ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 146
SHEET : 1 OF 3
REFERENCE No : H8099

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION
LOCATION : Pier 7 grid ref 19608E 139972N
PROJECT No : MP1006 SURFACE R.L. : 2.92 DRILLER : R & D DRILLING
JOB No : DATUM : AHD DATE DRILLED : 4/9/97

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	2.92				**SILTY CLAY** Dark brown to dark grey, dry to moist soft to stiff alluvium grading to dark brown to dark grey, wet, stiff to very stiff silty clay. Mottled zones in parts, high organic content, low plasticity. Occasional sand layers to 200mm thick common.	CL					4,7,7 N=14	SPT
											Su=37.5KPa	U50
3	-0.18									▽	08/09/97	
											Su=20KPa	U50
	-1.83				**SANDY GREAVEL/GRAVELLY SAND** Yellow brown wet loose to medium dense poorly graded alluvium. Peat bands to 100mm thick common.	SP					3,4,4 N=8	SPT
											3,6,9 N=15	SPT
											2,3,2 N=5	SPT
10	-7.08											

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

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BOREHOLE No : 146
SHEET : 2 OF 3
REFERENCE No : H8099

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION
LOCATION : Pier 7 grid ref 19608E 139972N
PROJECT No : MP1006 SURFACE R.L. : 2.92 DRILLER : R & D DRILLING
JOB No : DATUM : AHD DATE DRILLED : 4/9/97

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	-7.08				(Cont'd)						3,4,4 N=8	SPT
11						SP						
	-9.03										3,3,5 N=8	SPT
12					**SILTY CLAY** Dark brown to dark grey moist, firm to stiff alluvium. High plasticity; high organic content.							
13						CL					SuPP=50kPa	U50
	-11.08											
14					**SANDY CLAY/CLAYEY SAND** Fine, wet, medium dense poorly graded alluvium. Occasional peat bands (100mm).	SC					5,4,7 N=11	SPT
	-12.08											
15					**SILTY CLAY/SILTY SANDY CLAY** Dark brown to black moist,firm alluvium.							
16						CL					-,2,5 N=7	SPT
17	-14.33											
					SAND Grey, wet medium dense, poorly graded fine alluvium. Occasional silty layers.						7,11,16 N=27	SPT
18												
19						SW					7,10,18 N=28	SPT
20	-17.08											

REMARKS :

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Main Roads

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

BOREHOLE No : 146
SHEET : 3 OF 3
REFERENCE No : H8099

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION
LOCATION : Pier 7 grid ref 19608E 139972N
PROJECT No : MP1006 SURFACE R.L. : 2.92 DRILLER : R & D DRILLING
JOB No : DATUM : AHD DATE DRILLED : 4/9/97

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
20	-17.08				**GRAVELLY SAND** Grey, wet, loose to vey dense alluvium.	GW					4,4,6 N=10	SPT
21												
22	-19.48										19,HB N=>50	SPT
23					**INTERBEDDED ARGILLITE AND GREYWACKE** GREY TO BLUE GREY FINE TO MEDIUM GRAINED BEDDED MATASEDIMENTARY ROCK. BEDDING AT 50-70 DEGREES. Defects: mainly along bedding plane.	MW				MW layer	Is(50)=4.3 MPa	x
24			100			Fr					Is(50)=3.56MPa	x
25	-22.48		100								Is(50)=6.67MPa	x
					END OF HOLE							
26												
27												
28												
29												
30												

REMARKS :

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