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ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/2-2004

BOREHOLE No BH119

SHEET 1 of 2

REFERENCE No H9428

PROJECT GATEWAY UPGRADE PROJECT GEOTECHNICAL INVESTIGATION - NORTHERN SECTION

LOCATION CONTROL LINE: MCAO - Ch. 21838.2 - OFFSET 42.4 R COORDINATES 9239.9 E; 172148.2 N

PROJECT No FM2055 SURFACE R.L. 0.90 DATE STARTED 8/7/04 DATUM SETP

JOB No DATUM AHD DATE COMPLETED 8/7/04 DRILLER R & D Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								USC	WEATHERING	EH	VI	MI	VL	EL		
0	0.90					GRAVELLY SILTY CLAY - FILL Mottled grey brown, moist, firm to stiff silty clay comprising sandstone fragments.	CL									5,4,4 N=8
	0.40					ESTUARINE WEATHERED OC CRUST Grey brown to mottled brown, moist, soft to firm. Frquent live roots; minor organic content.	OL								MC=28.8%, WD=1.94t/m ³ , DD=1.50t/m ³	U50
1																1,2,1 N=3
	-0.85					ESTUARINE SILTY CLAY Dark grey to mottled brown, moist, mainly soft to firm, extra sensitive. Minor sand fractions (<5%); high plasticity.	OH								Peak Su >30.0kPa	FSV
2															Peak Su=35.2kPa, Res Su=3.2kPa	FSV
3	-2.29					ESTUARINE SILTY SAND Dark grey to grey moist, loose. Medium to coarse grained sand; becoming clayey with depth.	SM								MC=35.0%, WD=1.92t/m ³ , DD=1.42t/m ³	U100
4	-2.85					ESTUARINE SILTY CLAY Dark grey to grey, moist, sensitive. High shell content towards bottom; minor clayey sand interlayers.	OH								Peak Su=24.3kPa, Res Su=3.6kPa	FSV
5	-4.35					SANDY SILTY CLAY - ALLUVIUM Pale grey green to to mottled orange, moist, firm to mainly stiff. Fine grained sand.	CL								MC=44.8%, WD=1.84t/m ³ , DD=1.28t/m ³	U100
6																3,5,6 N=11
7																4,4,7 N=11
8																3,3,7 N=10
9																
10	-9.10															

REMARKS

LOGGED BY

B.Woodgate & A.Dissanayake





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ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/2-2004

BOREHOLE No BH120
SHEET 2 of 2
REFERENCE No H9429

PROJECT GATEWAY UPGRADE PROJECT GEOTECHNICAL INVESTIGATION - NORTHERN SECTION
LOCATION CONTROL LINE: MCQO - Ch. 406.4 - OFFSET 9.2 L COORDINATES 9156.5 E: 172330.6 N
PROJECT No FM2055 SURFACE R.L. 0.99 DATE STARTED 8/7/04 DATUM SETP
JOB No DATUM AHD DATE COMPLETED 8/7/04 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	
									BT	HT	LM	VL	EL	20	60	200	600	2000					
10	-9.01					SAND - ALLUVIUM (As above) Some clay fraction towards bottom.		SP												2,2,3 N=5	SPT		
11																						4,5,6 N=11	SPT
12																						5,5,8 N=13	SPT
	-11.46																						
13						Borehole terminated at 12.45m																	
14																							
15																							
16																							
17																							
18																							
19																							
20																							

REMARKS

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