ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 129
SHEET : 1 OF 1
REFERENCE No : H8196

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
LOCATION : 2612.994E 163657.58N
PROJECT No : C60128 SURFACE R.L. : 20.04 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 3/2/98

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 VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	20.04				**BITUMEN / ASPHALT**						Driller's log only.		
	19.74				**FILL** Brown to grey, silty gravel (Probable engineered /subgrade fill)	GC					2,2,2 N=4		SPT
1	18.24				**SANDY SILTY CLAY** Yellow brown to mottled grey. Angular to subangular medium to coarse quartz grains; some occasional relic rock structures. (Probable residual type material).	CL					3,2,2 N=4		SPT
2													
3	16.29										2,4,3 N=7		SPT
4					**PHYLLITE** GREY GREEN TO BLUE GREY MEDIUM TO COARSE GRAINED FOLIATED METASEDIMENTARY ROCK. STEEP FOLIATION PLANE (70-90 DEG.); BOTH CONCORDANT AND DISCORDANT QUARTZ VEINS. **XW :** Generally exhibits engineeering properties of brown to yellow brown moist very stiff to hard sandy silty clay.	XW					7,9,13 N=22		SPT
5	14.71												
6	14.04		(37%) 45		**HW :** Mainly corestone and rock kernals in sandy silty clay matrix. Corestones appears to be clastic in nature.	HW					Water pressure test from 5.30 to 10.00m; WPT = 6uL		
			(50%) 100		**MW :** Orange brown to grey brown. Frequent concordant and contorted quartz veins to 800mm; partly to completely red brown iron stainning throughout; vertical bedding.	MW					Water Pressure Test from 6.50 to 10.00m; WPT= 5uL		
7			(66%) 100		Defects : Major - Subhorizontal (<30 deg.) - At 30 to 40 deg. Minor - Foliation partings (90 deg.)						Is(50)=0.66MPa		x
			(41%) 100								Pressuremeter Test at 7.30m Is(50)=2.19MPa		x
8			(95%) 100								Is(50)=0.42MPa		x
											Is(50)=1.31MPa		x
9			(43%) 100								Is(50)=1.99MPa		x
			(92%) 100								Is(50)=2.16MPa		x
10	10.04												

REMARKS : **Please refer attached sheet/s for defect descriptions.**

LOGGED BY DISS

Main Roads
Queensland Department of Main Roads

DEFECT DESCRIPTIONS OF BORELOGS

[FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM BQF 075.191/95]

BOREHOLE NO :	BH129
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LOCATION : 2612.994E 163657.58N
PROJECT NO : C60128 SURFACE R.L : 20.04 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
6.65	J	10	p	S	O		
7.10	J	15	St	R	O		
7.12	J	0	15	IR	O	W	Altered Wall
7.14	J	30	St	R	O		
7.29	J	10	St	R	T		
7.42 -7.47		10					QZ
7.55	Fr	10	St - Ir	R	O	CFeSt	
8.03	Fr						QZ
8.40-8.50	BZ						QZ
8.60	J	45	P		T		QZ
8.71-8.91							QZ
8.75	Fr	30	Ir	R	T	CFeSt	QZ
8.94	Fr	0	Ir	R	O		
8.40-8.50	BZ						QZ
9.75-10.0	FP	90	Cu	SM	T	PIrSt	
9.80	J	30	P		T		

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.