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ENGINEERING BORELOG

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

BOREHOLE No :	117
SHEET :	1 OF 3
REFERENCE No :	H8186

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
 LOCATION : 2267.317E 164120.834N
 PROJECT No : C60128 SURFACE R.L. : 5.65 DRILLER : DALY BROTHERS PTY LTD
 JOB No : DATUM : ADH DATE DRILLED : 8/1/98

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
							CU	U	H	M	CU	U	H	M			
0	5.65																
1					FILL: Pale grey brown to dark red brown moist soft to firm; a mixture of gravel, sand, silt and clay; Frequent gravels to cobble size rock fragments; Occasional silty clay layers. (Probable engineered type fill)										PH F=5.22; PPSu =250kPa PH FOX=4.25; WD=1.94 DD=1.58 MC%=21.60	U48	
2						GM									2,2, N=4	SPT	
3															6,2,2 N=4	SPT	
4	1.15														PeakFSV >32kPa ResFSV >32kPa	FSV	
5					SILTY CLAY: Dark grey, moist, soft to firm; frequent organic/peaty materials. (Probable younger type alluvium).										PH F=4.52 MC%=41.4 PH FOX=2.86; WD=1.80; DD=1.28 PPSu =50kPa LL=57.6%; PI=35%; LS=16%	U48	
6															PeakFSV =7.2kPa ResFSV =1.80kPa	FSV	
7						OH									PH F=6.47; APD=2.664 PH FOX=1.78; PPSu =30kPa MC%=59.4; WD=1.64; DD=1.04 MC%=59.6; WD=1.64; DD=1.02 C(kPa)29.0; Friction=1.0	U48	
8															PeakFSV >32kPa ResFSV >32kPa	FSV	
9															PH F=7.56; PPSu=17.5kPa PH FOX=1.40; WD=1.62; DD=0.98 LL=67%; PI=39.4%; LS=17.2% C(kPa)=19.0; Friction=1.0	U48	
10																	

REMARKS : NO HARD CORE ROCK SAMPLE WAS ENCOUNTERED DURING THE DRILLING.

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BOREHOLE No :	117
SHEET :	2 OF 3
REFERENCE No :	H8186

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
 LOCATION : 2267.317E 164120.834N
 PROJECT No : C60128 SURFACE R.L. : 5.65 DRILLER : DALY BROTHERS PTY LTD
 JOB No : DATUM : ADH DATE DRILLED : 8/1/98

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CORE DRILLING CASING OTHER	RQD ()*	CORE REC%	SAMPLE	MATERIAL DESCRIPTION	INTACT STRENGTH				DEFECT SPACING (mm)			GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							USC	WEATHERING	EH	VH	H	M	VL			
10	-4.35					SILTY CLAY (As above).									pH F=7.20; PPSu=35kPa pH FOX=1.37; MC%=73.4 WD=1.56; DD=0.9	U48
11															pH F=7.20; PPSu=35kPa pH FOX=1.88; MC%=68.0 WD=1.60; DD=0.96 LL=73%; PI=42.2%; LS=18.8%	U48
12							OH								pH F=7.19; PPSu=35kPa pH FOX=2.70; MC%=55.0 WD=1.68; DD=1.08	U48
13															pH F=7.20; PPSu=35kPa pH FOX=2.08; MC%=65.8 WD=1.62; DD=0.98 LL=72%; PI=44.2%; LS=18%	U48
14	-8.10					SILTY CLAY: Dark grey, moist firm to stiff; frequent decomposed organic particles/ peaty materials; medium to high plasticity. (Probable older type alluvium).									pH F=7.66; PPSu=50kPa pH FOX=2.81; MC%=39.3 WD=1.84; DD=1.32	U48
15							OH								pH F=7.50; PPSu=75kPa pH FOX=5.63; MC%=30kPa WD=1.96; DD=1.5 LL=59.4%; PI=38.6%; LS=14.8%	U48
16	-10.55					SANDY SILTY CLAY Orange brown to brown, stiff to very stiff. Medium plasticity. (Probable older type alluvium)									pH F=8.17; PPSu=70kPa pH FOX=7.60; MC%=37.4 WD=1.86; DD=1.36	U48
17							CL								pH F=7.55; PPSu=200kPa pH FOX=7.93; MC%=27.4 WD=2.02; DD=1.58	U48
18															4, 6, 10 N=16	SPT
19	-12.85					XW PHYLLITE: XW; Exhibits engineering properties of orange brown to brown grey, moist, very stiff to hard sandy silty clay. Medium to coarse grained sand; red brown mottled zones; occasional iron concretions.									4, 8, 21 N=29	SPT
20																

REMARKS :

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BOREHOLE No : 117
 SHEET : 3 OF 3
 REFERENCE No : H8186

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
 LOCATION : 2267.317E 164120.834N
 PROJECT No : C60128 SURFACE R.L. : 5.65 DRILLER : DALY BROTHERS PTY LTD
 JOB No : DATUM : ADH DATE DRILLED : 8/1/98

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
20	-14.35				(Contd.) XW PHYLLITE	XW				42	SP
	-14.50				END OF HOLE					N→50	
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

REMARKS : PHYLLITE : GREEN TO GREY GREEN FINE TO MEDIUM GRAINED METASEDIMENTARY ROCK.

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