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ENGINEERING BORELOG

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					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							EH	EV	H	M	VL				
0	1.72				GRAVELLY FILL Rock fragments sized up to 100mm.										
1	1.22					GC							12/11/99 Driller's log only.		
2	-0.28				ESTUARINE SILTY CLAY. Dark grey, moist to wet, moderately sensitive to sensitive, very soft to soft becoming firm towards bottom.								Peak=19.99kPa Res= 1.82kPa	FSV	
3					High organic content; high plasticity; frequent decomposed plane materials and fine silty sand interbeds/interlayers.								Peak=15.45kPa Res= 2.73kPa	FSV	
4						OH							Peak=14.54kPa Res= 3.64kPa	FSV	
5													Peak=19.99kPa Res= 4.54kPa	FSV	
6													Peak=19.99kPa Res= 4.54kPa	FSV	
7	-5.28				ESTUARINE SILTY SAND Dark grey, moist to wet, loose to medium dense.								Peak=24.17kPa Res= 5.45kPa	FSV	
8	-6.28				Fine grained sand; high content of partly decomposed shell fragments.								Peak=18.40kPa Res= 6.13kPa	FSV	
9					ESTUARINE SILTY CLAY Dark grey, moist, mainly moderately sensitive to sensitive, firm becoming stiff towards bottom.								Peak=30.67kPa Res= 6.13kPa	FSV	
10	-8.28					SM							Peak=24.54kPa Res= 6.13kPa	FSV	
													Peak=49.07kPa Res=14.40kPa	FSV	
													Peak=52.14kPa Res=12.27kPa	FSV	
													Peak=27.60kPa Res= 9.20kPa	FSV	
						OH							Peak=33.74kPa Res= 9.20kPa	FSV	
													Peak=27.50kPa Res= 7.57kPa	FSV	
													Peak=33.87kPa Res= 9.20kPa	FSV	
													Peak=55.21kPa Res=10.71kPa	FSV	

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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 CORE OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	WEATHERING				DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
						USC	EH	EV	HM				
10	1.72				ESTUARINE SILTY CLAY (As above).								
11						OH					Driller's log only.		
12													
13													
14	-11.79				ALLOUVIAL SILTY CLAY Pale green, orange brown to mottled, moist to dry, stiff to very stiff. Frequent mottled and slightly concreted zones; occasional completely decomposed plant roots on top; low plasticity. Appears to have been aeriially oxidised, desiccated and hardened in most places.							Driller's log only.	
15						OL							
16													
17													
18	-16.88				SANDSTONE FINE GRAINED, LAMINATED TO MASSIVE SEDI-MENTARY 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(150)=0.26MPa	x x	
19	-17.55		(90) 100		INTERBEDDED SANDSTONE AND SILTSTONE MW :Dark grey to brown, interbedded and laminated, medium strength.	MW					Low grade coal seam.		
20	-18.24				MW SANDSTONE Orange to grey orange, laminated, medium strength, carbonaceous.						Is(50)=0.90MPa Is(50)=0.33MPa	o x	
											Low grade coal seam.		

ENGINEERING BORELOG

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

REMARKS :

LOGGED BY
BW/DISS

BRISBANE PORT ROAD - STAGE 3

H8633
BH 107
1 OF 1

START 17.50
END 20.50
NOV 1999

C 60323

