ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 110
SHEET : 1 OF 3
REFERENCE No : H8636

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46895.400E 34448.000N
PROJECT No : C60323 SURFACE R.L. : 1.82 DRILLER : FOUNDRIL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 22/11/99

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	1.82												
	1.52				TOP SOIL						Driller's log only.		
1					**ESTUARINE SILTY CLAY** Dark grey, moist to wet, moderately sensitive to senstive, soft to mainly firm becoming stiff towrds bottom. High organic content; occasional silty sand layers/interbeds; high plasticity. partly decomposed plant matter and shell fragments towards bottom.								
2											Peak= 30.4kPa Res= 9.1 kPa		FSV
3											MC=70.8% WD=1.62; DD=0.94; LL=59.6% PI=29.0% LS=16.0% PP= 23.3 kPa C= 11.0kPa Q= 2.0 deg.		U50
4											Peak= 24.5kPa Res= 4.5 kPa		FSV
5						OH							
6											PP= 30.0 kPa		U50
7											Peak= 28.8kPa Res= 6.3 kPa		FSV
8													
9											MC=81.6% WD=1.52; DD=0.84; LL=74.6% PI=38.8% LS=19.0% PP= 66.7 kPa C= 48.0kPa Q= 2.0 deg.		U50
10	-7.98												

REMARKS :

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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 110
SHEET : 2 OF 3
REFERENCE No : H8636

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46895.400E 34448.000N
PROJECT No : C60323 SURFACE R.L. : 1.82 DRILLER : FOUNDRIL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 22/11/99

DEPTH (m)	R.L. (m)	DRILLING: AUGER / CORE / 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	-8.18				**ESTUARINE SILTY CLAY** (As above).						Peak= 48.6kPa Res= 12.2kPa	FSV
11						CH						
											PP= 63.3 kPa	U50
12	-10.68											
					ALLUVIAL SILTY CLAYS Grey green to pale mottled brown, stiff to very stiff becoming harder downwards. Partly fissured; pale yellow secondary mineralization along fissured planes. Appears to have been aerially oxidised, desiccated and hardened in most places.							
13											PP= 320 kPa	U50
14												
											4,6,7 N=13	SPT
15												
16						OL					3,5,6 N=11	SPT
17												
											4,6,7 N=13	SPT
18												
19											4,5,8 N=13	SPT
20												

REMARKS :

LOGGED BY
RM/DISS

ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 110
SHEET : 3 OF 3
REFERENCE No : H8636

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46895.400E 34448.000N
PROJECT No : C60323 SURFACE R.L. : 1.82 DRILLER : FOUNDRIL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 22/11/99

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	-18.18				RESIDUAL SILTY CLAY Pale grey to green, moist, very stiff to hard. Some relic rock structures.	RS					6,12,18 N=30		SPT
21	-19.68				SANDSTONE FINE TO MEDIUM GRAINED, LAMINATED SEDIMENTARY ROCK XW : Generally exhibits engineeering properties of pale brown to orange brown moist to dry, hard sandy silt.	XW					9,16,25 N=41		SPT
22													
23	-21.18				HW : Drillers log only.	HW							
24					MW : Pale grey brown to dark grey, fine to medium grained, low to medium strength with occasioanl high strength bands. Partly carbonaceous; frequent low grade coal seams.						Is(50)=0.28MPa Is(50)=0.58MPa		x x
25			(97) 100		Defects : Lamination partings <40 deg (4/m). Occasional subvertical >75 deg (1/3m).	MW							
26											Is(50)=0.59MPa		x
	-25.03		(60) 100										
27					END OF HOLE								
28													
29													
30													

REMARKS : X - Diametrial point loads.

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