ENGINEERING BORELOG

Main Roads

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)	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
0	4.20				BITUMEN/ASPHALT							
	4.10				FILL / SUBBASE Consisting pale brown, loose a mixture of clay and gravels.	GC					Driller's log only.	
	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).	CL					2,2,4 N=6	SPT
											DD= 1.34; WD= 1.84 PPSu=61kPa MC= 38.6%	U48
	0.20				SILTY CLAY Dark grey to black, moist, stiff silty clay. Decomposed organic materials in parts; medium to high plasticity. (Probable younger alluvium)	OH					Sensitive clay PeakFSV=46.5kPa; ResFSV=6.2kPa	FSV
											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
											Medium sensitive to sensitive clay. PeakFSV=37.2kPa ResFSV=9.3kPa	FSV
	-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					PPSu =125kPa WD= 1.90; DD= 1.42 MC%=33.4	U48
	-5.30				PHYLLITE (See Remarks for rock definition). XW : Generally exhibits engineering properties of Pale grey to yellow brown; moist hard silty clay.	XW						

REMARKS :

LOGGED BY
DISS

ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 115
SHEET : 2 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)	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
10	-5.80						XW				30/55 N=>50		
	-5.90		100		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						
11													
12			(0%) 37										
	-8.05				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.						Is(50)=1.31MPa Is(50)=0.40MPa	x x	
13			(72%) 87				MW				0.568MPa		UCS
	-9.80		(13%)		Green brown to brown; red brown ironstaining along defects. Defects : mainly foliation partings & continuous subvertical defect to 13.25m.								
14	-9.95		89		HW : Extensively fractured		HW						
					END OF HOLE								
15													
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

LOGGED BY DISS