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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH32
SHEET 1 of 1
REFERENCE No H11081

PROJECT Moreton Bay Rail Link
LOCATION Fill 18, Ch. 10800 COORDINATES 506456.7 E; 6988965.1 N
PROJECT No FG5921 SURFACE R.L. 1.70m PLUNGE DATE STARTED 24/6/11 GRID DATUM MGA94 Zone 56
JOB No 250/120/3 HEIGHT DATUM AHD BEARING DATE COMPLETED 24/6/11 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
0	1.70														
1					A	Silty CLAY (Alluvial) Mottled yellow grey, moist, very soft to soft. High plasticity; high organic content. Yellow mottled (secondary minerals) throughout.							Based on Driller's logs only DD = 1.10t/m ³ ; WD = 1.60t/m ³ ; MC = 47.6%; LL-69%; PI=40%; LS=16+	U100	
2					B		(CH/OH)						DD = 0.70t/m ³ ; WD = 1.40t/m ³ ; MC = 89.8%; LL-75%; PI=43%; LS=18+	U100	
3													No recovery	U100	
4	-1.80				D	Sandy Silty CLAY (Alluvial) Pale grey, moist, soft. Medium to high plasticity. Sand fraction is fine grained.	(CI-CH)						1,1,2 N=3	SPT	
5	-2.80				E	Silty SAND (Alluvial) Mottled grey to red brown, moist, fine grained, medium dense. Iron staining; minor clay fraction throughout. Becoming very stiff @ 5.5m.	(SP-SM)						7,13,13 N=26	SPT	
6	-4.30				F								6,9,9 N=18	SPT	
7					G	MUDSTONE Fine grained, thinly laminated, sedimentary rock comprising mainly clay-sized particles XW: Generally exhibits engineering properties of dark grey, moist, mainly stiff, silty clay. High plasticity; minor iron staining; slickensided texture in parts.	XW						3,5,6 N=11	SPT	
8	-5.80				H	SILTSTONE Fine grained sedimentary rock comprising mainly silt-sized particles XW: Generally exhibits engineering properties of grey, moist, stiff, sandy clayey silt.							3,5,9 N=14	SPT	
9	-7.80				J		XW						Auger only - no water available for washboring 3,5,7 N=12	SPT	
10	-8.25				K	Silty SAND Brown, moist to wet, very loose.							Washable sand; contains minor clay fraction in parts. RW,HW,3 N=3	SPT	

REMARKS

Borehole terminated at 9.95m

LOGGED BY
BW