ARUP Geotechnics

BOREHOLE RECORD

HOLE BH102 SHEET 1 OF 1

PROJECT Nundah Bypass

LOGGED BY MS/PF
DATES 19/1/99

CONTRACTOR Daly Bros
DRILL MODEL DB1000
MOUNTING Tandem Drive Truck

ANGLE Vertical
BEARING
DIAMETER NMLC

GROUND LEVEL RL 12.48
EASTING 40381
NORTHING 39001

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION			OBSERVATION
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L. AHD	DEPTH m	GROUP SYMBOL	LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER / MOISTURE	CONSISTENCY: COHESIVE VS S F ST VST H	CONSISTENCY: NON COHESIVE VL L MD D VD	SOIL ORIGIN, STRUCTURE, ETC.
Wash boring Rock roller bit		0.3			Bitumen pavement over gravel road base				ROAD BASE
			CH		Gravelly CLAY: Light brown, medium to high plasticity, with fine to medium size sub-rounded gravel	M			RESIDUAL SOIL / ALLUVIUM?
SPT @ 1m 6/7/6 N=13		1							
		2			Driller noted material becoming stiffer				XW ROCK
SPT @ 2.5m 9/13/19 N=32		2.5			SANDSTONE: Mottled grey and red brown, fine grained sand in a high plasticity clayey matrix, occasional thin ironstone bands, trace of organic material, extremely low strength, extremely weathered				
		3							
SPT @ 4m 7/11/16 N=27		4							
		5							
SPT @ 5.5m 12/22/34 N=56		5.5			Material becoming harder				
		6			Start coring at 6.0m Refer to cored borehole logs				
		7							
		8							

NOTES
1. Groundwater not encountered prior to commencement of washboring

JOB
11177/1

FN30.14 October 1994

ARUP Geotechnics

CORED BOREHOLE RECORD

HOLE BH102 | SHEET 1 OF 2

PROJECT Nundah Bypass

LOGGED BY MS/PF
DATE/S 19/1/99

CONTRACTOR Daly Bros
DRILL MODEL DB1000
MOUNTING Tandem Drive Truck

ANGLE Vertical
BEARING
DIAMETER NMLC

GROUND LEVEL RL 12.48
NORTHING 39001
EASTING 40381

DRILLING			STRATA			MATERIAL DESCRIPTION			DISCONTINUITIES				
RUN REC. (%)	WATER	SAMPLE TEST	R.L. AHD	DEPTH m	LEGEND	ROCK TYPE Colour, Grain Size, Structure, Minor Components	WEATHERING	ESTIMATED ROCK STRENGTH	FREQUENCY (per m)	SPECIFIC TYPE	SPECIFIC ANGLE	SPECIFIC THICKNESS (mm)	GENERAL DESCRIPTION Roughness Class, Coating, Infill
								EL VL L M H VH EH	1 3 10 30				
				1									
				2									
				3									
				4									
				5									
				6		Start coring at 6.0m							
43%							XW						
						SANDSTONE: Light grey with red brown							
						6.0 Ironstone bands, fine grained							
						6.2							
						6.3 Ironstone band approximately 100mm							
						6.7 Core loss 400mm	DW						
95%				7									
						7.2 SANDSTONE: Orange brown with iron staining, fine grained							
				8									

NOTES

TYPE OF DISCONTINUITY

Jo	JOINT
Be	BEDDING PLANE PARTING
Fo	FOLIATION PARTING
Cl	CLAY SEAM
We	WEATHERED SEAM
Cr	CRUSHED SEAM
Sh	SHEARED ZONE

JOB 11177/1

FN32.14 October 1994

ARUP Geotechnics — CORED BOREHOLE RECORD

HOLE BH102 | SHEET 2 OF 2

PROJECT Nundah Bypass

LOGGED BY MS/PF
DATE/S 19/1/99

CONTRACTOR Daly Bros | ANGLE Vertical
DRILL MODEL DB1000 | BEARING
MOUNTING Tandem Drive Truck | DIAMETER NMLC

GROUND LEVEL RL 12.48
NORTHING 39001
EASTING 40381

DRILLING | STRATA | MATERIAL DESCRIPTION | DISCONTINUITIES

RUN REC. (%)	WATER	SAMPLE TEST	R.L. AHD	DEPTH m	LEGEND	ROCK TYPE Colour, Grain Size, Structure, Minor Components	WEATHERING	ESTIMATED ROCK STRENGTH	FREQUENCY (per m)	SPECIFIC TYPE	SPECIFIC ANGLE	SPECIFIC THICKNESS (mm)	GENERAL DESCRIPTION Roughness Class, Coating, Infill
86%				8.12		Core loss 80mm							
				8.2									
				9									
				9.3		SANDSTONE: Orange brown, fine grained, loosely cemented	XW						
				9.47									
				9.7		Core loss 230mm							
53%				10		Core loss 700mm							
				10.4		SANDSTONE: Orange brown, fine grained, loosely cemented	DW						
				10.7		SANDSTONE: Orange brown with red brown iron staining, fine to medium grained, with occasional softer bands and ironstone lenses							
100%				11									
				11.2									
				12									
						End BH102 at 12.6m							
				13									
				14									
				15									
				16									

NOTES

TYPE OF DISCONTINUITY

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