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ENGINEERING BORELOG

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 Reference: 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 CORE DRILLING Casing OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING EH VH H M L	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	4.88				FILL Pale brown to green brown, dry, medium dense silty gravels.						
1						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											
4	1.48				SILTY SAND Grey, moist, loose.	SM				1, 2, 1 N=3	SPT
5											
6	-0.37				SILTY CLAY Grey to black, wet, soft to firm with high plasticity and high organic content	CH				SuPP=44KPa	U48
7											
8	-1.87				SANDY CLAY Mottled grey, moist, firm to stiff.	CL				3, 4, 6 N=10	SPT
9											
10	-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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ENGINEERING BORELOG

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 Reference: 19687 East, 139803.5 North, ABUTMENT 8

PROJECT No : MP1006

SURFACE R.L. : 4.88

DRILLER : FOUNDRI

JOB No : 241*

DATUM : AHD

DATE DRILLED : 1/9/97

DEPTH (E)	R.L. (m)	AUGER 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	BL			
10	-5.12					SAND (contd.)								10,8,7 N=15	SPT
11							SP								
12														7,8,10 N=18	SPT
13	-7.62					SILTY CLAY Pale grey to mottled brown, moist, firm to stiff.	CL							5,7,5 N=12	SPT
14	-8.87					THINLY INTERBEDDED ARGILLITE/GREYWACK 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	-10.87														
16	-11.97					(HW) Defects : Subvertical Subhorizontal & 35 to 45 degrees.	HW							30/90 N >50	SPT
17						(MW) Defects : Subvertical Subhorizontal & 35-45 degrees.								Is (50) =1.25MPa	x
18							MW							Is (50) =2.02MPa Parting within argillite beds is common.	x
19	-14.32													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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