ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 128
SHEET : 1 OF 2
REFERENCE No : H8195

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
LOCATION : 2555.257E 163716.087N
PROJECT No : C60128 SURFACE R.L. : 16.24 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 20/1/98

DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	16.24												
	16.04				**FILL**								
					PHYLLITE (rock description in remarks) **XW :** Grey to orange brown, mottled.	XW							
	15.34												
1	15.14				**HW : Core stones and rock kernals.**	HW					30/100 N=>50		SPT
			(35%) 100		**MW :** Grey brown to blue grey; partly ironsta ining throughout; extensively fratured rockmass along foliation partings; fri-able and fissile along defects.						Is(50)=1.41MPa		x
2			(74%) 100		Defects : Major - Joints at 70 deg. - Joints at 10 deg. Minor - Joint at 25-40 deg. - Fractures at 10 deg. - foliation partings at 70 deg.						Is(50)=1.36MPa		x
3			(100) 100								Is(50)=0.57MPa Water Pressure Test from 3.05m to 10.55; WPT = 2uL		x
4			(76%) 100								Pressuremeter Test at 4.50m		
			(35%) 100			MW					Is(50)=0.59MPa		x
5			(33%) 100								Pressuremeter Test at 5.00m Is(50)=0.94MPa		x
6			(53%) 100								Is(50)=0.95MPa		x
7			(72%) 100								Water Pressure Test from 7.50m to 10.55m; WPT =<1uL Is(50)=0.59MPa		x
8	7.92		(85%) 100										
					SW : Grey brown to blue brown; frequent blue grey argillite bands; bedding mainly at 40- 60 degrees; medium to coarse concor-dant type quartz veins to 20mm.						Is(50)=0.71MPa		x
9			(91%) 100		Defects :	SW					Is(50)=0.59MPa		x
					Major - Foliation partings (40-60 deg) - Joints (30-40 deg.) Minor - Fractures <10 deg. - Joints at 70 deg.						Is(50)=1.23MPa		x
10											Is(50)=1.44MPa		x

REMARKS : PHYLLITE : GREY GREEN TO BLUE GREY MEDIUM TO COARSE GRAINED FOLIATED META-SEDIMENTARY ROCK. BEDDDING STEEP (90 DEG.), SUBVERTICAL AND, TO 40 DEGREES.

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DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES / TESTS
10	6.24											
	5.69		(100) 100		SW : (As above.).	SW					Piezometer Tip at 10.45m	
					END OF HOLE							
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

REMARKS : Please refer attached sheet for defect descriptions.

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Queensland Department of Main Roads

DEFECT DESCRIPTIONS OF BORELOGS

[FOR GEOTECHNICAL TERMS AND SYMBOLS

REFER FORM BQF 075:191.95]

BOREHOLE NO :	BH128
SHEET :	1 of 2
REFERENCE NO :	H8195

PROJECT : SOUTH EAST TRANSIT PROJECT - SECTION 1

LOCATION : 2555.257E 163716.087N

PROJECT NO : C60128 SURFACE R.L : 16.24 DRILLER : DALY BROTHERS P/L

JOB NO : DATUM : AHD DATE DRILLED : 15/1/98

DEPTH	DEFECT TYPE	APPRO. DIP ANGLE (deg.°)	PLANARITY	ROUGHNESS	APERTURE	WALL ALTERATION	OTHER
1.30	FP	70	Ir	R	O		
2.03	J	20	P	Sm	O		Cl
2.13-2.22	BZ	15 - 60			O		
2.35	J	10	St	R	O	PCl/SM	
3.2	FP	75	Ir	R	O		
3.3	J	25	Ir	R			
3.37	J	25	P	Sm	T	CoFeSt	
3.52	J	40	P	Sm	T	CoFeSt	
3.72	J	10	P	Sm	T	CoFeSt	
3.78	J	10	P	Sm	T	CoFeSt	
3.84	J	10	P	Sm	T	CoFeSt	
3.95-4.35	FP	90	P	Sm	T	P - CoFeSt	Closely Spaced
4.13	J	10	P	Sm	T	CoFeSt	
4.15	J	10	P	Sm	T	CoFeSt	
4.76	Fr	35	Ir	R	O	PFeSt	
4.90	J	70	Ir	R	O		
5.22	J	70	P	S	T	CoFeSt	
5.23	J	70	P	S	T	CoFeSt	
5.24	Fr	10	Ir	R	O	CoFeSt	

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	Cl	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.

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DEFECT DESCRIPTIONS OF BORELOGS

[FOR GEOTECHNICAL TERMS AND SYMBOLS

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BOREHOLE NO :	BH128
SHEET :	2 of 2
REFERENCE NO :	H8195 (b)

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LOCATION : 2555.257E 163716.087N

PROJECT NO : C60128 SURFACE R.L : 16.24 DRILLER : DALY BROTHERS P/L

JOB NO : DATUM : AHD DATE DRILLED : 15/1/98

DEPTH	DEFECT TYPE	APPRO. DIP ANGLE	PLANARITY	ROUGHNESS	APERTURE	WALL ALTERATION	OTHER
5.9	FP	40	P	Sm	O	PFeSt	
6	J	40	P	Sm	O	SM	
6.4	Fr	10	St	R	O	CFeSt	
6.54	FP	60	P	R	T		
6.63	FP	70	P	R	T		
6.86	J	40	St	R	T	CFeSt	
6.9	FP	60	P	Sm			
7.21	J	30	Ir	R	O		
7.31	J	30	Ir	R	T		
7.36	J	30	Ir	R	T		
7.05-8.00	FP						Closely spaced
8.15	J	40	P	Sm	T	CFeSt	
8.2	J	70	P	Sm	T		
8.25	J	40	P	R	O		
9	FP	60	Ir	Sm	O		
9.55	J	60	P	Sm	T	CFeSt	
9.58	FP	60	P	Sm	O	CFeSt	
9.95	Fr	40	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
				F	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	Cl	Clay Seam
Cu	Curved	T	Tight	BZ	Broken Zone	Cn	Clean
Ir	Irregular			HFZ	Highly Fractured Zone		

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