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ENGINEERING BORELOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM BQF 075:191/95

BOREHOLE No : 102
SHEET : 1 OF 3
REFERENCE No : H8248

PROJECT : SOUTH EAST TRANSIT PROJECT - SECTION 1
LOCATION : 2066.857E 164644.536N
PROJECT No : C60128 SURFACE R.L. : 4.14 DRILLER : DALY BROTHERS PTY LTD
JOB No : _____ DATUM : AHD DATE DRILLED : 25/3/98

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
0	4.14											
1	2.64					FILL Dark brown moist soft, a mixture of gravels and silt and clay. (Probable engineered type fill)	GC				Asphalt on the top. (Driller's log only).	
2						SILTY CLAY Pale grey to brown grey, moist firm to stiff; low to medium plasticity; frequent orange brown mottled and iron concreted zones throughout; some friable, fissured and cubic structures decreasing with depth; (Probable alluvial type material).					MC= 27.7; WD= 2.0; PPSu=154kPa C= 12.0; 24.0 DEG.	U48
3											LL= 59.0; PI= 36.6; LS=14.0 PPSu=90kPa	U48
4	0.25										19/05/98 Friable & fissured cubic clay.	SPT
5											LL= 69.2; PI=44.0; LS=17.4 PPSu=119kPa	U48
6							CL				Slightly fissured clay.	SPT
7											C=24.0; LL= 46.0; PI= 26.4; LS=13.3 MC= 32.1; WD=1.95; DD=1.48 PPSu=98kPa	U48
8											Vertical yellow sheared zones.	SPT
9											PPSu=109kPa	U48
10												

REMARKS :

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ENGINEERING BORELOG

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SYMBOLS REFER FORM BQF 075:191/95

BOREHOLE No : 102
SHEET : 2 OF 3
REFERENCE No : H8248

PROJECT : SOUTH EAST TRANSIT PROJECT - SECTION 1
LOCATION : 2066.857E 164644.536N
PROJECT No : C60128 SURFACE R.L. : 4.14 DRILLER : DALY BROTHERS PTY LTD
JOB No : _____ DATUM : AHD DATE DRILLED : 25/3/98

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	SH	M	VL	20	60	200	600			
10	-5.86				SILTY CLAY (same as above.).	CL									3,4,7 N=11	SPT	
11																	U48
12																3,3,5 N=8	SPT
13																	U48
14																4,5,5 N=10	SPT
-10.36					SANDY CLAY Dark brown to red brown moist to wet, firm.											1,3,3 N=6	SPT
-11.36					SILTY CLAY Brown moist stiff.											4,6,7 N=13	SPT
16																	U48
-13.36					SANDY SILTY CLAY Grey brown to orange brown, moist stiff. Interfingering sand & silty clay layers; sandy layers - orange brown; silty clay layers - grey brown.											5,7,7 N=14	SPT
-14.36					SILTY CLAY												U48
19																	
20																	

REMARKS : _____

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ENGINEERING BORELOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM BQF 075:191/95

BOREHOLE No : 102
SHEET : 3 OF 3
REFERENCE No : H8248

PROJECT : SOUTH EAST TRANSIT PROJECT - SECTION 1
LOCATION : 2066.857E 164644.536N
PROJECT No : C60128 SURFACE R.L. : 4.14 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 25/3/98

DEPTH (m)	R.L. (m)	ROGER DRILLING CORE LOGGING OTHER	RQD (%)	CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING EH VH H M L VL	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
20	-15.86											
	-16.11					SILTY CLAY (same as above).	CL				3,5,6 N=11	SPT
21						ARGILLITE (rock definition in remarks) XW : Generally exhibits engineering properties of grey brown to blue brown, moist, stiff to very stiff silty clay.	XW				2,10,20 N=30	SPT
	-17.46											
22						HW : Grey brown to blue grey rock kernels and corestones in grey brown silty clay matrix.					35,30/60 N=>60	SPT
23							HW					
24												
	-20.46											
25						SW : Dark grey to blue grey. Occasional red-brown iron staining only along defects; Polished, slickensided and minor secondary mineralization along foliation partings.					Is(50)=1.40MPa	x
26			(20%) 100			Defects : Major - FP <20 deg. (20/m) Minor - 60 deg. (1/3m) - 80-90 deg. (1/3m)	SW				Is(50)=1.39MPa	x
27											Is(50)=0.61MPa Is(50)=0.62MPa Is(50)=2.76MPa Is(50)=0.66MPa	x x o x
	-23.26		(42%) 93								Highly broken zone.	
						END OF HOLE						
28												
29												
30												

REMARKS : ARGILLITE : DARK GREY TO BLUE GREY FINE GRAINED FOLIATED METASEDIMENTARY

ROCK. BEDDING <25 DEGREES. OCCASIONAL CONCORDANT QUARTZ VEINS.

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SOUTH EAST TRANSIT PROJECT

BH 102
START 24.6
END 27.4
H 8248
1 OF 1
APRIL 1998

C60128

