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ENGINEERING BORELOG

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

BOREHOLE No : 124
SHEET : 1 OF 2
REFERENCE No : H8192

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
LOCATION : 2444.901E 163823.464N
PROJECT No : C60128 SURFACE R.L. : 7.57 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 5/1/98

DEPTH (m)	R.L. (m)	AUGER 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
0	7.57					TOP-SOIL FILL Consisting grey brown to red brown moist stiff a mixture of rock fragments, sand, silt and clay. (Probable engineered type fill).	GC				1,1,9 N=10	SPT
1	5.82					SILTY CLAY Dark brown to dark grey moist soft. Red brown mottled zones; medium to high plasticity; sandy to gravelly in parts; some friable cubic structures. (Probable younger type alluvium)	CL				2,1,2 N=3	SPT
2	4.82					SILTY GRAVEL Grey brown, moist, loose to medium dense cobble to pebble size rock fragments in minor silty clay matrix. (Probable residual material).	GC				PPSu> 300kPa MC%=17.8;WD=2.20;DD=1.86	U48
3											PPSu> 300kPa MC%=15.2;WD=2.18;DD=1.90	U48
4											4,3,7 N=10	SPT
5	1.82					PHYLLITE GREY GREEN TO BLUE GREY MEDIUM TO COARSE GRAINED FOLIATED METASEDIMENTARY ROCK. XW : Generally exhibits engineering properties of pale grey to pale brown moist stiff sandy silty clay. Angular to sub-angular medium to coarse quartz grains.	XW				1,2,12 N=14	SPT
6	0.43					HW : Brown to orange brown massive. Frequent blue grey to black MW-SW argillite zones occasional HW zones; frequent clay seams in defects. Higher strength irregular to contorted siliceous gaurtz bands. Defects : Cross cutting at 40 deg.	HW				Is(50)=0.71MPa Is(50)=0.06MPa Is(50)=0.66MPa	x x x
7			(86%) 91									
8			(84%) 88									
9											Is(50)=0.19MPa Quartz band. Is(50)=0.61MPa	x o
10							SW HW					

REMARKS

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DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CLOSING OTHER	RQD (%) CORE REC% (56%)	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING EH VH H M L V	INTACT STRENGTH	DEFECT SPACING (mm) 20 80 200 800 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-2.43		60		HW : (As above.).	HW				Highly fractured friable clay filled zone.	
11	-3.48		100			SW				Quartz band. Is(50)=2.07MPa	x
					END OF HOLE	MW					
12											
13											
14											
15											
16											
17											
18											
19											
20											

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