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ARUP

Geotechnics

BOREHOLE RECORD

HOLE

BH5

SHEET 1

OF 2

 PROJECT Yandina Highway Upgrading
 Preliminary Geotechnical Investigation

 LOCATION see Fig.2.
 GROUND LEVEL

 CONTRACTOR Christensen Drilling
 DRILL MODEL Jacro 350
 MOUNTING Truck
 ANGLE 90
 BEARING -
 DIAMETER 100mm

 LOGGED BY PFW/BS
 DATE/S 20 OCT '93

DRILLING		STRATA		MATERIAL DESCRIPTION		CONDITION		OBSERVATIONS	
SAMPLE, TEST, BIT, SUPPORT ETC	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER/MOISTURE	CONSISTENCY		SOIL ORIGIN STRUCTURE, ETC
	AHD	m					W	U	
AD-T		1.0	SC		Silty CLAY: dark brown, medium plasticity, medium grained sand.	M			ALLUVIUM
SPT:2,2,3 *N= 5		1.5			As Above:				
AD-T		2.0							
		2.5	GC		Clayey Gravelly SAND: dark brown, low plasticity clay, medium grained sand and some gravel (<15mm).				
SPT:4,3,2 N= 5		3.0							
AD-T		4.0							
SPT:7,10,12 N= 22		4.5							
		5.0			No Recovery of material from either W-RR or the SPT (6.0m).				
W-RR(C)		6.0							
SPT:8,12,20 /90 bouncing refusal		6.85							
W-RR(C)		7.0			Washbore - Rock Rolling refusal at 6.85m. Borehole continued by coring - see Sheet 2.				
		8.0							

NOTES

1. Auger drilled to 4.5m. Hole collapsing below 3m. Casing was therefore installed, and washboring commenced.

FIGURE

JOB

747214



CORED BOREHOLE RECORD

SHEET 2
OF 2

HOLE **BH5**

PROJECT Yandina Highway Upgrading Preliminary Geotechnical Investigation	LOCATION see Fig.2.
CONTRACTOR Christensen Drilling	LOGGED BY PFW/BS
DRILL MODEL Jacro 350	DATE/S 20 OCT '93
MOUNTING Truck	ANGLE 90 BEARING - DIAMETER 100mm

DRILLING		STRATA		MATERIAL DESCRIPTION				DISCONTINUITIES					
CASING RUN, REC. (%)	WATER	SAMPLE TEST	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WEATHERING	ESTIMATED ROCK STRENGTH	SO FREQUENCY TO (per m)	SPECIFIC		GENERAL CONDITION
			AHD	m							TYPE	THICKNESS (mm)	
				0.0									
				1.0									
				2.0									
				3.0									
				4.0									
				5.0									
				6.0									
				6.85									
100%				7.0			ALTERED SEDIMENTARY ROCK: purple-grey, fine grained, some breccia zones.	HW					Core recovered extremely friable.
				7.25			BH5 terminated at required depth 7.25m.						
				8.0									

NOTES 1. BH5 terminated at 7.25m because bedrock level has been proven.	TYPE OF DISCONTINUITY Jo-JOINT Be-BEDDING PLANE PARTING Fo-FOLIATED PARTING Ci-CLAY SEAM We-WEATHERED SEAM Cr-CRUSHED SEAM Sh-SHEARED ZONE	FIGURE	JOB <p style="text-align: center; font-size: 1.2em; font-weight: bold;">747214</p>
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