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# ENGINEERING BORELOG

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

BOREHOLE No :	219
SHEET :	1 OF 2
REFERENCE No :	H8160

PROJECT : SOUTH EAST TRANSIT PROJECT - SECTION 2  
 LOCATION : 3658.181E 162615.852N  
 PROJECT No : C60117 SURFACE R.L. : 16.49 DRILLER : DALY BROTHERS PTY LTD  
 JOB No : 650302CN DATUM : AHD DATE DRILLED : 4/12/97

DEPTH (m)	R.L. (m)	AUGER 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	16.49				ROAD BASE	GM				Drillers log only.	
1	15.49				FILL Pale brown to dark grey brown, dry, dense to very dense, fine to very coarse grained mixture of rock fragments.					14, 15, 15 N=30	SPT
2						GW				5, 8, 30/90 N=>50	SPT
3										30/100 N=>50	SPT
4	12.74				FILL Red brown to grey brown, moist, very stiff to hard silty clay. Frequent red brown mottled zones.					7, 12, 10 N=22	SPT
5						CH				14, 14, 19 N=33	SPT
6										11, 12, 14 N=26	SPT
7	9.74				SILTY CLAY Red brown to grey brown, moist, stiff.	CH				5, 6, 5 N=11	SPT
8	8.74				XW SILTSTONE Exhibits engineering properties of grey brown, moist very stiff to hard silty clay.					8, 13, 15 N=28	SPT
9						XW				14, 30/100 N=>50	SPT
10											

REMARKS : \*See attached list for defect descriptions.

LOGGED BY  
DISS



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

BOREHOLE No : 219

SHEET : 2 OF 2

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DEPTH (m)	R.L. (m)	ALGER CORE DRILLING CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING E VH H M L	INTACT STRENGTH	DEFECT SPACING (mm) 20 60 200 600 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	6.49				As above..	XW				21,30/115 N=>50	SPT
11	6.04		(21) 80		HW SANDSTONE Red brown to brown, fine to medium grained; horizontal bedding (<10 degrees)	HW				Is (50) = 0.56MPa	x
12	4.89		(39) 91		CONGLOMERATE GREY BROWN TO BROWN FINE TO VERY COARSE GRAINED MASSIVE SEDIMENTARY ROCK MW: Argillite and phyllite rock fragments throughout; occasional quartz pebbles.	MW			Broken zone.		
13	3.89		(83) 100		SW CONGLOMERATE Red brown ironstaining only along defects.	SW				Is (50) = 0.25MPa 13.20MPa	x UCS
14	1.49		(85) 100							Is (50) = 0.24MPa	x
15					END OF HOLE					Is (50) = 0.23MPa	x
16											
17											
18											
19											
20											

REMARKS :

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DISS

BUS TRANSIT TUNNEL - PACKAGE TWO

HOLE 219  
START 10:30  
END 15:00

H 8160  
1 OF 1  
DEC 1997

C60117

