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BOREHOLE RECORD

SHEET 1

HOLE BH101

OF 4

PROJECT Southbank Parklands Redevelopment

LOGGED BY MS
DATES 11/2/99

CONTRACTOR R&D Drilling
DRILL MODEL Hydro Power Scout
MOUNTING Tracks

ANGLE Vertical
BEARING
DIAMETER

GROUND LEVEL RL 3.5m
EASTING 1548.06
NORTHING 1165.89

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION		OBSERVATION									
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					COHESIVE				NON COHESIVE						
							VS	SL	ST	VST	HL	VL	J	MD		D	VN
Augering		0.3	GM		TOPSOIL: Dark brown loam	M											ALLUVIUM
		1.0	CL		Silty GRAVEL: Fine grained, angular in a high plasticity clayey matrix, ocassional cobbles												
SPT @ 1.0 2/1/1 N=2		1.6	CH		Silty CLAY: Brown, low to medium plasticity, plasticity increasing with depth												
Wash Boring		2.5			Silty CLAY: Brown, high plasticity												
U (50)		3.0			Driller noted change in colour to grey CLAY: Grey, high plasticity, decaying organic material with stong odour, trace silt												
		4.0															
SPT @ 4.0 0/0/0 N=0		5.5															
U (50) Pushed in by hand		7.0															
		8.5															
SPT @ 7.0 0/0/0 N=0																	
U (50) Pushed in by hand																	

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BOREHOLE RECORD

HOLE BH101

SHEET 2

OF 4

PROJECT Southbank Parklands Redevelopment

LOGGED BY MS

DATES 11/2/99

CONTRACTOR RGD Drilling
 DRILL MODEL Hydro Power Scout
 MOUNTING Tracks

ANGLE Vertical
 BEARING
 DIAMETER

GROUND LEVEL RL 3.5m
 EASTING 1548.06
 NORTHING 1165.89

DRILLING	STRATA			MATERIAL DESCRIPTION	CONDITION		OBSERVATION											
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					COHESIVE				NON COHESIVE							
							VS	S	FL	ST	VST	H	VL	L	MD	DO	VD	
		11	CH															
SPT @ 11.5 3/4/6 N=10		11.5	GP		GRAVEL: Coarse sand to fine rounded and sub-angular gravel, thin peaty bands													
		12																
		13																
		14																
SPT @ 14.5 5/5/5 N=10		14.5			Gravel becoming more coarse													
		15																
		16																
		16.5	CH		Driller noted change back to grey clay CLAY: Grey, high plasticity, some coarse sub-angular gravel													
		17																
SPT @ 17.5 0/0/0 N=0		17.5																
		18																
		18.3			Becoming slightly firmer with occasional gravelly/sandy bands													
		19																
			SW		Sand and gravel bands becoming more frequent													
		20			SAND: Fine grained													

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BOREHOLE RECORD

SHEET 3

HOLE BH101

OF 4

PROJECT Southbank Parklands Redevelopment

LOGGED BY MS

DATES 11/2/99

CONTRACTOR R&D Drilling
DRILL MODEL Hydro Power Scout
MOUNTING Tracks

ANGLE Vertical
BEARING
DIAMETER

GROUND LEVEL RL 3.5m
EASTING 1548.06
NORTHING 1165.89

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION	OBSERVATION												
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					COHESIVE						NON COHESIVE						
							VS	SL	ST	VST	HL	VL	JL	MD	DO	VD			
		20.5	SW																
SPT @ 20.5 3/6/6 N=12		21																	
		22.0	CH		CLAY band 900mm														
		22.9	SW		Driller noted change to gravel SAND: Fine grained, occasional clayey bands														
SPT @ 23.5 5/8/14 N=22		23.5																	
		24																	
		25			Driller noted mostly sand 23.5-26.1														
		26.1	GP		Driller noted coarse gravel Sandy GRAVEL: Coarse sand to coarse gravel, rounded to sub-angular														
SPT @ 26.5 14/11/12 N=23		26.5																	
		27																	
		28																	
		29																	
SPT @ 29.5 13/13/15 N=28		29.5			Gravel becoming medium angular														
		30.0																	

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BOREHOLE RECORD

HOLE BH101

SHEET 4
OF 4


PROJECT Southbank Parklands Redevelopment

LOGGED BY MS
DATES 11/2/99

CONTRACTOR R&D Drilling
DRILL MODEL Hydro Power Scout
MOUNTING Tracks

ANGLE Vertical
BEARING
DIAMETER

GROUND LEVEL RL 3.5m
EASTING 1548.06
NORTHING 1165.89

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION	OBSERVATION								
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					COHESIVE				NON COHESIVE				
							VS	SL	ST	HT	VL	ML	DL	VD	
		30.3	GP		Driller noted possible change to rock										
SPT @ 30.3 30/100mm N=R					Start Coring at 30.4m										
		31													
		32													
		33													
		34													
		35													
		36													
		37													
		38													
		39													
		40													

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FN30.14 October 1994

CORED BOREHOLE RECORD

HOLE **BH101**

SHEET 4

OF 4

PROJECT Southbank Parklands Redevelopment

LOGGED BY PBF
DATE/S 25/3/99

CONTRACTOR R&D Drilling
DRILL MODEL Hydro Power Scout
MOUNTING Tracks

ANGLE Vertical
BEARING
DIAMETER NMLC

GROUND LEVEL
NORTHING
EASTING

DRILLING			STRATA			MATERIAL DESCRIPTION			DISCONTINUITIES			
RUN REC. (%)	WATER	SAMPLE TEST	R.L.	DEPTH	LEGEND	ROCK TYPE Colour, Grain Size, Structure, Minor Components	WEATHERING	ESTIMATED ROCK STRENGTH	FREQUENCY (per mm)	SPECIFIC		GENERAL DESCRIPTION
			AHD	m						TYPE	THICKNESS (mm)	
						Start Coring at 30.4m						
100%		Is (50) =0.33		30.5		PHYLLITE: Grey/green to grey brown, highly fractured	SW			Cl	60	Open joints filled with marine clay
		Is (50) =0.21		30.6						Cl	110	
				31.0						Cl	30	
100%				31.3		PHYLLITE: Dark grey with quartz veins in foliations, fractured	FR			Cr	100	Crushed band with some intact rock
				31.6						Sh	300	
100%				31.8						Fo	60	
100%		Is (50) =1.46		32								Continuous foliations with quartz veins parallel to foliation planes
		Is (50) =0.47		33								
				33.1						Jo	0	
						End BH101 at 33.5m						
				34								
				35								
				36								
				37								
				38								
				39								
				40								

NOTES

TYPE OF DISCONTINUITY

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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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