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ENGINEERING BORELOG

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

BOREHOLE No : 106

SHEET : 1 OF 3

REFERENCE No : H8632

PROJECT : BRISBANE PORT ROAD STAGE 3
 LOCATION : 46803.400E 34297.900N
 PROJECT No : C60323 SURFACE R.L. : 3.97 DRILLER : Foundril
 JOB No : DATUM : AHD DATE DRILLED : 11/11/99

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CASING OTHER	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	3.97											
1					ROCKFILL Consisting gravel to boulder size particles in minor silt and clay matrix.							
2												
3	1.22					GC					11/11/99	
4	-0.03				ROCKFILL Gravel to cobble size particles embedded in estuarine silty clay. (POSSIBLE TRANSITION ZONE).						Driller's record only.	
5	-1.03				ESTUARINE SILTY CLAY Dark grey, moist to wet, very soft to mainly soft, sensitive to very sensitive Partly decomposed matter and shells throughout; high organic content; high plasticity.							
6											Peak= 20.7kPa Res= 3.3kPa	FSV
7												
8						OH					RW N<1	SPT
9											Peak= 31.5kPa Res= 3.3kPa	FSV
10												

REMARKS : LOGGED BY

PH/DISS

ENGINEERING BORELOG

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BOREHOLE No : 106

SHEET : 2 OF 3

REFERENCE No : H8632

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46803.400E 34297.900N
PROJECT No : C60323 SURFACE R.L. : 3.97 DRILLER : Foundril
JOB No : DATUM : AHD DATE DRILLED : 11/11/99

DEPTH (m)	R.L. (m)	ALGER 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
10	-6.03					ESTUARINE SILTY CLAY (as above)								
11												RW N<1		SPT
12												Peak= 39.6kPa Res= 5.1kPa		FSV
13	-9.03					Fine sand towards bottom.		OH						
14												RW N<1		SPT
15	-11.33													
16						ALLUVIAL SILTY CLAY Pale green to orange brown, moist to dry, stiff to very stiff.								
17								OL				Driller's record only.		
18														
19														
20	-16.03													

REMARKS : LOGGED BY

ENGINEERING BORELOG

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

BOREHOLE No : 106
SHEET : 3 OF 3
REFERENCE No : H8632

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46803.400E 34297.900N
PROJECT No : C60323 SURFACE R.L. : 3.97 DRILLER : Foundril
JOB No : DATUM : AHD DATE DRILLED : 11/11/99

DEPTH (m)	R.L. (m)	AUGER 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
20	-16.03											
21						SANDSTONE HW : Orange to pale brown, very low strength rock kernels in moist, hard, sandy silty matrix.					Driller's record only.	
22							HW					
23												
	-19.33											
	-19.63		(100)	100		SANDSTONE - Pale orange brown, medium to coarse grained-massive, high-strength.	MW				Is (50) = 1.30 MPa Is (50) = 1.56 MPa	X
24						SILTSTONE FINE GRAINED LAMINATED SEDIMENTARY ROCK						
						SW : Dark grey to blue grey fine grained thinly laminated, mainly medium to high strength with occasional very high strength bands.					Is (50) = 0.35 MPa	O
25						Occasional sandstone interbeds.	SW				Is (50) = 0.30 MPa	O
						Defects - Laminating partings <15deg (3-4/m) Joint - >80 deg (2/m) Joint - 70 deg (1/m)					Is (50) = 0.76 MPa Is (50) = 1.51 MPa Is (50) = 2.00 MPa	X X O
26			(90)	100		Defects are generally smooth, planar and clean with no ironstaining and clay infills.						
	-22.33											
						END OF HOLE						
27												
28												
29												
30												

REMARKS : O - Axial point load; X - Diametrical point load.

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BH/DISS

BRISBANE PORT ROAD - STAGE 3

C60323

START 23.30
END 26.30
NOV 1999

H8632

BH 106

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