.							Gravelly CLy	7,30,20 N=50 SPT
6					Subangular quartzitic rock fragments sizing <40mm.							Possible XW CLystone	
7			43		Relict rock fabric structure visible throughout; minor iron staining in parts.							Due to continuous core loss, SPT test conducted to confirm rock type.	
8			0	E		XW							8,15,24 N=39 SPT
9				F									5,17,25 N=42 SPT
10				G									7,13,18 N=31 SPT
					(See over)								

REMARKS \_\_\_\_\_

LOGGED BY  
BW / LVD



<b>Project Name</b>	<b>Moreton Bay Rail Link (MBRL)</b>		
<b>Project No</b>	FG5921	<b>Date</b>	13/05/11
<b>Borehole No</b>	BH 8	<b>TMR H No</b>	11018
<b>Location</b>	Embankment	<b>Start Depth (m)</b>	12.50
<b>Detail</b>		<b>Finish Depth (m)</b>	17.35
<b>Chainage</b>	4067.50 Approx	<b>Submitted By</b>	BW
<b>Remarks</b>			

