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ENGINEERING BORELOG

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

BOREHOLE No : 125
SHEET : 1 OF 2
REFERENCE No : H8193

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
LOCATION : 2453.275E 163810.839N
PROJECT No : C60128 SURFACE R.L. : 7.56 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 15/1/98

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CASING OTHER	ROD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
							GH	SH	H	M	VL					
0	7.56															
0.5					SILTY CLAY Grey to brown, moist soft to firm; low to medium plasticity; occasional gravel size rock fragments. (Probable younger alluvium).								Approximately 10mm thick concrete at top.			
1.0						CL							MC%=32.6 PPSu =37kPa LL=46.0; PI=27.2; LS=13.4	U48		
2.0	5.46				GRAVELLY SILTY CLAY Brown to yellow brown moist firm to very stiff. (Probable residual type material).								Medium Sensitive Clay PeakFSV=149kPa ResFSV=40kPa	FSV		
3.0						GC										
4.0	3.81				PHYLLITE GREY GREEN TO BLUE GREY MEDIUM TO COARSE GRAINED FOLIATED METASEDIMENTARY ROCK. FOLIATION PLANE GENERALLY 60-75 DEGREES; CONCORDANT DANT QUARTZ VEINS; XW : Generally exhibits engineering properties of grey brown to brown moist very stiff to hard gravelly sandy silty clay.											
5.0	2.56				HW : Mainly orange brown to grey brown rock fragments in sandy silty clay matrix. (fine fraction> coarse fraction).											
6.0						HW							22, 30/100 N>50	SPT		
7.0																
8.0					MW : Orange brown to silty green, foliated (70 degrees) defects are spartially distributed; partly to completely red to red brown ironstaining mainly along defects. Defects : Minor - Foliation partings (45-60 deg). Joints at 75 deg.											
8.5			(100) 97			MW							Is(50)=1.74MPa	x		
9.0													Is(50)=0.66MPa	x		
9.5													4.09MPa	UCS		
9.8													Is(50)=1.15MPa	x		
10.0	-1.60				SW : Mainly grey green to blue grey in parts; frequent concordent quartz veins. Higher strength due to massive siliceous quartz zones.											
10.5						SW							Is(50)=0.41MPa	x		
11.0													Is(50)=1.87MPa	x		

REMARKS :

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 LOCATION : 2453.275E 163810.839N
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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
10	-2.44		(96%)		SW : (AS ABOVE)	SW				Is(50)=0.31MPa	x
	-2.74		100		END OF HOLE						
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

REMARKS :

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SOUTH EAST TRANSIT PROJECT
SECTION ONE

HOLE 125
START 7.30
END 10.30

H 8193
IOF 1
JAN 1998

C60128

