ARUP Geotechnics

BOREHOLE RECORD

HOLE BH106 | SHEET 1 OF 1

PROJECT Nundah Bypass

LOGGED BY MS/PF
DATES 22/1/99

CONTRACTOR Daly Bros
DRILL MODEL DB1000
MOUNTING Tandem Drive Truck

ANGLE Vertical
BEARING
DIAMETER NMLC

GROUND LEVEL RL 22.76
EASTING 40419
NORTHING 38799

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; NON COHESIVE VL L MD D VD		SOIL ORIGIN, STRUCTURE, ETC.
Wash boring		0.3	CL		Topsoil	M			TOPSOIL
					CLAY: Red brown, low plasticity				RESIDUAL SOIL
SPT @ 1m 3/5/8 N=13		1.0							
		2							
SPT @ 2.5m 7/15/30 N=45		2.5	CH		Sandy CLAY: Light grey with red brown iron staining, high plasticity, medium grained sand in a clayey matrix				XW ROCK
		3							
SPT @ 4m 24/37/110mm N=R		4.0			Sandy CLAY: Light grey with some iron staining, medium to high plasticity, medium grained sand in a clayey matrix				
					Start coring at 4.3m Refer to cored borehole logs				
		5							
		6							
		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 BH106 | SHEET 1 OF 4

PROJECT Nundah Bypass

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DATE/S 22/1/99

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ANGLE Vertical
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NORTHING 38799
EASTING 40419

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 (EL VL L M H VH EH)	FREQUENCY (per mm) 1 3 10 30	SPECIFIC TYPE	SPECIFIC ANGLE	SPECIFIC THICKNESS (mm)	GENERAL DESCRIPTION Roughness Class, Coating, Infill
100%				4		Start coring at 4.3m							
				4.3		SANDSTONE: Mottled grey with red brown iron staining, fine to medium sand in clay matrix	XW						
				5									
				5.6		Core loss 250							
84%				6									
				6.0		SILTSTONE: Grey with red brown iron staining, traces of sand, occasional ironstone bands							
				7									
70%				7.2									
				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 BH106 | SHEET 2 OF 4

PROJECT Nundah Bypass

LOGGED BY MS/PF
DATE/S 22/1/99

CONTRACTOR Daly Bros
DRILL MODEL DB1000
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ANGLE Vertical
BEARING
DIAMETER NMLC

GROUND LEVEL RL 22.76
NORTHING 38799
EASTING 40419

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 mm)	SPECIFIC TYPE	SPECIFIC ANGLE	SPECIFIC THICKNESS (mm)	GENERAL DESCRIPTION Roughness Class, Coating, Infill
70%				8.25		Core loss 450mm							
				8.7									
100%				9		SILTSTONE: Light grey, some fine grained sand in a hard silty clay matrix							
				9.9									
				10		SANDSTONE: Orange brown staining, fine to medium grained							
13%				10.2		Core loss 1200mm							
				11									
100%				11.4		Core loss 100mm							
				11.9			DW						
84%				12									
				12.9		Core loss 100mm							
				13									
100%				13.5									
				13.8		SILTSTONE band 200mm, grey							
				14		SANDSTONE: Orange brown staining, medium grained							
				14.6									
100%				14.7		SILTSTONE: Dark grey							
				15									
				15.4		SANDSTONE: Light grey, fine grained, traces of silt							
				16									

NOTES

TYPE OF DISCONTINUITY

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Be	BEDDING PLANE PARTING
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Cl	CLAY SEAM
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Cr	CRUSHED SEAM
Sh	SHEARED ZONE

JOB 11177/1

FN32.14 October 1994

ARUP Geotechnics

CORED BOREHOLE RECORD

HOLE BH106 | SHEET 3 OF 4

PROJECT Nundah Bypass

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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 mm)	SPECIFIC TYPE	SPECIFIC ANGLE	SPECIFIC THICKNESS (mm)	GENERAL DESCRIPTION Roughness Class, Coating, Infill
100%				16.15									
				17									
100%				17.75									
				18									
100%				18.6		SILTSTONE lens 50mm							
				19									
100%				19.35									
				20									
100%				20.6		SILTSTONE lens 50mm							
				20.9						Be	0	0	Smooth, stepped
				21 20.95		SILTSTONE: Dark grey				Jo	70	0	High angle to near vertical, smooth, flat
100%				22									
				22.55		Occasional thin Sandy lenses							
100%				23									
				24									

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

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ARUP Geotechnics

CORED BOREHOLE RECORD

HOLE BH106 | SHEET 4 OF 4

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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 mm)	SPECIFIC TYPE	SPECIFIC ANGLE	SPECIFIC THICKNESS (mm)	GENERAL DESCRIPTION Roughness Class, Coating, Infill
100%			24.15	24.15									
			24.6	24.6		SANDSTONE: interbedded bands of light grey, high strength sandstone, and dark grey, low strength siltstone							
				25									
				26		End BH106 at 25.75m							
				27									
				28									
				29									
				30									
				31									
				32									

NOTES

TYPE OF DISCONTINUITY

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