

## A303 Amesbury to Berwick Down

Applicant's provision of technical reports supporting the Environmental Information Review

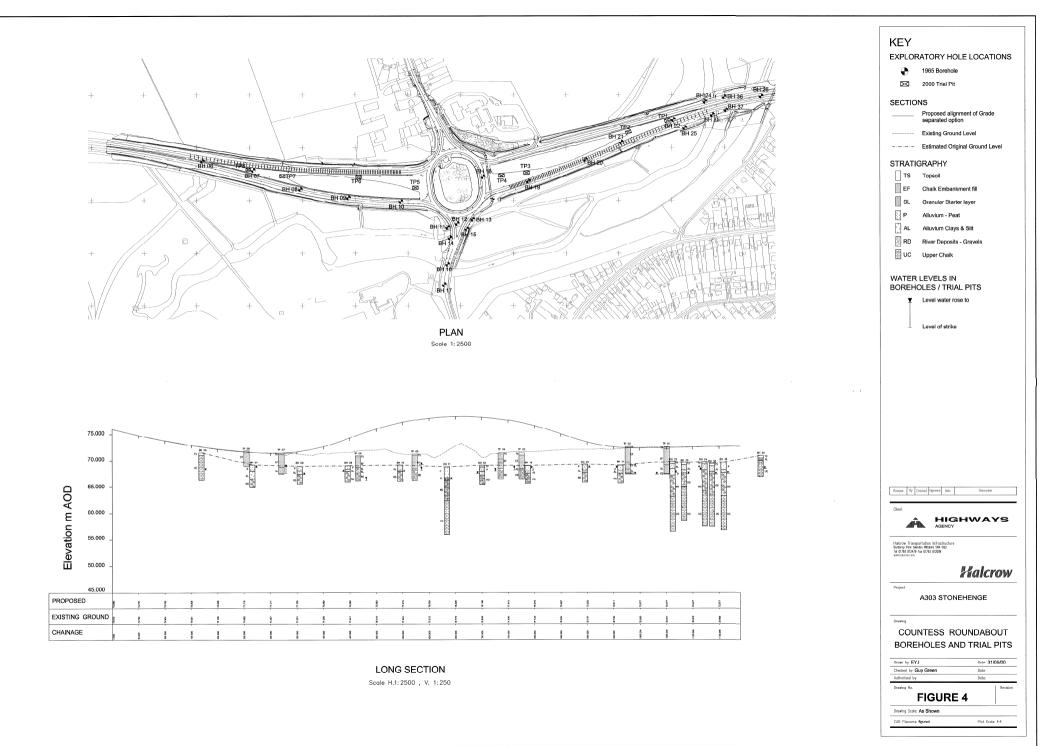
Ground Investigation - Countess Roundabout (2000 data)

Document reference: Redetermination 2.22

Planning Act 2008

The Infrastructure Planning (Examination Procedure) Rules 2010

February 2022



ORKINATING DEPT = HTL - BF PLOT DATE = 31/05/0

	A303							E 415792 142151	JOB NO LUD LOO LITZ			
		row	Swir	ndon		:	. •	MADE BY B D Pieda Chainage	HLD/00/1//			
<	HER				<u>.</u>	<u> </u>		· ·	DATE MADE 09/05/00			
	Warr	anc	l hur	nid		· · · · · · ·	•	Stable	DATE INFILLED 09/05/00			
		DEPTH		SAMPLES	<i>م</i> ۲۰			· · · · · · · · · · · · · · · · · · ·	······································			
BR	Cu	VATER		ЕРТН .		EG- END DEPTH	REDUCED LEVEL	DESCRIPTIO	IN OF STRATA			
			FROM					CROIN	ID LEVEL 72.608			
*	kN/m2	m	m			0.15	72.45	Creamy brown friable topsoil k				
			0.2	1.2	101 7	7	12.40	rough grassland rootmat				
								(Topsoil)				
								Stiff creamy white chalk FILL flint nodules and very occasio	with occasional nal ferrous staining			
			1.0	2.0	102 C			around flint nodules.				
						/		(EMBANKMENT FILL)				
-						1.40	71.20					
									· ·			
			2.0	3.0	ЮЗ		·]	Deser dessures whether shalls 5714	with organizations.			
								Dense greyish white chalk FILL lumps of wood Slight smell of rotten eggs.	- WITT OLCASIONAL			
.							-	(EMBANKMENT FILL)				
								4				
									:			
			3.5		504	3.50	69.10					
	*							· · · · · · · · · · · · · · · · · · ·				
									·			
								Dense greyish CHALK with abun cobble size.	dant flints up to			
			4.3		805			(Possible granular starter layer for embankment fill)				
						$\mathbf{N}$	•		•			
									· .			
ļ						5.1	67.50					
	•	5.20				5.2	67.40	As above but with small pocke amorphous material and green				
								(Original river deposits?)				
-												
	ARKS								METHOD OF EXCAVATION			
						nt inflo Irough		fill	Hydraulic Excavator			
л. Ч	ner u	uy r	uru	Juggi	יש גיו	n oogri						
			. '			•	. · · · ·					
							•					
							.*					
C) SI	BR valu hear st	e dete rength	mined a deteri	using a F mined usi	'arnell h ng a hai	nand held N ng held sh	IEXE prol ear vane	be.				
		<u> </u>				Laborato			APPENDIX			
				ι	Jnit 2	The Furl Hill Ind 8	onq		· · · ·			
					oenty∣	niii ina t oitwich	-jar	and the second				

Schem	e A303	Count	ess Ro	undab	out					<sup>E</sup> 415718 <sup>N</sup> 1	42129	trial Pit No.	2	
CLIENI		ow Swi	ndon			-		а Э		MADE BY BD Pieda		JOB NO	HLD/00/177	-
WEATH							-			CHAINAGE		DATE MADE	09/05/00	1
		and hu	mid			~			· .	Slightly unstable		DATE INFILLED	09/05/00	
CBR	Cu	DEPTH To	DEI	SAMPLES PTH		-		REDUCED		••••••••••••••••••••••••••••••••••••••				
		WATER	FROM	T0	-	END	DEPTH	LEVEL		C	escription of STR/	ITA		
7	kN/m2	<u>_</u> m	m	m		-	m	ļ			GROUND LEVEL	72.6	536	
	Ň		0.2	1.0	806		0.15	72.48	rough gras	own friable topsoil beneath sland rootmat	a moss and		. · ·	
									(Topsoil)		-			
					:		1			х				
										•				
														Ì
							]		Stiff cream	y white chalk FILL with occ s and very occasional ferra	asional Nus staining			r.
									around flin Material is	nodules.	us stanning			
			2.0		807				(EMBANKME		-			
:										······································				
										•			· .	
		5												
		-												
			3.0		808	$\nabla$	3.0	69.63			-		<u> </u>	
									Stiff darker	creamy white chalk FILL w flint nodules. Chalk is damp	ith ber than			
	•						1		above.	, htly unstable beiow 3.3m				
		3.75							(EMBANKME	-				
										•				
		-	4.25		809	K	4.25	68:38	Very pale a	reenish yellow SAND and fir	e to coarse			
									GRÁVEL with	i chalk nodules. teel wire rope found.				
										anular starter layer for em	bankment			1
			5.0		810	$\searrow$	5.0	67.63	fill)	- 				
		5.20	-				5.2	67.43	brown amor	h grey silty CLAY with pock phous motter green sand c	ets of and flint			
									gravels			:		
									Unginai rivi	er deposits?)				
ROMAR				-1 <u></u>		<u>[]                                    </u>	J	ļ	,l <u></u>		ME	Thod of excavat		<u> </u>
			.75 wate nstable											
unst	table b	elow w	ater tab	le								ydraulic Ex	CONOLON	
Mod tabl		seepage	e into pi	it whils	texco	ivatin	g below	water						
Wate	er brow		ase of j						·	- 				
Gen BI	erally f R value del	termined us	gging th sing a Famel ed using a h	rough ( Il hand held	chalk ⊨MEXE ¤	fill robe.								
She	ear strengt	h determin	ed using a h	iond held s									· · · · ·	
		• •		·* .	Unit	2 The	oratorie Furlong	S	· · · . · ·	· · · · · · · · · · · · · · · · · · ·	··· [···	Pendix		
					Ber	ry Hill Droitw	Ind Est							
						WR9	9AH							

снеме АЗС	3 Co	unte	ss F	Rour	ndabo	ut		CO ORDINATES	142052	TRIAL PIT No. 3
CLIENT								MADE BY B D		JOB NO HLD/00/177
Ηαι	row	Swin	don					CHAINAGE	÷	DATE MADE 09/05/00
weather War	m anc	l hum	id					Stability Slightly	unstable	DATE INFILLED 09/05/00
	DEPTH		SAMPLE	s				Stightery		
CBR Cu	TO WATER	DE	РТН - Т	4	LEG- END DE	REDUCED			DESCRIPTION OF	F STRATA
Z kN/m		FROM	TO m			~				WE 71 / 71
<u>%</u> kN/ni	3.20	FROM m 0.5 1.5 3.0	ro m 1.5 2.5	BI3	0.45 3.0 3.2	m 71.02 68.47 68.27	rough to 1cm (Topsoi Stiff d nodules (EMBANK (EMBANK Pale oc sand, gi (Possibl fill or Fine to (Possibl	grassland roo diameter. () hre brown SA ravel, and gr e granular s river gravels	e topsoil bene otmat with fre halk FILL with reensand. tarter layer ) rounded GRAV	silt and clay with for embankment
equall Trial p Water Genero CBR val	ed ex bit pr strik ally hi	⊂ava obab ke at ard c mined us	tion. ly ur t 3.2i diggin	nsta m ri 19 t	ble be sing t hroug	elow wa	ter tak after (fill	ge into pit ole. 5 minutes.	•	THOD OF EXCAVATION Ydraulic Excavator
			U	Init 2 Berry C	v Laboro The Fu Hill Ind Troitwich (R9 9AH	irlong Est			API	PENDIX

	Halc	row	Swin	don					MADE BY B D Pieda JOB NO HLD/00/177 CHAINAGE DATE MADE OO (05 (00)					
EAT	HER		•••••				····							
		n anc	l hum	id	<u></u>	·			stability Unstable 09/05/00					
BR	Cu	DEPTH		SAMPLES	s	~								
~~``		TO WATER		РТН Т		LEG- END	DEPTH	REDUCED	DESCRIPTION OF STRATA					
%	kN/m2	m	FROM	то m			m		GROUND LEVEL 71,496					
-								<u> </u>	Creamy brown friable topsoil with many tree roots					
				1			0.25	71.24	beneath a moss and rough grassland rootmat					
			0.6		814									
				·					Creamy white chalk FILL with occasional becoming frequent pockets of tar bound road materials,					
	•								possibly the old road surface broken up and combined with the new engineering fill.					
			1.2	2.0	<b>B</b> 15	H	1.18	70.31	(EMBANKMENT FILL)					
							ŕ		Very dense / stiff dark creamy chalk FILL					
									(EMBANKMENT FILL)					
									· · · · · · · · · · · · · · · · · · ·					
			2.0		B16	$\square$	2.0	69.49	· · · · · · · · · · · · · · · · · · ·					
					· ·				Very dense white chalk FILL					
	:								(EMBANKMENT FILL)					
							3.0	68.49	*					
			÷											
	, interest i	3.53							Pale ochre brown SAND with fine to coarse GRAVEL					
									and pockets of greenish silty clay. Grades to a fine to coarse sub angular to sub					
									rounded GRAVEL and SAND below the water table.					
									(Possible granular starter layer or river gravels)					
		,												
							5.0	66.49						
		-												
									·					
	ARKS	hot	ວັນເ ນະຕ	+00	+~~	، غا	1000	-toin	METHOD OF EXCAVATION					
	-		cava Cava		ιuŋ		ancer	¢U(II),	Hydraulic Excavator					
r	ial pi	it. un	stab	le be				table.						
	ound utes		r'STi	KE U	ι J,	JJ3M	risi	ης το	3.35m after 5					
			ard	diggin	g t	hro	ugh	chalk	fill					
								EXE prok	e.					
								ar vane						
						-	ooratoi E Furlo							

СНЕ		- - -	unte		ک ا	പ്പപ	bout		CO ORDINATES 415314 142024	TRIAL PIT No. 5
CUE				ר בר 	<u></u>	ηφα		•	415314" 142024 MADE BY B D Pieda	
		row	Swin	don				1. 	CHAINAGE	HLD/00/1//
	THER							<u>.</u>	STABILITY	DATE MADE 09/05/00
	Warr	<u>n anc</u>	l hùm				*** * . * <b>*</b>		Unstable	DATE INFRLED 09/05/00
SR	Cu	DEPTH	DE	SAMPLE PTH	s L	Ű LEG–		REDUCED		
		TO WATER	FROM	то	1	END	DEPTH	LEVEL	DESCRIPTI	ON OF STRATA
/	kN/m2	m	m	m		<u> </u>	191			ND LEVEL 71.207
			9.2	1.2	<b>B</b> 17	77	0.2	71.00	Creamy brown friable topsoil rough grassland rootmat	beneath a moss and
									(Topsoil)	
			- ·						· · ·	
			1.2	2.0	1818				· · · · · · · · · · · · · · · · · · ·	
							,		Very dense creamy chalk FILI	with occasional flint
									nodules.	······································
									(EMBANKMENT FILL)	
		2.00								
			2.75	3.00	<b>B</b> 19	4	2.75	68.45		
					 				Very dense dark creamy chall to coarse sub rounded grave	
		3.10					3.1	68.10	(EMBANKMENT FILL)	
			•		, ,				· · · · · · · · · · · · · · · · · · ·	
									Pale ochre brown SAND with fi and cobbles.	~
									Grades to a fine to coarse s rounded GRAVEL and SAND belo	
									(Possible river gravels)	•
	• .									
							5.0	66.20		
( /	ARKS	- 1		<u>.</u>		1			· · · · · · · · · · · · · · · · · · ·	METHOD OF EXCAVATION
~	ial p							about		
									/ 1.8m. hite water	Hydraulic Excavator
~	ound	wate	r sti						2.74m in 5 minutes,	
	own nera			digair	ng t	:hro	uah	chalk	fill	
		÷	÷					EXE prot		
SI	near st	rength	deterni	ined usi	ngał	nand h	neld she	ar vane		APPENDIX
							borato: e Furlo		· .	
					Berry		Ind E			
						NR9				

EN			Sur!~	don			-			MADE BY B [	) Pieda	JOB NO HLD/00/177
ł	Παις	row	Swin	aon						CHAINAGE		DATE MADE 09/05/00
	HER	· · · · · ·	l hum	:4				*		STABILITY		DATE INFILLED 09/05/00
1	wurin			SAMPLE	s				t	Unstak	ле	07700700
2	Cu	DEPTH TO VATER	DE	PTH	·	LEG- END	DEPTH	REDUCED				E STDATA
			FROM	то		CNU	UCF IN				DESCRIPTION C	
+	kN∕m2	m	m	m			m	ļ	Creary	hnown frid		EVEL 70.952 eath a moss and
						77	9.2	70.75			and rootmat	CANER RUSS AND
						$\langle A$			(Topsoil)	<b>)</b>		
									Creamy		with pockets	of tar bound road
		- -										
			1.2	2.0	<b>B2</b> 0	H	1.1	69.85	CEMBANKI	MENT FILL>		
							,					
									Very de	ense white	chalk FILL	
									(EMBANK)	MENT FILL>		
									an San San San			
							2.25	68.70				
			2.5		R21							SAND with much silt arse gravel and
											oft to firm ne	
							2.8	68.15		e granular viver grave		for embankment
									\			jus organic CLAY
							3.35	67.60		·	•	
									Bebre f	ine to coor	nse sub anoula	r to sub rounded
									GRAVEL	with a litt	le sand and oc	casional pockets hous organic clay.
									Strata	hecomes cr han in TP 5	reamy with dep	th and has fewer
												admont fill an
									(Granula) river gr		uyer tor enb	ankment fill or
		4.70										-
						2020	4.8	66.15				· · · · · · · · · · · · · · · · · · ·
												· · · ·
A	RKS			1	<u>.</u>			ļ			м	ETHOD OF EXCAVATION
									y 3.35m.	<b>. 5</b>	toc I	
		wate wat		KE C	i t 4,	7 UM	ros	ε το	4.30M if	n 5 minut	ues, []	Hydraulic Excavator
				diggir	ng t	hro	ugh	chalk	< fill			
								EXE prot ar vane				
_				Н	lalcrov	/ Loi	borato	ries	· · · - · ·		. A	PPENDIX
				t	Unit 2	The	Furlo Ind E	ng				
							vich					

SCHE	ме АЗО(	3 Co	unte	ss f	Roui	ndak	oout	<u></u>	C E	o ordinates 415062 142046	TRIAL PIT No. 7
CLIE	NT									ADE BY B D Pieda	JOB NO HLD/00/177
	Halc	row	Swin	don		-				HAINAGE	DATE MADE 09/05/00
WEAT		•						÷	<u>-</u>	TABILITY	
	Wanr	n and	<u>hum</u>		<u>,</u>		<u> </u>		<u>.</u>	Unstable	DATE INFILLED 09/05/00
CBR	Cu	DEPTH TO WATER	DEF	SAMPLE PTH	<u>s_</u>	LEG- END	DEPTH	REDUCED		DESCRIPTION	I OF STRATA
%	kN/n2	. <u>m</u>	m	m		· .	m			GROUNE	LEVEL 71.418
							0.3	71.11	Creamy bi wild flowe	rown friable topsoil bi r grassland rootmat	
									(Topsoil)	·	/
				-			,		Very stif	`f white chalk FILL wit	
									nodules u	pto cobble size.	in occasional flint
									<b>NEMDAINNIC</b>		
								-	• • •		
			2.7		1622		2,7	68.71			
		-							, Stiff darl	<pre>&lt; creamy silty CLAY w lint nodules up to cok</pre>	ith flint and chalk
										starter layer?)	une size.
		3.80	3.8		B23		3.8	67.61	······	~	
						<u> </u>	4.0	67.41	green fine	< creany CLAY with mu SAND with much clay, lint nodules up to cok	flint and chalk
									(Possible s	starter layer)	/
		4 					,	-			
	- - -										
										:	
Ем4	RKS		- ·	· · · · ·	<u>.</u>			. <u> </u>	· · · · ·	in the second	
ri	al pi		stabl								METHOD OF EXCAVATION
/a	ter	ente	r stil red r ard o	napio	lly f	rom	n eas	stern	face of	5 minutes, trial pit,	Hydraulic Excavator
			-	U.U.	<b>J</b>	- •					
CBI Sh	R value ear sti	deter	mined us! determin	ng a Fo ed usin	arnell g a hi	hand h and he	held ME	XE prob ar_vane	ę.		
				U	nit 2	The	orator Furlor Ind Es	ng			APPENDIX
					D	roitwi R9_9	ich			1	

SCHE	ме АЗОС	 3 Со	unte	55	Rou	ndal	bout	;		<sup>e</sup> 414998	i42058	TRIAL PIT No.	8	
CLIE			S	مامت						MADE BY B D	Pieda	JOB NO	HL_D/00/	′177
		r:0W	Swin	aon	<del></del>			_		CHAINAGE		DATE MADE	09/05/0	0
WEAT		າດກດ	l hum	ud.				۲	•	Stable		DATE INFILL	09/05/0	0
	· · · · ·			SAMPLI	ES				[				00700070	<u> </u>
CBR	Cu	DEPTH TO WATER	DE	PTH		LEG-	DEPTH	REDUCED			DESCRIPTION O	E STRATA		
	1.11(2		FROM	το										19 - C.
%	kN/m2	m	m		· - · ·		m		Creamy	brown friable		evel 71.8 eath a m		
	•						0.2	71.68	wild flo	wer grassland	d rootmat			
				İ					(Topsoil	)				/
						$\langle \rangle$								
		•				$\langle \rangle$		<u>^</u> .						
				-		$\mathbb{V}$								
									Vory A	ense white ch	nolk Fîll w≀+⊌		of flint	
·	N.*								nodules	up to cobble	size	, occusio	FALL FULLE	
									(EMBANK	MENT FILL)				
	•					$\mathbb{N}$								
						$\langle A$								
						$\langle A$								
		. / •												
							3.0	68.88		*				
							<i></i>	00.00	~~~~					
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:												· .		
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	:	·												
REMA	RKS		-		1					· · · · · · · · · · · · · · · · · · ·	 5 ac	THOD OF EXC	AVA TION	
Tri	al pi	t ab	orte	d wh	ien l	hydr	raulic	: hos	e split	on JCB,				
orro Fill	bab <sup>:</sup> - h	ly du Iord	ie to diggii	no no	trer	ely	Com	Dact	nature	of the cl	halk H	lydraulic	Εχοανατ	tor
	1.		ာမူမျ	'y								· · ·		
			mined us determi					XE prob ar vane	ię.					
,					_		orator			<u> </u>	AF	PENDIX		
				ι	Jnit 2	? The	Furlo	ng		· · ·				
					. 0	Droitw		st ,						
			-		۷	/R9 9	9AH				· ·	· · ·		

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