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# ENGINEERING BORELOG

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

BOREHOLE No : 137

SHEET : 1 OF 1

REFERENCE No : H8090

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION  
 LOCATION : Abutment A, Grid ref. 19534E 140139N  
 PROJECT No : MP1006 SURFACE R.L. : 5.39 DRILLER : FOUNDRIL  
 JOB No : DATUM : AHD DATE DRILLED : 05/09/97

DEPTH (m)	R.L. (m)	AUGER DRILLING CORE 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	SL					
0	5.39					<b>GRAVELLY SAND</b> Brown, dry, loose silty gravelly sand grading to brown, very stiff silty clay. concreted in parts. Some organic materials in top part. (Top part is a probable fill).											
1							SP								10, 14, 12 N=26	SPT	
2	3.39					<b>SILTY CLAY</b> Grey brown to yellow brown, slightly moist, soft to firm, alluvium. Slightly sandy to gravelly in parts. (Probable weathered rock)									8, 12, 12 N=24	SPT	
3							CL										
4	1.69					<b>GREYWACKE</b> GREY, MEDIUM GRAINED METASEDIMENTARY ROCK. OCCASIONAL ARGILITE INTERBEDS TO 400mm COMMON. BEDDING >60 DEGREES.  XW: Grey brown to brown, generally exhibits engineering properties of hard sandy clay and clayey sand.									30/70 N>50	SPT	
5							XW										
6	0.08					<b>HW:</b> Heavily ironstaining throughout, Completely brown ironstaining. Defects- up to 30 deg. <del>Clay-coating along some defects.</del>  <b>MW:</b> Slightly brown ironstaining throughout mainly along defects. Occasional clay belbs in parts. Defects: mainly 40-60 degrees.									H/B N>50 Is (50) = 0.23MPa	SPT x	
7	-0.61						HW								Is (50) = 0.05MPa Is (50) = 0.12MPa Is (50) = 1.97MPa	x x x	
8							MW								Is (50) = 1.02MPa	x	
9															Steeplly dipping argillite bands (>60 degrees).		
10	-2.92			(85) 100		<b>END OF HOLE</b>									Is (50) = 0.94MPa	x	

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

LOGGED BY

PACIFIC MOTORWAY  
LOGAN RIVER BRIDGES

HOLE 137  
START 5.31  
END 8.31

H 8090  
1 OF 1  
SEP 1997

MP1006

