ENGINEERING BORELOG

Main Roads

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 107
SHEET : 1 OF 3
REFERENCE No : H8633

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46834.180E 34352.820N
PROJECT No : C60323 SURFACE R.L. : 1.72 DRILLER : R & D Drilling
JOB No : DATUM : AHD DATE DRILLED : 12/11/99

DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH EH VH H M L VL	DEFECT SPACING (mm) 20 60 200 600 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	1.72												
	1.22				**GRAVELLY FILL** Rock fragments sized up to 100mm.						12/11/99		
1						GC					Driller's log only.		
	-0.28												
2					**ESTUARINE SILTY CLAY.** Dark grey, moist to wet, moderately sensitive to sensitive, very soft to soft becoming firm towards bottom. High organic content; high plasticity; frequent decomposed plane materials and fine silty sand interbeds/interlayers.						Peak=19.99kPa Res= 1.82kPa		FSV
3											Peak=15.45kPa Res= 2.73kPa		FSV
											Peak=14.64kPa Res= 3.64kPa		FSV
4											Peak=19.99kPa Res= 4.54kPa		FSV
						OH					Peak=19.99kPa Res= 4.54kPa		FSV
5											Peak=24.17kPa Res= 5.45kPa		FSV
											Peak=18.40kPa Res= 6.13kPa		FSV
6											Peak=30.67kPa Res= 6.13kPa		FSV
											Peak=24.54kPa Res= 6.13kPa		FSV
7	-5.28										Peak=49.07kPa Res=18.40kPa		FSV
					ESTUARINE SILTY SAND Dark grey, moist to wet, loose to medium dense. Fine grained sand; high content of partly decomposed shell fragments.	SM					Peak=52.14kPa Res=12.27kPa		FSV
8	-6.28										Peak=27.60kPa Res= 9.20kPa		FSV
					ESTUARINE SILTY CLAY Dark grey, moist, mainly moderatly sensitive to sensitive, firm becoming stiff towards bottom.						Peak=33.74kPa Res= 9.20kPa		FSV
9						OH					Peak=27.60kPa Res= 7.67kPa		FSV
											Peak=39.87kPa Res= 9.20kPa		FSV
10	-8.28										Peak=55.21kPa Res=10.73kPa		FSV

REMARKS :

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BK/BTGC

ENGINEERING BORELOG

Main Roads

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 107
SHEET : 2 OF 3
REFERENCE No : H8633

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46834.180E 34352.820N
PROJECT No : C60323 SURFACE R.L. : 1.72 DRILLER : R & D Drilling
JOB No : DATUM : AHD DATE DRILLED : 12/11/99

DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH EH VH H M L VL	DEFECT SPACING (mm) 20 60 200 600 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
10	1.72				**ESTUARINE SILTY CLAY** (As above).	OH					Driller's log only.		
-11.78					**ALLUVIAL SILTY CLAY** Pale green, orange brown to mottled, moist to dry, stiff to very stiff. Frequent mottled and slightly concreted zones; occasiaonl completely decomposed plant roots on top; low plasticity. Appears to have been aerially oxidised, desiccated and hardened in most places.	VL					Driller's log only.		
-15.78					**SANDSTONE** FINE GRAINED, LAMINATED TO MASSIVE SEDIMENTARY ROCK. MW : Laminated to massive, fine grained, low to medium strength, carbonaceous. Defects-Lamination partings-<25 deg(3/m) Joints - 25 (3/m) and 40 (2/m).						Is(50)=0.41MPa Is(50)=0.26MPa	x x	
-16.88			(90) 100		**INTERBEDDED SANDSTONE AND SILTSTONE** MW :Dark grey to brown, interbedded and laminated, medium strength.	MW					Low grade coal seam.		
-17.55					**MW SANDSTONE** Orange to grey orange, laminated, medium strength, carbonaceous.						Is(50)=0.90MPa Is(50)=0.33MPa Low grade coal seam.	o x	
-18.28													

REMARKS :

X - Diametrial point loads; O - Axial point loads

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ENGINEERING BORELOG

Main Roads

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 107
SHEET : 3 OF 3
REFERENCE No : H8633

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46834.180E 34352.820N
PROJECT No : C60323 SURFACE R.L. : 1.72 DRILLER : R & D Drilling
JOB No : DATUM : AHD DATE DRILLED : 12/11/99

DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
20	-18.28											
	-18.78		(75) 100		SILTSTONE Dark grey brown, low to medium strength. Defects:Lamination partings<30 deg(1/2m)		MW					
					END OF HOLE							
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

REMARKS :

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