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ENGINEERING BORELOG

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

BOREHOLE No : 115
SHEET : 1 OF 2
REFERENCE No : H8184

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
LOCATION : 2258.875E 164208.939N
PROJECT No : C60128 SURFACE R.L. : 4.20 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 13/1/98

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
0	4.20											
						BITUMEN/ASPHALT FILL / SUBBASE Consisting pale brown, loose a mixture of clay and gravels.	GC				Driller's log only.	
1	3.20					FILL Grey brown to dark brown, moist silty clay. Grey to orange brown mottled and concreted zones; medium plasticity. (Probable engineered type fill).					2,2,4 N=6	SPT
2							CL				DD= 1.34; WD= 1.84 PPSu=61kPa MC= 38.6%	U48
3												
4	0.20					SILTY CLAY Dark grey to black, moist, stiff silty clay. Decomposed organic materials in parts; medium to high plasticity. (Probable younger alluvium)					Sensitive clay PeakFSV=46.5kPa; ResFSV=6.2kPa	FSV
5							OH				PPSu =28kPa LL=79.2; PI=52.0; LS=17.2 WD=1.56; DD=0.90 MC%= 0.9; C= 32.0 Friction angle = 0.0	U48
6												
7											Medium sensitive to sensitive clay. PeakFSV=37.2kPa ResFSV=9.3kPa	FSV
8	-3.55					SILTY CLAY Dark grey to grey green, moist, very stiff. Frequent orange brown mottled zones; low to medium plasticity; sand to pebble size quartz particles. (Probable older alluvium)	CH					
9											PPSu =125kPa WD= 1.90; DD= 1.42 MC%=33.4	U48
10	-5.30					PHYLLITE (See Remarks for rock definition).	XW					

REMARKS : Generally exhibits engineering proper-
ties of Pale grey to yellow brown; moist
hard silty clay.

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BOREHOLE No : 115
SHEET : 2 OF 2
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PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
LOCATION : 2258.875E 164208.939N
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DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CORE 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	-5.88											
11	-8.05					HW : Green brown and grey brown, extensively fractured rock kernels and core stones in silty clay matrix. Defects mainly along foliation partings. Foliation plane 60-80 deg.	HW					
12			(0%) 37			MW : Green brown to orange brown. cross cutting defects from 12.60-12.72m. Higher strength MW-SW band from 12.72 to 13.18.	MW				Is(50)=1.31MPa Is(50)=0.40MPa 0.568MPa	x x UCS
13			(72%) 87			Green brown to brown; red brown ironstaining along defects. Defects : mainly foliation partings & continuous subvertical defect to 13.25m.						
14	-9.80 -9.95		(13%) 89			HW : Extensively fractured	HW					
15						END OF HOLE						
16												
17												
18												
19												
20												

REMARKS : GREY GREEN TO GREY BROWN MEDIUM TO COARSE GRAINED FOLIATED METASEDIMENTARY
ROCK. FOLIATION PLANE 60 TO 80 DEGREES. CONCORDANT & DISCORDANT QUARTZ VEINS

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SOUTH EAST TRANSIT PROJECT
SECTION ONE

HOLE 115
START 10-10
END 14-15

H 8184
1 OF 1
JAN 1998

C60128

