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# GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 FINAL 22/12/2017

BH8

Sheet 1 of 3

BOREHOLE No

REFERENCE No

H12978

PROJECT	Beames Brook	Bridge Rep	lacement I	Project

OCATIO	ON	_										0	COORDINATES 324445.4	E; 802251	L8.8 N
ROJEC	T No	No FG6513 SURFACE RL 5.45m						PLUNGE 90° DATE STARTED 14/11/2017			GRID DATUM MGA94 Z54K				
DB No	No 23/78A/14			A/14		HEIGHT DATUM AHD	BEARING DATE COMPLETED 15/11/2017			DRILLER Saxon Drilling		ing			
DEPTH (m)	R.L. (m)	AUGER CASING	WASH BORING		RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
- 1	5.15					A	Gravelly SAND with Silt (Fill) Red brown, dry. Fine to coarse grained sand, rounded to sub- rounded. Fine to medium grained gravel. Silty CLAY (Alluvium) Brown and red brown, dry, very stiff. Medium plasticity. Trace fine to medium grained sand, sub-rounded. From 2.0m: Becomes stiff. Trace fine to medium gravel, subrounded		(SP)					7, 7, 8 N=15 7, 9, 11 N=20	SPT SPT
- 3						С	to subangular.							3, 3, 5 N=8	SPT
- 4						D	brown, very stiff.	<ul> <li><li><li><li><li><li><li><li><li><li></li></li></li></li></li></li></li></li></li></li></ul>	(CI)					6, 6, 10 N=16	SPT
- 5						E	From 4.5m: Becoming with Sand							4, 10, 13 N=23	SPT
- 6						F								6, 10, 12 N=22	SPT
	-0.95						Well Cemented GRAVEL (Alluvium) Grey and brown, medium to coarse gravel clasts in a fine grained	100000				6.50m-6.77m: Clayey	SAND layer, 2	3, 25/120mm hb	SPT
- 8					(0) 33 (0)	CORE	calcareous cement, medium to high strength. Gravel is subangular to subrounded.							50)=1.30 MPa 50)=2.36 MPa 15/100mm hb	A (7.05m) _ D (7.06m) _ 
- 9					<u>33</u> (0)	CORE									
	-4.05 -4.55				27	К	Silty CLAY (Alluvium) (See over)		(CH)					10, 18, 25 N=43	SPT
RE	MAR	KS:	:				Continued on next sheet						LOGGED BY	REVIE	WED BY
													R. Bruce	S.	Foley

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### **GEOTECHNICAL BOREHOLE LOG**

FINAL 22/12/2017

BH8

Sheet 2 of 3

COORDINATES 324445.4 E; 8022518.8 N

grid datum MGA94 Z54K

DRILLER Saxon Drilling

BOREHOLE No

REFERENCE No

H12978

12	635	Ц.	3	-	_							
Government						ernment	SY					
PROJECT		В	ear	nes Bro	ok	Bridge Replacement Project						
LOCATION											COOR	
PROJECT No		F	G6	513		SURFACE RL 5.45m	PLU	JNGE S	90°	DATE STARTED 14/11		
JOB No	2	3/7	8A/14		HEIGHT DATUM AHD		RING_		DATE COMPLETED 15/11/20			
DEPTH (m) DEPTH (m)	AUGER	CASING	WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	ГІТНОГОСУ	USCS WEATHERING	INTACT STRENGTH 표,동,ェ,동,그,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ADDI TES	
					L M N	Silty CLAY (Alluvium) Cont'd. Pale grey mottled yellow brown, dry, hard. High plasticity. Trace fine to coarse grained sand. Very thin silcrete layers.		(CH)				

DEPTH (m)	R.L. (m)	ER	CASING WASH BORING	E DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
		AUC	CAS	COL			Silty CLAY (Alluvium) Cont'd. Pale grey mottled yellow brown, dry, hard. High plasticity. Trace fine to coarse grained sand.	×   ×   ×   ×	>	≝,≍,≍,⇒,≓ - - - - - - - - - - - - - - - - - -	₩920¥83 		12, 18, 26 N=44	SPT
- 11						М	Very thin silcrete layers.						13, 18, 23 N=41	SPT
- 12						N			(CH)				10, 15, 19 N=34	SPT
- 13	-8.55					0			-				14, 20, 23 N=43	SPT
- 15						D	Sandy CLAY (Alluvium) Pale brown mottled yellow brown, moist, hard. Fine to coarse grained sand. Medium to high plasticity.		(CI)				7, 17, 24 N=41	SPT
- 16	-10.45	-			(100)	Q	SILTSTONE					15, 7	29, 30/80mm hb	SPT
- 17					()		MW: Pale grey mottled orange and red brown, fine grained, mainly high strength. - Strong iron alteration throughout. - J's: 0°-15° (1/m), Pl/Un/Ro, TI-OP, FeSt.	*****			w	Is(5	S=16.50 MPa (0)=2.80 MPa (0)=2.83 MPa	(16.12m) A (16.33m) D (16.34m)
- 18								*****	мw	н				
- 19								* * * * * * * * * * * * * * * * * * * *		MH	M	Is(5 Is(5	i0)=1.99 MPa i0)=0.39 MPa	A (18.58m) D (18.59m)
							Continued on next sheet	XX						-
RE	MAR	KS	5:									LOGGED BY	REVIE	WED BY
												R. Bruce		Foley
							TMR G	EOTEC	HNICAL B	DREHOLE LOG - CREATED \	WITH HOLEBASE SI			

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# GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 FINAL 22/12/2017 BH8

BOREHOLE No

REFERENCE No

H12978

PROJECT	Beames Broo	k Bridge	Replacen	nent Project

LOCATION					COORDI	NATES 324445.4 E	; 8022518.8 N	
PROJECT No	FG6513	SURFACE RL 5.45m	plunge 90°	DATE STAR	RTED 14/11/2017	GRID DATUM MGA94 Z54K		
JOB No	23/78A/14	HEIGHT DATUM AHD	BEARING DATE COMPLETED 15/11/2017			DRILLER Saxon Drilling		
(m) R.L. (m)	RQD ()% SWITCHWC SWITCHWC SWITCHWC SWITCHWC REC% REC%	MATERIAL DESCRIPTION	USC		ADDITI TEST	ONAL DATA AND RESULTS	SAMPLES TESTS	
- 21 - 15.35 - 21 - 22 - 22 - 23 - 23 - 23 - 24 - 23 - 24 - 23 - 24 - 25 - 25 - 25 - 26 - 27 - 27 - 28 - 29 - 29		SILTSTONE MW: Cont'd. Borehole completed at 20.80m						
							I	
REMAR	<s:< td=""><td></td><td></td><td></td><td></td><td><b>DGGED BY</b> R. Bruce</td><td>S. Foley</td><td>BY</td></s:<>					<b>DGGED BY</b> R. Bruce	S. Foley	BY
		TMR (	GEOTECHNICAL BOREHOI	LE LOG - CREATED WITH HOLEBASE SI			3. FULLY	

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