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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH50  
SHEET 1 of 2  
REFERENCE No H11089

PROJECT Moreton Bay Rail Link  
LOCATION Ch.3100 on Centreline, Cut 3 COORDINATES 500292.5 E; 6985249.2 N  
PROJECT No FG5921 SURFACE R.L. 20.30m PLUNGE \_\_\_\_\_ DATE STARTED 1/7/11 GRID DATUM MGA94 Zone 56  
JOB No 250/120/3 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 1/7/11 DRILLER R&D Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING OTHER WASH BORING	RQD ( ) %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	20.30													
1					A	<b>Silty CLAY (Alluvial)</b> Mottled yellow red, moist, soft to firm.  Medium plasticity; iron staining in parts.	(Cl)						Non-destructive drilling up to 1.5m. Based on Driller's logs only  DD = 1.70t/m <sup>3</sup> ; WD = 2.00t/m <sup>3</sup> ; MC = 19.6%; LL=49%, PI=31%, LS=14+	U50
2	18.30				B	<b>Silty CLAY (Residual)</b> Mottled yellow brown, moist, stiff.  Medium plasticity.  Contains iron staining throughout.	(Cl)						2,3,4 N=7	SPT
3					C								4,6,7 N=13	SPT
4	16.80				D	<b>Conglomeritic SANDSTONE</b> Fine to coarse grained, massive, poorly cemented, sedimentary rock mainly comprising of sand sized particles <b>XW:</b> Generally exhibits engineering properties of grey, moist, medium to coarse grained, dense to very dense, clayey sand.  Contains subangular high strength quartzitic gravel sizing <20mm.	XW						8,10,20 N=30	SPT
5					E								14,18,30 N=48	SPT
6	14.80				F	<b>CLAYSTONE</b> Fine grained sedimentary rock mainly comprising clay-sized particles <b>XW:</b> Generally exhibits engineering properties of mottled red brown and grey, moist, mainly very stiff silty clay.  Medium plasticity.							9,9,14 N=23	SPT
7					G	Relict rock fabric structure visible; iron staining throughout.  Contains ferruginous iron stained concretionary nodules below 6m.							7,8,14 N=22	SPT
8					H	Becoming grey between 8.0-9.5m depth.  Mottled red brown below 10m.	XW						6,11,18 N=29	SPT
9					J								6,9,15 N=24	SPT
10						(See over)								

REMARKS \_\_\_\_\_

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10	10.30													
	9.85				K	CLAYSTONE XW: (Cont'd)		XW					7,7,7 N=14	SPT
						Borehole terminated at 10.45m								
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

REMARKS       
    

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