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ARII		·	OREHOLE RECORD			SHEET 1
Geotechr	nics	HOLE BH	1111	OF 1		
PROJECT	South West	Arterial		LOGGED BY PBF		-
CONTRACTOR	SP & KF	Christensen	Pty Ltd ANGLE Vertical	DATES 27/7/99 GROUND LEVEL RL 67.4		
DRILL MODEL	Jacro 35		BEARING	EASTING 491 260.7		
MOUNTING	4WD Truc	k	DIAMETER	NORTHING 9	39 050.9	
DRILLING	STRA		MATERIAL DESCRIPTION	CONDITION O		OBSERVATION
CAMBLE TEST		SYMBOL		CONSIST	TENCY	
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L. DEPTH	GROUP SYM LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	MATER / WASTUNE ST SCHESTAGE VST ST SCHESTAGE WAST SCHESTAGE	NON COHESIVE	SOIL ORIGIN, STRUCTURE, ETC.
. Augering	7110	cr =	Sandy CLAY (CL): Orange brown, medium	>ωμω>π:	<u> </u>	RESIDUAL
	+		plsticity]		
	‡			1		
-	 		O	_		
[† 1.4		Sandy CLAY / XW SANDSTONE, pale grey	_1		XW . SANDSTONE/.
	+ 1.5		. weaker band	1		XW .
	‡2		- SILTSTONE: Dark grey to black -	1		SILTSTONE
-	- 2.2		SILTSTONE: Light grey	1		
[Ţ 2.5		increasing in strength	1		
•	† ,		•	1		<u> </u>
SPT @ 3.0m 30/150mm	F		SILTSTONE: Dark grey	7 T		_
N=R	<u> </u>			1		-
- Wash	- 3.8		CANDOTONIC, Over en brown			
_ Boring -	-4 4.1		SANDSTONE: Orange brown			-
	+		SILTSTONE: Dark grey	<u> </u>		
[Ī		Start Coring at 4.5m	1		į
<u>[</u>	 5	-	-	1		-
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NOTES	JOB	· · · · · · · · · · · · · · · · · · ·				
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CNOCK AND A	100.4					
FN30.14 October 1	W¥4					

PROJECT South West Arterial CONTRACTOR SP & KF Christensen Ply Ltd ANGLE Vertical GROUND LEVEL R. 67.4 PRILLING Jacro 350 BEARING DIAMETER NMLC EASTING 491 280.7 DRILLING STRATA MATERIAL DESCRIPTION DISCONTINUITIES SAMPLE R.L. DEPTH OF COMMINISTRACTORY SINCE STRUCTURE SINCE STRUC	ARU	IP co	RED BOREHOLE REC	ORD		SHEET 1	
CONTRACTOR DRILL MODEL DATE: DRILLING DRICLING D				<u></u>			
DRILLING STRATA MATERIAL DESCRIPTION RICLING SAMPLE TEST RL DEPTH			-111				
Start Coring at 4.5m AHO n Start Coring at 4.5m AHO start Coring at 4.5m Start Coring at 4.5m Start Coring at 4.5m Start Coring at 4.5m AHO start Coring at 4.5m Start Coring at 4.5m Start Coring at 4.5m Coal band, highly fractured Start Coring at 4.5m Start Coring at 4.5m Coal band, highly fractured Start Coring at 4.5m Coal band, highly fractured, low strength 7.5s MUDSTONE: Bark grey, very low strength To Coal band, highly fractured, low strength To Coal band, highly fractured, low strength To Coal band, highly fractured, low strength To Coal band, low strength To Coal	DRILL MODEL	Jacro 350	BEARING	NORTHING 939 050.9			
SAMPLE R.L. DEPTH DEPT	DRILLING	STRATA	MATERIAL DESCRIPTION	DISC	ONTINUITIES		
Start Coring at 4.5m 4.8 SILTSTONE: Bark grey, very low strength 5.5 SILTSTONE: Bark grey, very low strength 5.5 SILTSTONE: Bark grey, very low strength, highly fractured zone 5.5 SILTSTONE: Bark grey, very low strength, highly fractured zone 5.5 SILTSTONE: Bark grey, very low strength, highly fractured zone 5.5 SILTSTONE: Bark grey, very low strength, highly fractured zone 5.6 SILTSTONE: Bark grey, very low strength, highly fractured zone 5.7 SILTSTONE: Bark grey, very low strength, highly fractured zone 5.8 SILTSTONE: Bark grey, very low strength 5.8 SILTSTONE: Bark grey, very low strength 5.9 SILTSTONE: Bark grey, very low strength 5.0 SILTSTONE: Bark grey, very low strength 5.1 SILTSTONE: Bark grey, very low strength 5.2 SILTSTONE: Bark grey, very low strength 5.3 SILTSTONE: Bark grey, very low strength 5.4 SILTSTONE: Bark grey, very low strength 5.5 SILTSTONE: Bark grey, very low strength 5.6 SILTSTONE: Bark grey, very low strength 6.7 SILTSTONE: Bark grey, very low strength 7.7 SILTSTONE: Bark grey, very low strength 8.1 SILTSTONE: Bark grey, very low strength 9.0 SILTSTONE: Bark grey, very low streng	8			SN TOTAL	SPECIFIC S	GENERAL DESCRIPTION	
Start Coring at 4.5m 4.5 Start Coring at 4.5m 4.6 SILTSTONE: Dark grey, very low strength 5.6 SILTSTONE: Dark grey, very low strength Nighly fractured zone 5.7 5.8 Decoming MUDSTONE 5.8 6.8 6.8 Coal Band, highly fractured, low strength 7.25 MUDSTONE: Dark grey, very low strength 1s60= 1.0MPa 0.85MPa 7.25 MUDSTONE: Bark grey, very low strength 0.85MPa 7.25 MUDSTONE: Dark grey, high strength 1.0M Jo 75 3 Rough, undulating Jo 75 3 Smooth, iron stained 4.0 Jo 75 3 Smooth, iron stained	MA TEC.	R.L. DEPTH NEW YORK AHD M	Colour, Grain Size, Structure,	H ROCK STRENGTH	FREGUE 30 (per in TYPE ANGLE THICKNES	Roughness Class, Coating, Infill	
NOTES TYPE OF DISCONTINUITY JO JOINT BE BEDDING PLANE PARTING FO FOLIATION PARTING CI CLAY SEAM WE WEATHERED SEAM CT CRUSHED SEAM Sh SHEARED ZONE MOUSTONES TYPE OF DISCONTINUITY JO JOINT BE BEDDING PLANE PARTING CI CLAY SEAM WE WEATHERED SEAM Sh SHEARED ZONE	Is50= 1.10MPa Is50= 0.85MPa	5.5 5.7 5.8 6.2 6.4 6.5 6.7 7.25 7.55	SILTSTONE: Dark grey, very low strength IRONSTONE: Red brown, low strength SILTSTONE: Dark grey, very low strength, highly fractured becoming MUDSTONE Coal band, highly fractured SANDSTONE: light brown, high strength Coal Band, highly fractured, low strength MUDSTONE: Dark grey, high strength, with thin interbedded coal seams Coal band, low strength MUDSTONE: Dark grey, medium to high strength, highly fractured	TYPE OF DIS JO JOINT BE BEDDIN FO FOLIAT CI CLAY SI WE WEATHE Cr CRUSHE	CONTINUITY G PLANE PARTING INCOMPARTING INC	highly fractured zone highly fractured siltstone Smooth, veneer clay coating Rough, undulating Smooth, iron stained Coal seam	

ARUP

SOUTH WEST ARTERIAL JOB # 11613

