ARUP Geotechnics

BOREHOLE RECORD

HOLE BH2 | SHEET 1 OF 2

PROJECT QUT U Block

LOGGED BY MS
DATES 18/12/98

CONTRACTOR Paddy Christensen Drilling
DRILL MODEL Jacro 350
MOUNTING 4WD Truck

ANGLE Vertical
BEARING
DIAMETER

GROUND LEVEL
EASTING
NORTHING

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.
Auger Drilling		0.4			Sandy Gravelly CLAY: Dark Brown	M		FILL?
			CH		Grading with depth to Sandy CLAY: Mottled grey and red brown, high plasticity with fine grained sand			FAULT ZONE MATERIAL ?
SPT @ 1.5m 1/4/6 N=10		1.5						
		2			Consistency increasing with depth. Becoming sandier with depth, with a trace of medium, rounded to subangular gravel			
SPT @ 3m 10/21/28 N=49		3			Mostly Sandy Silty CLAY: Mottled grey and red brown, low to medium plasticity, fine sand in silty clay matrix			
		4						
SPT @ 4.5m 6/7/8 N=15		4.5	SC		Grading to Clayey SAND: Mottled grey and orange brown, with medium plasticity fines	W		
		5						
		6						

NOTES
1. Groundwater encountered at approximately 4.5m

JOB 66/687

FN30.14 October 1994

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BOREHOLE RECORD

HOLE BH2 SHEET 2 OF 2

PROJECT QUT U Block

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DATES 18/12/98

CONTRACTOR Paddy Christensen Drilling
DRILL MODEL Jacro 350
MOUNTING 4WD Truck

ANGLE Vertical
BEARING
DIAMETER

GROUND LEVEL
EASTING
NORTHING

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.
SPT @ 6m 7/12/14 N=26			SC		Clayey SAND: Colour mostly grey with bands of brown clayey sand, with low plasticity fines			
Wash Boring		7						
SPT @ 7.5m 13/24/33 N=57								
		8			Start of Coring at 7.95m Refer Cored Borehole Logs			
		9						
		10						
		11						
		12						

NOTES
1. Groundwater encountered at approximately 4.5m

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ARUP Geotechnics

CORED BOREHOLE RECORD

HOLE BH2 | SHEET 2 OF 2

PROJECT QUT U Block

LOGGED BY MS
DATE/S 18/12/98

CONTRACTOR Paddy Christensen Drilling
DRILL MODEL Jacro 350
MOUNTING 4WD Truck
ANGLE Vertical
BEARING
DIAMETER NMLC

GROUND LEVEL
NORTHING
EASTING

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
90%				7									
				8		Start of coring at 7.95m							
						7.95 CORE LOSS							
						Sandy CLAY: Mottled grey, red and orange brown, medium to high plastcity, hard	XW						
92%				8.5		Grading to fine sand to medium subrounded and subangular gravel in hard CLAY matrix. Clay is mottled grey, orange and yellow. Occasional softer bands. Occasional bands of coarse gravel and intact red quartzite rock							
				9									
						9.35 CORE LOSS							
78%						CORE LOSS							
						End of Borehole at 9.8m							
				10									
				11									
				12									

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 66/687

FN32.14 October 1994