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BOREHOLE RECORD

HOLE **BH11**

SHEET 1
OF 3

PROJECT Yandina Highway Upgrading
Preliminary Geotechnical Investigation

LOCATION see Fig.2.
GROUND LEVEL

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

LOGGED BY BS
DATE/S 21 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							
		AHD	m						U ₁	U ₂	U ₃		U ₄	U ₅	U ₆	U ₇
AD-T		0.0		CL	CLAY: grey - brown, low to medium plasticity, traces of silt.	M									ALLUVIUM	
		1.0					CLAY: brown - grey, medium plasticity, traces of silt.									
		1.1														
		1.5														
SPT: 4,6,10 *N=16																
AD-T		2.0			Clayey Silty SAND: yellow - brown, low plasticity clay, fine grained sand with some silt.											
		2.4														
		3.0														
SPT: 6,12,17 *N=29																
AD-T		3.4			Clayey Silty SAND: yellow - brown, low plasticity clay, fine grained sand with some silt.											
		3.5		SC / SM												
		4.0														
SPT: 8,14,17 *N = 31					Silty CLAY: grey, low to medium plasticity, some silt content.											
AD-T		4.4		CL												
		4.5														
		5.0														
SPT: 5,3,4 *N = 7					Clayey Silty SAND: grey - brown traces of low plasticity clay, some fine silt and medium to coarse sand, traces of fine gravel (2mm).											
W-RR(C)		5.6		SM / SC												
		6.0														
		7.0														
SPT: 2,5,8 *N = 13					Gravelly SAND: grey, fine through to coarse sand with some fine to medium gravel, poorly graded.											
		7.5		SP												
		8.0														

NOTES

FIGURE

JOB

747214

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Geotechnics

BOREHOLE RECORD

HOLE **BH11**

SHEET 2
OF 3

PROJECT	Yandina Highway Upgrading Preliminary Geotechnical Investigation		LOCATION	see Fig.2.	
CONTRACTOR	Christensen Drilling	ANGLE	90	LOGGED BY	BS
DRILL MODEL	Jacro 350	BEARING	-	DATE/S	22 OCT '93
MOUNTING	Truck	DIAMETER	100mm		

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION	OBSERVATIONS							
	SAMPLE, TEST, BIT, SUPPORT ETC	R.L.	DEPTH	GROUP SYMBOL				LEGEND	SOIL TYPE	WATER/MOISTURE	CONSISTENCY	SOIL ORIGIN STRUCTURE, ETC		
	AHD	m			Colour, Plasticity, Grain Size, Minor Components		VS	LL	PL	SI	US	MS	PS	
W-RR(C)		8.0	SP		Gravelly SAND: grey, fine through to coarse sand, with some fine to medium gravel, traces of coarse gravel, poorly graded.	M								ALLUVIUM
SPT: 22,23,- refusal		9.0			VOLCANIC TUFF: grey-green, highly weathered									HW ROCK
		9.3			Washbore - Rock Rolling refusal at 9.30m. Borehole continued by coring. See sheet 3.									
		10.0												
		11.0												
		12.0												
		13.0												
		14.0												
		15.0												
		16.0												
NOTES						FIGURE						JOB	747214	

CORED BOREHOLE RECORD

SHEET 3
OF 3

HOLE **BH11**

PROJECT	Yandina Highway Upgrading Preliminary Geotechnical Investigation	LOCATION	see Fig.2.
CONTRACTOR	Christensen Drilling	ANGLE	90
DRILL MODEL	Jacro 350	BEARING	-
MOUNTING	Truck	DIAMETER	100mm
LOGGED BY	BS	DATE/S	22 OCT '93

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	FREQUENCY TO FREQUENCY (per m)	SPECIFIC		GENERAL CONDITION Planarity, Roughness, Coating, Infill		
			AHD	m							TYPE	ANGLE THICKNESS (mm)			
				8.0			Borehole 11 Auger drilled from 0.0m to 6.5m. Washbore Rock Rolling continued from 6.5m to 9.3m. Refer to Sheets 1 and 2 for description.								
				9.0			Poor core recovery, due to gravel fall in and clay matrix washed away by coring process.								
				9.30											
				9.55											
				9.65			CORE LOSS (100mm)								
				10.0			VOLCANIC TUFF: grey and brown, brecciated, alternating zones of SW rock and heavily fractured HW rock with numerous clay seams.	HW to SW						Numerous clay seams and brecciated zones	
				10.30			CORE LOSS (150mm)								
				10.45			As Above:	HW to SW							
				10.9			BH11 terminated at required depth 10.9m.								
				11.0											
				12.0											
				13.0											
				14.0											
				15.0											
				16.0											

NOTES	TYPE OF DISCONTINUITY	FIGURE	JOB
1. First core run only recovered fine to medium coarse grained gravel consisting of some fall in material and some insitu core therefore hole cased down to 1.5m to prevent fall in. 1 and 2 for description.	Jo-JOINT Be-BEDDING PLANE PARTING Fo-FOLIATED PARTING Cl-CLAY SEAM We-WEATHERED SEAM Cr-CRUSHED SEAM Sh-SHEARED ZONE		747214