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PROJECT LANG PARK STADIUM REDEVELOPMENT

LOGGED BY VL
DATE/S 23.10.00

CONTRACTOR SP & KF CHRISTENSEN ANGLE Vertical
DRILL MODEL JACRO 350 BEARING -
MOUNTING 4x4 TRUCK DIAMETER 50/75/100mm

GROUND LEVEL -RL 10.0m
LOCATION See Figure 2

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		MD	DD
SPT @ 0.5m 4/3/3 N=6		1			Asphalt Pavement 100mm Clayey GRAVEL: Brown/light brown, fine to medium gravel and quartz grains										FILL
SPT @ 1.5m 1/1/2 N=3		2			Colour grading to dark grey with some small brick fragments Sandy CLAY: Brown to dark brown grey, fine to medium gravel, high content of wood fragments, trace of rubber, thin metal plate fragments										
SPT @ 3.0m 1/1/5 N=6		3			Clayey/Gravelly SAND: Dark brown to black, occasional pottery fragments, fine to medium gravel, some wood and glass fragments	M									
		4			as at 3m										
SPT @ 4.5m 4/2/2 N=4		5				M/W									
		6													
SPT @ 6.0m 4/3/7 N=10		7			Clayey/Silty SAND becoming wet Sandy/Silty/Gravelly CLAY: Black with rootlets and organic matter	W									
	3.00	7.00													
SPT @ 7.5m 2/4/6 N=10															ALLUVIAL

NOTES

- 1) Groundwater encountered at approximately 6.5m below ground level
- 2) Standpipe monitoring well installed to 18.7m

JOB

12215

BOREHOLE TEST PIT BOREHOLE.GPJ ARUP.AUS.dwt 11/01/01

PROJECT LANG PARK STADIUM REDEVELOPMENT

 LOGGED BY VL
DATE/S 23.10.00

 CONTRACTOR SP & KF CHRISTENSEN
DRILL MODEL JACRO 350
MOUNTING 4x4 TRUCK
ANGLE Vertical
BEARING -
DIAMETER 50/75/100mm

 GROUND LEVEL ~RL 10.0m
LOCATION See Figure 2

DRILLING		STRATA		MATERIAL DESCRIPTION	CONDITION		OBSERVATION								
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL		LEGEND	WATER/MOISTURE		CONSISTENCY							
	AHD	m		SOIL TYPE Colour, Plasticity, Grain Size, Minor Components			COHESIVE	NON COHESIVE							
							VS	LL	ST	VST	H	VL	J	MD	D
SPT @ 9.0m 3 / 5 / 7 N = 12		9			Sandy GRAVEL with some clay and quartz fragments										ALLUVIAL
		10			Clayey GRAVEL/Gravelly CLAY: Brown to orange and dark grey, angular gravel, medium grained										
		11			GRAVEL: Fine to medium gravel and quartz fragments										
SPT @ 10.5m 2 / 2 / 4 N = 6	-1.00	11.00			No sample recovered from SPT										
		12			Clayey GRAVEL/Gravelly CLAY: Mottled orange brown and grey, fine to medium gravel										RESIDUAL
SPT @ 12.0m 5 / 8 / 10 N = 18		13													
		14			Gravelly CLAY: Mottled dark grey to grey, some iron staining, bordering xw rock										
SPT @ 13.5m 14 / 8 / 15 N = 23		15													
	-5.00	15.00													
SPT @ 15.0m 16 / 30 / 60mm N = Refusal	-5.21	15.21			XW PHYLLITE: Mottled orange brown and dark blue grey										XW ROCK

NOTES

- Groundwater encountered at approximately 6.5m below ground level
- Standpipe monitoring well installed to 18.7m

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PROJECT	LANG PARK STADIUM REDEVELOPMENT			LOGGED BY	VL
CONTRACTOR	SP & KF CHRISTENSEN	ANGLE	Vertical	DATE/S	23.10.00
DRILL MODEL	JACRO 350	BEARING	-	GROUND LEVEL	-RL 10.0m
MOUNTING	4x4 TRUCK	DIAMETER	50/75/100mm	LOCATION	See Figure 2

DRILLING			STRATA			MATERIAL DESCRIPTION										DISCONTINUITIES		
CASING RUN, REC. (%)	WATER	SAMPLE TEST	R.L.	DEPTH	LEGEND	ROCK TYPE Colour, Grain Size, Structure, Minor Components	WEATHERING	ESTIMATED ROCK STRENGTH			FREQUENCY (per m)	SPECIFIC			GENERAL DESCRIPTION			
			AHD	m				EL	M	EH		TYPE	ANGLE	THICKNESS (mm)				
				9														
				10														
				11														
				12														
				13														
				14														
				15														
						PHYLLITE: Mottled orange brown and blue grey	DW											
		Is(50) = 0.53																
	100%		-6.00	16.00														

NOTES	1) Groundwater encountered at approximately 6.5m below ground level 2) Standpipe monitoring well installed to 18.7m	TYPE OF DISCONTINUITY	JOB
		Jo JOINT Be BEDDING PLANE PARTING Fo FOLIATION PARTING Cl CLAY SEAM We WEATHERED SEAM Cr CRUSHED SEAM Sh SHEARED ZONE Qr QUARTZ SEAM	

CORED BOREHOLE BOREHOLE.GPJ ARUP.AUS.GDT 11/01/01

PROJECT LANG PARK STADIUM REDEVELOPMENT

LOGGED BY VL

DATE/S 23.10.00

CONTRACTOR SP & KF CHRISTENSEN

ANGLE Vertical

GROUND LEVEL ~RL 10.0m

DRILL MODEL JACRO 350

BEARING -

LOCATION See Figure 2

MOUNTING 4x4 TRUCK

DIAMETER 50/75/100mm

DRILLING			STRATA		MATERIAL DESCRIPTION						DISCONTINUITIES					
CASING RUN, REC. (%)	WATER	SAMPLE TEST	R.L.	DEPTH	LEGEND	ROCK TYPE Colour, Grain Size, Structure, Minor Components	WEATHERING			ESTIMATED ROCK STRENGTH	FREQUENCY (per m)	SPECIFIC			GENERAL DESCRIPTION Planarity, Roughness, Coating, Infill	
			AHD	m			EL	M	EH			1	3	10		30
100%		Is(50) = 0.89				PHYLITE: Dark blue grey with white foliation bands	SW						Qr	45	15	Slightly weathered quartz seam iron stains
100%				17		Clay seam 50mm thick, dark blue black clay							Jo	20	5	Iron stain
100%				18									Jo	20	1	Iron stain
													Cl	0	50	dark blue black clay
													Jo	0	0	
													Jo	75	2	Weathered seam
													Jo	30	0	
													Jo	20	0	slightly staggered
			-8.70	18.70												
						BH15 END										
				19												
				20												
				21												
				22												
				23												

NOTES

- Groundwater encountered at approximately 6.5m below ground level
- Standpipe monitoring well installed to 18.7m

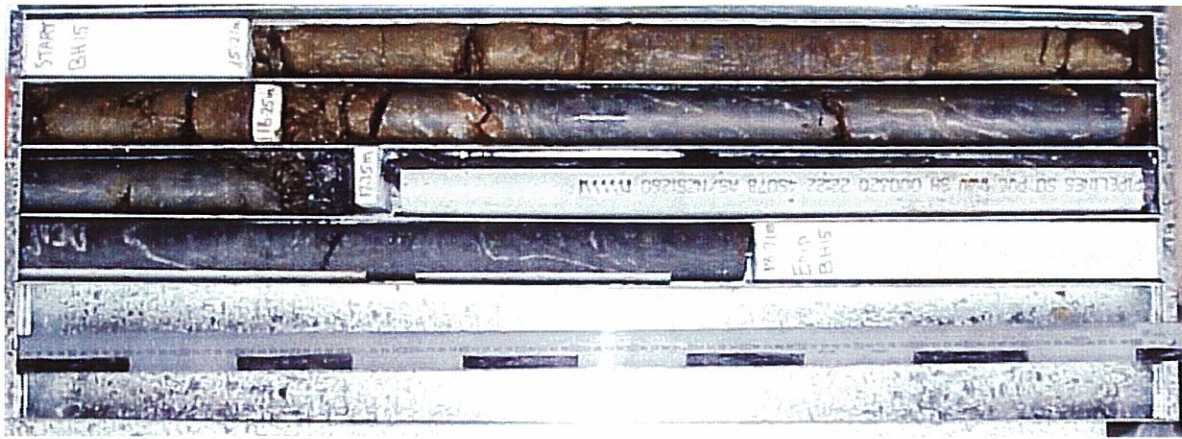
TYPE OF DISCONTINUITY

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

JOB

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Borehole 15

15.21m - 18.71m

Box 1 of 1