

## N.C.D.O.T. GEOTECHNICAL UNIT **BORING LOG**

Ve:														SH	EET 1 OF	1
PROJE	CT NO.	8.T3	11002			ID.	R-2552/	AB	С	OUNTY	John	ston		GEOLOGIST	M. Lear	
SITE D	ESCRIP	TION	Site 1	: Dual S	Structu	res on	Clayton	bypass	(-L-) ove	er White	Oak C	reek (	Aust	in pond)	GROUN	D WATER (m)
BORIN	G NO.	EB1-A	b RL	BC	RING	LOCA	TION	39+91.8		OFFS	ET 6.8	m RT		ALIGNMENT -L-	0 HR.	3.1
COLLAR ELEV. 64.55 m NORTHING						208	,473.1			EAST	ING 6	52,827	7.9		24 HR.	2.8
OTAL	DEPTH	13.0	4 m	DRILL	MAC	HINE	CME-	45/ATV	DRILI	METH				/NW Core HA	MMER TYPE	63.5 kg manu
ATE S	STARTE	D 9/	18/01	<u> </u>		COM	PLETED	9/19/0		<del></del>	ACE W					
ELEV.	DEPTH	BLO	OW CO	UNT	Π	<u> </u>	BLOWS	PER 30 (	CM	1	SAMP.	<b>V</b> /	L			
(m) (m) 15cm 15cm 15cm 0						20	40	60	80	100	1	MOI	0 G	SOIL AND RO	CK DESCRIPTI	ION .
												11.01	Ĭ			
64.55																
3					<b> </b>						-			64.55 - Residual: Red and o	orange, slightly s	o. andy, silty
4					l : :			<i></i> 						CLAY (A-7-5) with n	elict rock fabric	• • • • • • • • • • • • • • • • • • • •
63.38	1.17			<u> </u>	: :								N			
4	-	3	5	7	• •	<b>9</b> 12 · ·				• • • •	ŀ		N	<u>-</u>		
. ]					: :	<b>;</b> : : :	• • • •			• • • •						
31.82	- - 2.73				::/									_		
	-	2	2	3	5			· · · · ·		• • •			N	-		
3			-		: [`	 		· · · · ·					N	_ 60.95		3.0
‡	-				:	 		 						- Residual: Tan, black	, orange, and b	rownish
0.27	<u> 4.28</u>	2	2	2	1:1									green, sandy, silty C fabric	LAT (A-6) WITH I	relict rock
	-				•									<b>-</b> -		
1	-				: [					: : :						
58.75	5.80	1	2	3										<del>-</del>		
1	-	'	2	3	∵ •5											
+	-				:	• . • •								<u> </u>		
57.23	7.32				:	 										
4	-	2	3	3							·					
1	<u>.</u>				: : \	<b>\</b> :::								-		
55:70	- - 8.85				: :	: \ : :								55.95 Residual: Brown, cla		8.9
		4	6	14	l : :	\ <del>\</del>								SILT (A-4) with relic	rock fabric	rse sandy
<u>55.04</u>	9.51 -	50/0cm								0/0cm			<i></i>	- 55.10 - 54.86 Hard Rock: Black, fi	ne grained, sligt	ntly
‡	<b>-</b>													weathered to fresh, Diabase (1 joint at 9	moderately fract	ured, hard
- 1	<u>.</u> .										·			Hard Weathered Ro	ck: Diabase (pa	
53.54 I	<u> 11.01</u>	6	7	8										<ul> <li>Hard Rock: Black, fi</li> </ul>	ne grained, very	slightly
52.82	- - 11.73		•			•15								weathered to fresh, very hard Diabase		. 1
1	-	50/0cm			: :				: : :	50/0cm				Residual: Tan, claye	y, silty SAND (A	11. 12.
-	12.43	5	11	89/10cm		· · · ·				::				52.12 Hard Rock: Black, fi weathered to fresh,		ntly 12.4
1.62	12.93	00/11cm			· :	 	· · · ·	· · · ·		1/25cm 1/11cin			17	51.51 fractured, hard to ve	ry hard Diabase	
Ī	-	JUI 1101	•						. 100	un				Soft Weathered Roc Soft Weathered Roc	k: Diabase	
Ŧ	•													Boring terminated at Soft Weathered Roo	13.04m (Elev: 5	51.51m) in
‡	-												[	•		
‡	•													Bits used: 10.2cm si core bit	ue-discharge wi	ng bit, NW
İ														Drilling Fluid: 1.02g/	cm <sup>3</sup>	
Ŧ	<u>-</u>															• •
#													E	Proposed boring loc terminated at 7.20m	(Elev: 57.32m)	at bit
#	-											.		refusal on Hard Roc Diabase		
Ŧ															T /alana h 4 4	
‡													E	Boring offset 1.0m L proposed location	i (along bent) fr	om .
‡									•			l	F	•		
Ŧ												1	þ	<del>-</del> -		
Ŧ		1											t	<del></del>		



N.C.D.O.T. GEOTECHNICAL UNIT CORE BORING REPORT SHEET TOTAL SHEETS 71 107

																				SHEE	ET 1 0	F	1	
PROJE	CT NO.	8.T	311002			ID. R-2	552AE	3		CC	דאטכ	ΥJ	ohns	ton				GEOL		ST M				
SITE D	ESCRIP	TION	Site 1:	Dual St	tructu	res on Cla	ayton b	ypass	(-L-)	ove	r Wh	ite Oa	ak Cr	eek (	Austi	n pond	<del>d)</del> .				GROU	JND	WAT	ER (m)
BORIN	G NO.	RING	LOCATIO	OFF	SET	6.8n	n RT		ALIG	NME	IENT -L- 0 HR.						3.1							
COLLA	208,47	3.1	EAS	TING	65	2,827	7.9	·		24 HR.						2.8								
TOTAL DEPTH 13.04 m DRILL MACHINE CME-45/AT								ATV	D	RILL	MET	HOD	Mı	ud Ro	tary/	NW C	ore			HAMN	MER TYPE	Ε (	63.5 k	g manual
DATE STARTED 9/18/01 COMPLETED 9/19/01											SURFACE WATER DEPTH N/A													
CORE	SIZE N	1W				TOTAL F	RUN :	2.20 m	)		DRI	LLER	J. 8	Stewa	art	~					<del></del>			<del></del>
ELEV. DEPTH RUN RATE REC. RQD SAMP. REC. (m) (m) (m) (Min/0.3m)							RQD	L	Π						DESCR	IPTIO	ΝΑΝΓ	) RE	MARKS			····		
(m)	(m)	(m)	(Min/0.3n	) (m) %	<u>'</u> '''	NO.	(m) %	(m) %	Ğ	Ŀ	·	·											*******	
		1.50	0.05	(4.00)	(0.00				L		.,,							ring @						
55.04	9.51	1.50	6:35 2:49	(1.28) 85%	(0.80 53%		(0.18) 100%	(0.00) 0%	無	- 54 - 54	.88	Hard fractu	Rock: red,	Black	c, fine	grained	d, sligh	itly wea	ather	ed to fre	sh, modera	ately		9.69
			7:33 9:23				(0.05)	(N/A) (0.80)	<b>/</b>	}		hard I	Diaba: Weatl	se (1 i	oint a	00° wi	th clay	rtial rev	201/01	24)				4
53.54	11.01		5:30				(0.92) 100%	87%	$\mathcal{W}$	<u>53.</u>	.76	Hard	Rock:	Black	, fine	grained hard [	i, very	slight	y we	athered	to fresh, sli	ghtly	,	10.79
·		İ					(0.13)			}		Resid	ual: T	an, cla	ayey,	silty SA	ND (A	-2-4) v	with r	elict roc	k fabric			
52.82	11.73	0.70	6:13	(0.40)	(0.20		(0.40)	(0.20)		·	·	Corec Mud F	Rotary	with:	spoor	s from	11.01r	n to 11	1.73n	1				11.73
52.12	12.43	<u> </u>	1:13 0:32/0.10	57%	29%	<u> </u>	100%		颁	52. - 52.	.12 •	\sliaht	v frac	tured.	hard	to verv	hard [	itly we: Diabas:	ather e	ed to fre	sh, modera	ately	to	12.13 12.43
		İ		1			0%	1	1	E	'	Soft V Coring	Veath g term	ered F	Rock:	Diabas 2.43m (	e Elev: !	52.12m	n) in :	Soft We	athered Ro	ck. I	Diabas	
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