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ENGINEERING BOREHOLE LOG

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

BOREHOLE No	<u> BH28 </u>
SHEET	<u> 1 </u> of <u> 2 </u>
REFERENCE No	<u> H11038 </u>

PROJECT Moreton Bay Rail Link
 LOCATION At CPTu28, Fill 18, Ch.10500 COORDINATES 506068.4 E; 6989044.5 N
 PROJECT No FG5921 SURFACE R.L. 1.90m PLUNGE DATE STARTED 23/6/11 GRID DATUM MGA94 Zone 56
 JOB No 250/120/3 HEIGHT DATUM AHD BEARING DATE COMPLETED 23/6/11 DRILLER R&D Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING 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
									EH	VH	VI	IV	II	I				
0	1.90					Silty CLAY (Estuarine) Dark grey to black, moist, soft to firm. High plasticity; high organic content; minor secondary yellow mineralisation in parts.										Based on Driller's logs only		
1					A											DD = 2.30t/m ³ ; WD = 3.80t/m ³ ; MC = 61%; LL-79%, PI=47%, LS=20+	U100	
2					B		(CH/OH)									DD = 1.00t/m ³ ; WD = 1.60t/m ³ ; MC = 64.8%	U100	
					C											19,4; Su (kPa) =65-13.6	FSV	
3					D											DD = 1.30t/m ³ ; WD = 1.80t/m ³ ; MC = 40%; LL-62%, PI=41%, LS=18+	U100	
					E											31,5; Su (kPa) =105-16	FSV	
					F											1,1,3 N=4	SPT	
	-2.60					Silty CLAY (Alluvial) Grey, moist, mainly soft to firm. High plasticity. Becoming sandy clay below 5m; minor traces of gravel at 6m.											3,4,3 N=7	SPT
5					G		(CH)											
					H											4,7,11 N=18; Sampled pulled out	SPT	
	-4.80					SANDSTONE Fine to medium grained, massive, though also moderately laminated to well cemented sedimentary rock comprising sand-sized particles XW: Generally exhibits engineering properties of pale grey red, moist, very stiff sandy clay / sandy silt.											3,6,17 N=23	SPT
7					J													
					K	Minor traces of black carbonaceous materials. Relict rock fabric structure visible; ferruginous iron stained bands in parts.	XW										5,9,11 N=20	SPT
					L	Soft clay bands below 8.5m depth.											6,9,14 N=23	SPT
10																		

REMARKS _____

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BOREHOLE No BH28
 SHEET 2 of 2
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DEPTH (m)	R.L. (m)	AUGER CASING 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
10	-8.10				M	Borehole terminated at 10.13m							30/130mm	SPT
	-8.23												N>50	
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

REMARKS _____

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