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ENGINEERING BORELOG

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

BOREHOLE No : 109
SHEET : 1 OF 1
REFERENCE No : H8180

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
LOCATION : 2117.771E 164383.172N
PROJECT No : C60128 SURFACE R.L. : 3.99 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 16/1/98

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING 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	3.99											
3.69						SANDY SILTY / SILTY SAND	SM				Driller's log only.	
2.24						GRAVELLY SILTY CLAY Yellow brown, moist. Orange brown mottled zones. (Probable residual material).	CL				7,6,11 N=17	SPT
1.39						XW : (Rock description in remarks) Generally exhibits engineering properties of gree grey to grey brown, moist, hard sandy silty clay.	XW					
0.99						HW : Orange brown to brown HW-MW rock kernels in sandy silty clay matrix.	HW				30,30/140 N=>50	SPT
74						MW : Orange brown to orange green; foliated. Mainly medium to coarse concordant quartz veins; highly fractured below 5.30m					Clay seams in broken zone.	
100						Defects : Mainly subvertical (>75), foliation partings (0-25) degrees.	MW				Is(50)=0.86MPa	o
(18%) 100											Is(50)=1.18MPa	o
(91%) 100											9.19MPa	UCS
-1.76											Subvertical to irregular fractures with clay and quartz seams (a probable shear zone).	
6						END OF HOLE						
7												
8												
9												
10												

REMARKS : GREY GREEN TO GREY BROWN MEDIUM TO COARSE GRAINED FOLIATED METASEDIMENTARY
ROCK. FOLIATION PLANE <25 DEG. CONCORDANT AND DISCORDANT QUARTZ VEINS.

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