ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 150
SHEET : 1 OF 2
REFERENCE No : H8103

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION
LOCATION : Grid Refernce: 19687 East, 139803.5 North, ABUTMENT B
PROJECT No : MP1006 SURFACE R.L. : 4.88 DRILLER : FOUNDRIL
JOB No : 241* DATUM : AHD DATE DRILLED : 1/9/97

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	4.88											
					FILL Pale brown to green brown, dry, medium dense silty gravels.	GM					3,4,6 N=10	SPT
2	2.88				**SILTY CLAY** Pale brown, moist to wet, soft to firm with high plasticity.	CH					SuPP=27KPa	U48
3	1.48				**SILTY SAND** Grey, moist, loose.	SM					1,2,1 N=3	SPT
5	-0.37				**SILTY CLAY** Grey to black, wet, soft to firm with high plasticity and high organic content	CH					SuPP=44KPa	U48
6	-1.87				**SANDY CLAY** Mottled grey, moist, firm to stiff.	CL					3,4,6 N=10	SPT
8	-3.12				**SAND** Pale grey to brown, wet, medium dense, fine to coarse.	SP					8,11,12 N=23	SPT
10	-5.12											

REMARKS : Other - Washboring
SuPP= Su from pocket penetrometer reading.

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

BOREHOLE No : 150
SHEET : 2 OF 2
REFERENCE No : H8103

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION
LOCATION : Grid Refernce: 19687 East, 139803.5 North, ABUTMENT B
PROJECT No : MP1006 SURFACE R.L. : 4.88 DRILLER : FOUNDRIL
JOB No : 241* DATUM : AHD DATE DRILLED : 1/9/97

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	-5.12				**SAND** (contd.)	SP					10,8,7 N=15	SPT
11												
12	-7.62										7,8,10 N=18	SPT
13					**SILTY CLAY** Pale grey to mottled brown, moist, firm to stiff.	CL					5,7,5 N=12	SPT
14	-8.87				**THINLY INTERBEDDED ARGILLITE/GREYWACKE** GREY TO BLUE GREY, FINE TO MEDIUM GRAIN--ED BEDDED METASEDIMENTARY ROCK. BEDDING CONTORTED. XW -Pale grey to green black, mottled in parts, generally exhibits engineering properties of very stiff to hard silty clay/clayey silt grading to very dense clayey sand.	XW					30/60 N >50	SPT
15												
16	-10.87				(HW) Defects : Subvertical Subhorihontal & 35 to 45 degrees.	HW					30/90 N >50	SPT
17	-11.97		100		(MW) Defects : Subvertical Subhorizontal & 35-45 degrees.	MW					Is(50)=1.25MPa	x
18											Is(50)=2.02MPa Parting within argillite beds is common.	x
19	-14.32		100 100								Is(50)=0.98MPa	x
20					END OF HOLE							

REMARKS : In MW rock, strength varies with thickness of interbedding. However rock rock tends to break along contacts of argillite/greywacke interbeds.

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