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ENGINEERING BORELOG

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

BOREHOLE No : 131

SHEET : 1 OF 1

REFERENCE No : H8197

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
 LOCATION : 2809.803E 163630.575N
 PROJECT No : C60128 SURFACE R.L. : 15.32 DRILLER : DALY BROTHERS PTY LTD
 JOB No : DATUM : AHD DATE DRILLED : 2/2/98

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	UH	UM	ML	VL					
0	15.32																
	15.22					BITUMEN / ASPHALT FILL Consisting grey brown to orange brown, firm, dry to moist, a mixture of gravels sand, silt and clay. sand to gravel size quartz rich layer at 2.2m (Possible subgrade layer over subbase layer).								Driller's log only.			
1							GC								3,4,2 N=6	SPT	
2															3,2,3 N=5	SPT	
3	12.57					PHYLLITE (rock description in remarks) HW : Grey brown rock kernals in sandy silty clay matrix.	HW								30/140 N>50	SPT	
4	12.12					MW : Grey brown to green brown. Partly to completely red brown iron staining throughout; some quartz veins.	MW								Water Pressure Test from 3.55 to 8.10; WPT <1uL		
5	11.17		(75%) 100			SW : Green brown to orange brown. Red brown ironstaining mainly along defects; some HW-MW zones. Some defects have clay seams. Defects : Major - Foilation partings (30-60 deg) - Subhorizontal (<15 deg.) Minor - Subvertical (>80 deg.) Occasional at 75 deg.								Is(50)=1.01MPa	x		
6			(100) 100											14.94MPa	UCS		
7			(90%) 100			(Please refer attached sheet/s for defect descriptions).	SW							Is(50)=2.95MPa	x		
8	7.22		100											Is(50)=5.02MPa 20.30MPa	x UCS		
9						END OF HOLE											
10																	

REMARKS : GREY GREEN TO BLUE GREY MEDIUM TO COARSE GRAINED FOLIATED METASEDIMENTARY
 ROCK. FOLIATION PLANE 45-60 DEG. DISCORDANT AND CONCORDANT QUARTZ VEINS.

LOGGED BY
DISS

DEFECT DESCRIPTIONS OF BORELOGS

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

BOREHOLE NO : BH131

SHEET : 1 of 2

REFERENCE NO : H8197

PROJECT : SOUTH EAST TRANSIT PROJECT -SECTION 1

LOCATION : 2809.803E 163630.575N

PROJECT NO : C60128

SURFACE R.L. : 15.32

DRILLER : DALY BROTHERS P/L

JOB NO :

DATUM : AHD

DATE DRILLED : 9/1/98

DEPTH	DEFECT TYPE	APPRO. DIP ANGLE (Deg)	PLANARITY	ROUGHNESS	APERTURE	WALL ALTERATION	OTHER
3.27	J	<15	Ir	R	O	PFeSt	
3.29	SZ	<15	Ir	R	O		(10mm)
3.36	J	20	Ir		T	CFeSt	
3.57	SZ	20	Ir	R	O	CFeSt	
3.65	Fr	<10	Ir	R	T		
3.80	J	75	P	S	T		
3.85	J	75	P	S	O	CFest	
4.00	J	70	St	R	O	CFest	
4.14	FP	60	P	S	O	CFest	
4.24	FP	60	St		T	CFest	
4.38	J	40	Ir	R	O	CFest	
4.90	J	75	P	S	T	PFest	
4.98	FP	60	P		T	PFest	
4.95	FP	60	P		T	PFest	
5.00	J	30	P	R	O		Cl
5.70	FP	60	P	R-S	O	CFest	
5.93	J	10	Ir	R	O	CFest	
5.95	J	10	Ir	R	O	CFest	

Abbreviations

ROUGHNESS		WALL ALTERATIONS		TYPE		OTHER	
R	Rough	FeSt	Iron Stained	J	Joint	P	Partly
Sm	Smooth	W	Weathered	B	Bedding	QZ	Quartz Vein
SL	Slickensided			FP	Foliation Parting	Co	Completely
				Fr	Fracture	In	Incipient
PLANARITY		APERTURE		SZ	Sheared Zone	SI	Sand Infill
Pl	Planar	C	Closed	WS	Weathered Seam	H	Horizontal
St	Stepped	O	Open	CZ	Crushed Zone	V	Vertical
Un	Undulating	F	Filled	SM	Secondary Mineralisation	CI	Clay Seam
Cu	Curved	T	Tight	BZ	Broken Zone	Cn	Clean
Ir	Irregular			HFZ	Highly Fractured Zone		

NOTE: This sheet should be read in conjunction with appropriate Engineering Borelog.

DEFECT DESCRIPTIONS OF BORELOGS

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

BOREHOLE NO : BH131

SHEET : 2 of 2

REFERENCE NO : H8197

PROJECT : SOUTH EAST TRANSIT PROJECT

LOCATION : 2809.803E 163630.575N

PROJECT NO : C60128

SURFACE R.L : 15.32

DRILLER : DALY BROTHERS P/L

JOB NO : 103V

DATUM : AHD

DATE DRILLED : 9/1/98

DEPTH	DEFECT TYPE	APPRO. DIP ANGLE (Deg)	PLANARITY	ROUGHNESS	APERTURE	WALL ALTERATION	OTHER
6.3	J	60	P	R-S	O	CFest	
6.45	J	10	Ir		O		
6.49	J	15	Ir	R	O		
6.45	J	75	P	S	O		
6.46	J	75	P	S	O		
6.6	FP	60	Ir	R		CFest	
6.64	J	75	P	S	T		
6.68	FP	40	P		O		
6.72	J	20	P	S	O	CFest	
6.75	J	20			O		
6.83	J	20	P		O	CFest	
6.90	J						
6.95	J						
7.00		10	St	R	O		
7.06	FP	60	P	R	O	CFest	
7.15	FP	60	P	R	C	CFest	
7.30	FP	60	P	R	C	CFest	
7.39	J	10	St	R	O	CFest	
7.66	FP	30	Ir	R	O	Clay	
7.88	J	10	Ir	R	O		
7.92	FP	40	P	R	O		
8.01	J	10	Ir	R	C		

Abbreviations

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Sm	Smooth	W	Weathered	B	Bedding	QZ	Quartz Vein
SL	Slickensided			FP	Foliation Parting	Co	Completely
				F	Foliation	In	Incipient
				SZ	Sheared Zone	SI	Sand Infill
PLANARITY		APERTURE		WS	Weathered Seam	H	Horizontal
Pl	Planar	C	Closed	CZ	Crushed Zone	V	Vertical
St	Stepped	O	Open	SM	Secondary Mineralisation	CI	Clay Infill
Un	Undulating	F	Filled	BZ	Broken Zone	Cn	Clean
Ir	Irregular	T	Tight	HFZ	Highly Fractured Zone		
Ir							

NOTE: This sheet should be read in conjunction with appropriate Engineering Borelog.

