

STRUCTURAL SOILS

Contract:								Client:					Boreh	ole:	
G	rove	field V	Vay, (Chel	tenh	am		HNE	Bailey, J	A Bailey	and C	C H Harvey			BH8
Contract I							Ground	l Level (m)	: 1	National Gr			Sheet:	_	
	722			End:	04.0		1	31.99		E:3904	81.6	N:221447.9		1	of 1
	-	and In-sit			Water	Backfill & Instru-			D	escription (of Strata			Depth (Thick	Graphi
Depth	No	Type B	Resu	ılts	≥			264		•			11	ness)	Legen
0.00-0.30 0.30-0.80	$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	B				百百	L friable	e CLAY	with frequ	ent rootle	s. Gra	ly sandy slightly avel is fine to	graveny medium	0.30	
0.30-0.80						•••	MAD	gular to sul E GROUN	D: Firm b	rown sligh	ly sandy	slightly gravelly	CLAY.	$\left[\begin{array}{c} (0.50) \\ 0.00 \end{array} \right]$	
								el is fine to grev mottle						0.80	XXXX
1.10	3	D						grey mottle mouth Muc				tions of grey fine	grained	1.20	===
1.50	4	U	15 blo	ws			sand.				i iaiiiiia	nons of grey fine	granieu	(0.80)	
1.80	5		13 01	5 11 5			(Cnar	mouth Muc	istone Fori	nation)				2.00	
2.00-2.45	1	SPT	N=	8			Firm	to stiff da	rk grey sl	ightly sand	y CLA	Y with frequent of orange sandy si	gypsum	2.00	
							crysta (Char	als (1mm to mouth Muc	5mm) and dstone Forr	occasional nation)	pockets	ot orange sandy si	ılt.	-	
2.70	7	D												(1.60)	
3.00	8	U	25 blo	NWC.										E	
5.00	°		23 UI	JWS										E	
3.60	9						Ctitt'	O Von atiff	dark aras	hinly lossin	ntad al:-	htly sandy CLAY	-	3.60	ŧ≣≣
3.00							Char	mouth Muc	dark grey dstone Forr	nation)	ated sing	nuy sandy CLA r	•	4.00	
4.00-4.43	2	SPT	N=5	5*			Very (Char	weak dark g	grey MUD Istone Forr	STONE.				-	
							fi	ine shell fra	gments at 4	1.00m depth	1.			[(1.15)]	
4.70	11	D													
5.00-5.15	3	SPT _(NR)	N=20	00*										5.15	
5.00		D]									-	
														-	
														-	
														-	
														-	
														-	
-														-	
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														Ė	
														-	
	Boring	Progress							Chiselling	g		General	Rem	arke	
Date	Time	Borel Dep		sing epth	Borel Diam (mn	eter	Water Depth	From	То	Duration (hh:mm)		UCHEIAI	1XCIII	ui NS	
04/08/08	17:00			.60	150		Depui	4.50	5.00	01:00		groundwater enco gle standpipe insta		ompletio	on.
											Sing	omnapipo mota			
												nensions in metres		1:5	0
Method Used:	Cable		_	Plan Used		ъ	ndo 20		Drilled By:	RS	Logg By:	ed MBaker	Check By:		P AG



STANDARD PENETRATION TEST SUMMARY TABLE

Contract:						Client:	110111			Job No:
Gro	vefield V	Vay,	Chelten	ham		ΗN	Bailey, J A Bai	ley and C	H Harvey	722048
Exploratory	Depth	Hole	Casing	Water	Seatin	g Drive	Te	st Drive		
Position ID	(m)	Dia (mm)	Depth (m)	Depth (m)	Blows	Pen (mm)	Blows	R (mm)	Result	Comments
BH1	1.20				2,2	150	2,3,1,1		N=7	
	3.00				5,5	150	6,7,8,8		N=29	
	4.00				5,6	150	8,8,10,12		N=38	
	5.00				6,8	150	8,11,14,17		N=50	
	6.00				6,9	150	11,17,22	225	N=67*	
	7.50				25	75	27,23+	125	N=120*	
BH2	2.00				3,3	150	4,5,5,6		N=20	
	3.00				3,4	150	4,6,8,9		N=27	
	5.00				3,6	150	9,10,12,13		N=44	
	7.50				6,11	150	15,15,20	225	N=67*	
	9.00				8,14	150	19,24,7+	160	N=94*	
	11.70				25	50	50+	45	N=333*	
BH3	1.20				1,1	150	2,2,3,1		N=8	
	3.00				4,5	150	6,6,8,9		N=29	
	5.00				7,7	150	10,11,11,15		N=47	
	6.00				4,4	150	9,11,12,16		N=48	
	7.50				15,10	125	19,20,11+	190	N=79*	
	9.00				15,10	115	30,20+	95	N=158*	
	10.00				25	75	50	75	N=200*	
BH4	2.00				1,2	150	3,4,4,4		N=15	
	4.00				3,5	150	6,8,9,10		N=33	
	6.00				8,17	150	18,19,13+	165	N=91*	
	8.30				25	60	50+	50	N=300*	
BH5	1.20				2,1	150	1,2,2,1		N=6	
	3.00				4,3	150	5,7,9,11		N=32	
	5.00				6,8	150	11,19,20+	210	N=71*	
	6.00				9,12	150	14,16,20	225	N=67*	
	7.50				7,8	150	10,19,21+	210	N=71*	

- 1. Tests carried out in accordance with BS1377: Part 9: 1990: 3.3.

 2. Reported blows are for 75mm penetration unless indicated "+".

 3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.

 4. Tests carried out using a split spoon sampler unless noted as CPT in comments column.





STANDARD PENETRATION TEST SUMMARY TABLE

Contract:						Client:	110111			Job No:
Gro	vefield V	Vay, (Chelten	ham		ΗN	Bailey, J A Bai	ley and C	C H Harvey	722048
Exploratory	Depth	Hole	Casing	Water	Seating	g Drive	Te	st Drive		
Position ID	(m)	Dia (mm)	Depth (m)	Depth (m)	Blows	Pen (mm)	Blows	R (mm)	Result	Comments
BH5	8.10				25	75	50	75	N=200*	
ВН6	2.00				2,3	150	4,4,4,6		N=18	
	4.00				7,12	150	14,14,14,8+	255	N=59*	
	6.00				7,11	150	16,21,13+	170	N=88*	
	7.50				5,8	150	17,26,7	225	N=67*	
	8.10				25	20	50+	25	N=600*	
BH7	2.00				2,1	150	1,2,2,2		N=7	
	3.00				5,7	150	7,5,6,7		N=25	
	4.00				7,17	150	18,19,13+	170	N=88*	
	5.00				25	10	50+	0	NP	No Recovery
BH8	2.00				2,2	150	1,2,3,2		N=8	
	4.00				6,7	150	9,11,15,15+	275	N=55*	
	5.00				0	75	50	75	N=200*	No Recovery

- 1. Tests carried out in accordance with BS1377: Part 9: 1990: 3.3.

 2. Reported blows are for 75mm penetration unless indicated "+".

 3. Where full test drive was not achieved, actual penetration (R) and extrapolated N value (N*) reported.

 4. Tests carried out using a split spoon sampler unless noted as CPT in comments column.





STRUCTURAL SOILS

Contract Ref	î: 722(Way, C		enh	am	H N Bailev	. J A Bailey	and C H Hai	rvev			TP
Samp Depth	722(ples a)48	I	D				·		-			
Sam _l Depth	ples a)48		Date:			Ground Level (m):		rid Co-ordinate:		Sheet:		
Depth	_			(01.08	8.08	38.17	E:3908	801.4 N:2214	474.1		1	of 1
		nd In-si	tu Tests Resu	lte	Water	Backfill		Description	of Strata			Depth (Thick	Mate Grap Lege
0.15			Resu	11.5		ш	Long grass over MAL gravelly friable CLAY	 Gravel is 	fine to medium	sandy slig subangula	ghtly ar to	ness)	Ecg.
0.45	2	ES D					subrounded limestone at MADE GROUND: Sti CLAY. Gravel is fine limestone with tree roots	ff grey brown to medium su	n slightly sandy s bangular to subro	unded brick	velly and	(0.60)	
0.45	_	V	c _u =100/9	90/70							-	0.80	
0.80 0.80 0.80	3 4	ES D V	c _u =80/8	30/75			Firm becoming stiff gre CLAY with rare fine su (Charmouth Mudstone I	brounded grave	wn slightly sandy el of mudstone.	slightly grav	velly	-	
1.10	5	В					occasional fine she orange red fine sand (po	ell fragments a ssibly gypsum	t 1.10m and occas crystals).	ional pocke	ets of	(0.90)	
1.40 1.40	6	D V	$c_u = 130/10$	00/110			occasional tree roots	s 10mm diame	ter at 1.40m.		-	. 1 70	
1.70	7	D					Stiff to very stiff blue slightly sandy CLAY laminated/bedded surfac (Charmouth Mudstone I	with fine sees.	laminated/thinly sand sized gypsu	bedded (20) im crystals	mm) s on	1.70	
2.00 2.00	8	D HP	c _u =150/15	50/125			(Chambuli Mudstone I	Officiation			-	(1.10)	
2.40	9	D					from 2.40m fine fragments.	2mm long gy	rpsum crystals and	d rare fine	shell		
2.80	10	D B					Very stiff blue grey to frequent gypsum crystal 20mm in diameter and co	s 2mm in leng eccasional shell	th and rare to occa	y CLAY, sional tree i	with roots	3.00	
3.00 3.25	12	HP D	c _u =200/20	00/225			(Charmouth Mudstone I Very weak thinly lamina (Charmouth Mudstone I at 3.00m becoming	ated blue grey l Formation)				3.25	
							Trial pit terminated at 3.	25 m depth.			-	-	
											-		
												-	
		`						Com - 1-1	D one = 11			-	
Plan (Not to	Scale	e)						General	Remarks				
0.70		2.6	0		2. N	lo gro	t walls stable. undwater encountered. led on completion.						
							All dimensions in metre	s	Scale:	1	:25		
Method Used:		chine o		Plant Used:	<u> </u>		JCB-3CX	Logged By:	S 500.5.	Checked By:			P A



STRUCTURAL SOILS

On												П	L	. U G
Contract:								Client:				Trialpit	:	
Gr	ovef	field \	Way,	Chelt	enh	am		H N Bailey	, J A Bailey	y and C H Hai	rvey			TP2
Contract Re	ef:			Date:			Grou	nd Level (m):	National Gr	rid Co-ordinate:		Sheet:		
	7220	048			01.0	8.08		39.35	E:3907	782.0 N:2213	395.9		1	of 1
San	nples a	nd In-si	tu Tests		Water	cfill			D : (:	CCL				Material Graphic
Depth	No	Type	Resi	ults	Wa	Backfill			Description	oi Strata			(Thick ness)	Legend
-							Gra	ss over MADE GE velly friable CLAY	ROUND: Da	rk brown slightly	sandy s	lightly	(0.30)	
0.20	1	D					subi	rounded brick, cha	rcoal and lin	nestone fragments	with fr	equent	0.30	
0.20	2	ES					- root Stif	iets. f light brown slightl	y sandy slight	ly gravelly CLAY	. Gravel	is fine	- 0.50	<u> </u>
-							subi	rounded limestone ar perficial Deposits)	nd mudstone.	, ,			(0.50)	
_							(Su)	pernetar Deposits)					(0.50)	
0.70 0.70	3 4	D ES											0.80	
- 0.70	-	V	$c_u = 100/1$	30/145				f grey mottled brown ne subrounded limes			CLAY.	Gravel	-	
-0.95	5	D						perficial Deposits)					-	
													-	
_													(1.00)	•
1.40	6	D						pockets of orange sa	and sized gypsi	um crystals from 1	.40m dept	th.	-	
								F	Sy F	,			-	
-														<u></u>
1.80	7	D					Ver	y stiff dark blue grey	laminated slig	ehtly sandy CLAY	with occa	asional	1.80	
-							deco	omposing rootlets an armouth Mudstone F	d pockets of or	range sand sized gy	ypsum cry	stals.	_	
_							(CII	armouth Mudstone i	omation)				-	<u> </u>
_														
2.30	8	В											(1.00)	
_								. 1 1 11 6		50			-	
- 2.55	9	D						occasional shell frag	gments from 2.	50m.			-	
_													2.80	
-							Ver	y stiff dark blue gr ded with fine gypsur	ey slightly sa	ndy CLAY thinly	laminate	ed and		
3.00	10	D					occa	asional decomposing	rootlets.	ii iong tiong beat	ing sarrac	cs una	-	
_							(Cn	armouth Mudstone F	formation)				(0.70)	
-													-	
_													3.50	
3.55	11	В	1	Г			Ver	y stiff to hard dark	grey blue sligh	ntly sandy thinly la	aminated	CLAY	3.55	=:=:
-]						(Ch	n occasional shell fra armouth Mudstone F	gments. Formation)			/	-	
_							Tria	l pit terminated at 3.	55 m depth.				-	
_													-	
-														
_														
_													-	
Plan (Not to	Scale	e)							General	Remarks				
	_	2.7	·0 ~		1. T	rial p	it walls	s stable.						
	▲ -	2.7	<u>'0 </u>	• 1	2. N	lo gro	undwa	ter encountered.						
0.70					3. E	васки	ned on	completion.						
	v			J										
							A 11	dimensions in metre	9	Scale:		1:25		
Method				Plant	<u> </u>		AII	annensions in mette	Logged	Scare.	Checked			
Used:	Ma	chine	dug	Used:			JCI	3-3CX	By:	MBaker	By:		\mathbf{S}	P AGS



STRUCTURAL SOILS

100							T			·/ _			
Contract:		œ . 1 .1 v	11 7 4	CL -14	1.		Client:	T 4 D 11	10111		Trialpit	:	TD2
		neia	Way,		enn	am		•	y and C H Har	rvey	Chart		TP3
Contract Ro		0.40		Date:	04.0	0.00	Ground Level (m):			- 40 0	Sheet:	4	. 1
	722	U48			01.0	8.08	35.88	E:390	765.7 N:2215	549.9		1	of 1
	Ť-		tu Tests	1,	Water	Backfill		Description	of Strata			Depth (Thick	Graphi
Depth	No	Type	Resi	ults	>	Ä	Course MADE C	DOLINID. D.	.1. 11: .1.41	1	11.1.71	ness)	Legen
0.15 0.15	1 2	D ES					Grass over MADE Gl gravelly friable CLAY. brick, charcoal and cera Firm to stiff light brow	Gravel is fir mic with frequ	ne to coarse angula ent rootlets.	ar to suba	ingular /	0.20	<u> </u>
							CLAY. Gravel is fine and limestone. (Superficial Deposits)	to medium su	bangular to subro	unded mu	dstone	-	
0.75	3	D					(cuponicui z opecius)					-(0.80)	
0.75 0.75	4	ES V	$c_{y}=100/1$	20/110								-	
-		\ \ \	C _u -100/1	30/110			Stiff grey mottled brow	n slightly sand	v slightly gravelly	CLAY	Gravel	1.00	<u> </u>
							is fine to medium subro	unded limestor	ne/mudstone and cl	osely fissi	ured.	-	
							(Superficial Deposits)					-	·
												_	
1.50	5	В										-	<u> </u>
1.50		V	c _u =120	0/135								(1.30)	
												-` ′	<u> </u>
												-	
-												_	<u> </u>
												-	
												2.30	<u></u>
2.30	6	D					Stiff dark grey thinly la	minated and b	pedded slightly sar	ndy CLA	Y with	2.30	=:=
							occasional fine 1mm lo CLAY.	ng gypsum cry	stals and pockets	of orange	sandy	-	
							(Charmouth Mudstone)	Formation)				(0.70)	
												(0.70)	<u> </u>
2.75	7	D										-	
												3.00	
2.20	П		<u></u>	ı			Hard dark blue grey sligand occasional gypsum (Charmouth Mudstone)	crystals 1-4mn		t shell frag	gments	3.20	
3.20][8]	В					Trial pit terminated at 3					-	
												-	
												-	
												-	
												-	
											ŀ	-	
-												_	
												-	
												-	
												-	
								<u> </u>	D 1			_	
Plan (Not to	o Scale	e)						General	Remarks				
	_	2 1	.0	-			t walls stable.						
	A -	3.4		1			undwater encountered.						
0.80					3. B	sackfil	led on completion.						
0	↓ ∟]									
							All dimensions in metre		Scale:		1:25		
Method Used:	1 #	ala!	d	Plant Used			ICD 2CV	Logged By:	MDalese	Checked	d	C	P AG
oscu.	wa	chine (uug	USCU	•		JCB-3CX	Dy.	MBaker	By:		\mathbf{S}	- <u>₩</u>



On										IK	IAL P	'II L	.UG
Contract:								Client:			Tria	lpit:	
G	Frove	field `	Way, C	helt	enh	am		H N Bailey	, J A Bailey	and C H Ha	rvey		TP4
Contract	Ref:		Ι	Date:			Grour	nd Level (m):	National Gr	rid Co-ordinate:	She	et:	
	722	048		(01.08	8.08		35.90	E:3907	730.7 N:2215	500.7	1	of 1
S	amples	and In-si	itu Tests		er	li ii						Depth	Material
Depth	No	Туре	Resul	lts	Water	Backfill			Description	of Strata		(Thick ness)	Graphic Legend
							Gras	ss over MADE G	ROUND: Da	rk brown slightly	sandy slight	ly	XXXX
		_					grav	elly friable CLAY angular brick, charce	with frequent	rootlets. Gravel	is fine to coars	se 0.20	
0.20	1 2	D ES					Firm	n brown slightly s	andy slightly	gravelly CLAY.	Gravel is fir	ne -	
-							subr (Sur	ounded limestone, i perficial Deposits)	nudstone and c	occasional rootlets.		(0.55)	
-								•					
_												- 0.75	· · · · · · o
0.80	3	D					Stiff is fir	f grey mottled browne subrounded limes	n slightly sand stone/mudstone	y slightly gravelly	CLAY. Grav	el -	
0.80 -0.80	4	ES V	$c_u = 130/14$	0/140				perficial Deposits)	, 111 0, 1110, 11	•			
-												-	
1.20	5	D										-	· · · · · · ·
_												(1.45)	
_												-	
1.70	6	В						from 1.70m rare gy	psum crystals a	and shell fragments	S.		
-												-	
_												_	
											1/ 1/ 1	2.20	· · · · · · ·
2.20	7	D					bedo	y stiff hard dark bl ded slightly sandy	ue grey mottle CLAY with	d brown thickly land	aminated/thin with occasion	ly al	
							gyps	sum crystals and occ armouth Mudstone	casional shell fi	ragments.		(0.55)	
_							(Cin		01114011)			-	
-												- 2.75	<u> </u>
2.75	8	D					Hard	d dark grey blue ments and no gypsu	sıghtly sandı m crystals.	y CLAY with o	occasional she		
_							(Cha	armouth Mudstone	Formation)			_	
3.10	9	D										(0.85)	
_												(0.03)	
_												-	
-												3.60	
3.60	10	D					Tria	l pit terminated at 3	.60 m depth.			_	
-												-	
=												-	
-												-	
-												-	
-												-	
Plan (Not	t to Scal	e)							General	Remarks			
		2.1	0 -		1. T	rial p	it walls	stable.					
	↓ □	<u> </u>	0		2. N	lo gro	undwa	ter encountered.					
07.0	5. [3.B	ackfil	nea on	completion.					
	· • L												
							A 11	dimensions in metre	NC .	Scale:	1:2	5	
Method				Plant			All	unnensions in metre	Logged	Scare.	Checked		
Used:	Ma	chine	dug	Used:			JCE	B-3CX	By:	MBaker	By:	S	P AGS



Ope										IK	IAL	M	I L	.OG
Contract:								Client:				Trialpit	t:	
Gr	ovei	field `	Way, C	Chelt	enh	am		H N Bailey	, J A Bailey	and C H Ha	rvey			TP5
Contract Re	ef:		I	Date:			Groui	nd Level (m):	National Gr	id Co-ordinate:		Sheet:		
	7220	048		(01.08	8.08		37.84	E:3907	22.9 N:2213	375.4		1	of 1
San	nples a	ınd In-si	itu Tests		ter	lij.				200			Depth	Material
Depth	No	Туре	Resu	lts	Water	Backfill			Description	of Strata			(Thick ness)	Graphic Legend
							Lon	g grass MADE GI	ROUND: Da	rk brown slightly	sandy s	lightly		
0.15	1	D					grav	velly friable CLAY. rcoal and limestone v	Gravel is fine with frequent re	e subangular to su potlets.	brounded	brick,	(0.30)	
0.15	2	ES					Firn	n light brown mottle	d grey slightly	sandy CLAY.			0.30	<u> </u>
							(Sup	perficial Deposits)						
-													-(0.60)	
													-	
0.90	3	D					Stiff	f grey mottled brov	zn clightly car	ndy slightly grave	lly CLAN	/ with	0.90	<u></u>
-0.90 - 0.90	4	ES V	$c_u = 124/11$	12/110			occa	asional pockets of rounded mudstone li	orange brown	sandy CLAY.	Gravel i	is fine	_	
	_		C _u 124/11	12/110				perficial Deposits)	tnorencts.				_	<u></u>
1.20	5	D											_	
-													(1.10)	
-													-	· · · · · · · · ·
1.70	6	D											-	
-													-	<u>· · · · · · · · · · · · · · · · · · · </u>
-							Stiff	f grey mottled orange	e brown slightl	v laminated slight	lv sandv C	LAY.	2.00	<u> </u>
2.10	7	В					(Ch	armouth Mudstone I	Formation)	,	<i>yy</i> -		_	
-													(0.60)	<u> </u>
-													_	
2.60							X 7	CC 1 1	. 11 1	1/ 4: 1 1 11:	1. 1. 1.1	1	2.60	
2.60	8	D					CLA	y stiff dark grey the AY with 1mm gymm) and occasional	osum crystals	on /laminated/b	i siigntiy edding si	sandy irfaces	_	
-							(40r	mm) and occasional armouth Mudstone I	decomposing reformation)	ootlets.			-(0.60)	
2.90	9	D					· · ·	occasional shell frag	gments from 2.	90m.				
-													3.20	
3.20	10	В					Tria	l pit terminated at 3.	20 m depth.				-	
-													_	
-													-	
-													_	
-													_	
-													_	
-													-	
-													_	
-													-	
Dlan (Not to	Sool	<i>2)</i>							Ganaral	Remarks				
Plan (Not to	s scale	-)							Ochicial	indiliai KS				
	4	3.0	00					s stable. ter encountered.						
9	^							completion.						
06.0	↓													
Made a 1				D1			All	dimensions in metre	1	Scale:	Cl. a. 1	1:25		
Method Used:	Ma	chine	dug	Plant Used:			JCI	B-3CX	Logged By:	MBaker	Checked By:	1	S	P AGS



Oh									IK	IAL	M	I L	.OG
Contract:							Client:				Trialpi	t:	
G	Frove	field `	Way, Che	ltenh	am		H N Bailey	, J A Bailey	and C H Ha	rvey			TP6
Contract 1	Ref:		Date			Grou	nd Level (m):	National Gr	id Co-ordinate:		Sheet:		
	722	048		01.0	8.08		34.28	E:3906	687.4 N:2215	527.7		1	of 1
Sa	amples a	and In-si	itu Tests	er	611							Depth	Material
Depth		T	Results	Water	Backfill			Description	of Strata			(Thick ness)	Graphic Legend
_						Gra frial	ss over MADE GF ble CLAY with freq	ROUND: Dar uent rootlets.	k brown slightly Gravel is fine to c	sandy g	ravelly ular to	0.20	
- 0.15 - 0.15	1 2	ES D				\suba	angular brick and cer DE GROUND: Bro	ramic. wn slightly sar	ndy gravelly CLAY	Y. Gravel	is fine	0.20	
-						sanc	coarse subangular t Istone.					0.45	
0.65		EC				CLA	DE GROUND: Sti AY with occasional	tree roots 10	mm diameter. G	ravel is	ravelly fine to	(0.45)	
0.65 0.65 0.65	3 4	ES D V	$c_{ij}=180/140/16$			coai	se subangular brick,	ceramic and c	harcoal and buildi	ng stone.			
0.03	5	D	C _u -180/140/10	١		Stif	f brown mottled grey	slightly sandy	CLAY with occa	sional roo	otlets.	0.90	
-0.90		V	$c_u = 150/140$				armouth Mudstone I					(0.50)	
-												(0.50)	
		_				~ 10						1.40	
1.40	6	D				(1m	f grey mottled brown) gypsum crystals.	<i>C</i> ,	ndy CLAY with	occasion	al fine	_	
-						(Ch	armouth Mudstone I	Formation)				(0.50)	
[
-						Stif	f blue grey mottled	brown thinly	laminated slightl	v sandv (CLAY	1.90	
2.00	7	D				with	rare medium sub	prounded mud	stone lithorelicts	and occa	asional	_	
						(Ch	omposing rootlets. armouth Mudstone I	Formation)					
-												-	
-												(1.10)	
2.50	8	В											
2.70	9	D					at 2.70m depth sma	ll shell fragmer	nts and occasional	gynsum c	rvstals	_	
[(1m	m) and no gravel.	ir onen magmer	ns and occasional	Бурзанге	i y suais	_	
3.00	10	D	<u></u>	4		Trio	1 pit terminated at 3.	00 m donth				3.00	
3.00				-		1118	i pit terminated at 3.	oo iii depui.				_	
_												-	
-												-	
-												-	
-												_	
_												_	
-												-	
_												-	
Plan (Not	t to Scal	e)						General	Remarks				
	4	2.8	80				stable.						
	▲ □						ter encountered. completion.						
08.0	ō						*						
	▼ ∟												
									Γ				
Method			Pla	nt .		All	dimensions in metre	S Logged	Scale:	Checked	1:25		
Used:	Ma	chine				JCI	3-3CX	By:	MBaker	By:	u	S	P AGS



STRUCTURAL SOILS

Op												! L	.UG
Contract:							Client:				Trialpi	t:	
Gr	ovei	field \	Way, Che	ltenl	nam		H N Bailey	J A Bailey	and C H Hai	rvey			TP7
Contract Re	f:		Date:			Groun	d Level (m):	National Gr	id Co-ordinate:		Sheet:		
,	7220	048		01.0	8.08		34.51	E:3906	81.8 N:2215	503.0		1	of 1
Sam	ples a	nd In-si	itu Tests	Water	cfill			D : /:	CC.				Material Graphic
Depth	No	Type	Results	■₩	Backfill			Description	oi Strata			(Thick ness)	Legend
0.10		Ъ				Gras	s over MADE GF elly friable CLAY	ROUND: Da	rk brown slightly	sandy s	lightly	0.10	
0.10 0.15	1 2	D ES				√suba	ngular to subrounde	d brick and lir	nestone.		lτ	0.20	
						BRIG	DE GROUND: Fine CK.	to coarse grav	el sized subangula	ar to subro	ounded	0.45	
_						MAI	DE GROUND: Fire occasional rootlets	n to stiff brov	vn slightly sandy	gravelly	CLAY	- 0.13	
0.60	3 4	D ES				build	ling stone (sandston	e/limestone an	d ceramic).				
0.60 - 0.60	4	V	$c_u = 150/130/18$	0			stiff light brown s m diameter.	slightly sandy	CLAY with occas	sional tre	e roots	(0.75)	
_						(Cha	rmouth Mudstone F	formation)				- ` ´	
												-	
1.20	5	В				Stiff	grey mottled brown	r friable thinly	laminated slightly	v sandy o	ravelly	1.20	• • • • •
1.20						CLA	Y. Gravel is fine si	ıbangular mud	stone lithorelicts.	y surray g	luvelly	-	<u> </u>
						(Cna	rmouth Mudstone F	ormation)				[• • • •
_												-(0.80)	
1.80	6	D											
_						Very	stiff blue grey mor	ttled brown th	inly laminated CL	AY interl	edded	2.00	
						with	very weak grey mu rmouth Mudstone F	dstone excava	ted as cobbles.			_	
2.30	7	D				(Cita	imodii wadstone i	omation				-	
2.30	′	V	c _u =160/160									_	
												(1.25)	
-												-	
2.90	8	D					at 2.90m 1-5mm gy _] . from 3.00m dept		fragments with	owneum o	rvetale	_	
-						1-5n		ii Tolliili Silçii	magnicitis with §	дурзин с	1 y Stais	-	
3.25	9 [В	†	1		Trial	pit terminated at 3.	25 m depth.				3.25	
				_			.					-	
_												-	
												-	
-												-	
-												-	
_												-	
-													
								C 1	D 1				
Plan (Not to	Scale	e)						General	Remarks				
	•	2.8	so — >	1.	Trial p	it walls	stable.						
0							er encountered. completion.						
0.70							-						
Method			Plan	nt .		All	limensions in metre	Logged	Scale:	Checked	1:25		
Used:	Ma	chine				JCB	-3CX	By:	MBaker	By:		S	P AGS



STRUCTURAL SOILS

Contract:		» 11 1	T 7	al L	,		Client:	I 4 D 11	10111	Trial	pit:	TD
Gr(Contract Ref		field \	Way,	Chelt Date:	enh	am	Ground Level (m):	·	and C H Har	Shee	.4.	TP
	722(148			01.08	2 N2	36.25		10 Co-ordinate.		_	of 1
			4 T4				30.23	E.3700)/2.U 11.2217	107.0		Mater
Depth	No	Type	tu Tests Resi	ults	Water	Backfill		Description	of Strata		(Thick ness)	
0.15 0.15	1 2	ES D					Long grass/thistles ove slightly gravelly friable coarse subangular ceran	CLAY with f	requent rootlets. (n slightly sand Gravel is fine t	(0.45)	
0.60 0.60 0.60	3 4	ES D V	c,=200/1	40/130			Stiff brown slightly sa medium subrounded lin	andy slightly gonestone and cha	ravelly CLAY. Garcoal with occasion	bravel is fine to nal rootlets.	0.45	
0.90	5	D	Cu 2007	10/150			Stiff grey slightly sand	CLAY.			0.90	
							(Superficial Deposits)				(0.70)	
1.60	6	В					Ctiff and the things		- CLAV		1.60	==
1.60	6a	В					Stiff grey mottled brow (Superficial Deposits)	n sugnuy sandy	CLAI.		-(0.60)	
2.20	7	D					Very stiff grey mottled with coarse subangular (Charmouth Mudstone	mudstone litho	laminated slightly relicts.	y sandy CLAY	2.20	
2.55	8	D					at 2.55m depth occ	asional decomp	osing red purple re	ootlets.	-	
2.85	9	D					at 2.85m depth free	quent 2mm gyp:	sum crystals presen	ıt.	(1.35)	
3.20	10	D					pockets of orange s	lightly sandy c	ay from 3.20m dep	oth.	-	
3.55	11	D					$\sqrt{3.50}$ m depth.		ent abundant shell	fragments from	3.55	-
-							Trial pit terminated at 3	.55m deptn.			-	
											-	
Plan (Not to	Scale	e)						General	Remarks			
() 22 30	•				1 т	rial ni	t walls stable.	Comorai	_ tviimiii)			
0.80		3.3	0		2. N	lo gro	t wans stable. undwater encountered. led on completion.					
							All dimensions in metr	es	Scale:	1:25	5	
				Plant				Logged		Checked		



STRUCTURAL SOILS

Contract:			•	~1.			Client:				alpit:	ŒD.
		field \	Way,		tenh	am		•	and C H Har		4 .	TP
Contract Re		0.40		Date:	01.0	0.00	Ground Level (m):			Sho		a 1
	722(01.0		33.99	E:3900	35.0 N:2214	183.4		of 1
Sam Depth	ples a	nd In-si Type	tu Tests Resi	ults	Water	Backfill		Description	of Strata		Depth (Thick ness)	
0.20 0.20	1 2	D D					Grass over MADE Gl gravelly friable CLAY charcoal, brick and lime MADE GROUND: St sandy slightly gravelly	with frequent r stone. iff light orang	ootlets. Gravel is	fine subangu	$\frac{\text{lar}}{\text{tly}} = 0.20$	
0.60 0.60	3 4	D ES					subrounded limestone a	nd charcoal.	is the to media	iii subaligulai	-	
0.60		V	c _u =110/1	30/110							-(1.20)	
1.40	5	В					Stiff grey mottled orang with occasional orange (Charmouth Mudstone I	pockets of sand	y laminated slightl ly clay.	ly sandy CLA	1.40 AY (0.60)	
2.10	6	D					Very stiff dark grey th gypsum crystals. (Charmouth Mudstone l	•	slightly sandy CI	LAY with 1n	2.00 nm _	
2.70	7	D					at 2.70m depth occ gypsum crystals and we	casional decom	posing rootlets, ra	are to occasion	-(1.00)	
3.00	∏ 8 [D [h	ı			Trial pit terminated at 3				3.00	=
-								·			-	
Plan (Not to	Scale	<u> </u>	<u> </u>					General	Remarks			
0.80	←	3.7	0]	2. N	lo gro	t walls stable. undwater encountered. led on completion.	Seneral	Comming			
				1			All dimensions in metre		Scale:	1:2	25	, <u>-</u>
Method Used:		chine o	•	Plant Used			JCB-3CX	Logged By:	MBaker	Checked By:	_	P



Min									TR	IAL	Pl	TL	.OG
Contract:		<u> </u>					Client:				Trialpi	t:	
Gr Contract Re		field \	Way, Chel	tenh	am		H N Bailey	•	y and C H Ha	rvey	Sheet:		TP10
	7220	048	Date	01.08	8.08		33.97		5 74.4 N:221 4	406.8	Sneet:	1	of 1
San	nples a	ınd In-si	tu Tests	Water	Backfill			Description	of Strata			Depth (Thick	
Depth	No	Type	Results	× ×	Bac	C	MADE C			1	11.1.4	ness)	Legend
- 0.15 0.15	1 2	ES D				grav \sub	ass over MADE Green welly friable CLAY rounded brick, charge	7. Gravel is oal, glass and	fine to medium ceramic with frequence	n subangu ent rootlet	lar to	0.20	
0.40	3	D				gra	ADE GROUND: Stit velly firm CLAY. estone.	Gravel is find	nottled grey slight e subrounded bric	ly sandy s k, charco	al and	(0.30)	
0.60 0.60 0.60	4 5	ES D V	c _u =112/70/100			Firi	m to stiff grey mottl nge fine sand sized g narmouth Mudstone	ypsum crustals	htly sandy CLAY s.	with poc	kets of	-	
1.10	6	D										-(1.00) -	
1.50	7	D				Stif	ff grey thinly lamin	nated slightly	sandy CLAY wi	th fine g	vnsum	1.50	
1.50		V	c _u =90			crys	stals Imm long with narmouth Mudstone	silty very fine	sand on laminated	surfaces.) F =	(0.60)	
2.10	8	D				Stif	ff blue grey bro	wn slightly	sandy CLAY v	with occa	sional	2.10	
2.30	9	D				dec	composiong rootlets a narmouth Mudstone	and gypsum cry	ystals of up to 10m	m in lengt	h.	(0.50)	
2.60	10	D				Ver	ry stiff to hard thinly	laminated ores	v blue brown sligh	tly sandy (TAV	2.60	
						inte	erbedded with weak larmouth Mudstone	MUDSTONE 8	and excavated as c	obbles.	CLITT	(0.50)	
2.90	11	D										3.10	
3.10	12	D				inte	ry stiff to hard dark erbedded weak MUD narmouth Mudstone	STONE excav	andy very thinly larated as cobbles.	aminated (CLAY	(0.30)	
3.40	13	В		1		Tria	al pit terminated at 3	40m depth.				3.40	
_												-	
-												-	
-												-	
Plan (Not to	o Scale	e)						General	Remarks				<u> </u>
0.70	4	3.2	0	2. N	o gro	undwa	s stable. ater encountered. a completion.						
Made 1			ni ni			All	dimensions in metre		Scale:	C1 1	1:25		4
Method Used:	Ma	chine (dug Plan			JC1	B-3CX	Logged By:	MBaker	Checked By:	1	S	P AGS



STRUCTURAL SOILS

Op												ГІ	! L	.UG
Contract:								Client:				Trialpit	:	
Gr	ovef	field \	Way, C	Chelt	enh	am		H N Bailey	J A Bailey	and C H Har	vey			TP11
Contract Re	f:		I	Date:			Grou	nd Level (m):	National Gr	rid Co-ordinate:		Sheet:		
	722(048			01.08	8.08		32.03	E:3905	526.1 N:2214	180.2		1	of 1
San	ples a	nd In-si	itu Tests		ter	ĘĮ]								Material
Depth	No	Туре	Resu	lts	Water	Backfill			Description	of Strata			(Thick ness)	Graphic Legend
0.20	1	ES					grav	s over MADE GF elly friable CLAY. coal and limestone.	ROUND: Da Gravel is f	rk brown slightly ine to medium su	sandy s ibangular	lightly brick,	- 0.25	
0.20	2	D					subr	n light brown sligh ounded limestone. perficial Deposits)	tly sandy slig	htly gravelly CLA	AY. Gra	ivel of	(0.40)	
- 0.75 0.75 0.75	3 4	ES D V	c _u =180/13	30/135			Grav	light brown mottle rel is fine subrounde perficial Deposits)	ed grey slightl d limestone.	y sandy slightly g	gravelly (CLAY.	- 0.65 - - - -(0.70)	
1 25	5	D					St; B	`	di in la la maio an	4-4-1:-1:414(OL AN		- - - 1.35	
- 1.35	5 D 6 B						(Cha	grey mottled brown armouth Mudstone F	ormation)	tea siightiy sandy (LAY.		- - - -	
- 1.85 - -	6 B							decomposing purplements.	e rootlets from	1.85m depth and	occasiona	al shell	_(1.05)	
2.40	7	D					frag	stiff dark grey thin ments and fine frequ armouth Mudstone F	ent gypsum cr	andy CLAY with ystals 2mm.	occasiona	al shell	2.40	
2.90	8	D											(0.90)	
3.30	9	D					Ver	weak dark grey M	JDSTONE.				3.30	
-							(Cha	armouth Mudstone F	formation)				(0.30)	
3.60	10	В					Tria	I pit terminated at 3.	60m depth.					
Plan (Not to	Scale	<u>'</u>	-						General	Remarks				
0.80	lan (Not to Scale) 3.30 88						undwa	stable. ter encountered. completion.	Scholal					
							All	dimensions in metre		Scale:		1:25		
Method Used:	Mac	chine (dug	Plant Used:			JCF	B-3CX	Logged By:	MBaker	Checked By:	d 	S	P AGS



Opp										IK	IAL	M	I L	.OG
Contract:								Client:				Trialpi	t:	
Gre	vef	ield \	Way, Cl	nelt	enh	am		H N Bailey	, J A Bailey	and C H Ha	rvey			TP12
Contract Ret	:		Da	ate:			Grour	nd Level (m):	National Gr	id Co-ordinate:		Sheet:		
	/22()48		(01.08	8.08		33.08	E:3904	190.5 N:2214	102.2		1	of 1
Sam	oles a	nd In-si	tu Tests		er	fill							Depth	Material
Depth	No	Туре	Results	s	Water	Backfill			Description	of Strata			(Thick ness)	Graphic Legend
							Gras	ss and thistles over	MADE GROU	JND: Dark brow	n slightly	sandy	,	
0.15	1	D					sligh subr	ntly gravelly friable ounded charcoal, br	CLAY. Grave ick, ceramic, li	el is fine to mediu mestone and frequ	m subang ent rootle	ular to ts.	(0.30)	
0.15	2	ES						y stiff light brown					0.30	
							CLA	AY. Gravel is fine	to medium sub	rounded limestone	e and occ	asionál		
							(Sup	perficial Deposits)					(0.70)	· · · · · ·
- 0.75	3	D											(0.70)	
0.75	4	ES	160/160	/200										
0.75	5	V D	$c_u = 160/160$	/200			Stiff	grey slightly san	dv slightly g	ravelly CLAY	Gravel	is fine	1.00	- · - · - · - · - · · · · · · · · · · ·
							suba	ingular to subroundo perficial Deposits)	ed mudstone.	- C2:11.	014101	.5 11110	-	
-							(Sup	berneiai Deposits)					(0.50)	<u> </u>
-													1.50	
<u> </u>	6 D							y stiff grey mott	led/interbedded	d brown slightly	sandy	thinly	-	
1.60	6 D							nated CLAY. armouth Mudstone I	Formation)				(0.50)	
-														
							3.7	-4:CC 1.1 1		1 CLAY:		1 24.	2.00	
-							weal	y stiff blue grey lank k MUDSTONE	and excavated	y sandy CLAY ii d as cobbles v	nterbedde vith occ	d with asional	-	
2.20	7	В					decc (Cha	omposing red/purple armouth Mudstone I	rootlets. Formation)					
-									,				-(0.80)	
-													-	
2.65	8	D						occasional to rare sl	nell fragments i	from 2.60m depth.				
-							Wea	ık dark grey blue M	UDSTONE wi	th occasional gyps	sum cryst	als and	2.80	
							shell	l fragments, excavat armouth Mudstone I	ed as cobbles.		-		_	
-							(Cit	amoun muustone i	ornation)				(0.70)	
3.20	9	D												
-														
3.50	10	D	1	П			Tria	l pit terminated at 3.	50m depth.				3.50	
-													-	
_														
-													-	
-													-	
													-	
DI G	<u> </u>	`							C 1	D1			<u> </u>	
Plan (Not to	Scale	e)		-					General	Remarks				
	•	3.0	0					stable.						
0								ter encountered. completion.						
0.70														
200							All	dimensions in metre	1	Scale:		1:25		
Method Used:	Mac	chine (Plant Jsed:			JCE	B-3CX	Logged By:	MBaker	Checked By:	1	S	P AGS



On.	,										IK	IAL	M	L	UG
Contrac	t:								Client:				Trialpit	:	
	Gro	vef	ield \	Way, (Chelt	enh	am		H N Bailey	, J A Bailey	and C H Ha	rvey			TP13
Contrac	t Ref:]	Date:			Grour	d Level (m):	National Gr	rid Co-ordinate:		Sheet:		
	72	22 0)48		(01.08	8.08		31.38	E:3904	178.2 N:221	474.2		1	of 1
	Sampl	es a	nd In-si	tu Tests		ter	fill							Depth	Material
Dept	h I	No	Туре	Resu	lts	Water	Backfill			Description	of Strata			(Thick ness)	Graphic Legend
								Gras	s over MADE G	ROUND: Da	ark brown slightl	y sandy s	slighty		
0.20		1	D					grav	elly friable CLAY. s, charcoal, brick an	Gravel is find frequent root	le to coarse suban lets.	igular to a	ngular	0.25	
0.20		2	ES					MA	DE GROUND: Lig	ht brown sligh	tly sandy slightly	gravelly C	LAY.	-	
								lime	stone with occasion	al rootlets.				0.50	
-								Stiff	light grey brown s subangular to subro	lightly sandy s unded limestor	slightly gravelly C ne	LAY. Gr	avel is	-	
0.70		3	D					(Sup	perficial Deposits)					-	
0.70 - 0.70		4	ES V	$c_u = 110/10$	08/140									-	
-														- (1.20)	<u></u>
1.10		5	D											-(1.20)	
-														-	
-														-	· · · · · · · ·
-														-	
1.70		6	D					Stiff	grey mottled brown	closely fissur	ed slightly sandy (TAV		1.70	<u> </u>
1.70			Ъ					(Cha	armouth Mudstone I	Formation)	ca siightiy sanay (CLATT.		-	<u> </u>
									6 200 1 1	1 1 1	4:11:4	1 14 1		_	
-									from 2.00m depth 1-2mm gypsum cry		ne thinly laminate	d with abi	undant	-	
2.20		7	D											(1.07)	=
-														_	
-														-	
														- 277	
2.77		8	D					Hard	dark grey thinly	laminated sli	ghtly sandy CLA			2.77	
_								occa MU	sional 1-2mm DSTONE and excar	gypsum crys ated as cobble	tals, interbedded	d with	weak	-	
- 3.05		9	D					(Cha	armouth Mudstone I at 3.05m depth dec	Formation)		hedding si	ırfaces	(0.63)	
-									eak mudstone/hard		outpie rootiets on	ocuanig se	maces	-	
														3.40	
3.40		10	D						k dark blue grey vated as cobbles.	MUDSTON	IE with occasion	nal fossil	s and	3.60	
3.60		11	В						rmouth Mudstone I					3.00	
								Ппа	l pit terminated at 3.	oom deptn.				-	
-														-	
														-	
-														-	
-														-	
														-	
Plan (No	ot to S	cale)							General	Remarks				
			2.0	0		1. T	rail p	it walls	stable.						
	A	_	3.0	0		2. N	lo gro	undwa	er encountered.						
	0.90).B	ackIII	icu on	completion.						
	- y														
								All	dimensions in metre	S	Scale:		1:25		
Method					Plant					Logged		Checked			
Used:	N	Mac	chine (dug	Used:			JCE	B-3CX	By:	MBaker	By:		\mathbf{S}	P AGS



STRUCTURAL SOILS

Ope									IKI	AL	PI	I L	.U
Contract:		· 111		NI 14			Client:				Trialpit		TD1
		field \	Way, C		enh	am		•	and C H Har	vey	C1		TP1
Contract Re	er: 722 (148		Date:	01.08	2 00	Ground Level (m): 32.59		id Co-ordinate: 172.6 N:2214	111	Sheet:	1	of 1
			4 To at a				32.33	E.3704	1/2.0 11.2214	14.4			
Depth	No No	I	tu Tests Resul	lts	Water	Backfill		Description of	of Strata			Depth (Thick ness)	
0.20	1	ES					Grass over MADE G gravelly friable CLAY brick, charcoal and lim	with frequent ro	rk brown slightly potlets. Gravel is f	sandy s ine subro	lightly ounded	(0.30)	
0.20	2	D					Firm light brown mot Gravel is fine subround (Superficial Deposits)	tled grey slightl led limestone wi	y sandy slightly g th occasional rootle	gravelly (ets.	CLAY.	(0.35)	
0.70 0.70 0.70	3 4	ES D V	c _u =150/15	50/130			Stiff light brown mottle (Superficial Deposits)	ed grey closely f	issured slightly san	idy CLA	Y.	(0.35)	
			C _u -130/13	00/130			P: (4 11	C 1 1: 1	4 1 1:14	11 6	Nr. 437	1.00	
1.00 1.00	5	B V	c _u =70	0			Firm grey mottled brov Gravel is fine to mediu (Superficial Deposits)	vn fissured sligh m subrounded m	tly sandy slightly g nudstone/limestone	gravelly C	LAY.	(0.50)	
							Stiff dark grey laminal gypsum crystals 1-2mm	n (interbedded b		undant/fr	equent	1.50	
1.85	6 B						(Charmouth Mudstone	rormation)				- -	
2.30	7	D					at 2.30m deptl	20mm lamina	otions/bods along	which a	r moure	(1.30)	
2.30		Б					crystals are present.	i 20mm iamma	ations/beds along	willen g	ypsum	-	
2.80	8	D					Weak dark grey MUD fragments. Mudstone i (Charmouth Mudstone	s excavated as c	requent gypsum cr obbles.	ystals and	d shell	2.80	<u>-</u>
3.30	9	D					at 3.30m depth occ	easional ovosum	ervetale			(0.85)	
3.40	10	В					ut 3.30m depth occ	азгонаг дурзанг	orystais.			-	
3.65	11	D	1	Γ			Trial pit terminated at 3	3.65m depth.				3.65	
												-	
												- -	
Plan (Not to	n Scale	.)						General	Remarks				
(2 100 0					1 T-	rail m	t walls stable.	General	I CITIMI IV				
0.70	†	2.6			2. N	o gro	undwater encountered. led on completion.						
							All dimensions in metr	295	Scale		1:25		
Method				Plant			An unicisions in metr	Logged	Scale:	Checked			
Used:	Ma	chine	dug	Used:			JCB-3CX	By:	MBaker	By:		S	P A



STRUCTURAL SOILS

On											IK			L	.UG
Contract:								Client:					Trialpit		
		field '	Way, (enh	am			iley,		and C H Ha	rvey			CBR1
Contract Re]	Date:			Grou	nd Level (m):			id Co-ordinate:		Sheet:		
	722	048		-	01.0	8.08	<u> </u>	38.41		E:3907	92.1 N:221	451.9		1	of 1
Sam Depth	ples a		tu Tests Resu	ılts	Water	Backfill				Description of	of Strata			Depth (Thick ness)	Material Graphic Legend
0.15	1 2	D ES					grav	g grass over Melly friable CL.	AY v	vith gravel of	Brown slightly fine to medium s	y sandy s ubangular	lightly brick,	(0.27)	
0.15		ES					CLA	DE GROUND AY. Gravel is f k and charcoal.	: Stif	f brown grey coarse subar	slightly sandy	slightly g sandstone	ravelly e chert,	(0.21)	
0.48 0.48 0.48	3 4	D ES V	c _u =110/12	20/120			Terr	ninated at 0.48r	n dep	th.				0.48	KXXXX
_														-	
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-														-	
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-														-	
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-														-	
Plan (Not to	Scale	e)					<u> </u>			General	Remarks				
	.=	2.0	ıo -		1. T	rial p	it walls	stable.							
09:0		2.0	00		2. N 3. C	lo gro Califor	undwa nian B	ter encountered earing Ration te completion.	st coi	mpleted.					
26.5				D1			All	dimensions in n	netres		Scale:	G! :	1:15		
Method Used:	Ma	chine	dug	Plant Used:			JCF	3-3СХ		Logged By:	MBaker	Checked By:	1	S	P AGS



STRUCTURAL SOILS

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Contract:	4	7 L I "	T 7	~ 11	4 la		Client:	T 4 D 4			Trialpit		anna
		field V	<u>way,</u>		tenn	am			and C H Hai	rvey	Ch a st.		CBR2
Contract Re		140		Date:	01.0	0.00	Ground Level (m):			141 7	Sheet:	1	. 1
	722(<u> </u>	01.0	T	38.53	E:3907	789.1 N:2214	141./			of 1
Sam Depth	1	nd In-sit	1	sults	Water	Backfill		Description	of Strata			Depth (Thick ness)	
							Grass (long) over MAI CLAY with frequent is subrounded fragments of	DE GROUNE rootlets. Occ f charcoal and	D: Brown slightl asional ceramic parick.	y sandy pieces an	friable d fine	-(0.40)	
0.20 0.20	1 2	D ES										- (0.40)	
0.40	3	D					MADE GROUND: Sti CLAY with occasiona	al roots. Grav	vel is very fine	slightly g subangu	ravelly	0.40	
0.55 0.55 0.55	4 5	ES D V	c =60	0/80/80			\subrounded fragments of MADE GROUND: Sti gravelly CLAY. Gravel	iff brown ora	nge grev slightly	sandy s	lightly al and	0.55	
- -			C _u oo,	180/60	1		brick. Terminated at 0.55m dep	oth.				_	
- I												_	
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												_	
Plan (Not to	Scale	;)						General	Remarks				
0.70	_ '_	2.10	0	•	2. N 3. C	No gro Califor	it walls stable. undwater encountered. rnian Bearing Ratio test con lled on completion.	npleted,					
											1 15		
Method Used:		chino d		Plan	 t		All dimensions in metres	Logged By:	Scale:	Checkee By:	1:15	C	P AGS



STRUCTURAL SOILS

72											., _	• •		
Contract:		~ 111	 7	~1 L	. 1		Client:					Trialpit		~DD1
		field	Way,		enh	am		iley, .		and C H Ha	rvey			CBR3
Contract Re		0.40		Date:			Ground Level (m):			id Co-ordinate:		Sheet:	_	_
	7220	048		<u></u>	01.08	8.08	37.22		E:3907	58.6 N:221	164.1		1	of 1
San Depth	_	Type	itu Tests Res	sults	Water	Backfill]	Description (of Strata			Depth (Thick ness)	Material Graphic Legend
-							Long grass over gravelly friable C subrounded charco	MADE CLAY. oal and l	GROUND: Gravel is orick with fre	Brown slightly fine to medium equent rootlets.	sandy s	lightly ılar to	-(0.20)	
0.15 0.15	1 2	D ES					MADE GROUND	D: Stiff	light brown	and grev slightly	v sandv s	lightly	0.20	
0.30	3	D					gravelly CLAY. and rare rootlets.	Gravel	is fine to me	edium subrounded	Í brick, cl	narcoal	(0.30)	
													0.50	
0.50 0.50	4 5	D ES					Terminated at 0.50	m deptl	1.					
0.50		V	$c_u=130$	/120/100									-	
_												_	-	
_												_	-	
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Plan (Not to	o Scale	e)						(General	Remarks				
					1 T	rial n	it walls stable.							
	→	2.2	20	>	2. N	lo gro	undwater encountered	d.						
0.70	1						nian Bearing Ratio te lled on completion.	st comp	leted.					
0	↓ ∟				'. 1	.avnIII	on completion.							
												1 1 5		
Method				Plant			All dimensions in		Logged	Scale:	Checke	1:15		
Used:	Mo	china	dua	Used			ICR 3CV		Bv:	MRokor	Bv:		C	P AGS



STRUCTURAL SOILS

Contract:							Client:	•				.00
	ovef	field \	Way,	Chelt	enh	am		J A Bailey and C H	Harvey	Trialpit		CBR4
Contract Re			<u> </u>	Date:	·C1111		Ground Level (m):	National Grid Co-ordinat	•	Sheet:		
	722	048			01.0	8.08	35.97	E:390711.2 N:2	21461.7		1	of 1
San	nples a	and In-si	tu Tests		Water	Backfill		Description of Strata			Depth (Thick	
Depth	No	Type	Res	sults	§ ⊗	Bac		_			ness)	Legend
0.20	1	D					Long grass over MAD gravelly friable CLAY subangular brick, charco	E GROUND: Brown sli Gravel is fine to med al and ceramic.	ghtly sandy s lium subroun	slightly ded to	(0.30)	
0.20	2	ES						-			0.30	
0.40	3	D					MADE GROUND: Sti sandy slightly gravelly brick, charcoal and limes	ff brown mottled grey or CLAY. Gravel is fine to tone.	ange brown s medium subro	slightly ounded	(0.35)	
0.65	4 5	D ES			1		Terminated at 0.65m dep	th.			0.65	XXXXX
Plan (Not to	o Scale	e)						General Remark	S			
08.0	4	2.2	0.		2. N 3. C	No grou Californ	it walls stable. undwater encountered. nian Bearing Ratio test con led on completion.	pleted.				
							All dimensions in metres			1:15		
Method Used:	Ma	chine o	ժուժ	Plant Used	:		JCB-3CX	Logged By: MBaker	Checke By:	d	S	P AGS



STRUCTURAL SOILS

Op									111			! L	.UG
Contract:							Client:				Trialpit	:	
Gr	ovef	field V	Way, (Chelt	enh	am	H N Bailey	J A Bailey	and C H Har	vey		(CBR5
Contract Re	f:]	Date:			Ground Level (m):	National Gr	id Co-ordinate:		Sheet:		
,	722(048		(01.08	8.08	34.90	E:3906	60.5 N:2214	45.3		1	of 1
Sam	ples a	nd In-si	tu Tests		Water	cfill		D : ::	CCL			Depth	Material Graphic
Depth	No	Туре	Resu	ılts	Wa	Backfill		Description				(Thick ness)	Legend
_							Grass over MADE GR gravelly friable CLAY charcoal and limestone.	ROUND: Date: . Gravel is	k brown slightly fine to coarse su	sandy s bangular	lightly brick,	-(0.20)	
0.15	1 2	ES D					MADE GROUND: Stif Gravel is fine subangula	f brown slight r limestone, ch	ly sandy slightly garcoal and brick.	gravelly (CLAY.	0.20	
0.40	3	D					MADE GROUND: Stif gravelly CLAY. Grave brick.	f light brown n l is fine suban	nottled grey slightl gular to subround	y sandy s ed charco	lightly oal and	(0.30)	
_												0.70	
0.70							Terminated at 0.70m dep					- - -	
-												-	
												-	
-												-	
_												-	
-												-	
												-	
Plan (Not to	Scale	e)						General	Remarks				
08.0	2. No g						it walls stable. undwater encountered. nian Bearing Ratio test con led on completion.	npleted.					
							All dimensions in metre	S	Scale:		1:15		
Method Used:							JCB-3CX	Logged By:	MBaker	Checkee By:	i	S	P AGS



STRUCTURAL SOILS

										111				.UG
Contract:							C	lient:				Trialpi	t:	
Gr	ovef	field \	Way, C	Chelt	enh	am		H N Bailey,	J A Bailey	and C H Hai	rvey			CBR6
Contract Re				Date:			Ground I	Level (m):	National Gr	rid Co-ordinate:	-	Sheet:		
,	7220	048		(01.0	8.08		34.04	E:3906	601.2 N:2214	133.1		1	of 1
Sam	ples a	nd In-si	tu Tests		ter	till.			D 1.11	6.0.			Depth	Material
Depth	No	Туре	Resu	lts	Water	Backfill			Description	of Strata			(Thick ness)	Graphic Legend
							Long gravelly	ass over MADE	GROUND: I	Dark brown slightl bangular to subrou	y sandy s	slightly ck and	(0.20)	
0.15	2	D					charcoa	1.	Giaver or sa	oungular to subtot	an aca on	on una	0.20	
0.20	1	ES					MADE	GROUND: Stiff	light brown r	nottled grey slightlerounded limeston	ly sandy s	slightly	0.20	
_							brick.	CLAY. Grav	ei is fine suc	orounded limeston	e, cnarco	ana ana	(0.30)	
-													-	
0.50	 ∏ 3 [ES [1	Г			Termin	ated at 0.50m der	ath.				0.50	
0.50 0.50	3 4	D V	$c_u = 140/13$	30/140			TCITIIII	aca at 0.50m ac _i	,ui.				-	
0.30	Ш		Cu 140/12	70/140										
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Plan (Not to	Scale	e)							General	Remarks				
	-	— 2.5	in ——		1. T	rial pi	it walls we	re stable.						
	· [2.3						encountered. ng Ratio test con	npleted.					
08.0	,						led on cor		protou.					
							All dim	ensions in metres		Scale:		1:15		
Method Used:	d Plant Used:							CX	Logged By:	MBaker	Checke By:	d	\mathbf{S}	P AGS



STRUCTURAL SOILS

							1			.,			
Contract:	rovo	fiald '	Way, C	halt	anh	am	Client:	I A Dailer	and C U Ua	METOET	Trialpit		CBR7
Contract I		iiciu		ate:	CIIII	aiii	Ground Level (m):		and C H Hai	ivey	Sheet:		JDK/
Contract	722	048			01.08	8 N8	33.43		556.3 N:2214	136.1	Silect.	1	of 1
Sa			itu Tests					210700	7000 1 (1221				1
	No	1	Result	ts	Wate	Backfi		Description	of Strata			(Thick	Graphic
Sa Depth 0.20 0.25 0.50 0.50 0.50	amples a	and In-s	Result	ts	Water	Backfill	Grass over MADE GR gravelly friable CLAY. brick and limestone. MADE GROUND: Firm Gravel is fine to medium MADE GROUND: Stiff gravelly CLAY. Grave charcoal. Terminated at 0.50m dep	Description OUND: Da Gravel of su a brown slight subangular br Clight brown rel is fine sub	of Strata rk brown slightly bangular to subrously sandy slightly ick, charcoal and	sandy s unded cha gravelly C limestone.	CLAY.	Depth	Material
Plan (Not	←		40		2. N 3. C	lo gro Califor	it walls stable. undwater encountered. nian Bearing Ratio test com lled on completion.	pleted.	Remarks		115	-	
Method Used:	NЛ.	china		Plant Used:			All dimensions in metres	Logged By:	Scale:	Checked	1:15	C 1	P AGS



STRUCTURAL SOILS

Op												ГІ	! L	.UG	
Contract:								Client:				Trialpit	:		
Grovefield Way, Chelt					enh	am		H N Bailey	J A Bailey	y and C H Hai	rvey			SA1	
Contract Ref: Date:					Grou		Groui	nd Level (m):	National Gr	rid Co-ordinate:		Sheet:			
722048			(04.08.08			33.48	E:3906	637.1 N:2215	522.7		1	of 1		
Samples and In-situ Tests					Water	Backfill			Description	of Strata				Material Graphic	
Depth	No	Туре	Results		Wa	Bacl			Description	of Strata			(Thick ness)	Legend	
_							sano	stles and long grass ly slightly gravelly ounded charcoal and	friable CLA	Y. Gravel is fine	brown s e subangu	lightly ılar to	0.26		
0.20	1 2	D ES					MA Gra	DE GROUND: Firm vel is fine subang asional rootlets.	n brown sligh	tly sandy slightly	gravelly C and brick	CLAY.	-(0.31) - 0.57		
0.70	3 4	ES D					Gra frag	f light brown mottle vel is fine subang ments. perficial Deposits)	ed grey slightl ular to subro	ly sandy slightly gounded limestone	gravelly C and fine	CLAY.	(0.53)		
- 0.70		V	c _u =130/130/	130			(Su _l	permetar Deposits)					- - 1 10		
1.10	5	D					root	f grey brown mottled s 2mm. armouth Mudstone I		ly sandy CLAY.	With occa	sional	1.10 - -		
									,				- -(0.80) -		
1.90	6	D V	c _u =90/110	110			Stiff	f grey mottled brown	n slightly sand	y slightly gravelly	CLAY.	Gravel	- 1.90 -		
-			ou your				frag	is fine subrounded limestone, 2mm gypsum crystals and occasional shell fragments. (Charmouth Mudstone Formation)							
- 2.45	7	D											-		
2.65	8	D	\uparrow				Pit t	erminated at 2.65m	depth.				2.65	•	
-													-		
Plan (Not to Scale)								General Remarks							
2.80 →					 Trial pit walls stable. No groundwater encountered. Soakaway test completed. Backfilled on completion. 										
							All	dimensions in metre	1	Scale:		1:25			
Method Used: Machine dug Plant Used							JCI	3-3CX	Logged By:	MBaker	Checked By:	i 	S	P AGS	