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# ENGINEERING BORELOG

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

BOREHOLE No :	229
SHEET :	1 OF 2
REFERENCE No :	H8167

PROJECT : SOUTH EAST TRANSIT BUS LANE PROJECT - SECTION 2  
 LOCATION : 4072.3E 162158.5N  
 PROJECT No : C60117 SURFACE R.L. : 26.65 DRILLER : DALY BROTHERS PTY LTD  
 JOB No : 650302CN DATUM : AHD DATE DRILLED : 3/12/97

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CORE CASING OTHER	RQD (%)	CORE REC%	SAMPLE	MATERIAL DESCRIPTION	WEATHERING				DEFECT SPACING (mm)				GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							USC	WEATHERING	EH	VH	H	M	L	20			
0	26.65																
0	26.45					SILTY CLAY : Brown to orange, moist.										Driller's log only.	
1						INTERBEDDED GREYWACKE AND ARGILLITE GREY TO BLUE GREY, FINE TO COARSE GRAINED, BEDDED METASEDIMENTARY ROCK. BEDDING 0-35 DEGREES. VERY CLOSELY TO CLOSELY SPACED DEFECTS. DEFECTS MAINLY ALONG FOLIATION (BEDDING PARTINGS). OCCASIONAL CONCORDANT QUARTZ VEINS. XW: Generally exhibits engineering prop- -rties of grey to orange green, dry to moist to dry, hard sandy silty clay.	XW									Bedding 10-30 deg  17,25,24 N=49	SPT
2	24.70		(0)	100		HW: Grey brown to orange brown; frequent corestones and rock kernels.	HW									Frequent quartz bands < 40 mm mostly concordant with bedding	
3	24.25		(0)	100		MW Orange brown to grey brown; extensively fractured throughout; red-brown ironsta- -ing.	MW										
4	23.00					Probable XW zone Core loss.											
5	22.25		(0)	41		HW As above..	HW										
6	20.76		(0)	100		MW As above..	MW										
7			(20)	93			MW										
8	18.50		(43)	85		HW As above.	HW										
9	17.98					Probable XW Zone.	HW								3/12/97		
10	16.65		(0)	34													

REMARKS : \_\_\_\_\_ LOGGED BY DISS



# ENGINEERING BORELOG

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SYMBOLS REFER FORM BQF 075:191/95 ]

BOREHOLE No : 229  
SHEET : 2 OF 2  
REFERENCE No : H8167

PROJECT : SOUTH EAST TRANSIT BUS LANE PROJECT - SECTION 2  
LOCATION : 4072.3E 162158.5N  
PROJECT No : C60117 SURFACE R.L. : 26.65 DRILLER : DALY BROTHERS PTY LTD  
JOB No : 650302CN DATUM : AHD DATE DRILLED : 3/12/97

DEPTH (m)	R.L. (m)	ALGER 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
							EH	VH	H	M	VL	20	90	200			
10	16.65				Probable XW Zone. Core Loss												
	16.33				MW As above..												
11			(0) 79														
12																	
13			(0) 100		Probable XW zone. Core loss.	MW											
14			(10) 54														
15			(0) 95												Is (50) = 0.22MPa		o
16	10.65		(30) 100												Is (50) = 0.38MPa		o
17	9.45		(0) 100		HW As above..	HW											
18	8.75		(20) 100		MW As above..	MW											
18					END OF HOLE												
19																	
20																	

REMARKS : .....

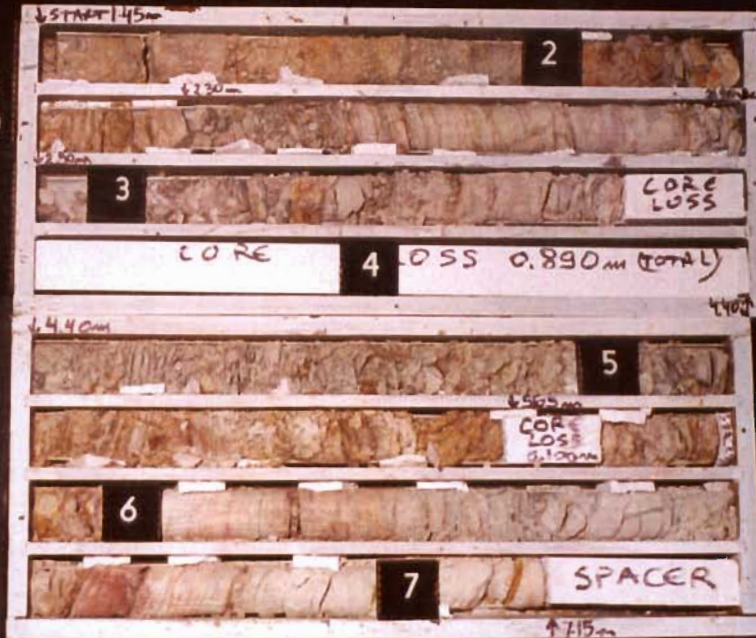
LOGGED BY  
DISS

BUS TRANSIT TUNNEL - PACKAGE TWO

HOLE 229  
 START 1.45  
 END 17.90

H 8167  
 I OF 4  
 DEC 1997

C60117



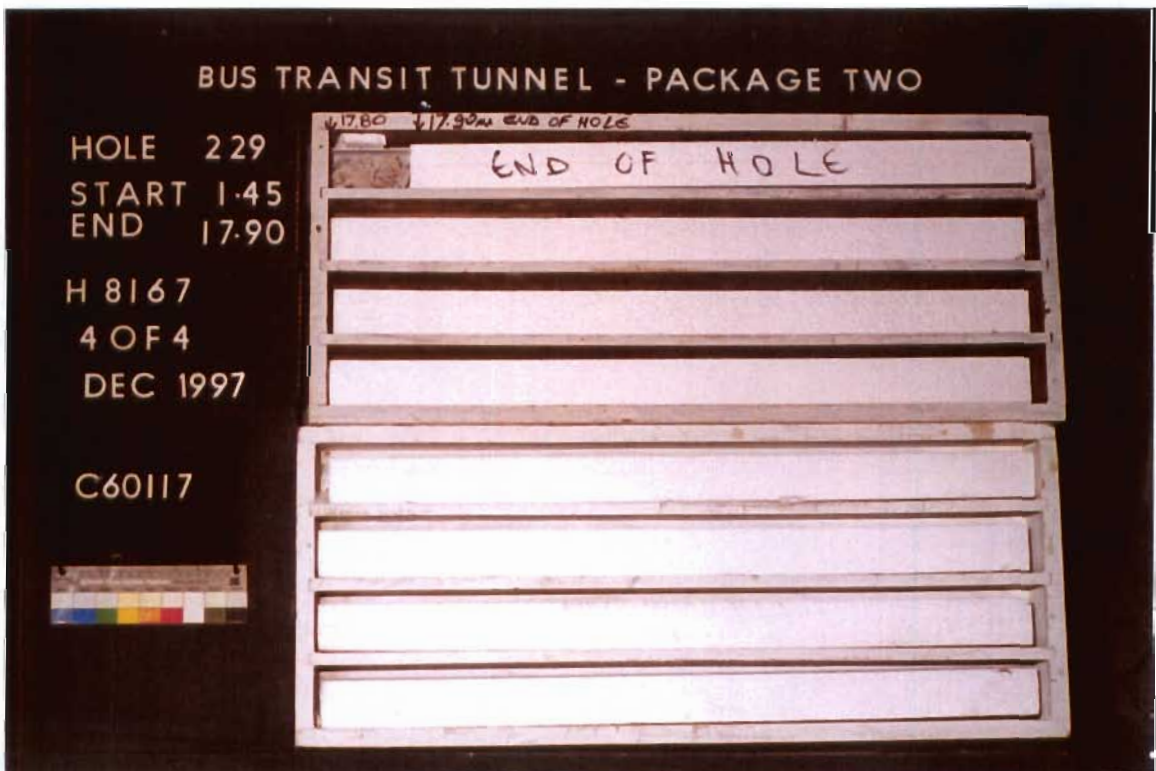
BUS TRANSIT TUNNEL - PACKAGE TWO

HOLE 229  
 START 1.45  
 END 17.90

H 8167  
 I OF 4  
 DEC 1997

C60117





**SOUTH EAST TRANSIT PROJECT, SECTION 2**

**WATER PRESSURE TEST RESULTS**

<b>&lt;1 LUGEONS</b>
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Drill Hole: 229  
 Test No: 1

Date: 4/12/97

Test Section:            From (m)            To (m)            Length (m)  
                                  10.5                   17.9                   7.4

Groundwater Depth (m):            8.67  
 Gauge Height (m):                    1.48  
 Hydrostatic Head (kPa):            101.5

Gauge Pressure (kPa)	Effective Pressure (kPa)	Test Duration (min)	Meter Start (litres)	Meter End (litres)	Water Loss (litres)	Leakage (l/m/min)	Lugeons
50	151.5	5	36	37.7	1.7	0.05	0.30
100	201.5	5	41	47.1	6.1	0.16	0.82
150	251.5	5	59.3	68.4	9.1	0.25	0.98
100	201.5	5	86.5	92.5	6	0.16	0.80
50	151.5	5	104.5	107.8	3.3	0.09	0.59

