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MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

Form 23ZL(c)
(P) /10/74

PROJECT NORTH-SOUTH FRONTWAY - BRILLIANT RIVER CROSSING HOLE No 37
 REF. H 4486
 LOCATION Coordinates N34686.160, E45330.924 DATUM AHD
 GROUND
 JOB No ...140/EO08D/U04.2... PROJECT No ...2/71... DATE ...10/4/78... SURFACE ...6.26...
 TYPE OF DRILLING: Solid Augering ☐ 76.2mm Hollow Augering ☒ Casing ☐ NMLC Coring ☐

STRATA DESCRIPTION		Depth 0.00	Field Sample & N Value	R.L. 1:50 -6.26	Graphic Log	ENGINEERING PROPERTIES			
Soil Type Lithology	Weathering					Parameters & Indices	MC(%) 20.0, 60.0, 100.0, 140.0	DD(t/m ³) 0.5, 1.0, 1.5, 2.0	
CLAY Dark grey to black, wet, very soft, slightly organic. Small shells to 10mm throughout.			A						
			B	1.9					
			C	<1					
			D	2.8					
			E	<1					
			F	4.8					
SAND Grey, wet, loose, fine grained sand.		5.50	H	6	-11.76				
SANDY CLAY Medium to dark grey, moist, very soft to stiff. Fine to medium grained sand fraction.		7.00	J	7.0	-13.26				
			K	<1					
			L	8.5					
SILTY CLAY Brown to light grey, moist, very stiff with		9.50	M	12	-15.76				

(continued)

REMARKS
 ** Sample attempted but not successful.
 GEOLOGIST
 ENGINEER
 APPROVED
 DATE
☒ 76.2mm TUBE ☐ 76.2mm TUBE ☐ S.P.T. TEST ☒ WATER LEVEL

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

Form 23ZL(c)
(P) 1/10/74

PROJECT NORTH-SOUTH FREEWAY - RAIBELINE RIVER CROSSING HOLE No 27 (CONT.)
REF. H 4486
LOCATION DATUM
GROUND
JOB No PROJECT No DATE SURFACE
TYPE OF DRILLING: Solid Augering ☐ 76mm Hollow Augering ☒ Casing ☒ NMLC Coring ☒

STRATA DESCRIPTION		Depth	Field Samples & N Value	R.L.	ENGINEERING PROPERTIES	
Soil Type Lithology	Weathering				Parameters & Indices	MC(%) 20.0 60.0 100.0 140.0 0.5 1.0 1.5 2.0
SILTY CLAY (CONT.) rounded rock fragments to 10mm.		10.00		-16.26		
CLAYEY SAND Brown, wet, medium dense, fine grained sand.		10.80		-17.06		
DISCOMPOSED Dark grey, moist, hard, fine grained clayey silt. Rock structure intact.		11.80		-18.06		
SHALE Grey to brown, fine grained massive sedimentary rock. Fault & horizontal bedding.		12.43	102/30 Cora Rec 12.0%	-18.69	STRUCTURE	Intact Strength Defect Spacing
HIGHLY WEATHERED Defects predominantly subhorizontal thinly coated with clay.		13.58	(0) 96	-19.94	Interbedded coal seam	
HIGHLY WEATHERED Orange brown discolouration throughout.		14.68	(0) 100 (0) 100	-20.94	Permeability 1.0 Lugeon Units.	
MODERATELY WEATHERED Defects predominantly subhorizontal thinly coated with brown iron oxides.		16.51	(54) 100 (77) 100 (18) 92	-22.72	Dark grey, interbedded shale band with coal seams to 2mm.	
SLIGHTLY WEATHERED					moderately weathered shale band.	

REMARKS (continued) x Axial Point Load Test
Rock Quality Designation (RQD) shown in brackets above
CORE RECOVERY
GEOLOGIST
ENGINEER
APPROVED
DATE

50mm TUBE 76mm TUBE S.P.T. TEST WATER LEVEL

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG



Form 03ZL(d)
(P) 1/10/74

PROJECT NORTH-SOUTH FREEWAY - BRISBANE RIVER CROSSING HOLE No. 27 (cont.)
REF. H. 4486
LOCATION DATUM
GROUND
JOB No. PROJECT No. DATE SURFACE
TYPE OF DRILLING Solid Augering ☐ 76.2mm Hollow Augering ☐ Casing ☒ MILL Casing ☒

STRATA DESCRIPTION		Depth m	Core Rec. m	R.L. m	Graphic Log	STRUCTURE	ENGINEERING PROPERTIES	
Soil Type	Weathering						Comp. Index	Color
Liability		20.00		1:50 -26.26		Crushed sand.		
SANDSTONE (CONT.)	WEATHERED (CONT.)							
		21.96	(55) 84	-26.22		Interbedded shale band.		
END OF HOLE								

REMARKS: 200m depth of weathering (W) shown by weathering logs.
GEOLOGIST
ENGINEER
APPROVED
DATE
Decomposed ☐ High ☐ Moderate ☐ High ☐ Core Loss ☐