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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH27  
SHEET 1 of 2  
REFERENCE No H11037

PROJECT Moreton Bay Rail Link  
LOCATION Cut and Fill, Ch.9800 COORDINATES 505471.1 E; 6989020.0 N  
PROJECT No FG5921 SURFACE R.L. 5.20m PLUNGE \_\_\_\_\_ DATE STARTED 30/6/11 GRID DATUM MGA94 Zone 56  
JOB No 250/120/3 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 30/6/11 DRILLER R&D Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER	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	IN	N	J	VL	EL	20	60	200				600
0	5.20					<b>Clayey SAND (Topsoil)</b> Brown, moist, soft.  Weathered rock fragments; plant material.																Based on Driller's logs only	
1	4.20				A	<b>Sandy CLAY (Residual)</b> Grey white, moist, mainly stiff to very stiff.  Low plasticity.  Sand fraction is fine to medium grained; iron concretionary nodules in parts.	(CI)															3,4,6 N=10	SPT
2				B	Minor traces of decomposed carbonaceous material in parts.  Becoming very stiff below 4m depth.	3,5,7 N=12																SPT	
3				C		3,5,7 N=12																SPT	
4				D		6,6,13 N=19																SPT	
5	0.75				E	<b>Feldspathic SANDSTONE</b> Fine to medium grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles <b>XW:</b> Generally exhibits engineering properties of white grey and yellow brown, moist, fine to medium grained, medium dense to very dense silty sand.  Becoming yellow below 8m depth.	XW														3,3,10 N=13	SPT	
6				F	Relict rock fabric structure visible.	3,2,4 N=6															SPT		
7				G		3,4,7 N=11															SPT		
8				H		8,13,22 N=35															SPT		
9					J																18,32/150mm N>50	SPT	

REMARKS \_\_\_\_\_

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			CORE REC %										
10	-4.80												
	-4.95			K			XW					50/150mm	SPT
					Borehole terminated at 10.15m							N>50	
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

REMARKS \_\_\_\_\_

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