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ENGINEERING BORELOG

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

BOREHOLE No : 133
SHEET : 1 OF 3
REFERENCE No : H8065

PROJECT : PACIFIC MOTORWAY (PACKAGE 1) GEOTECHNICAL INVESTIGATION - STAGE 1
LOCATION : Southern Abutment - Logan River Service Road Bridge Grid Ref 19665.550E 139825.550N
PROJECT No : MP1006 SURFACE R.L. : 4.74 DRILLER : Schneider
JOB No : DATUM : AHD DATE DRILLED : 7/7/97

DEPTH (m)	R.L. (m)	ALGER DRILLING CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING EH VH H M L	INTACT STRENGTH	DEFECT SPACING (mm) 20 80 200 800 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	4.74				FILL Clayey gravel (driller's log only).	GP					
1	4.14				CLAYEY SILT Brown, slightly moist, stiff; very clayey in part; sandy (fine grained) near base.	CL				pH F=5.64 pH FOX=5.65 8,9,7 N=16	SPT
2	2.74				SILTY SAND Brown to pale brown, moist to wet, fine to medium grained alluvium; occasional pockets of grey clay.	SM				7/7/97 pH F=5.72 pH FOX=4.60 Su PP=60kPa	U50
3	2.14										
4										pH F=4.70 pH FOX=2.31 1,2,5 N=7	SPT
5	-0.46				SILTY CLAY Dark brown to dark grey, wet, soft to firm alluvium; high organic content; high plasticity; peat bands to 100mm thick common; sandy in parts.	OH				MC=85%, WD=1.44t/m3 LL=56.4, PI=24.8, LS=13.4 pH F=6.81 pH FOX=0.55 Su PP=75kPa	U50
6											
7										pH F=7.34 pH FOX=1.11 N=1	SPT
8	-3.26									Peak Su=50kPa	FSV
9					CLAYEY SAND Pale grey to pale brown, wet, fine to coarse grained alluvium; gravelly in part (below 9.2 m depth).	SC				pH F=8.24 pH FOX=1.42 5,7,10 N=17	SPT
10	-5.26										

REMARKS : Amended Version

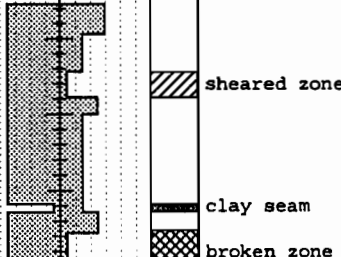
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FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM BQF 075:191/95

BOREHOLE No : 133
SHEET : 2 OF 3
REFERENCE No : H8065

PROJECT : PACIFIC MOTORWAY (PACKAGE 1) GEOTECHNICAL INVESTIGATION - STAGE 1
LOCATION : Southern Abutment - Logan River Service Road Bridge Grid Ref 19665.550E 139825.550N
PROJECT No : MP1006 SURFACE R.L. : 4.74 DRILLER : Schneider
JOB No : DATUM : AHD DATE DRILLED : 7/7/97

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CASING OTHER	RQD (%)	CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT	DEFECT	GRAPHIC LOG	ADDITIONAL DATA		SAMPLES TESTS
								STRENGTH	SPACING (mm)		AND TEST RESULTS		
10	-5.26					CLAYEY SAND (Cont'd)	SC				pH F=6.84 pH FOX=6.20	5,9,10 N=19	SPT
11	-6.26					CLAY Brown with some black mottling, moist, stiff alluvium; black concretions to 2mm common in parts.	CH				pH F=6.55 pH FOX=6.26	5,8,10 N=18	SPT
13	-7.76					CLAYEY SAND Pale grey, wet, medium dense, coarse grained alluvium. Gravelly in part, gravel up to 5mm; pocket of clay to 100mm in part.					pH F=6.54 pH FOX=5.54	13,16,13 N=29	SPT
15							SC				pH F=6.12 pH FOX=5.12	5,6,6 N=12	SPT
16											pH F=6.98 pH FOX=6.47	6,7,11 N=18	SPT
17	-12.26					GREYWACK GREY MEDIUM GRAINED SLIGHTLY METAMORPHOSED SEDIMENTARY ROCK. ARGILLITE INTERBEDS TO 200MM COMMON. BEDDING 40-60 DEGREES.	XW					10,30/60 N=50	SPT
18	-13.46					XW - Pale grey; generally exhibits engineering properties of hard silty clay to clayey silt.							
19				91		Minor brown ironstaining throughout; defects multidirectional - dominant sets 40 degs and 70 degs. defects clay coated or clay infilled to 2mm; rare clay seams to 50mm.	MW				sheared zone		
20	-15.26			100									

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BOREHOLE No : 133
SHEET : 3 OF 3
REFERENCE No : H8065

PROJECT : PACIFIC MOTORWAY (PACKAGE 1) GEOTECHNICAL INVESTIGATION - STAGE 1
LOCATION : Southern Abutment - Logan River Service Road Bridge Grid Ref 19665.550E 139825.550N
PROJECT No : MP1006 SURFACE R.L. : 4.74 DRILLER : Schneider
JOB No : DATUM : AHD DATE DRILLED : 7/7/97

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
20	-15.26		100			GREYWACKE (Cont'd)						broken zone	
21	-16.38		100									broken zone	
22						END OF HOLE							
23													
24													
25													
26													
27													
28													
29													
30													

REMARKS : Amended Version

LOGGED BY

PACIFIC MOTORWAY PACKAGE 1
LOGAN RIVER

HOLE 133
START 18.20
END 21.15

H 8065
1 OF 1
JULY 1997

MP1006

