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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
 \_\_\_\_\_

BW / LVD

PROJECT		_	_	ton Bay									
LOCATION	_	<u>Mu</u>	<u>rru</u>	<u>imba D</u>	<u>own</u>	<u>s Station, Ch.4060</u>					CC	ORDINATES <u>501181.5 E; 6985620</u>	0.4 <u>N</u>
PROJECT N	lo_l	G	<u>59</u>	21		SURFACE R.L. <u>15.00m</u> PLUNGE _			DATE S	TARTED	13/5/	11 GRID DATUM MGA94 Zon	<u>e 56</u>
JOB No	_	250	<u>)/1</u>	20/3		HEIGHT DATUM <u>AHD</u> BEARING _			DATE COM	IPLETED	13/5/	11 DRILLER <u>R&amp;D Drilling</u>	Pty Ltd
(m) (m) HLd 30 0 15.00		ASING ASH BORING		RQD ( )% CORE	SAMPLE	MATERIAL DESCRIPTION	ГІТНОГОСУ	USC	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0 15.00	)∀( 	ວ≤ 		REC %	S.	Silty CLAY (Topsoil)		> >			0		
	<u>)</u>					Red, moist, stiff.						— Based on Driller's logs	
					A	Silty CLAY (RESIDUAL) Mottled dark red to grey, stiff to mainly very stiff. Low to medium plasticity.						3,6,8 N=14	SPT
					в	Becoming grey below 3m; iron concretions in parts; occasional gravel.		(CI- CL)				6,8,10 N=18	SPT
					С							7,11,17 N=28	
												Blue rock fragments	
					D	CLAYSTONE Fine grained sedimentary rock mainly comprised of clay-sized particles XW: Generally exhibits engineering						7,30,20 Gravelly CLy N=50	SPT
						properties of light grey, moist, hard, silty clay. Medium plasticity. Subangular quartzitic rock fragments sizing <40mm. Relict rock fabric structure visible						Possible XW CLystone	
				43		throughout; minor iron staining in parts.						Due to continuous core loss, SPT test conducted to confirm rock type.	
				0	E			xw				8,15,24 N=39	SPT
					F							5,17,25 N=42	SPT
					G							7,13,18 N=31	
						(See over)							
F <u>[10]</u> REMAR	 (S				I		1	1	I	L	1	LOGGED BY	

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REMARKS\_

## ENGINEERING **BOREHOLE LOG**

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

\_\_<u>BH08</u>\_\_ BOREHOLE No <u>2</u> of <u>2</u> SHEET **REFERENCE No** <u>\_\_\_\_\_H11018\_\_\_</u>

BW / LVD

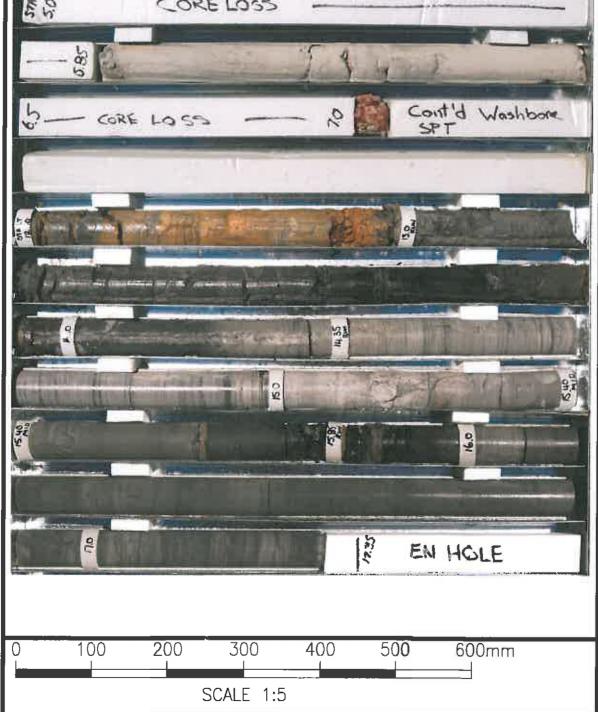
PROJECT	<u>Moreton Bay Rai</u>				
		s <u>Station</u> , <u>Ch.4060</u>		ORDINATES 501181.5 E; 6985620.4 N	
			DATE STARTED <u>13/5/11</u> GRID DATUM <u>MGA94 Zor</u>		
JOB No			DATE COMPLETED <u>13/5/11</u> DRILLER <u>R&amp;D Drilling</u>	g <u>Pty Ltd</u>	
(E) R.L. (M) HLA HC HC HC HC HC HC HC HC HC HC HC HC HC	ANDER ANDER ASHNG ASHNG ASHNG CORE DANNA CORE DANNA CORE DANNA CORE DANNA CORE DANNA CORE DANNA CORE CORE CORE CORE CORE CORE CORE CORE	MATERIAL DESCRIPTION	INTACT     DEFECT       STRENGTH     SPACING       (mm)     01       ADDITIONAL DATA       (mm)       01       AND       0000000	SAMPLES	
	н	CLAYSTONE XW: (Cont'd) Becoming dark brown with depth.	11,26,30/100mn N>5		
- 12 - 12 - 2.50		Grading into low strength rock with depth.	XW 30/100mm N>50		
2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	(0) 100 (24)	HW: Black to yellow, bedded, poorly cemented, laminated and fractured, low strength. Defects: - Drilling-induced lamination partings @ 5° (4-5/m) - Joint @ 10° - Joint @ 80°			
IC) legitad IC) l	100 (57)	Defect surfaces are generally very close to closely spaced, planar, smooth, open and closed, clay infill or iron stained. SILTSTONE Fine grained sedimentary rock mainly	Is(50) = 2.31MP Is(50) = 1.43MP	a o	
A A B A A A A A A A A A A A A A A A A A	100	<ul> <li>comprising of silt-sized particles</li> <li>SW: Grey, fine grained, laminated, medium to mainly high strength.</li> <li>15.8m: Contains a band of black carbonaceous material.</li> </ul>	SW		
- 16	(98)	Defects: - Lamination partings @ 5-7° (4-5/m) - Joint @ 10° (2-3/m) - Joint @ 75° (1-2/m)	Is(50) = 0.74MP Is(50) = 1.07MP	a o	
	100	Defect surfaces are mainly wide spaced, planar, slightly rough, closed, with clay infill.	Is(50) = 1.18MP Is(50) = 1.77MP Is(50) = 1.22MP	a o	
ацъ. Divis ulla organizatione вокеноне сторок и соват можетом 		Borehole terminated at 17.35m			

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Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	13/05/11
Borehole No	BH 8	TMR H No	11018
Location	Embankment	Start Depth (m)	12.50
Detail		Finish Depth (m)	17.35
Chainage	4067.50 Approx	Submitted By	BW
Remarks		·	
S:0	CORE LOSS		
	A COLOR OF THE REAL PROPERTY O	and the second se	No. of Concession, name



CORE PHOTO LOG DEPARTMENT OF TRANSPORT & MAIN ROADS Geotechnical Branch 35 Butterfield Street, HERSTON QId 4006 GEOT043/1

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