ENGINEERING BORELOG

Main Roads

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)	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	4.14	**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). 1,2,1 N=3	SPT
2.64		**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).	CL					PPSu=154kPa MC= 27.7; WD= 2.0; DD= 1.57 C = 12.0; 24.0 DEG.	U48
								PPSu=90kPa LL= 59.0; PI= 36.6; LS=14.0	U48
0.25								19/05/98 Friabled & fissured cubic clay. 3,3,6 N=9	SPT
								PPSu=119kPa LL= 69.2; PI=44.0; LS =17.4	U48
								Slightly fissured clay. 2,3,5 N=8	SPT
								C=24.0; PPSu=98kPa LL= 46.0; PI= 26.4 LS=13.3 MC= 32.1; WD =1.95; DD=1.48	U48
								Vertical yellow sheared zones. 3,3,5 N=8	SPT
								PPSu=109kPa	U48

REMARKS :

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ENGINEERING BORELOG

Main Roads

FOR GEOTECHNICAL TERMS AND 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 (EH VH H M L)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES / TESTS
10	-5.86				**SILTY CLAY** (same as above.).						3,4,7 N=11	SPT
11												U48
12											3,3,5 N=8	SPT
13												U48
14	-10.36										4,5,5 N=10	SPT
15	-11.36				**SANDY CLAY** Drak brown to red brown moist to wet, firm.	CL					1,3,3 N=6	SPT
16					**SILTY CLAY** Brown moist stiff.						4,6,7 N=13	SPT
17	-13.36											U48
18	-14.36				**SANDY SILTY CLAY** Grey brown to orange brown, moist stiff. Interfingered sand & silty clay layers; sandy layers - orange brown; silty clay layers - grey brown.						5,7,7 N=14	SPT
19					**SILTY CLAY**							U48
20												

REMARKS :

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ENGINEERING BORELOG

Main Roads

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)	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	-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				HW : Grey brown to blue grey rock kernels and corestones in grey brown silty clay matrix.	HW					35,30/60 N=>60		SPT
25	-20.46				SW : Dark grey to blue grey. Occasional red-brown iron staining only along defects; Polished, slikensided and minor secondary mineralization along foliation partings. Defects : Major - FP <20 deg. (20/m) Minor - 60 deg. (1/3m) - 80-90 deg. (1/3m)	SW					Is(50)=1.40MPa		x
											Is(50)=1.39MPa		x
26			(20%) 100								Is(50)=0.61MPa		x
											Is(50)=0.62MPa		x
											Is(50)=2.76MPa		o
											Is(50)=0.66MPa		x
27	-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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