ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 149
SHEET : 1 OF 3
REFERENCE No : H8102

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATTION INVESTIGATION
LOCATION : Pier 13, Grid Ref.19661E 139845N
PROJECT No : MP1006 SURFACE R.L. : 3.86 DRILLER : FOUNDRIL
JOB No : DATUM : AHD DATE DRILLED : 2/9/97

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)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES / TESTS
0	3.86				**GRAVELLY SILTY CLAY** Pale brown to brown, moist, firm fine to coarse grained.	CL					6,10,8 N=18	SPT
	2.26										2/9/97	
2	1.86				**SANDY CLAY/CLAYEY SAND** Pale brown to grey brown, wet, stiff/ loose alluvium grading to fine gravel silty sand. Occasional sand layers up to 500mm.						1,1,2 N=3	SPT
						SP				Sandy Layer.		
4											1,1,2 N=3	SPT
						SC						
7											SuPP=72KPa	U50
8	-4.14				**SILTY SAND** Grey, wet medium dense sand grading to gravelly sand.						6,6,7 N=13	SPT
9						SW						
10	-6.14											

REMARKS :

LOGGED BY AD

ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 149
SHEET : 2 OF 3
REFERENCE No : H8102

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATTION INVESTIGATION
LOCATION : Pier 13, Grid Ref.19661E 139845N
PROJECT No : MP1006 SURFACE R.L. : 3.86 DRILLER : FOUNDRIL
JOB No : DATUM : AHD DATE DRILLED : 2/9/97

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	-6.14				**SAND (Cont'd)**	SM					6,11,12 N=23	SPT
11	-7.14				**SILTY CLAY** Pale grey to mottled brown, wet, stiff to very stiff silty clay alluvium. Occasional silty sand bands to 100mm thick common.	CL					5,5,7 N=12	SPT
12												
13											5,6,7 N=13	SPT
14											4,6,6 N=12	SPT
15												
16											5,7,9 N=16	SPT
17	-13.14				**INTERBEDDED ARGILLITE AND GREYWACKE** GREY TO BLUE GEY, FINE TO MEDIUM GRAINED BEDDED METASEDIMENTARY ROCK. BEDDING 40-60 DEGREES.							
18					XW: Pale grey to green brown, mottled in parts,generally exhibits engineering properties of v. stiff to hard silty clay/clayey silt grading to v. dense clayey sand.	XW					7,17,30/110 N=>50	SPT
19	-15.14				MW: Slightly brown ironstaining along intact rock and concentrated to defects. Defects vary 40-60 degrees.	MW					Is(50)=1.06MPa Is(50)=0.78MPa Fractured zones	x x
20	-16.14											

REMARKS :

LOGGED BY AD

ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 149
SHEET : 3 OF 3
REFERENCE No : H8102

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATTION INVESTIGATION
LOCATION : Pier 13, Grid Ref.19661E 139845N
PROJECT No : MP1006 SURFACE R.L. : 3.86 DRILLER : FOUNDRIL
JOB No : DATUM : AHD DATE DRILLED : 2/9/97

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	-16.14												
	-16.54		100		(Cont'd)	HW							
21					FR: Fresh rock Defects 40-60 degrees. Light brown ironstaining only along defects.	SW					Fractured zones Is(50)=3.16MPa Argillite bands with 60 degress bedding.	x	
			94										
			100										
22	-18.14		100		END OF HOLE								
23													
24													
25													
26													
27													
28													
29													
30													

REMARKS :

LOGGED BY
AD