



VectorMap Local Published 2021

Source map scale - 1:10,000

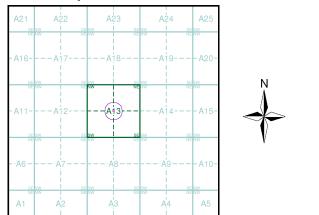
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

TQ28NW	TQ28NE
2021	2021
Variable	Variable
	 I _{TQ28SE} I
2021	2021

Historical Map - Slice A

- - - -- -



Order Details

Order Number:	302163780_1_1
Customer Ref:	20353
National Grid Reference:	526330, 185990
Slice:	A
Site Area (Ha):	0.04
Search Buffer (m):	1000

Site Details

9, The Mount, LONDON, NW3 6SZ



0844 844 9952 0844 844 9951 www.envirocheck.co.uk

Appendix C Field Work

Appendix C.I Engineers Logs

		Ìc	9 T	act Name he Mou act Numb	nt, Ham		-ONDON, N End Date:	W3 6SZ Logged		Checke	ed By:	Statu	IS:	Hole II Hole T	BH1	
5				20353			2 - 26/08/22		SW				FINAL		BH	
. I M		re d	Eastin	g:		Northing:		Ground	Level:	Plant U	lsed: Cutdown		Date:	Scale:	1.50	
eather: Fir	ne				Terr	nination:					Hammer: N/		12/10/2022		1:50	et 1 of
		Situ Testing							Strata D			.,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Gro	undwa
Depth	Туре	Resul	ts	Level (mAOD)	Depth (m) (Thickness)	Legend	Brown sandy		asional to fro		escription nedium subrour	aded to an	gular flipt brie	kand	Wate Strik	e Insta
0.20	D				(0.40)		clinker gravel.	Frequent	rootlets. MA	DE GROUND						
0.50).50 - 1.00	D B				0.40		Soft brown sa Presence of a			fine to mediun	n subrounded t	o angular	flint and brick	fragments.		
50 - 1.00	D													-		
1.00	D													-	1	•••••••••••••••••••••••••••••••••••••••
1.50	SPT	N=17 (2,2/3	3 4 5 5)		(2.10)									Ę		•••
.50 - 2.00	DB	N=17 (2,2/	5,4,0,0)											-		•
2.00	D													-	2	•••
														-		•••
2.50	SPT D	N=12 (2,2/2	2,3,3,4)		2.50						ND. Gravel is fi	ne to medi	ium subrounde	ed to		
.50 - 3.00	В				(0.50)		subangular flir	nt. BAGSH	HOT FORMA	TION						•••
3.00	D				3.00		Fine Brownish	n yellow S	AND. BAGSH	HOT FORMAT	ION			t	3	•••
3.50	SPT	N=14 (2,2/3	34421											-		•••
0.00	D	14-14 (2,2)	5,7,7,0)											-		•••••••••••••••••••••••••••••••••••••••
4.00	D													-	4	••••••
														-		•••••
4.50	SPT D	N=14 (2,4/3	3,4,3,4)											-		•
														-		
5.00	D													-	5	
5.50	D				(5.00)									-		••••••
0.00	D				(0.00)									-		•••
6.00	SPT	N=16 (2,3/4	4,3,4,5)											-	6	
	D													[
6.50	D													-		
	_													-		
7.00	D													-	7	
7.50	SPT	N=20 (3,4/3	3.5.6.6)											-		
	D		, ,											-		
8.00	D				8.00		Soft brownish	vellow sa	ndy CLAY. B	AGSHOT FOF	RMATION				8	
								-	-					L		
8.50	D													[- t		
9.00	SPT	N=20 (3,3/4	1556)		(4.00)									-		
5.00	D	11-20 (3,3/2	,,,,,,,,,,		(4.00)									F	9	
9.50	D													F		
														-		Ň
10.00	D					<u>+:-</u> 7÷									10	
St Date	tart & End Time	of Shift Obse Depth (m) Ca	rvations asing (m)) Water (m	Boreho) Depth (n	n) Dia (mi	n) Depth (m) I	Dia (mm)	Remarks:							
							15.00	200]							
												Water S	trikes			
om (m) To		Chiselling ration	Remar	ks	Top (m		stallation n) Type I	Dia (mm)	Strike (m)	Casing (m)	Sealed (m) T			Watter added t	o aid dri	lling. A
					0.00	1.00	PLAIN PLAIN	33 33						water strike are been masked.	e likely to	b have
									Ha	and vane (HV),	, Hand penetro	meter (HP) reported in k	Pa. PID reporte	d in ppm	1.

			9 TI	act Name he Mour act Numb	nt, Hamp		ONDON, N End Date:	W3 6SZ Logged		Checke	ed By:	Statu	s:	Hole I Hole 1	В	H1	
S			Easting	20353 g:		25/08/22 Northing:	2 - 26/08/22	Ground	SW Level:	Plant U	Jsed:	Print	FINAL Date:	Scale		ЗΗ	
		T E D									Cutdown		12/10/202	2		:50	
Veather: F		Situ Testing		1	Tern	nination:			Strata D		Hammer: N	I/R, Energ	y Ratio: 669	%			2 of 2 dwate
Depth	Type	Result	s	Level (mAOD)	Depth (m) (Thickness)	Legend			Strata D		escription					Water Strike	Backfil
							Soft brownish	yellow sa	ndy CLAY. BA	AGSHOT FOF	RMATION			-			
10.50	SPT D	N=20 (3,4/3	,5,6,6)											-			
11.00	D													-	11		
11.50	D													-			
12.00	SPT D	N=29 (7,7/7	,6,8,8)		12.00		Yellowish oran	ge fine to	medium SAN	ID. BAGSHO	T FORMATIC	N			12		
12.50	D													- - - -			
13.00	D													-	13		
13.50	SPT D	N=30 (4,6/7	7,8,7,8)		(3.45)									-			
14.00	D													-	14		
14.50	D																
15.00	SPT D	N=31 (3,5/6	,8,8,9)		15.45						ole at 15.45r				15		
									E	ind of Boren	iole at 15.451	11		-	16		
														- - - - -			
														-	· 17		
														- - - - - - - - - - - - - - - - - 	18		
															· 19		
														-			
	Start & End	of Shift Obser	vations		Boroha	le Diamete	r Casing Di	ametor	Remarks:					-	20		
Date				Water (m			r Casing Dia n) Depth (m) [15.00	ameter Dia (mm) 200	rtemarks:								
												Water St	rikes				
rom (m) 1		Chiselling Iration	Remar	ks	Top (m)		n) Type [Dia (mm)	Strike (m)	Casing (m)	Sealed (m)			Remarks Watter added	to aid	d drillin	ig. Anv
<u>Sirr (III)</u>			Torrial		0.00	1.00 6.00	PLAIN PLAIN PLAIN	33 33 33				-		water strike a been masked	re like	ely to h	ave
									Hai	nd vane (HV)	, Hand penetr	ometer (HP)	reported in k	Pa. PID reporte	ed in	ppm.	

				Mount, H			LONDON, N	W3 6SZ	Client:						WS1	
S			Contract I		20		End Date:	Logged E	-	Check	ed By:	Status:		Hole Typ		
			2 Easting:	0353	,	31 Northing:	/08/22	Ground L	GJB	Plant I	leod:	FINAL Print Date:		Scale:	WS	
LIM	1 I T	ED	Easung.		ľ	voruning.		GIOUIIU L	evel.	Fidilit	HHWS	12/10/20			1:50	
Weather:					Tern	nination:										1 of 1
Sai Depth	mples & In S Type	Situ Testing Result	s l	_evel Dept	th (m)	Legend			Strata I		escription				Water	Backfill/
Dopui	1900	rtooun	0 (n	nAOD) (Thick	knèsś)				medium S		•	and occasional fine to m	nedium flint	S	Strike	Installation
1.20	D			(0.	25 65) 90 00		MADE GROU	orown clayey ND ayey fine to ND	medium s	andy fine to m	iedium angula	dium flints and fine bric r flint GRAVEL. Fine bri rootlets. Rare fine sub-r	ck traces.	-1		
1.50	ES D ES			(1.	10)		gravel. BAGS			onginity oneyoy	0, 110, 110, 10			-		
2.00	D			2.	10					ming very CL/ GSHOT FORM		sional intermittent pocke	ets of light	-2		
2.50	D			(1.	20)									3		
3.50	D			3.	30		Fine to coarse medium orang	e medium or ge brown fin	angish gre e to coarse	ey brown slight e sand. BAGS	ly clayey SAN HOT FORMA	ID. Rare intermittent ba TION	nds of			
4.00	D				00)									- 4		
4.50	D			(0.	30) 60			ge brown fin	e to coars	e sand. BAGS	HOT FORMA		bands of	-		
5.00	D			(1.	40)									- 5		
6.00	D			6.	00					End of Bore	hole at 6.00n	n				
														- 7		
														- 8		
	Start & End	of Shift Obser	vations		orebo	le Diamete	er Casing Di	ameter D	emarks:					- 10		
Date				ater (m) Dep	pth (m	n) Dia (m	m) Depth (m)	Dia (mm)	.endrKS:							
		Chiselling					stallation		Strike (m)	Casing (m)	Sealed (m)	Water Strikes Time (mins) Rose to (r	n) Remark	s		
From (m) To		ation	Remarks	То	op (m)) Base (Dia (mm)								
									H	and vane (HV)	, Hand peneti	rometer (HP) reported ir	ı kPa. PID ı	reported in	n ppm.	

				t Name: e Mour		pstead,	LONDON, N	Client:			Hole ID:	WS2	
			Contrac		er:		End Date:	Logged By:	Checked By:	Status:	Hole Typ		
			Easting	20353		31 Northing:	1/08/22	GJB Ground Level:	Plant Used:	FINAL Print Date:	Scale:	WS	
. I M	1 I T	ED					-		HHWS	12/10/2022		1:50	
/eather:			_		Teri	mination:						Sheet	
Depth	mples & In S	Situ Testing Result	ts		Depth (m) (Thickness)	Legend		Strata De	tails Strata Description			Grour Water Strike	Back
	71.1			(mAOD)	(Thickness)		Dark orange/l		•	ium flints and fine brick fragm	nents.	Suike	
					(0.70)						-		
					0.70		Light brown o	lavov fina to modium cor	dy fine to modium angular	flint GRAVEL. Fine brick trace			
					(0.30) 1.00		MĂDE GROL	IND			1		
1.20	D ES						Rare fine ang		gravel. Occasional rare inte	s. Rare fine ash, brick fragme rmittent bands of light orange			
					(0.80)				Sond.		-		
1.70	D ES				1.80		Dark orange l	prown slightly clavey slig	htly silty fine to coarse SAN	D. Rare fine brick, ash fragm	ients.		
0.00					(0.70)				b-rounded flint gravel. MAD		- 2		
2.20	D ES				. ,						-		
2.60	D ES				2.50 2.70		to coarse ang	ular to sub-angular flint	ravel. BAGSHOT FORMAT	fine ash fragments. Occasior ION	-		
					(0.50)				vey fine to coarse SAND. Rand. BAGSHOT FORMATIO	are rootlets. Rare intermittent N	t bands		
3.10	D ES				3.20		Light yellowis	h fine to coarse grey SA	ND. BAGSHOT FORMATIO	N			
3.60	D										-		
0.00					(1.10)						E		
4.10	D										- 4		
4.40	D				4.30		Dark yellowis	h grey brown very clayey	SAND. BAGSHOT FORM	ATION			
					4.50		Light orange	grey mottled brown very	clayey SAND. BAGSHOT F	ORMATION	-		
4.90	D										- 5		
					(1.20)		• - -				-		
5.40	D						-				-		
					5.70 (0.30)		Light orange	grey mottled brown very	clayey SAND. BAGSHOT F	ORMATION			
6.00	D				6.00	11444	·	Ē	nd of Borehole at 6.00m		6		
											-		
											-		
											- 7		
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0	Start & End	of Shift Obse	rvations		Boroba	ble Diamete	er Casing D	iameter Remarks:			- 10	1	
Date		Depth (m) Ca		Water (m)									
					1					Water Strikes			
		Chiselling				1	etallation	Strike (m)	Casing (m) Sealed (m)		narks		
om (m) To		Chiselling ation	Remarks	S	Top (m	In I) Base (mstallation (m) Type	Strike (m) Dia (mm)	Casing (m) Sealed (m) T	ime (mins) Rose to (m) Ren	narks		
om (m) To			Remarks	S	Top (m				Casing (m) Sealed (m) T		marks		

	Soils	Limited				Probe No.
	Newton House, Cross I	Road, Tadworth KT20 5SF	R I	Probe L	.og	DP1
		il: admin@soilslimited.co.u	ık		_	Sheet 1 of 1
Project Name:	9 The Mount, Hampstead, LONDON, NW3 6SZ	Project No. 20353	Co-ords:			Hole Type DP
Location:	9 The Mount, Hampstead,		Level:	m AOD		Scale
Olianti	· · · ·					1:50 Logged By
Client:			Dates:	30/08/2022		GJB
Depth (m)		Blows/10	00mm			Torque (Nm)
(11)	10	20	30	4()	((NIII)
0	72					
	2 3 3					
1	4					
	4 3 3 3 3 3					
	5					
2	6 5 6					
	3 4					
	<u>2</u> 4					
3	3 4 4					
	4 4 5					
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	222222					
5	7 10 6					
	12 10 10 10 10					
	6					
6						
	<i>1</i>					
-						
7						
8						
9						
10 Remarks	I	Fall Height	760mm	Cone Base Dian	neter 52mm	
		Hammer Weight		Final Depth	6m	AGS
		Probe Type	DPSH	Energy Ratio (E	r) 73.7%	REGISTERED USER 2020

		Soils Li	nited						Pr	obe No.
	Newton Hou	use, Cross Roa	id, Tadwo	rth KT20 5SR			Probe L	og		DP2
		14221 Email: a			ĸ					eet 1 of 1
Project Name:	9 The Mount, Han LONDON, NW3 6	npstead, SZ	Project 20353	NO.	Co-o	rds:				ole Type DP
Location:	9 The Mount, Ha	ampstead, LC	NDON,	NW3 6SZ	Leve	l:	m AOD			Scale
Client:					Date	<u>.</u>	30/08/2022		Lo	1:50 ogged By
					Date	5.	30/08/2022			GJB
Depth				Blows/10	0mm					Torque
(m)	11	0	2	0		30	4	0		(Nm)
0	1									
	2222									
	4									
1	4 4 3									
	2 2 2									
	2 3 4									
2						_				
	4 4 5									
	5555									
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3-	4									
	5									
	44									
4	4									
	556									
	6 4 4									
	5 6									
5-	4									
	99									
	5 99									
6	9 8 7									
7										
8										
9						_				
10 Remarks			Fall F	leight 7	'60mm	1	Cone Base Dia	meter 52mm		
				ner Weight 6			Final Depth	6m		AGS
			Probe	е Туре С	PSH		Energy Ratio (E	r) 73.7%		REGISTERED USER 2020

Appendix D Geotechnical In-Situ and Laboratory Testing

Appendix D.I Classification

Classification based on SPT "N" values:

The inferred undrained strength of the cohesive soils was based on the SPT "N" blow counts, derived from the relationship suggested by Stroud (1974) and classified using Table D.1.1. (Ref: Stroud, M. A. 1974, "The Standard Penetration Test – its application and interpretation", Proc. ICE Conf. on Penetration Testing in the UK, Birmingham. Thomas Telford, London.).

Table D.I.I SPT "N" Blow Count Cohesive Classification

Classification	Undrained Cohesive Strength C _u (kPa)
Extremely low	<10
Very low	10 – 20
Low	20 – 40
Medium	40 – 75
High	75 – 150
Very high	150 – 300
Extremely high	> 300

Note(s): (Ref: BS EN ISO 14688-2:2004+A1:2013 Clause 5.3.)

The relative density of granular soils was classified based of the relationship given in Table D.1.2.

The UK National Annex to Eurocode 7: Geotechnical design – Part 2: Ground investigation and testing, NA 3.7 SPT test, BS EN 1997-2:2007, Annex F states "Relative density descriptions on borehole records should also be based on uncorrected SPT N values, unless significantly disturbed, using the density classification in BS 5930:2015, Table 7.

Table D.I.2 SPT "N" Blow Count Granular Classification

Classification	SPT "N" blow count (blows/300mm)
Very loose	0 to 4
Loose	4 to 10
Medium dense	10 to 30
Dense	30 to 50
Very dense	Greater than 50

Note(s): (Ref: The Standard Penetration Test (SPT): Methods and Use, CIRIA Report 143, 1995)

Appendix D.2 Interpretation

Table D.2.1	Interpretation	of SPT Tests
	meer protation	

BH	Strata	SPT N60 Blow Counts	Inferred Cohesive Strength	
BHI	BGS - Granular 2.50 – 8.00 Clayey SAND	15 – 22	Medium dense	
	BGS - Cohesive 8.00 – 12.00 Sandy CLAY	22	High (Cu = 110kPa)	
	BGS - Granular 12.00 – 15.00 Clayey SAND	32 – 34	Medium dense to dense	

Table D.2.2 Interpretation of DPSH Blow Counts

DP	Strata	Equivalent SPT N60 Blow Counts	Inferred Cohesive Strength/Granular Density
DPI	BGS - Granular 1.00 - 2.10 Clayey SAND	11 – 16	Medium dense
	BGS - Cohesive 2.10 – 3.30 Sandy CLAY	12 – 13	Medium (C _u = 60 – 65kPa)
	BGS - Granular 3.30 – 4.30 Clayey SAND	17	Medium dense
	BGS - Cohesive 4.30 – 4.60 Sandy CLAY	7	Low (C _u = 35kPa)
	BGS - Granular 4.60 – 6.00 Clayey SAND	20 – 34	Medium dense to dense
DP2	BGS - Cohesive 2.50 – 2.70 Sandy CLAY	4	Medium (C _u = 70kPa)
	BGS - Granular 2.70 – 6.00 Very clayey SAND	12 – 27	Medium dense

Table D.2.3 Interpretation of Atterberg Limit Tests

Stratum	Moisture Content	Plasticity Index (%)	Passing 425μm	Modified Plasticity	Soil Classification	Volume Change Potential		
	(%)		Sieve (%)	Index (%)		BRE	NHBC	
BGS - Cohesive	23	22	88	19	CI	Low	Low	

Stratum	Moisture Content	Plasticity Index	Passing 425μm	Modified Plasticity	Soil Classification	Volume Change Potential		
	(%)	(%)	Sieve (%)	Index (%)		BRE	NHBC	
BGS – Granular	-	-	100	-	NP	No	No	

Note(s): NP = None Plastic. BRE Volume Change Potential refers to BRE Digest 240 (based on Atterberg results) NHBC Volume Change Potential refers to NHBC Standards Chapter 4.2

Soils Classification based on British Soil Classification System

The most common use of the term clay is to describe a soil that contains enough clay-sized material or clay minerals to exhibit cohesive properties. The fraction of clay-sized material required varies, but can be as low as 15%. Unless stated otherwise, this is the sense used in Digest 240. The term can be used to denote the clay minerals. These are specific, naturally occurring chemical compounds, predominately silicates. The term is often used as a particle size descriptor. Soil particles that have a nominal diameter of less than 2 µm are normally considered to be of clay size, but they are not necessarily clay minerals. Some clay minerals are larger than 2 µm and some particles, 'rock flour' for example, can be finer than 2 µm but are not clay minerals. (The Atterberg Limit Tests were undertaken in accordance with BS 1377:Part 2:1990 Clauses 3.2, 4.3 and 5)

Table D.2.4 Interpretation of PSD Tests

Location	Depth (m bgl)	Soil Description	Volu Pote	me Change ntial	Passing 63µm Sieve (%)	
			BRE	NHBC		
BHI	2.50	Brown silty/ clayey fine to coarse SAND	Yes	No	28	
BHI	4.50	Brown slightly gravelly silty/ clayey fine to coarse SAND	Yes	No	24	
BHI	6.50	Brown slightly gravelly silty/ clayey fine to coarse SAND	Yes	No	21	
BHI	9.00	Brown slightly gravelly fine to coarse sandy SILT/ CLAY	Yes	Yes	81	
BHI	12.00	Brown slightly gravelly fine to coarse sandy SILT/ CLAY	Yes	Yes	57	
BHI	14.50	Brown silty/ clayey fine to coarse SAND	Yes	No	22	

Note(s): BRE 240 states that a soil has a volume change potential when the clay fraction exceeds 15%. Only the silt and clay combined fraction are determined by sieving therefore the volume change potential is estimated from the percentage passing the 63µm sieve. NHBC Standards Chapter 4.2 states that a soil is shrinkable if the percentage of silt and clay passing the 63µm sieve is greater than 35% and the Plasticity Index is greater than 10%. (The Particle Size Distribution Tests were undertaken in accordance with BS 1377: Part 2: 1990 Clause 9)

Appendix D.3 Geotechnical In-Situ and Laboratory Results





Contract Number: 61387

Client Ref: 20353 Client PO: 20353

> Client: Soils Limited Newton House Cross Road Tadworth Surrey KT20 5SR

Contract Title: 9 The Mount, Hampstead

Laboratory Report

> Date Received: **15-09-2022** Date Completed: **01-10-2022** Report Date: **01-10-2022**

> > This report has been checked and approved by:

Wayne Honey

Human Resources/ Health and Safety Coordinator

Qty

2

2

6

1

Test Description

For the attention of: Luke Wilkinson

Moisture Content of Soil BS1377 : Part 2 : Clause 3.2 : 1990 - * UKAS

1 Point Liquid & Plastic Limit

BS 1377:1990 - Part 2 : 4.4 & 5.3 - * UKAS

PSD Wet & Dry Sieve method

BS 1377:1990 - Part 2 : 9.2 - * UKAS

Disposal of samples for job

Notes: Observations and Interpretations are outside the UKAS Accreditation

- * denotes test included in laboratory scope of accreditation
- # denotes test carried out by approved contractor
- @ denotes non accredited tests

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This test report/certificate shall not be reproduced except in full, without the approval of GEO Site & Testing Services Ltd. Any opinions or interpretations stated - within this report/certificate are excluded from the laboratories UKAS accreditation.

Approved Signatories:

Brendan Evans (Office Administrator) - Paul Evans (Director) - Richard John (Quality/Technical Manager) Shaun Jones (Laboratory manager) - Shaun Thomas (Site Manager) - Wayne Honey (Human Resources/ Health and Safety Coordinator)

GEO Site & Testing Services Ltd Units 3-4, Heol Aur, Dafen, Llanelli, Carmarthenshire, Wales SA14 8QN Tel: 01554 784040 Fax: 01554 784041 info@gstl.co.uk gstl.co

GEOTECHNICAL SITE & TESTING		NAT	URAL MOISTURE, LI PLAS (BS 1377:199					
GEUTECHNICAL SITE & TESTING	LABURATURIES		(80 101110	50 T alt 2 : 4.4 & 0.0)				
Contract Number								
Site Name		9 The Mount, Hampstead						
Date Tested			2					
			DES					
Sample/Hole Reference	Sample Number	Sample Type	Depth (m)	Descriptions				

Brown gravelly sandy silty CLAY

Brown SAND

Reference WS2

WS2

D

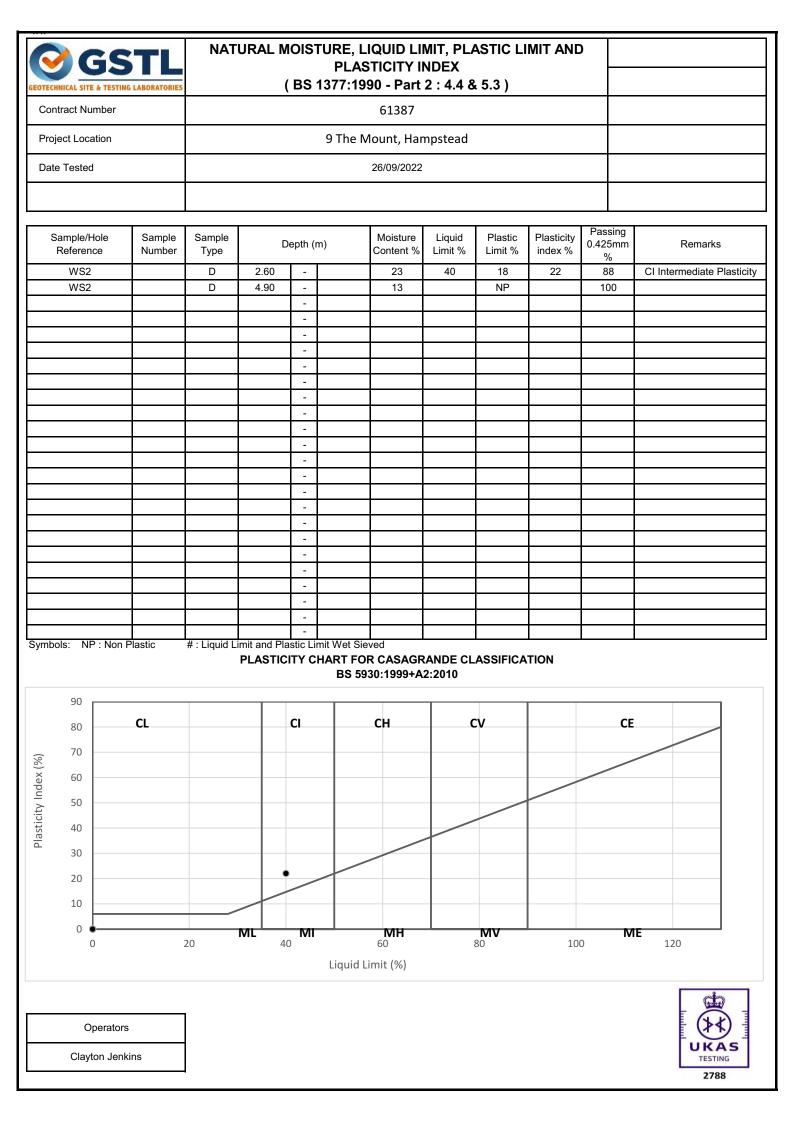
D

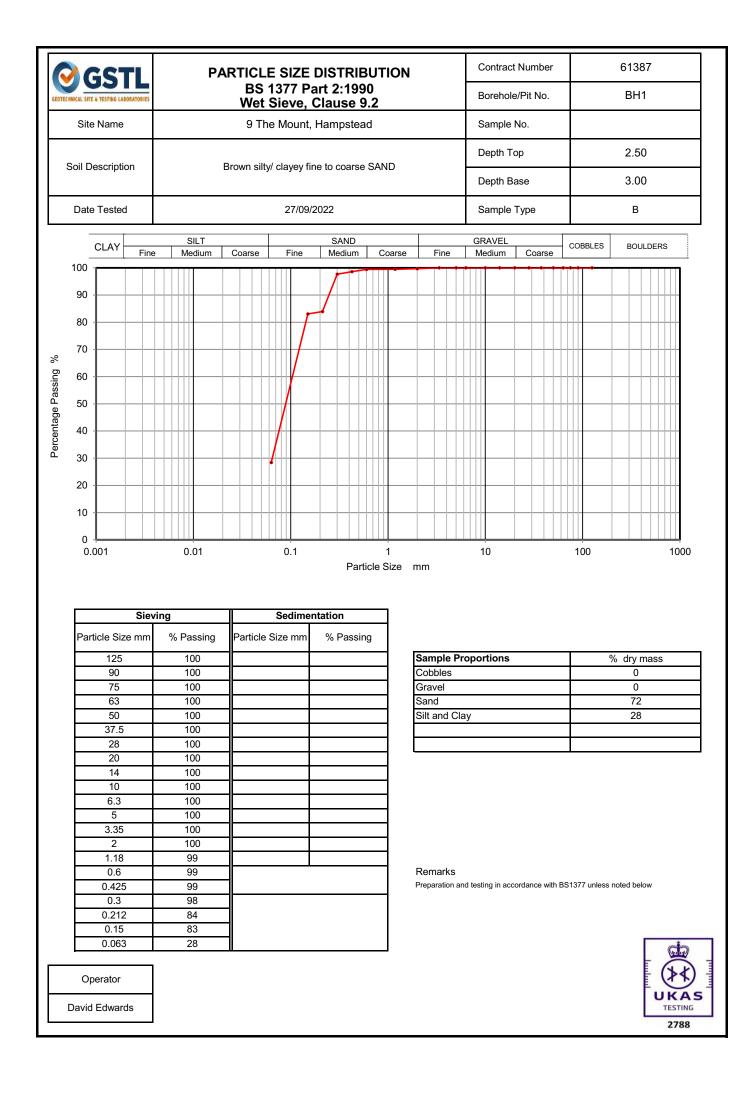
2.60

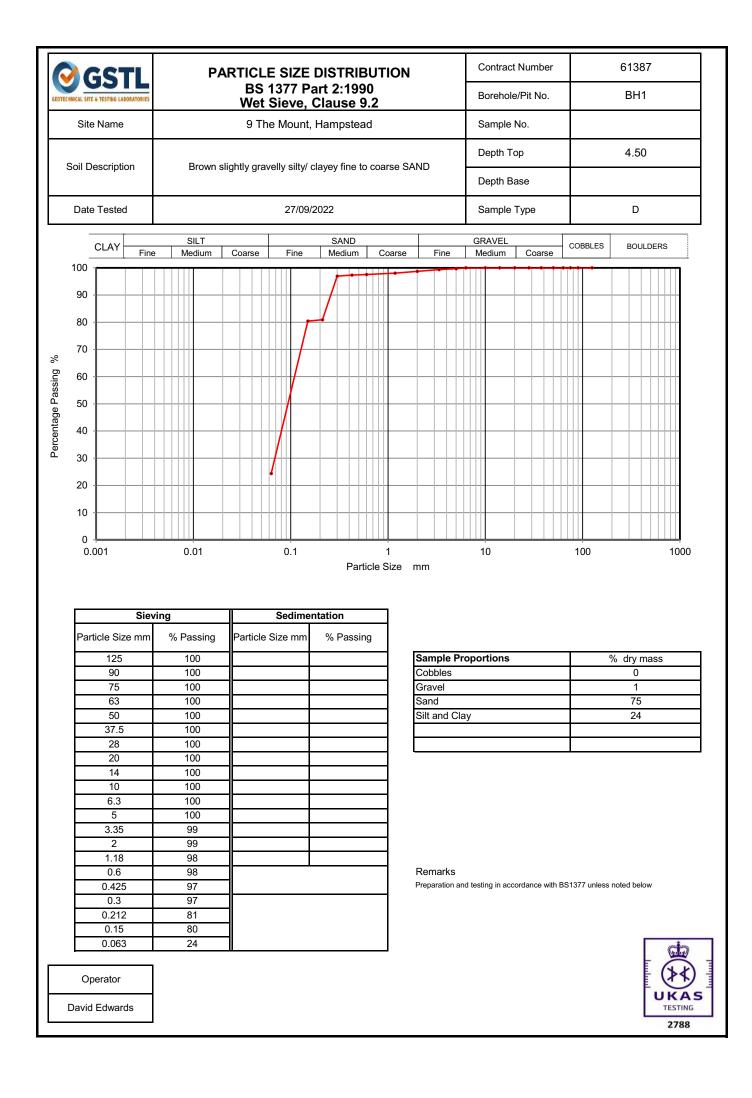
4.90

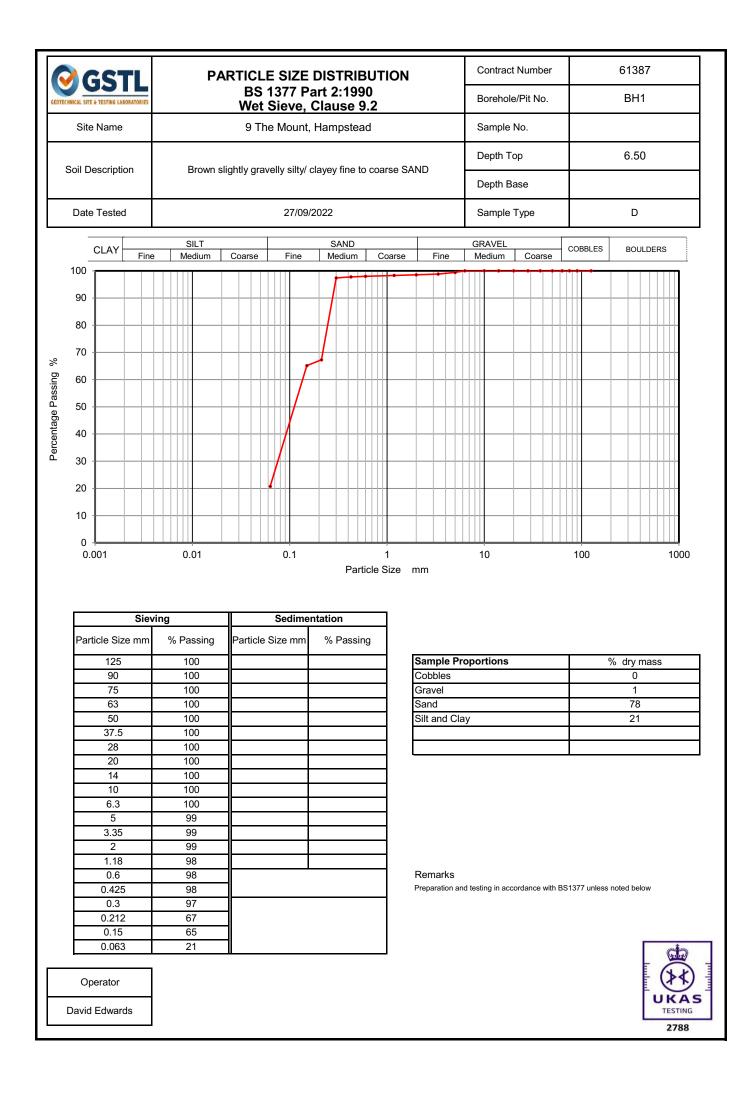
-

Clayton Jenkins

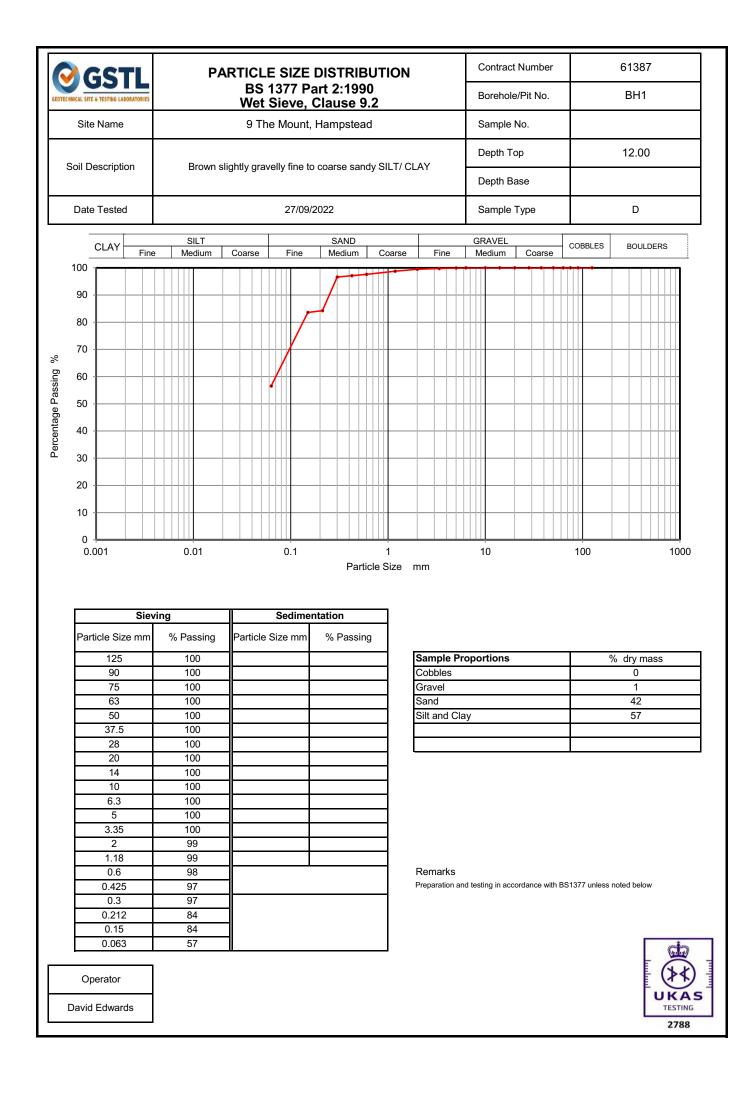


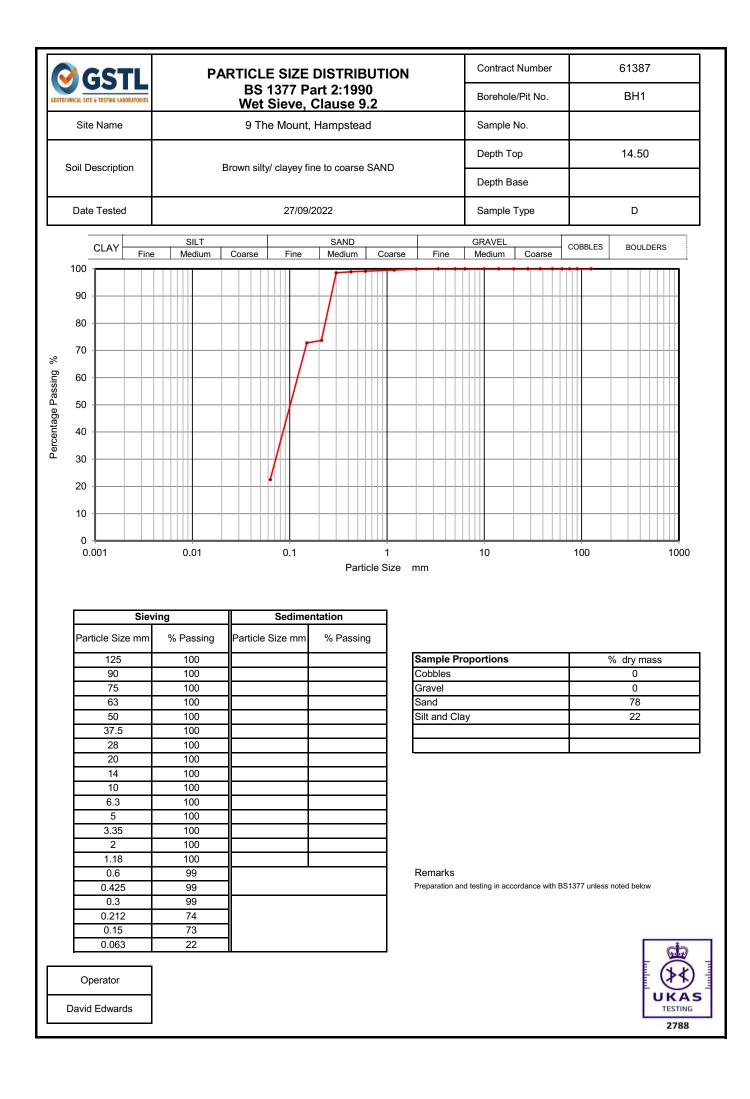






6		SSTL	PARTICLE SIZE DISTRIBUTION BS 1377 Part 2:1990							Contrac	Contract Number			61387			
GEOTEC	HNICAL SITE	& TESTING LABORATORIES	Wet Sieve, Clause 9.2								Borehole/Pit No.			BH	1		
	Site	Name	9 The Mount, Hampstead Sample No.														
	Soil D	escription	Brown	Depth T	ор		9.00										
	5011 De	escription	Brown slightly gravelly fine to coarse sandy SILT/ CLAY Depth Base														
	Date	Tested		2	27/09/2022						Туре		D				
		CLAY Fine	SILT Medium	Coarse F	ne	SAND Medium	C	oarse	Fine	GRAVEL Medium	Coarse	CO	BBLES	BOU	JLDERS	3	
	100 -						•	+•	•		· ₱──₽─₽₽					\square	
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	80 -																
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Pass	50 -																
ntage	40 -																
Percentage Passing																	
	30 -																
	20 -																
	10 -																
	0 -	001	0.01	0.	1			1		10		1(1000	
		Siev	ving	Sed	imentat			Size									
	Part	icle Size mm	% Passing	Particle Size	nm 9	% Passir	ng	1									
		125	100	_						Proportions			C	% dry			
		90 75	100 100	-				4	Cobbles Gravel			_		0			
		63	100	-				1	Sand					18	}		
		50	100					1	Silt and C	lay				81			
		37.5	100														
		28	100	_													
		20	100	_													
	-	14 10	100 100		_												
	-	6.3	100					1									
		5	100	_													
		3.35	100					1									
		2	99]									
		1.18	99					1									
		0.6	98	-1				1	Remarks			010-	7 '		1		
		0.425	98	_				4	Preparation a	and testing in ac	cordance with E	55137	/ unless	noted be	IOW		
	 	0.3 0.212	98 94	-1				1									
	-	0.212	94	-1													
		0.063	81	-1				1								and an	
		erator						_							_		
	Javiu	Edwards														2788	







Luke Wilkinson Soils Ltd Newton House Cross Road Tadworth Surrey KT20 5SR



Derwentside Environmental Testing Services Ltd Unit 1 Rose Lane Industrial Estate Rose Lane Lenham Heath Kent ME17 2JN t: 01622 850410

DETS Report No: 22-07733

Site Reference:	9 The Mount, Hampstead
Project / Job Ref:	20353
Order No:	20353
Sample Receipt Date:	14/09/2022
Sample Scheduled Date:	14/09/2022
Report Issue Number:	1
Reporting Date:	21/09/2022

Authorised by:

Ashworth Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.





Page 2 of 5

Soil Analysis Certificate								
DETS Report No: 22-07733		Date Sampled		30/08/22	30/08/22	30/08/22	30/08/22	30/08/22
Soils Ltd			Time Sampled	None Supplied				
Site Reference: 9 The Mount, Ham	npstead		TP / BH No	BH1	BH1	BH1	BH1	BH1
Project / Job Ref: 20353			Additional Refs	None Supplied				
Order No: 20353			Depth (m)	1.50	3.00	5.00	9.50	12.50
Reporting Date: 21/09/2022		D	ETS Sample No	612709	612710	612711	612712	612713
Determinand	Unit	RL	Accreditation					
pH	pH Units	N/a	MCERTS	7.8	7.6	7.3	5.7	6.2
Total Sulphate as SO ₄	mg/kg	< 200	MCERTS	565	< 200	616	257	1281
Total Sulphate as SO ₄	%	< 0.02	MCERTS	0.06	< 0.02	0.06	0.03	0.13
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	27	< 10	< 10	28	16
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.03	< 0.01	< 0.01	0.03	0.02
Total Sulphur	%	< 0.02	NONE	0.03	< 0.02	< 0.02	< 0.02	0.05
Ammonium as NH ₄	mg/kg	< 0.5	IS017025	1	1.1	1.2	1.6	1.2
Ammonium as NH ₄	mg/l	< 0.05	IS017025	0.10	0.11	0.12	0.16	0.12
W/S Chloride (2:1)	mg/kg	< 1	MCERTS	12	3	8	12	12
W/S Chloride (2:1)	mg/l	< 0.5	MCERTS	5.9	1.5	4	6.1	e
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	< 3	MCERTS	65	7	5	11	(
Water Soluble Nitrate (2:1) as NO ₃	mg/l	< 1.5	MCERTS	32.7	3.3	2.3	5.5	
W/S Magnesium	ma/l	< 0.1	NONE	1	0.5	0.6	1.1	

 W/S Magnesium
 mg/l
 < 0.1</th>
 NONE
 1
 0.5
 0.6
 1.1

 Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
 Subcontracted analysis (S)





Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 22-07733	
Soils Ltd	
Site Reference: 9 The Mount, Hampstead	
Project / Job Ref: 20353	
Order No: 20353	
Reporting Date: 21/09/2022	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
\$ 612709	BH1	None Supplied	1.50	12.4	Brown sandy clay with stones and concrete
\$ 612710	BH1	None Supplied	3.00	10.4	Brown sandy clay
\$ 612711	BH1	None Supplied	5.00	19.7	Brown sandy clay
\$ 612712	BH1	None Supplied	9.50	17.2	Light brown sandy clay
\$ 612713	BH1	None Supplied	12.50	37.9	Light brown sandy clay

Moisture content is part of procedure E003 & is not an accredited test Insufficient Sample $^{\rm VS}$ Unsuitable Sample $^{\rm VS}$

\$ samples exceeded recommended holding times





Soil Analysis Certificate - Methodology & Miscellaneous Information	
DETS Report No: 22-07733	
Soils Ltd	
Site Reference: 9 The Mount, Hampstead	
Project / Job Ref: 20353	
Order No: 20353	
Reporting Date: 21/09/2022	

Gen D Bronn - Water Soluble Determination of Water soluble boron in all by 21 betweet parts (Disveet by CP-0E) PD12 681 A& D Catters Determination of Strike by hadgace CP-0E3 E000 681 D Catters Determination of Strike by acater racial disection fallowed by CP-0E5 E000 681 A& Chromium - Near-Net Soluble (2) Distribution of advace by acat racial disection fallowed by Continuity (Strike Complex Complex by Individual by Continuity (Strike Complex Complex by Individual by Continuity (Strike Complex Complex by Individual for Strike Complex Complex by India Complex by Individual For Strike C	Matrix	Analysed On	Determinand	Brief Method Description	Method No
Sell AR TEX by heapsace C-MS E001 Sell D Cations Peternation of direct by endineed by CP-OTS E002 Sell D Chorde - Water Sould (2): 1) Beermation of chorde by endineed by Continent - Water Sould (2): 13 Generationation of thirde by endineed by Continenty E005 Sell AR Cronneis - Complex Determination of example by diablation followed by continenty E015 Sell AR Controls - Testa Complex Determination of example by diablation followed by continenty E015 Sell AR Cycobianes Instance Complex Determination of example by diablation followed by continenty E015 Sell AR Exercision of testa cycobia by diablation followed by continenty E015 Sell AR Electrical Conductivity Determination of exercision diverse by continenty E013 Sell AR Electrical Conductivity Determination of exercisia alubub zy solution of subrate circles in subrate size and the subrate size and the subrate size and the subrate size and the context size and the subrate size and the context size and the subrate size and t	Soil		Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	
600 D Cations Determination of cations in sol by aqui-resid detection followed by CROSS 6005 501 AR Chronium - Hoarviert Determination of hoarviert during with the standard by addition (Store) and standard by addition (Store) and Store) 6005 501 AR Chronium - Hoarviert Determination of hoarviert during with the standard by addition (Store) and by addition (Store) 6015 501 AR Cyanicis - Cropic during betamination of the cavalier during with addition (Store) and by addition (Store) 6015 501 AR Decomprises (Store) - Cyanicis - Cropic during with addition (Store) and the cavalian of the cavalier during with addition (Store) and the cavalian of the cavalier during with addition (Store) and the cavalian of the cavalier during with addition (Store) and the cavalian of the cavalian during the cavalian of					
601 D Chicode - Water Soluble (2): Determination of chicode by extraction with water & analyzed by ion chromatography 6009 603 AR Chronium - Hosowale Chromium is obly extraction with water & analyzed by ion chromatography 6019 604 AR Chronium - Hosowale Chromium is obly extraction with y colorimetry 6015 605 AR Chronium - Hosowale Chromium is obly extraction with y colorimetry 6015 606 AR Chronium - Hosowale Chromium is obly extraction with y colorimetry 6015 601 AR Chronium - Hosowale Chromium is obly extraction with y colorimetry 6015 603 AR Electrical Conductive Determination of teacon placeme antractile indytocarbons by GC-HD 6024 604 AR Electrical Conductive Determination of devicral conductive by solvert oxaction induce by CHD 6025 603 AR Electrical Conductive Determination of acontrol-hosen antractile indytocarbon by GC-HD 6004 603 AR Electrical Conductive Determination of acontrol-hosen antractile indytocarbon by GC-HD 6004 603 AR Electrical Conductive Determination of Control-hosen antractile indytocarbon by GC-HD 6004 6004 6004 <					
301 AR Chroman Instance II, 15 determination of Complex cyale by defailation followed by calorimetry 6015 301 AR Cyanide - Tree Determination of Tree cyanide by defailation followed by calorimetry 6015 301 AR Cyanide - Tree Determination of Tree cyanide by defailation followed by calorimetry 6015 301 AR Decel Range Organics (10) 620 6015 6015 301 AR Decel Range Organics (10) 620 6015 6015 6015 301 AR Electrical Conductivity Petermination of electrical conductivity by addition followed by calorimetric messurement. 6023 301 AR Electrical Conductivity Determination of electrical conductivity by addition followed by calorimetric messurement. 6023 302 AR Electrical Conductivity Determination of electrical conductivity by addition followed by CG-1D 6024 303 AR Electrical Conductivity Determination of electrical conductivity by addition followed by CG-1D 6024 303 AR Electrical Conductivity Determination of adoren/hexane encloable hydrocarbons by CG-1D 6026 304 AR Determination of adoren chacon connic contable hydrocarbons by	Soil	D			E009
Sail AR Cynaids - Complex Determination of complex oparatic by desiliation followed by colorimetry EDIS Sail AR Cyclobecane Determination of total cyclarditistion followed by colorimetry EDIS Sail AR Cyclobecane Detacable Matter (CDI) EDIS Sail AR Detace Range Organica - Total Determination of total cyclarditistion followed by colorimetry EDIS Sail AR Detace Range Organica - Color 2DE EDIS EDIS Sail AR Electrical Conductive Potermination of dectrical conductive by addition of water follower by colorimetry EDIS Sail AR Electrical Conductive Potermination of actional conductive by addition of water follower by colority EDIS Sail AR Electrical Conductive Potermination of actional conductive by addition of water follower by CoC HD EDIS Sail AR Electrical Conductive Potermination of actional conductive by addition of water follower by CoC HD EDIS Sail AR Electrical Conductive Potermination of actional conductive by addition of water follower by CoC HD EDIS Sail D Filter Mark Sockee Color EDIS EDIS Sail D<	Soil	AR		Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of	E016
Sail AR Cyclobiase	Soil	AR	Cyanide - Complex		E015
Gold D Crochesane Extractable Matter (CEM) Gravmitricialy determined through extraction with cyclohesane 601 Soil AR Electrical Conductivity Pessel Range Organics (CE) - CAD Netermination of heara/sectore extractable Mydrocohors by CG-FID 6004 Soil AR Electrical Conductivity Pessel Range Organics (CE) - CAD Netermination of electrical conductivity by addition of water followed by electrometric measurement 6023 Soil AR Electrical Conductivity Pessel Range Organics (CE) - CAD Netermination of electrical conductivity by addition of water followed by electrometric measurement 6023 Soil AR Electrical Conductivity Pessel Range Organics (CE) - CAD Netermination of accomplexene extractable Mydrocohors by CG-FID 6004 Soil AR EPH Todaci CD Determination of accomplexene extractable Mydrocohors by CG-FID 6004 Soil D Fraction Deganic Canhoro Determination of ToC ic nombuston analyses 6027 Soil D Fraction Deganic Canhoro Determination of ToC ic nombuston analyses 6027 Soil D Fraction Deganic Canhoro Determination of ToC ic nombuston analyses 6027 Soil D Fraction Degan	Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soli AR Desel Range Organics (CID - C2A) Determination of hexanity/sectore extractable hydrocathors by CC-TID EURO Soli AR Electrical Conductivity Determination of electrical conductivity by addition of subured relation and subured relation followed by GC-HS E022 Soli AR Electrical Conductivity Determination of electrical conductivity by addition of water followed by GC-HS E023 Soli AR EPH TEXAS (C3, C3, C1, C1, C4) Determination of actors/hexane extractable hydrocathors by GC-HD E004 Soli AR EPH TEXAS (C3, C3, C1, C1, C4) Determination of actors/hexane extractable hydrocathors by GC-HD E004 Soli AR EPH TEXAS (C3, C3, C1, C1, C4) Determination of actors/hexane extractable hydrocathors by GC-HD E009 Soli D Francine URGD Determination of ToCb combustion analyzer. E007 Soli D Traction Organic Cathon Determination of ToCb combustion analyzer. E003 Soli D Traction Organic Cathon Determination of ToCb combustion analyzer. E003 Soli D Hordan	Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Sol AR Electrical Conductivity Determination of electrical conductivity by addition of saturated calcum sulphate followed by E022 Sol AR Electrical Conductivity Determination of electrical conductivity by addition of water followed by electrometric measurement E033 Sol AR Electrical Conductivity Determination of electrical conductivity by addition of water followed by electrometric measurement E030 Sol AR EPH Folder LD electrical conductivity by addition of water followed by electrometric measurement E030 Sol AR EPH Folder LD electrical conductivity of addition of actors/lessme estratable indications by GC-FID E040 Sol D Factor Addition of Cole Determination of actors/lessme estratable indications by GC-FID E022 Sol D Factor Addition Determination of TOC by combustion analyzer. E027 Sol D Factor Addition Determination of TOC by combustion analyzer. E027 Sol D Factor Addition Determination of TOC by combustion analyzer. E027 Sol D Factor Addition Determination of TOC by combustion analyzer. E027 Sol D Factor Addition Determination of tote Condition anal	Soil				
Sail AR Electrical Conductivity decloament in measurement EI222 Sail AR Electrical Conductivity by addition of water followed by electrometric measurement E023 Sail AR Electrical Conductivity by addition of additional conductivity by addition of water followed by GC-MS E023 Sail AR Electrical Conductivity by addition of additional conductivity by addition of water followed by GC-MS E024 Sail AR EPH TEXK (CG-R) CF-CI (DC-LI) CM-CI (DC-R) E004 E004 Sail D Fenction Organic Carbon (PGC) Edermination of additional models additional of Educer bandyser. E027 Sail D Fraction Organic Carbon (PGC) Edermination of Tox (Cr conduction and water E027 Sail D FOC (Fraction Organic Carbon) Edermination of Tox (Cr conduction addition of addition addition of additional addition addition of addition addition of addition addition of addition addition of addition addi	Soil	AR	Diesel Range Organics (C10 - C24)		E004
Sol D Elemental Subture Determination of demental subture by colored extraction followed by CC-MS 6020 Sol AR PPH Froduct ID Edemination of actors/heame extractable hydrocarbons by GC-FD 6904 Sol AR PPH Froduct ID Edemination of actors/heame extractable hydrocarbons by GC-FD for CR to C4b to C4b by Eto 6904 Sol AR PPH TOXE (C4C, GC, GC, C0, C1C). 2D etermination of actors/heame extractable hydrocarbons by GC-FD for CR to C4b. C6 to C8 by Eto 6007 Sol D Fraction Organic Carbon (FCC) Edemination of TOX by combustion analyser. 6027 Sol D Fraction Organic Carbon (FCC) Edemination of TOX by combustion analyser. 6027 Sol D TOC (Total Organic Carbon (FCC) Edemination of More Machine Machine analyser. 6027 Sol D HOX (Tradino Machine	Soil	AR	Electrical Conductivity		E022
Soil AR EPH (Cio - Cot) Determination of acoton/hexane extractable hydrocarbons by CG-FID E004 Soil AR EPH TEVAS (Cic-G, Ca-Ci), Determination of acoton/hexane extractable hydrocarbons by CG-FID E004 Soil AR EPH TEVAS (Cic-G, Ca-Ci), Determination of acoton/hexane extractable hydrocarbons by CG-FID for CB to C40. C6 to C8 by CIC-CIC, Cic-Ci-Ci, Cic-Ci-Ci, Ci-Ci-Ci, Determination of TO: by combustion analyser. E027 Soil D Fraction (FiDe Determination of TO: by combustion analyser. E027 Soil D Tordicator Capanic Carbon (Determination of TO: by combustion analyser. E027 Soil D TOC (Total Organic Carbon (Determination of TO: by combustion analyser. E027 Soil D FDC (Fractin Organic Carbon (Determination of TO: by combustion analyser. E027 Soil D FDC (Fractin Organic Carbon (Determination of TO: by combustion analyser. E027 Soil D FDC (Fractin Organic Carbon (Determination of TO: by combustion analyser. E027 Soil D Loss on Ignition (Petro Hybrition Hybrition (Determination of To: by combustion analyser. E023 Soil D Magnesim - Water Soluble Determination of mater by coding fonolin soil by gravimetricially wit	Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil AR EPH Product ID Determination of accomp/hexane extractable hydrocarbons by GC-FID E004 Soil D FPH TEXAS (CS-G3, GC-L0, C1-C12, Determination of accomp/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by C12-C16, C11-C12, C11-C110, Determination of TOC by combustion analyser. E009 Soil D Fraction Organic Carbon (FOG) Determination of TOC by combustion analyser. E027 Soil D Organic Matter (SOM) Determination of TOC by combustion analyser. E027 Soil D TOC (Total Organic Carbon (FOG) Determination of TOC by combustion analyser. E027 Soil D TOC (Total Organic Carbon (FOG) Determination of TOC by combustion analyser. E027 Soil D FOC (Fraction Organic Carbon Determination of arcation in by discret analyser. E029 Soil D Loss on Ignition @ 4500c Determination of Inscion by carbon by oddising with potassium dichromate followed by (CP-OES E002 Soil AR Mineral Oil (C10 - C40) Determination of intrace to extractable hydrocarbons by GC-FID fractionating with SPE E004 Soil AR Mineral Oil (C10 - C40) Determination of intrace to extractable hydrocarbons by GC-FID fractionating with SPE E004	Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Sol AR EPH TEXAS (GC-G3, GS-C10, C10-C12, Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40, C6 to C8 by F1C 12-C15, G1-C-21, C21-C40) headspace GC-MS E004 Soli D FPactode-Water Soluble Determination of TC by combustion analyser. E027 Soli D FPactode-Water Soluble Determination of TCC by combustion analyser. E027 Soli D TOCC (Total Organic Carbon Determination of TCC by combustion analyser. E027 Soli AR Exchangeable Ammonium Determination of Organic Carbon by oddising with potassium dichromate followed by Entration analyser. E027 Soli D Loss on Jgnition @ 4500. Determination of organic Carbon by oddising with potassium dichromate followed by Entration with water followed by ICP-OES E025 Soli D Magnesium - Water Soluble Determination of meda's by aqua-regia digestion followed by ICP-OES E025 Soli AR Mineral Dif (C1) - C40) Determination of meda's by aqua-regia digestion followed by ICP-OES E026 Soli D Nitrate - Water Soluble Determination of nitrate by acateria digestion followed by ICP-OES E026 Soli AR Mineral Dif (C1) - C40) Determination of nitrate by acatration followed by ICP-OES	Soil	AR	EPH (C10 – C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soli AR C12-C16, C12-C12, C12-C40 headspace GC-MS Etodia Soli D Floation Organic Carbon (FOC) Determination of Toc by combustion analyser. E009 Soli D Floation Organic Carbon (FOC) Determination of TOC by combustion analyser. E027 Soli D TOC (Total Organic Carbon (FOC) Determination of TOC by combustion analyser. E027 Soli AR Exchangeable Ammonium Determination of ToC by combustion analyser. E023 Soli D TOC (Total Organic Carbon Determination of ToC by combustion analyser. E029 Soli D Less on Liphtion @ 4500 Determination of fraction of organic carbon by oxicital with the sample being ignited in a muffle E019 Soli D Magnesium - Water Soluble Magnesium by contraction with water followed by ICP-OES E002 Soli AR Mineral OII (C10 - C40) Petermination of metal participation with participation with set solub magnesium shyse by GC-DI fractionaling with POES E002 Soli AR Mineral OII (C10 - C40) Petermination of metal by acuracial disection followed by ICP-OES E003 Soli AR PAH - Speciate (CFA1 10) Determination of Intrate by extraction with wat	Soil	AR			E004
Soil D Cl2Cl6, L02-Cl Cl2Cl6, L02-Cl Cl2Cl6, L02-Cl Cl2Cl6, L02-Cl Cl2Cl6, Cl2Cl2, Cl2Cl6, Cl2Cl6, Cl2Cl6, Cl2Cl2, Cl2Cl6, Cl2Cl6, Cl2Cl2, Cl2Cl6	Coil		EPH TEXAS (C6-C8, C8-C10, C10-C12,	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by	E004
Soli D Fluctide - Water Soluble Determination of Fluoride by extraction with water & analysed by ion chromatography E000 Soli D Froation Organic Cancon (FCO) Determination of TOC by combustion analyser. E027 Soli D TOC (Total Organic Cathon (FCO) Determination of TOC by combustion analyser. E027 Soli D FOC (Fraction Organic Cathon Determination of TOC by combustion analyser. E023 Soli D Lextangeable Ammonium Determination of organic cathon Determination of organic cathon by addiging with potassium dichromate followed by ICP-OES E025 Soli D Magnesium - Water Soluble Determination of metals by acua-regia digestion followed by ICP-OES E025 Soli AR Mineral Oil (IO - 040) Determination of metals by acua-regia digestion followed by ICP-OES E004 Soli AR Mineral Oil (IO - 040) Determination of metals by acua-regia digestion followed by ICP-OES E003 Soli D Nitrate - Water Soluble (2:1) Determination of hassic Centralization with water Analysed by ion chromatography E009 Soli D Organic Matter Contralization with water Analysed by ion chromatography E003 Soli <td>5011</td> <td>AK</td> <td>C12-C16, C16-C21, C21-C40)</td> <td>headspace GC-MS</td> <td>2004</td>	5011	AK	C12-C16, C16-C21, C21-C40)	headspace GC-MS	2004
Soil D Organic Matter (SOM) Determination of TOC by combustion analyser. EE027 Soil AR Exchangeable Ammonium Determination of TOC by combustion analyser. E029 Soil D FOC (Fraction Organic Carbon) Determination of a ammonium by discrete analyser. E029 Soil D Loss on Ignition @ 45000 E019 E019 Soil D Magnesium - Veter Soluble E019 E019 Soil D Magnesium - Veter Soluble E019 E019 Soil AR Mineral Oil (C10 - C40) Determination of meane/acetone extractable hydrocarbons by GC-FID fractionating with SPE E004 Soil AR Mineral Oil (C10 - C40) Determination of nate by extraction with water falowed by ICP-OES E003 Soil AR Mineral Oil (C10 - C40) Determination of nate by extraction with water falowed by ICP-OES E003 Soil AR PAH - Speciated (EPA 16) Determination of nate by extraction with water falowed by ICP-OES E003 Soil AR PAH - Speciated (EPA 16) Determination of nateral standards E004 Soil <td>Soil</td> <td>D</td> <td></td> <td></td> <td></td>	Soil	D			
Soil D TOC (Total Organic Carbon) Determination of monitoring bidscrept analyser. E027 Soil AR Exchangeable Ammonium Determination of annonium by discrept analyser. E023 Soil D FOC (Fraction Organic Carbon) Determination of annonium by discrept analyser. E023 Soil D Loss on Ignition @ 450cC Determination of water soluble magnesium by extraction with water followed by ICP-OES E025 Soil D Magnesium - Water Soluble Determination of mater soluble magnesium by extraction with water followed by ICP-OES E003 Soil AR Mineral Oil (C10 - C40) Determination of network by extraction with water & analysed by ion dromatoraphy E004 Soil D Nitrate - Water Soluble (21) Determination of network by extraction in acetone and hexane followed by UCP-OES E003 Soil AR PAH - Speciated (EPA 16) Determination of network by extraction in acetone and hexane followed by GC-MS with the E005 E003 Soil AR PAH - Speciated (EPA 16) Determination of network by oddition with water & analysed by ion chromatography E003 Soil AR Phenols - Total (mononlypic) De	Soil	D			E027
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SoilDToluene Extractable Matter (TEM)Gravimetrically determined through extraction with tolueneE011SoilDTotal Organic Carbon (TOC)Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphateE010SoilARTPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, cartridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilARVPH (C6-C8 & C8-C10) Determination of volatile organic compounds by headspace GC-MSE001SoilARVPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MSE001	Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by	E017
SoilDTotal Organic Carbon (TCC)Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphateE010SoilARTPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE arridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, arridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilAROther C10-C12, C12-C13, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, Determination of volatile organic compounds by headspace GC-MSE001SoilARVPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MSE001	Soil	D	Toluene Extractable Matter (TFM)		E011
SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, arc: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C33Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE artridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, arc: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, arc: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, arc: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, arc: C5-C7, C7-C8, C8-C10, C10-C12, cartridge for C8 to C44. C5 to C8 by headspace GC-MS arc: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, arc: C5-C7, C7-C8, C8-C10, C10-C12, cartridge for C8 to C44. C5 to C8 by headspace GC-MS arc: C5-C7, C7-C8, C8-C10, C10-C12, cartridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilAROPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FIDE001				Determination of organic matter by oxidising with potassium dichromate followed by titration with	
SoilARC10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilARVOCsDetermination of volatile organic compounds by headspace GC-MSE001SoilARVPH (C6-C8 & C8-C10)Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FIDE001			TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12,	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	
Soil AR VPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID E001			C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	cartridge for C8 to C44. C5 to C8 by headspace GC-MS	
	Soil				E001
	Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

AR As Received





st of HWOL Acronyms and Operators
TS Report No: 22-07733
ils Ltd
e Reference: 9 The Mount, Hampstead
oject / Job Ref: 20353
der No: 20353
porting Date: 21/09/2022

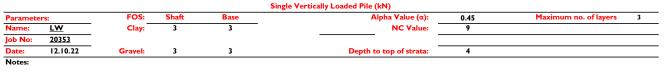
Headspace analysis				
Extractable Hydrocarbons - i.e. everything extracted by the solvent				
Clean-up - e.g. by florisil, silica gel				
GC - Single coil gas chromatography				
GC-GC - Double coil gas chromatography				
Aliphatics & Aromatics				
Aliphatics only				
Aromatics only				
EH_2D_Total but with humics mathematically subtracted				
EH_2D_Total but with fatty acids mathematically subtracted				
Operator - underscore to separate acronyms (exception for +)				
Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total				

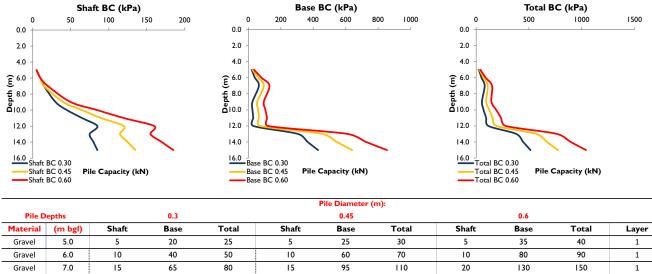
Det - Acronym

Appendix E Foundation Design

Appendix E.I Preliminary Pile Design

Preliminary Pile Working Loads





Gravel	7.0	15	65	80	15	95	110	20	130	150	1
Clay	9.0	30	25	55	40	55	95	50	95	145	2
Clay	10.0	45	25	70	65	60	125	85	105	190	2
Clay	11.0	65	30	95	90	65	155	120	115	235	2
Clay	12.0	85	30	115	120	70	190	160	120	280	2
Gravel	13.0	75	305	380	115	455	570	155	610	765	3
Gravel	14.0	80	365	445	125	545	670	170	725	895	3
Gravel	15.0	85	430	515	135	640	775	185	855	1040	3

Appendix F Chemical Laboratory Analyses



Luke Wilkinson Soils Ltd Newton House Cross Road Tadworth Surrey KT20 5SR



Derwentside Environmental Testing Services Ltd Unit 1 Rose Lane Industrial Estate Rose Lane Lenham Heath Kent ME17 2JN t: 01622 850410

DETS Report No: 22-07734

Site Reference:	9 The Mount, Hampstead
Project / Job Ref:	20353
Order No:	20353
Sample Receipt Date:	14/09/2022
Sample Scheduled Date:	14/09/2022
Report Issue Number:	1
Reporting Date:	21/09/2022

Authorised by:

Dave Ashworth Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

For Topsoil and WAC analysis the expanded uncertainty measurement should be considered while evaluating results against compliance values.





Soil Analysis Certificate	-					ī
DETS Report No: 22-07734			Date Sampled	31/08/22		
Soils Ltd			Time Sampled	None Supplied		
Site Reference: 9 The Mount, Ham	pstead		TP / BH No	WS2		
During the Automatic Automatic Automatics			Additional Refs			
Project / Job Ref: 20353 Order No: 20353		,		None Supplied		
			Depth (m)	1.20 - 1.70		
Reporting Date: 21/09/2022		D	ETS Sample No	612714		
Determinand	Unit	RL	Accreditation			
Asbestos Screen (S)	N/a	N/a		Not Detected		
pH	pH Units	N/a	MCERTS	7.5		
Organic Matter (SOM)	%	< 0.1	MCERTS	1.7		
Arsenic (As)	mg/kg	< 2	MCERTS	11		
W/S Boron	mg/kg	< 1	NONE	< 1		
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2		
Chromium (Cr)	mg/kg	< 2	MCERTS	15		
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2		
Copper (Cu)	mg/kg	< 4	MCERTS	23		
Lead (Pb)	mg/kg	< 3	MCERTS	186		
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1		
Nickel (Ni)	mg/kg	< 3	MCERTS	9		
Selenium (Se)	mg/kg	< 2	MCERTS	< 3		
Vanadium (V)	mg/kg	< 1	MCERTS	29		
Zinc (Zn)	mg/kg	< 3	MCERTS	48		
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2		

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion Subcontracted analysis (S)





Soil Analysis Certificate	- Speciated PAHs					
DETS Report No: 22-0773	34		Date Sampled	31/08/22		
Soils Ltd			Time Sampled	None Supplied		
Site Reference: 9 The Mo	unt, Hampstead		TP / BH No	WS2		
D : (] . D (
Project / Job Ref: 20353 Order No: 20353			Additional Refs	None Supplied		
	000	D	Depth (m) ETS Sample No	1.20 - 1.70 612714		
Reporting Date: 21/09/2	022	U	ETS Sample No	612/14		
Determinand	Unit	RL	Accreditation			
Naphthalene		< 0.1	MCERTS	< 0.1		
Acenaphthylene	5,5	< 0.1	MCERTS	< 0.1		
Acenaphthylene	5,5	< 0.1	MCERTS	< 0.1		
Fluorene	5, 5		MCERTS	< 0.1		
Phenanthrene		< 0.1	MCERTS	< 0.1		
Anthracene	5, 5	< 0.1	MCERTS	< 0.1		
Fluoranthene		< 0.1	MCERTS	< 0.1		
Pyrene	5, 5		MCERTS	< 0.1		
Benzo(a)anthracene	.	< 0.1	MCERTS	< 0.1		
Chrysene	5,5	< 0.1	MCERTS	< 0.1		
Benzo(b)fluoranthene		< 0.1	MCERTS	< 0.1		
Benzo(k)fluoranthene		< 0.1	MCERTS	< 0.1		
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1		
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1		
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1		
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1		
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6		





Soil Analysis Certificate -	EPH Texas Bande	ed				
DETS Report No: 22-07734			Date Sampled	31/08/22		
Soils Ltd			Time Sampled	None Supplied		
Site Reference: 9 The Mou	nt, Hampstead		TP / BH No	WS2		
Project / Job Ref: 20353			Additional Refs	None Supplied		
Order No: 20353			Depth (m)	1.20 - 1.70		
Reporting Date: 21/09/20	22	D	ETS Sample No	612714		
Determinand	Unit	RL	Accreditation			
EPH Texas (C6 - C8) :	ma/ka	< 0.05	NONE			
HS_1D_MS _Total	iiig/kg	< 0.05	NONE	< 0.05	 	
EPH Texas (>C8 - C10) :	mg/kg	< 1	MCERTS			
EH_1D_Total	mg/kg	、 I	HICERTS	< 1		
EPH Texas (>C10 - C12) :	mg/kg	< 1	MCERTS	< 1		
EH_1D_Total						
EPH Texas (>C12 - C16) :	mg/kg	< 1	MCERTS	< 1		
EH_1D_Total					 	
EPH Texas (>C16 - C21) :	mg/kg	< 1	MCERTS	< 1		
EH_1D_Total					 	
EPH Texas (>C21 - C40) :	mg/kg	< 6	MCERTS	7		
EH_1D_Total				,		
EPH Texas (C6 - C40) :	mg/kg	< 6	NONE	7		
HS_1D_MS+EH_1D_Total	mg/kg	10	NONE	'		



DETS Ltd Lenham Heath Maidstone Kent ME17 2JN Tel: 01622 850410



DETS Report No: 22-07734		Date Sampled	31/08/22		Landfill Was	te Acceptance	Criteria Limit
Soils Ltd		Time Sampled	None Supplied				
Site Reference: 9 The Mount,	Hampstead	TP / BH No	WS2			Stable Non-	
Project / Job Ref: 20353		Additional Refs	None Supplied		Inert Waste	reactive HAZARDOUS	Hazardous Waste
Order No: 20353		Depth (m)	1.20 - 1.70		Landfill	waste in non- hazardous	Landfill
Reporting Date: 21/09/2022		DETS Sample No	612714			Landfill	
Determinand	Unit						
FOC ^{MU}	%	< 0.1	1		3%	5%	6%
loss on Ignition	%	< 0.01	5.10				10%
BTEX ^{MU}	mg/kg	< 0.05	< 0.05		6		
Sum of PCBs	mg/kg	< 0.1	< 0.1		1		
	mg/kg	< 10	< 10		500		
	mg/kg	< 1.7	< 1.7		100		
DH ^{MU}	pH Units	N/a	7.5			>6	
		-				To be	
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1	0		evaluated	To be evalua
lusto Analysia			10:1	Cumulative		for compliance	
Eluate Analysis				10:1	USING BS I	EN 12457-3 at	L/S 10 I/Kg
			mg/l	mg/kg	0.5	(mg/kg)	25
Arsenic ^u	_		< 0.01	< 0.1	0.5	2	25
Barium ^U	_		< 0.02	< 0.2	20	100	300
Cadmium ^U	_		< 0.0005	< 0.005	0.04	1	5
Chromium ^U	_		< 0.005	< 0.05	0.5	10	70
Copper ^u	_		< 0.01	< 0.1	2	50	100
1ercury ^U	_		< 0.0005	< 0.005	0.01	0.2	2
Molybdenum ^U	_		0.003	0.03	0.5	10	30
Nickel ^u	_		< 0.007	< 0.07	0.4	10	40
.ead ^u	_		< 0.005	< 0.05	0.5	10	50
Antimony ^U	_		< 0.005	< 0.05	0.06	0.7	5
Selenium ^u			< 0.005	< 0.05	0.1	0.5	7
Zinc ^U	_		0.007	0.07	4	50	200
Chloride ^u	_		< 1.0	< 10	800	15000	25000
Fluoride ^U	_		< 0.5	< 5	10	150	500
Sulphate ^U	_		< 1.0	< 10	1000	20000	50000
TDS			41	410	4000	60000	100000
Phenol Index	_		< 0.01	< 0.1	1	-	-
000			15.4	154	500	800	1000
each Test Information							
					1		
					-		
Sample Mass (kg)			0.10		-		
Sample Mass (kg)			0.10		-		
Dry Matter (%)			89.3		-		
Noisture (%)			12		-		
Stage 1			0.00		-		
/olume Eluate L10 (litres)			0.89		-		
					-		
				1			

Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepencies with current legislation

M Denotes MCERTS accredited test U Denotes ISO17025 accredited test





Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 22-07734	
Soils Ltd	
Site Reference: 9 The Mount, Hampstead	
Project / Job Ref: 20353	
Order No: 20353	
Reporting Date: 21/09/2022	

ĺ	DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
[\$ 612714	WS2	None Supplied	1.20 - 1.70	10.8	Brown sandy clay

Moisture content is part of procedure E003 & is not an accredited test Insufficient Sample $^{\rm VS}$ Unsuitable Sample $^{\rm VS}$

\$ samples exceeded recommended holding times





Soil Analysis Certificate - Methodology & Miscellaneous Information	
DETS Report No: 22-07734	
Soils Ltd	
Site Reference: 9 The Mount, Hampstead	
Project / Job Ref: 20353	
Order No: 20353	
Reporting Date: 21/09/2022	

Sol 0 Boron - More Soluble Determination of Patter soluble toron in soil by 21 hot water endrat followed by UP-OES E021 Sol 0 Cattors Determination of Patter by technologics (SMS) E000 Sol D Cattors Determination of Patter by technologics (SMS) E000 Sol D Chiorde - Water Soluble (C1) Determination of Patter by technologics (SMS) E000 Sol AR Chromium - Teoryale Complex Determination of Patter by technologics (SMS) E000 Sol AR Cyanite - Complex Determination of Complex Complex Applex by didition followed by colonnetry. E001 Sol AR Cyanite - Complex Determination of Control organic by didition followed by colonnetry. E001 Sol AR Cyanite Table Determination of Control organic by didition followed by colonnetry. E001 Sol AR ExtraCla Conductivity Determination of Control organic by didition followed by colonnetry. E001 Sol AR ExtraCla Conductivity Determination of Control organic by didition of subtrob by didition of subtr	Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soli R. 0 TEX betarmation of dFIX by headpape CCMS 0 tool 0	Soil		Boron - Water Soluble	Determination of water soluble boron in soil by 2·1 bot water extract followed by ICP-OES	
Soil D Celtors Determination of cations in soil by anal-relia disection followed by in chronitatography (E092) E002 Soil AR Chronium - Incovationt, Determination of heavies of chronium in soil by extendion in water test by in chronitatography (E092) E003 Soil AR Chronium - Incovationt, Determination of heavies of chronium in soil by extendion in water test by colormetry. E013 Soil AR Cycande - Catal Determination of the canadia by doubliation followed by colormetry. E013 Soil AR Cycande - Test Determination of the canadia by doubliation followed by colormetry. E013 Soil AR Desel Parce Questic (E1) - C61 Environment in the canadia by doubliation followed by colormetry. E013 Soil AR Electrical Conductry by detrimation of electrical sughup to yakewite disclosm by GC-P10 E004 Soil AR Electrical Conductry by detrimation of electrical sughup to yakewite disclosm by GC-P10 E003 Soil AR Electrical Conductry by detrimation of electrical sughup to yakewite disclosm by GC-P10 E004 Soil AR Electrical Conductry by detrimation of electrical sughup to yakewite disclosm by GC-P10 for CB to C4.0 C to C8 by C4.0 C to C2.0 C to C10 by comolyabin an envirabiby hyakes by on chomatography. <td></td> <td></td> <td></td> <td></td> <td></td>					
Soil D Chicode - Water Souble (2): Determination of chicote by estraction with water & analysed by ion chromatography EDD Soil A& Chronium - Hoavalen & Determination of Hoavalen & Continum in Soil by extraction in water then by acidification, addition of the source by acidification addition addit					
Soli RA Christianis Life display index constraints Life display index constraints Life index constraints <thlife constraints<="" index="" th=""> Life index constr</thlife>				Determination of chloride by extraction with water & analysed by ion chromatography	
Gold AR Openate-Compte Determination of compter counside by delilation followed by colorimity EDIS Sall AR Openate-Total Determination of total cyandle by delilation followed by colorimity EDIS Sall AR Openate-Total Determination of total cyandle by delilation followed by colorimity EDIS Sall AR Openate-Total Determination of total cyandle by delilation followed by colorimity EDIS Sall AR Determination of total cyandle by delivers of total cyandle by delivers of total cyandle c	Soil	AR	Chromium - Hexavalent		E016
Gall AR Cyclobases ECRB Grandmittaking determination of total granules by calorimetry. EDIS Soll AR Deself Range Organics (C10 - C20) Determination of hexan extractions by CoChPan ED01 Soll AR Electrical Conductivity Determination of electrical conductivity by didition of saturated calcium subplate followed by electrometric measurement. ED03 Soll AR Electrical Conductivity Determination of electrical conductivity by didition of water followed by electrometric measurement. ED03 Soll D Electrical Conductivity Determination of electrical conductivity by didition of water followed by electrometric measurement. ED03 Soll AR Electrical Conductivity Determination of electrical conductivity by didition of water followed by electrometric measurement. ED03 Soll AR EPH Teods (C-20, C3-C1), C1-2(0) Determination of actorn/Presence extractable hydrocathors by CC-F1D ED04 Soll D C12-C16, C16-C1, C1, C1-C10, Determination of TCD to promutation analyser. ED02 Soll D Fraction Organic Carbon (C20) Determination of TCD to promutation analyser. ED02 Soll D Fraction Organic Carbon (C20)				Determination of complex cyanide by distillation followed by colorimetry	
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			VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001



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Vater Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 22-07734
ioils Ltd
ite Reference: 9 The Mount, Hampstead
Project / Job Ref: 20353
Order No: 20353
Reporting Date: 21/09/2022

Water UF Alkalinia Point Determination of alkalinity by titration against hydrochloric aid using bromocresol green as the end water E103 Water F Ammoniacal Nitrogen Determination of armoniacal nitrogen by discrete analyser. E106 Water F Chemical Oxygen Demarktion of BTCK by the miniation of actions by filtration followed by icoehinetry. E101 Water F Chemical Oxygen Demarktion of BTCK by the miniation of actions by filtration followed by icoehinetry. E101 Water F Chemical Oxygen Demark (CDD) Determination of carcing oxyanide by colorinetry. E101 Water F Chemical Oxygen Demark (CDD) Determination of carcing oxyanide by distiliation followed by colorinetry. E113 Water F Chycholeane Extractable for CDD (CDD) Determination of fugic dipude sy distiliation followed by colorinetry. E113 Water F Dessel Action (CDC) CDD (CDD) Determination of angle carcination of the carbination analysed by ico chomentery and the carbination and the	Matrix	Analysed On	Determinand	Brief Method Description	Method No	
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			C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	¹ , Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for 2, C8 to C44. C5 to C8 by headspace GC-MS		
Water UF VPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID E101						
	Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101	

Key

F Filtered UF Unfiltered



DETS Ltd Unit 1, Rose Lane Industrial Estate Rose Lane Lenham Heath Maidstone Kent ME17 2JN Tel : 01622 850410



ist of HWOL Acronyms and Operators
ETS Report No: 22-07734
oils Ltd
ite Reference: 9 The Mount, Hampstead
roject / Job Ref: 20353
rder No: 20353
eporting Date: 21/09/2022

Acronym	Description		
HS	Headspace analysis		
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent		
CU	Clean-up - e.g. by florisil, silica gel		
1D	GC - Single coil gas chromatography		
2D	GC-GC - Double coil gas chromatography		
Total	Aliphatics & Aromatics		
AL	Aliphatics only		
AR	Aromatics only		
#1	EH_2D_Total but with humics mathematically subtracted		
#2	EH_2D_Total but with fatty acids mathematically subtracted		
_	Operator - underscore to separate acronyms (exception for +)		
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total		

 Det - Acronym

 EPH Texas (C10 - C12) - EH_1D_Total

 EPH Texas (C12 - C16) - EH_1D_Total

 EPH Texas (C16 - C21) - EH_1D_Total

 EPH Texas (C21 - C40) - EH_1D_Total

 EPH Texas (C6 - C40) - HS_1D_MS+EH_1D_Total

 EPH Texas (C6 - C8) - HS_1D_MS_Total

 EPH Texas (C8 - C10) - EH_1D_Total

 EPH Texas (C6 - C40) - HS_1D_MS_Total

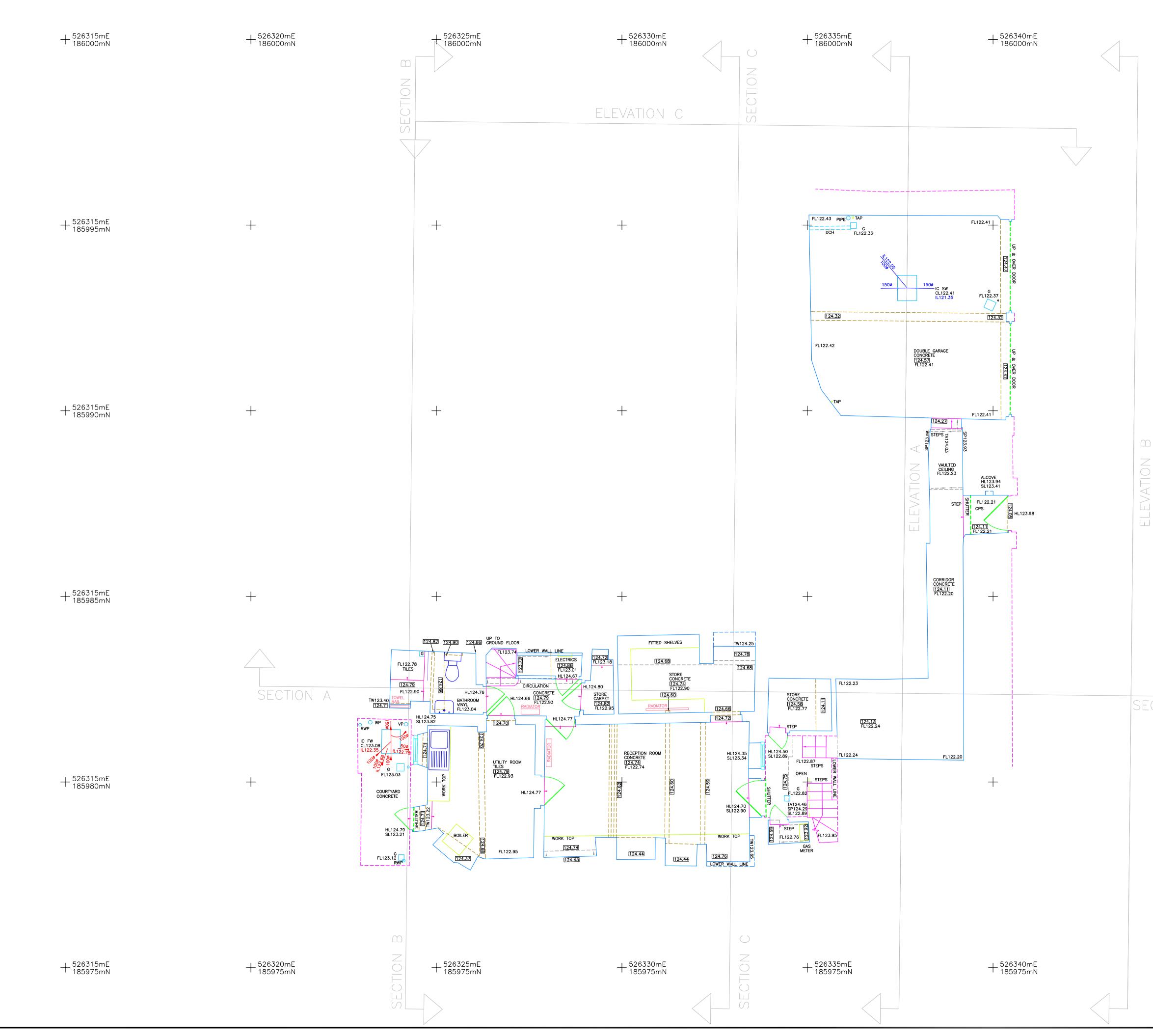
 EPH Texas (C8 - C10) - EH_1D_Total

 EPH Texas (C8 - C10) - H_1D_Total

 Total BTEX (BS EN 12457-2) - HS_1D_MS_Total

Parameter	Matrix Type	Suite Reference	Expanded Uncertainity Measurement	Unit
тос	Soil	BS EN 12457	20.0	%
Loss on Ignition	Soil	BS EN 12457	35.0	%
BTEX	Soil	BS EN 12457	14.0	%
Sum of PCBs	Soil	BS EN 12457	23.0	%
Mineral Oil	Soil	BS EN 12457	9.0	%
Total PAH	Soil	BS EN 12457	11.6	%
рН	Soil	BS EN 12457	0.28	Units
Acid Neutralisation Capacity	Soil	BS EN 12457	18.0	%
Arsenic	Leachate	BS EN 12457	18.7	%
Barium	Leachate	BS EN 12457	11.6	%
Cadmium	Leachate	BS EN 12457	20.3	%
Chromium	Leachate	BS EN 12457	18.3	%
Copper	Leachate	BS EN 12457	24.3	%
Mercury	Leachate	BS EN 12457	23.7	%
Molybdenum	Leachate	BS EN 12457	14.7	%
Nickel	Leachate	BS EN 12457	16.1	%
Lead	Leachate	BS EN 12457	15.7	%
Antimony	Leachate	BS EN 12457	17.9	%
Selenium	Leachate	BS EN 12457	22.0	%
Zinc	Leachate	BS EN 12457	17.4	%
Chloride	Leachate	BS EN 12457	15.3	%
Fluoride	Leachate	BS EN 12457	16.4	%
Sulphate	Leachate	BS EN 12457	20.6	%
TDS	Leachate	BS EN 12457	12.0	%
Phenol Index	Leachate	BS EN 12457	14.0	%
DOC	Leachate	BS EN 12457	10.0	%
Clay Content	Soil	BS 3882: 2015	15.0	%
Silt Content	Soil	BS 3882: 2015	14.0	%
Sand Content	Soil	BS 3882: 2015	13.0	%
Loss on Ignition	Soil	BS 3882: 2015	35.0	%
рН	Soil	BS 3882: 2015	0.14	Units
Carbonate	Soil	BS 3882: 2015	16.0	%
Total Nitrogen	Soil	BS 3882: 2015	12.0	%
Phosphorus (Extractable)	Soil	BS 3882: 2015	24.0	%
Potassium (Extractable)	Soil	BS 3882: 2015	20.0	%
Magnesium (Extractable)	Soil	BS 3882: 2015	26.0	%
Zinc	Soil	BS 3882: 2015	14.9	%
Copper	Soil	BS 3882: 2015	16.0	%
Nickel	Soil	BS 3882: 2015	17.7	%
Available Sodium	Soil	BS 3882: 2015	23.0	%
Available Calcium	Soil	BS 3882: 2015	23.0	%
Electrical Conductivity	Soil	BS 3882: 2015	10.0	%

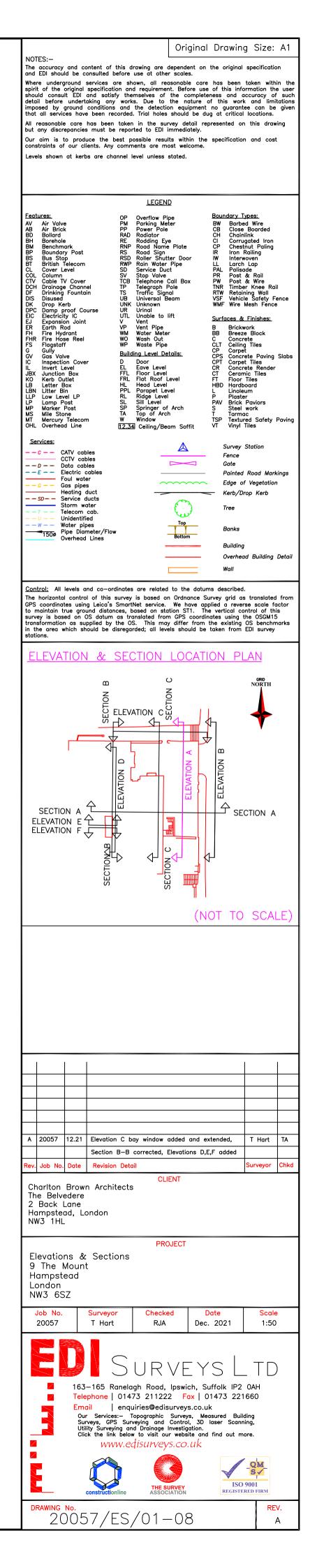
Appendix G Information Provided by the Client



Original Drawing Size: A1 NOTES:-GRID The accuracy and content of this drawing are dependent on the original specification and EDI should be consulted before use at other scales. NORTH and EDI should be consulted before use at other scales. Where underground services are shown, all reasonable care has been taken within the spirit of the original specification and requirement. Before use of this information the user should consult EDI and satisfy themselves of the completeness and accuracy of such detail before undertaking any works. Due to the nature of this work and limitations imposed by ground conditions and the detection equipment no guarantee can be given that all services have been recorded. Trial holes should be dug at critical locations. + 526345mE 186000mN NI reasonable care has been taken in the survey detail represented on this drawing out any discrepancies must be reported to EDI immediately. Our aim is to produce the best possible results within the specification and cost constraints of our clients. Any comments are most welcome. evels shown at kerbs are channel level unless stated. **LEGEND** OP Overflow Pipe PM Parking Meter PP Power Pole RAD Radiator RE Rodding Eye RNP Road Name Plate RSD Roller Shutter Door RWP Rain Water Pipe SD Service Duct SV Stop Valve TCB Telephone Call Box TP Telegraph Pole TS Traffic Signal UB Universal Beam UNK Unknown UR Urinal UNK Unknown UR Urinal UTL Unable to lift V Vent VP Vent Pipe WM Water Meter WO Wash Out WP Waste Pipe Building Level Details: Boundary Types: BW Barbed Wire CB Close Boarded CH Chainlink CI Corrugated Iron CP Chestnut Paling IR Iron Railing IW Interwoven LL Larch Lap PAL Palisade PR Post & Rail PW Post & Rail PW Post & Wire TNR Timber Knee Rail RTW Retaining Wall VSF Vehicle Safety Fence WMF Wire Mesh Fence Air Valve Air Brick Bollard Borehole Benchmark Boundary Post Bus Stop British Telecom Cover Level L Column V Cable TV Cover H Drainage Channel Drinking Fountain S Disused C Drop Kerb C Damp proof Course C Electricity IC J Expansion Joint R Earth Rod H Fire Hydrant HR Fire Hydrant Linvert Level JBX Junction Box KO Kerb Outlet LB Letter Bin LUP Low Level LP LP Lamp Post M Mercury Telecom OHL Overhead Line <u>Surfaces & Finishes:</u> Surraces & Finishes; B Brickwork BB Breeze Block C Concrete CLT Ceiling Tiles CPS Concrete Paving Slab: CPT Carpet Tiles CPS Concrete Render CT Ceramic Tiles FT Floor Tiles HBD Hardboard L Linoleum P Plaster PAV Brick Paviors S Steel work T armac TSP Textured Safety Paving VT Vinyl Tiles Building Level Details: D Door EL Eave Level FFL Floar Level FRL Flot Roof Level HL Head Level PPL Parapet Level RL Ridge Level SL Sill Level SP Springer of Arch TA Top of Arch W Window 12.34 Ceiling/Beam Soffit + 526345mE 185995mN Services: Survey Station Fence Gate Painted Road Markings _____ \sim Edge of Vegetation Tree Тор Banks Bottom Building Overhead Building Detail _____ Wall <u>Control:</u> All levels and co-ordinates are related to the datums described. The horizontal control of this survey is based on Ordnance Survey grid as translated from GPS coordinates using Leica's SmartNet service. We have applied a reverse scale factor to maintain true ground distances, based on station ST1. The vertical control of this survey is based on OS datum as translated from GPS coordinates using the OSGM15 transformation as supplied by the OS. This may differ from the existing OS benchmarks in the area which should be disregarded; all levels should be taken from EDI survey stations + 526345mE 185990mN + 526345mE 185985mN SECTION A A 20057 12.21 Step up to bathroom added. T Hart TA ev. Job No. Date Revision Detail urveyor Chk + 526345mE 185980mN CLIENT Charlton Brown Architects The Belvedere 2 Back Lane Hampstead, London NW3 1HL PROJECT Basement Plan 9 The Mount Hampstead London NW3 6SZ <mark>Date</mark> Nov. 2021 Checked RJA <mark>Scale</mark> 1:50 Job No. rveyor 20057 T Hart JRVEYS ΤD 163—165 Ranelagh Road, Ipswich, Suffolk IP2 OAH <mark>Telephone</mark> | 01473 211222 <mark>Fax</mark> | 01473 221660 \sim / Email | enquiries@edisurveys.co.uk Our Services:- Topographic Surveys, Measured Building Surveys, GPS Surveying and Control, 3D laser Scanning, Utility Surveying and Drainage Investigation. Click the link below to visit our website and find out more. + 526345mE 185975mN www.edisurveys.co.uk QM S√ construction ISO 9001 REGISTERED FIRM THE SURVEY ASSOCIATION RAWING No. 20057/B/01-01 REV. А

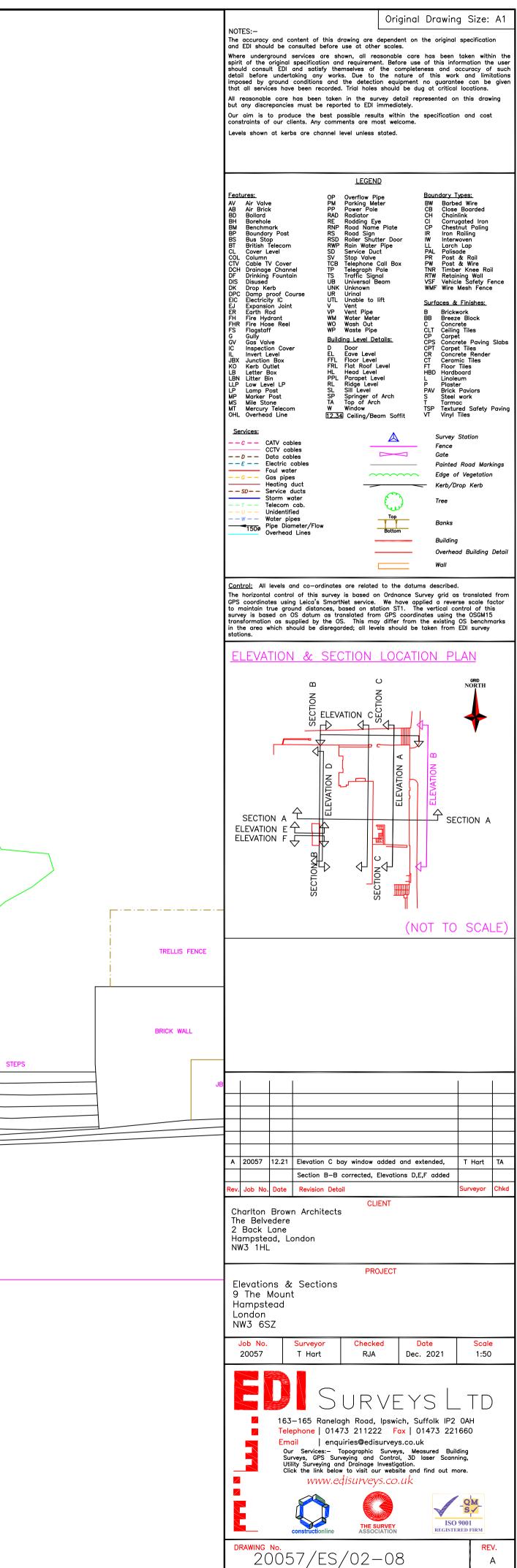


DATUM 120.00m



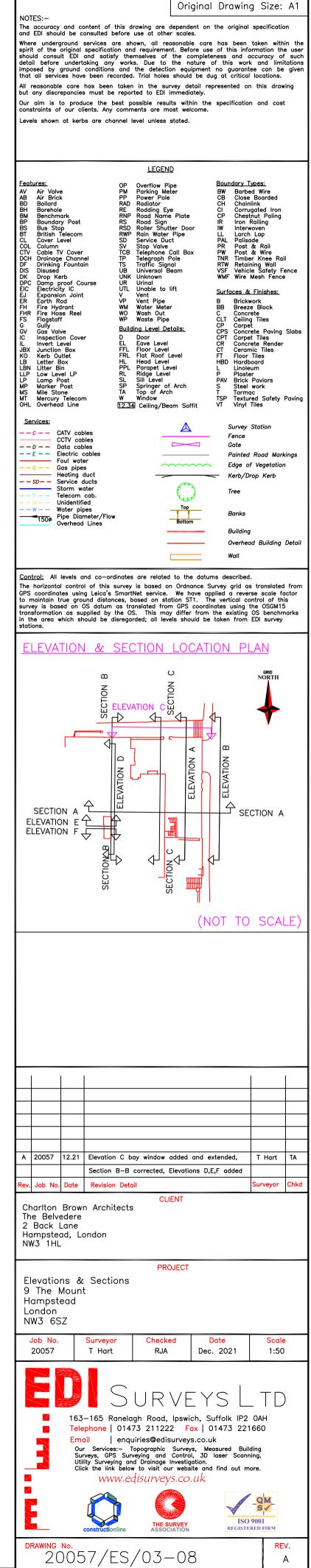


ELEVATION B



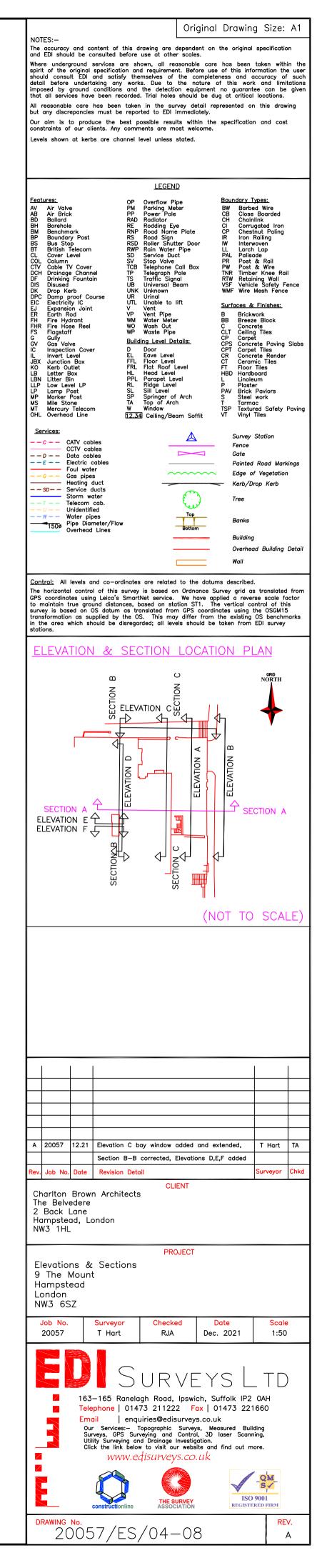


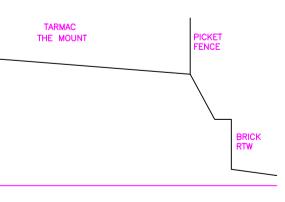
ELEVATION C

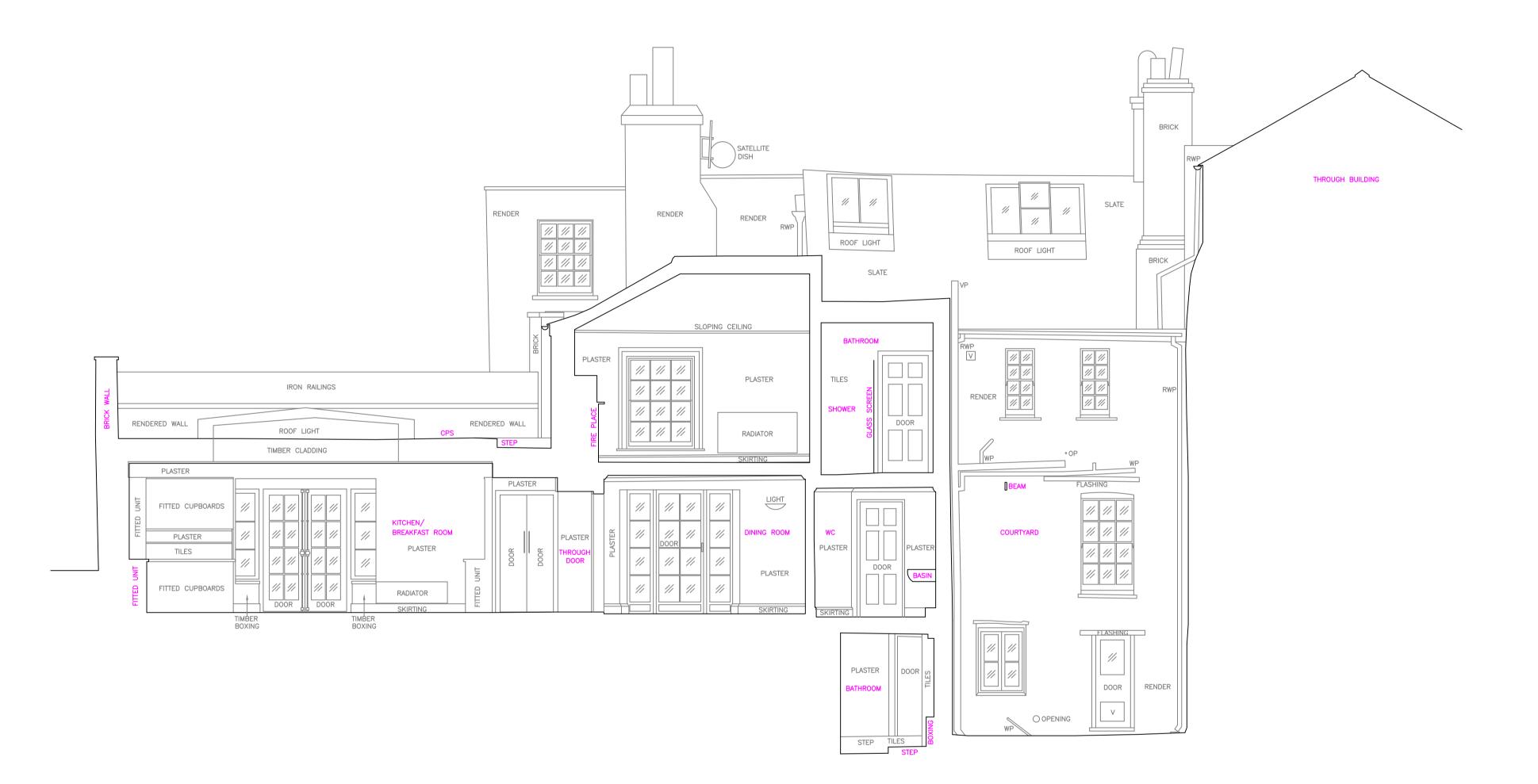




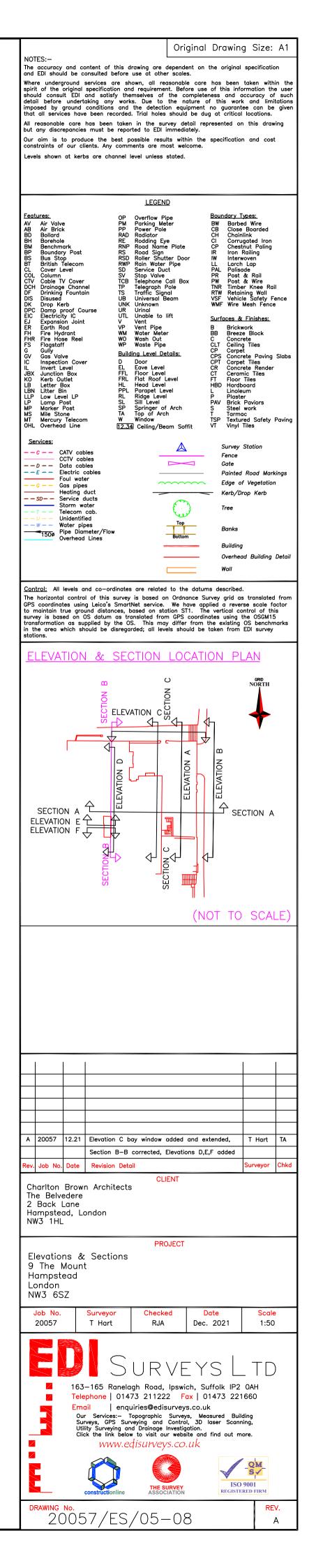
DATUM 120.00m

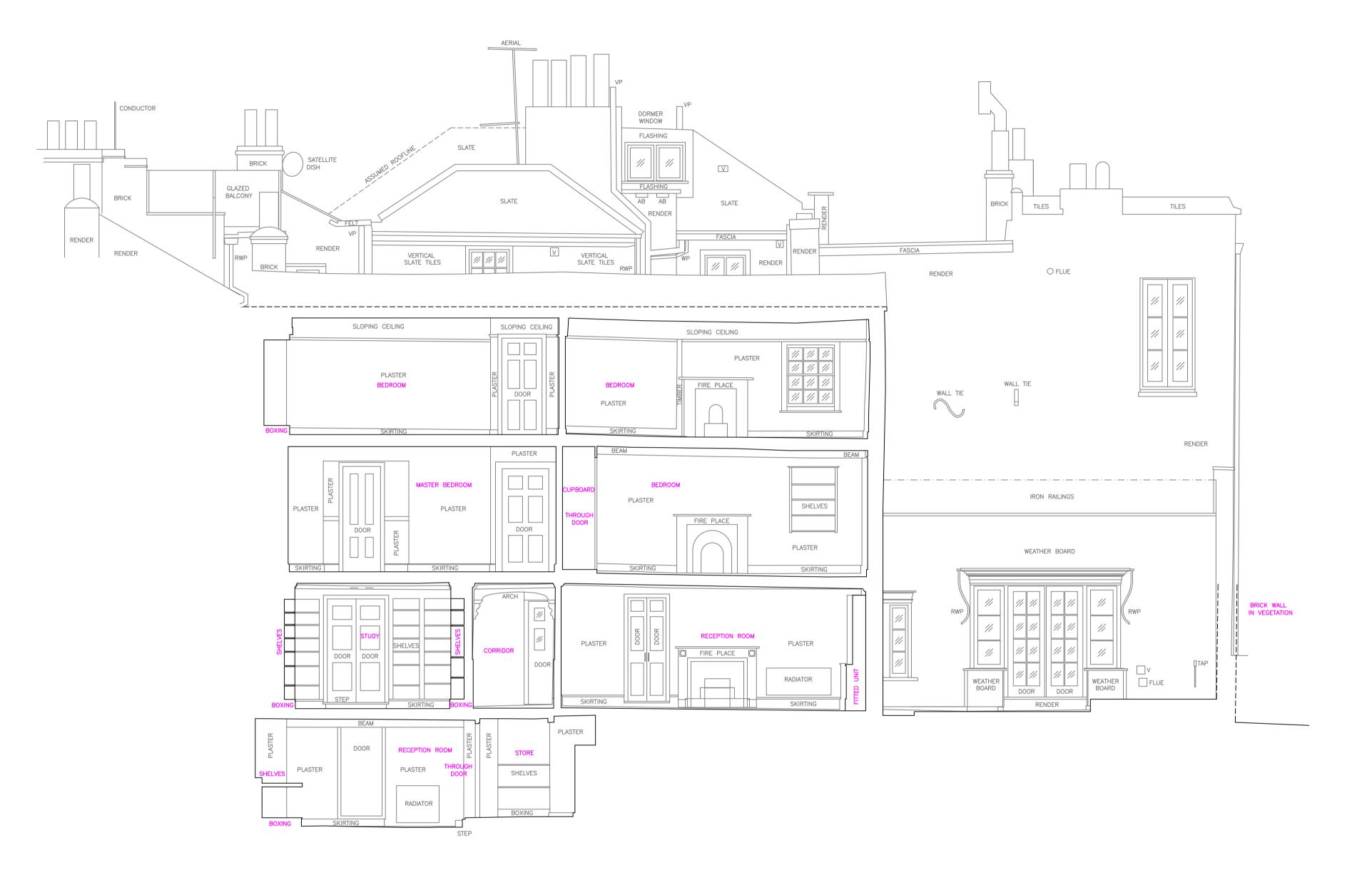




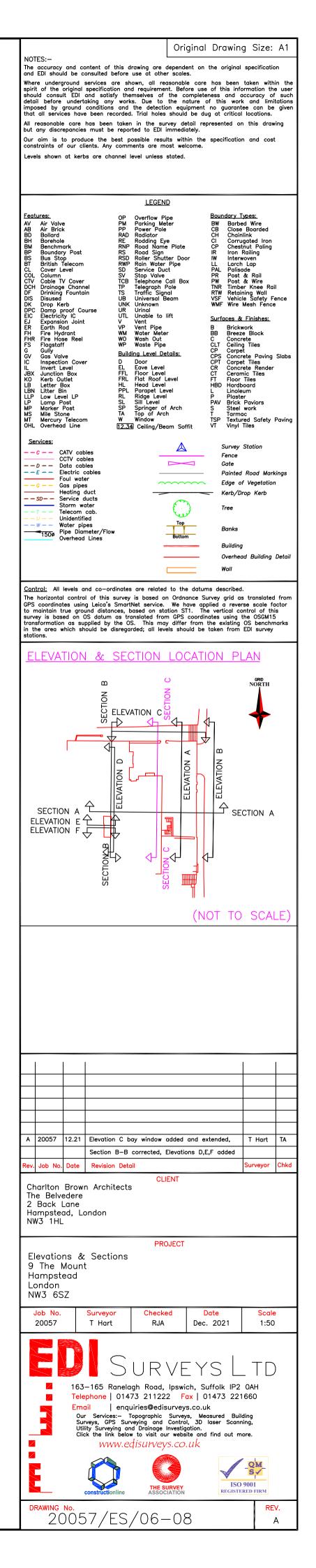


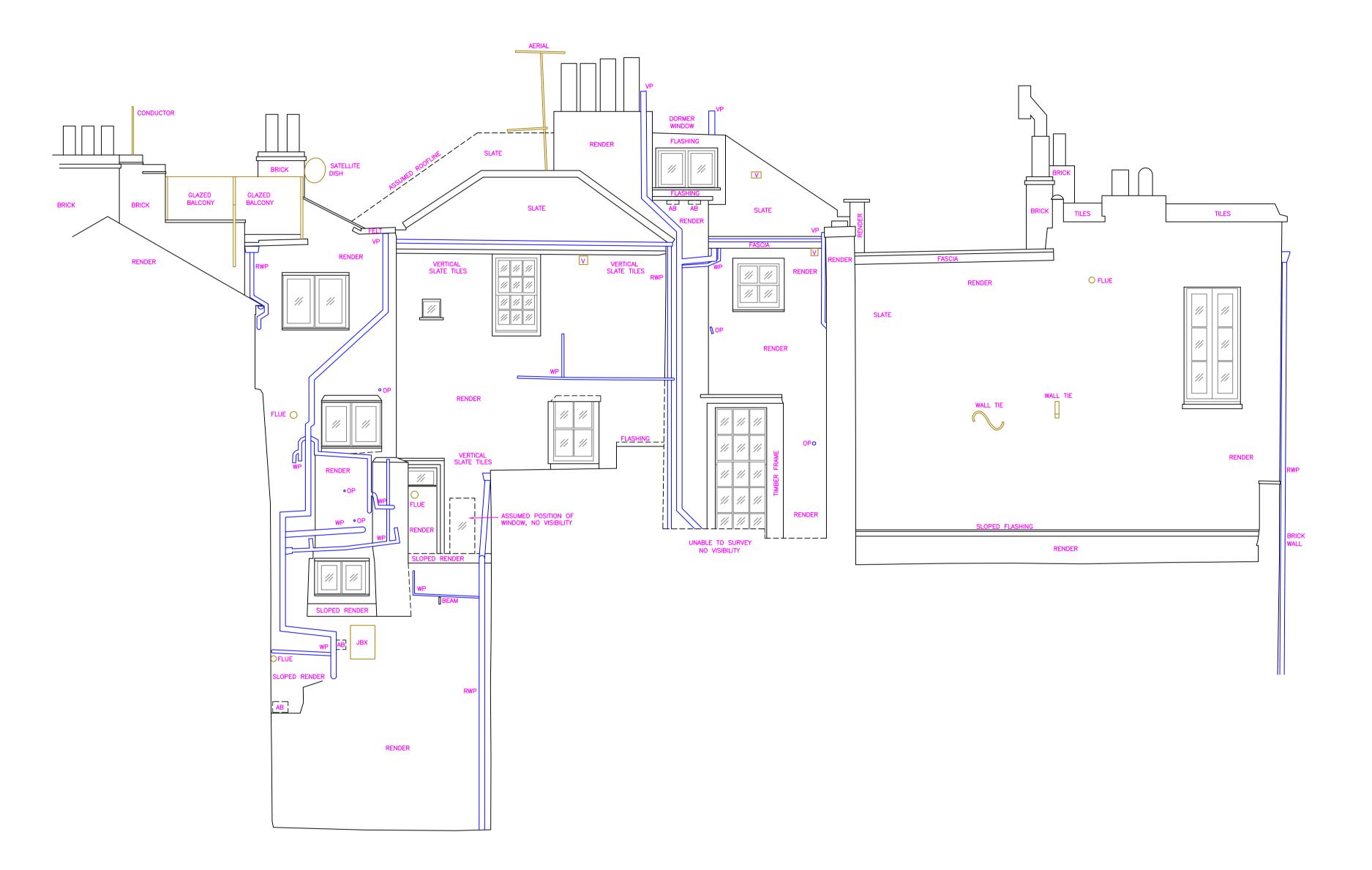




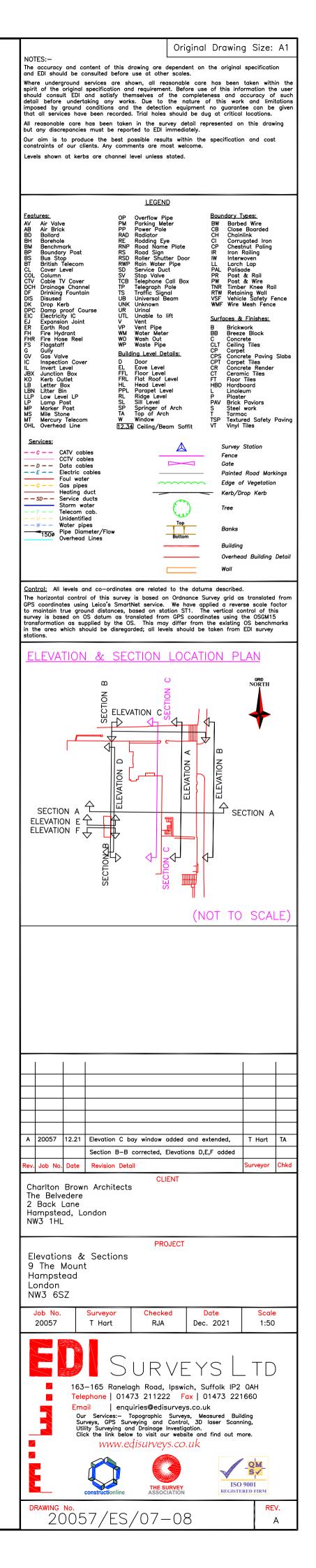


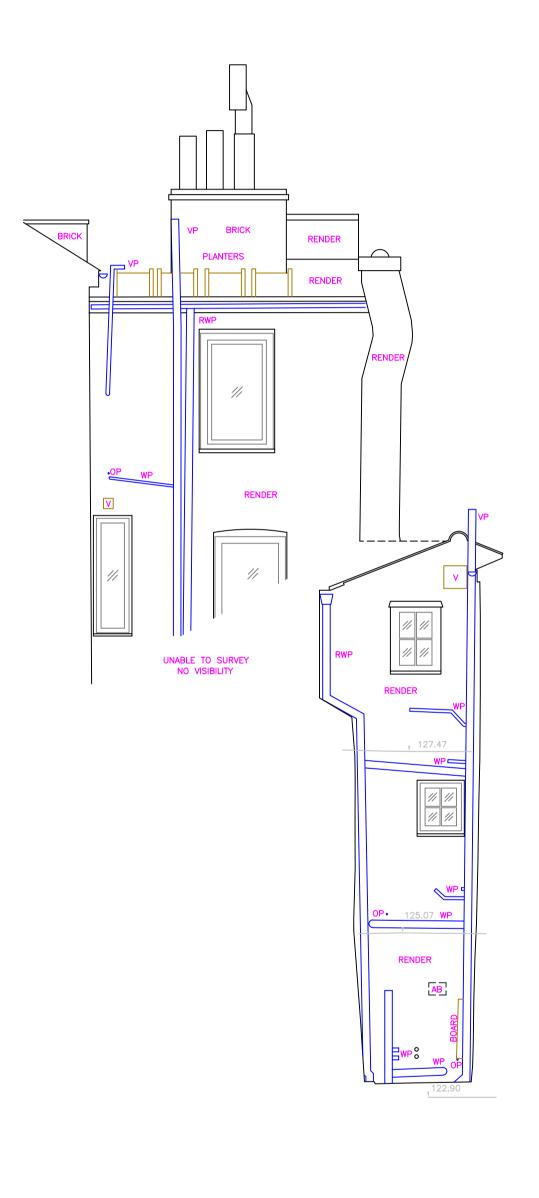




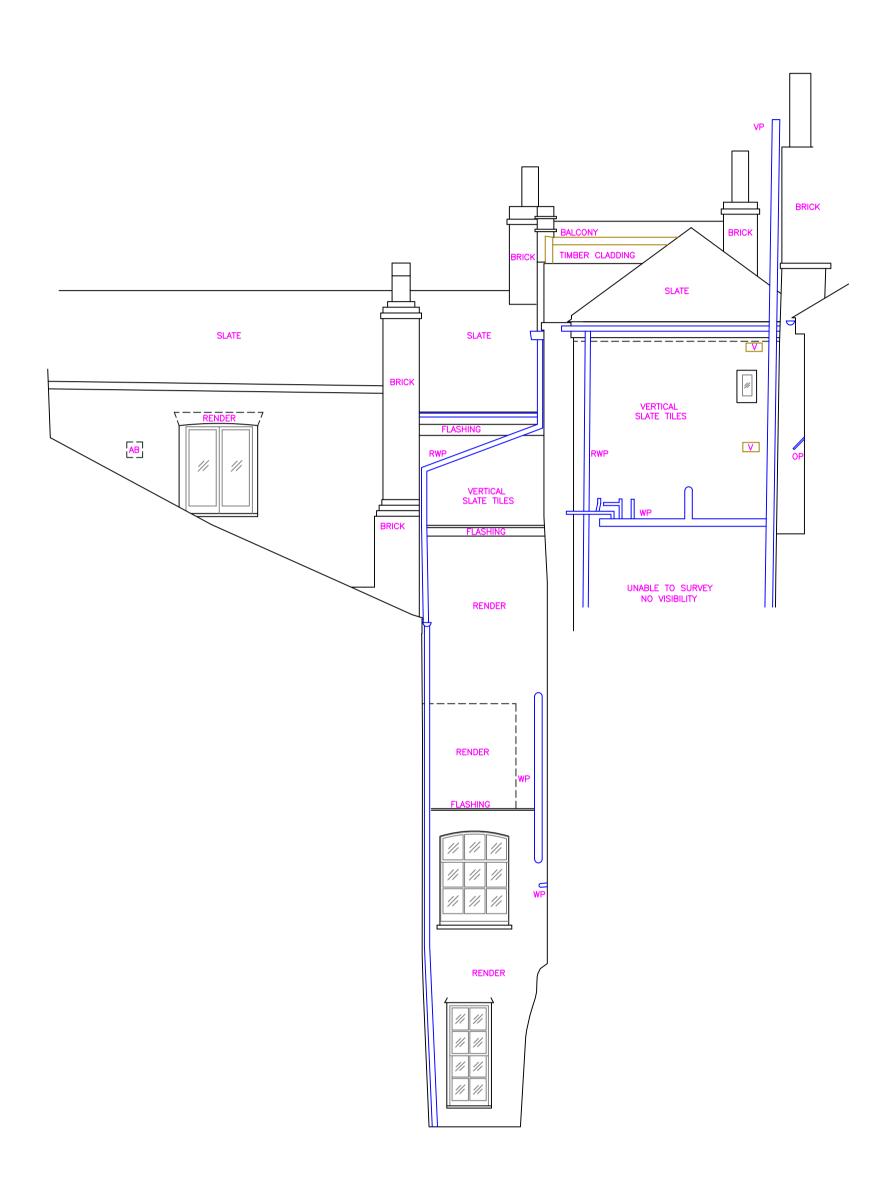


ELEVATION D



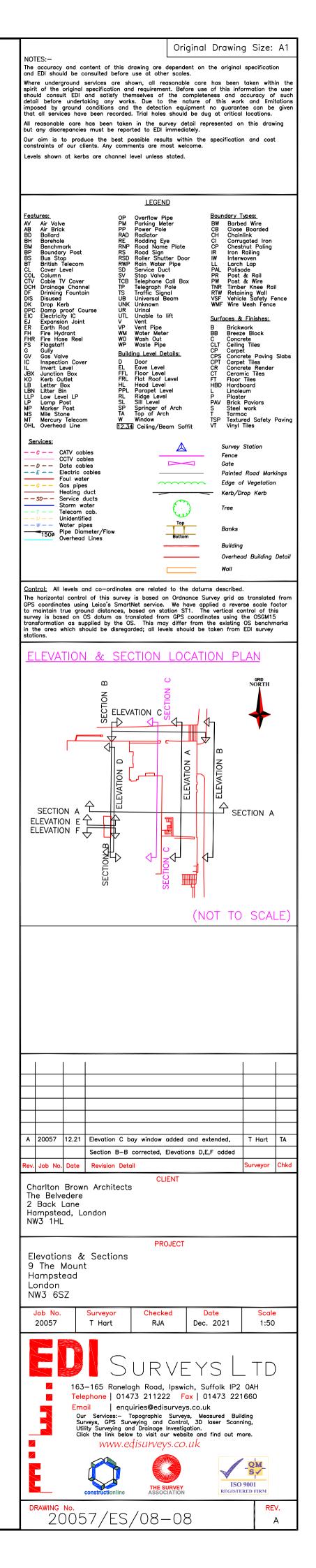


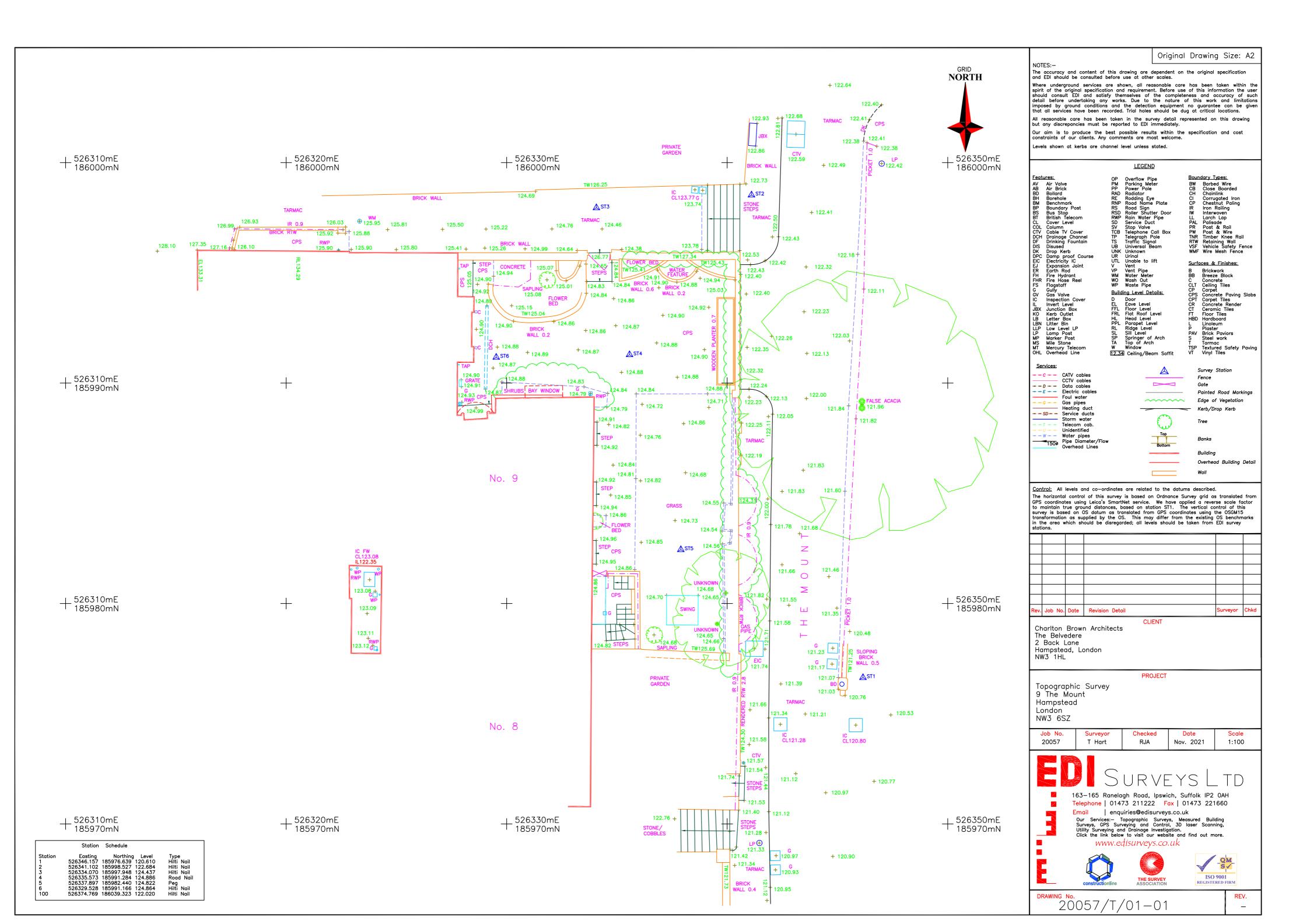
ELEVATION E

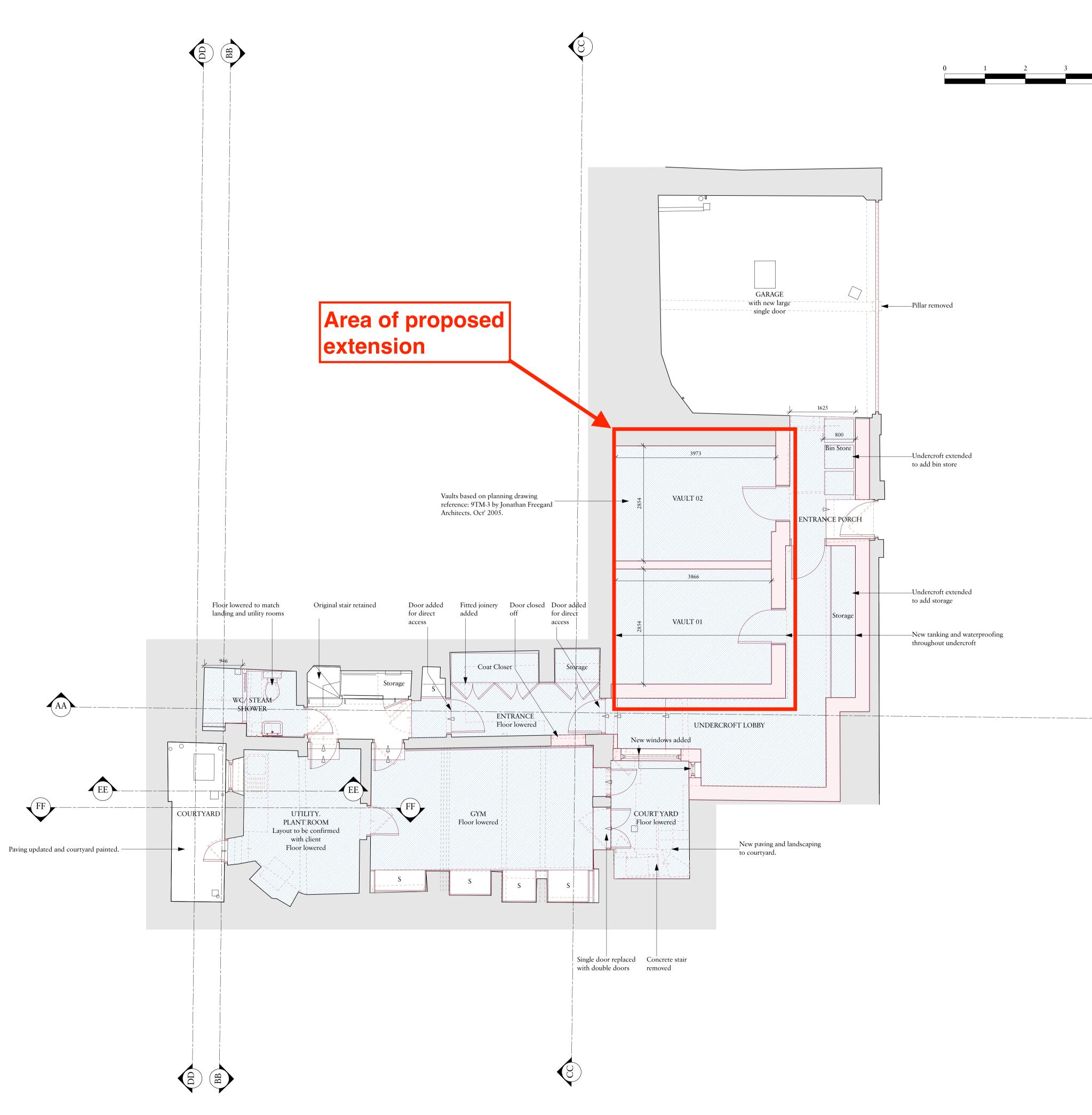


DATUM 120.00m

ELEVATION F



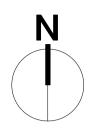




All dimensions in millimetres. Where dimensions are not given, drawings must not be scaled and the matter referred back to Charlton Brown Architects.

All dimensions and conditions are to be checked on site by the contractor prior to preparing drawings or commencing any work. The contractor is responsible for checking that there is no conflict between site dimensions and drawn dimensions.

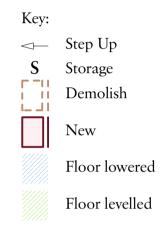
In the event of any detail or dimensional conflict between Charlton Brown Architects drawings, the matter must be referred back to Charlton Brown Architects for clarification



Notes

-Existing doors replaced throughout the property except where new doors are added.-Existing windows replaced throughout the property except where new windows are added.

-All fitted units to be confirmed by clients and Heritage Architects.



Rev Date

Details

By

Charlton Brown Architecture & Interiors

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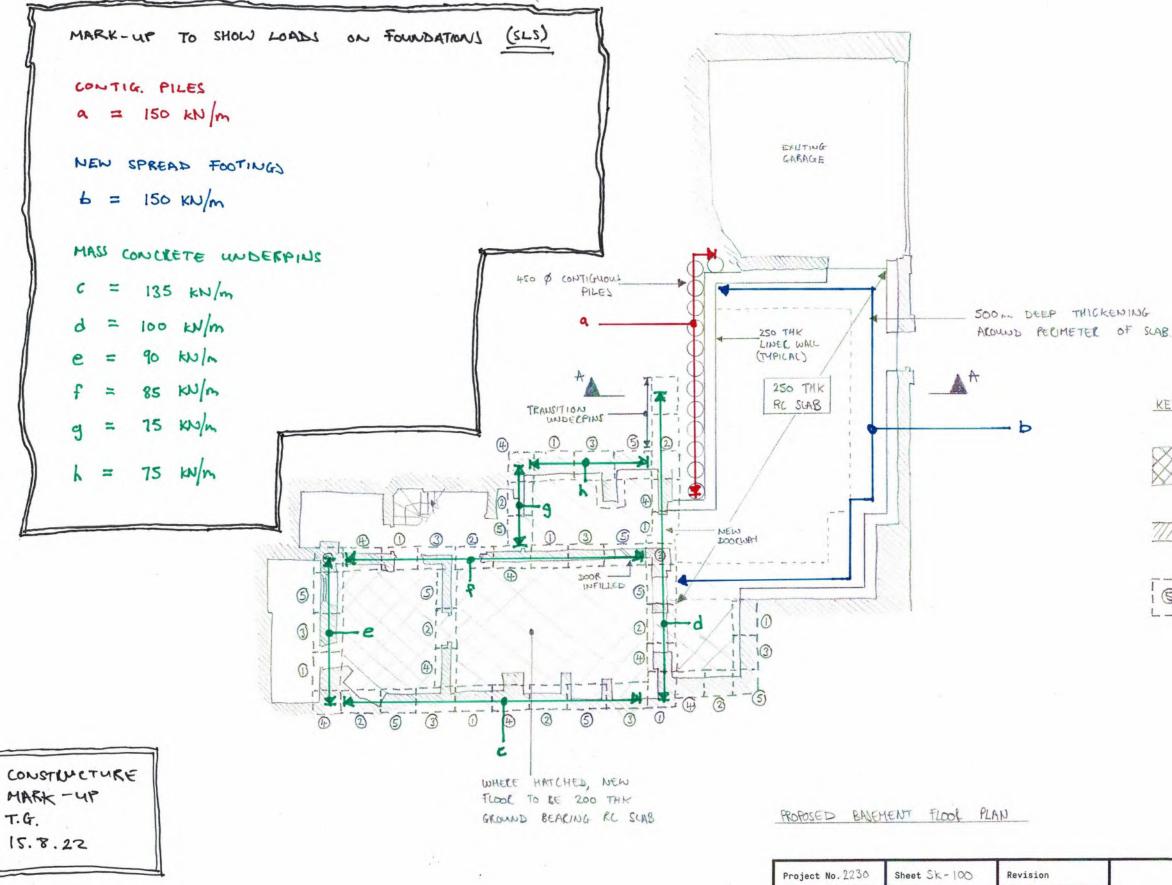
Client Alex and Emma Barnett Project 9 The Mount Drawing Title Lower Ground Floor Plan Date Drawn Checked 04/02/2022 JLB LS Scale 1:50 @ A1 Issue Status DRAFT Drawing Number Project Number Revision 21041PL-00-100







constructure



Checked

Engineer T.G

Date

DENOTES AREA OF UNDERPINNING. CARRIED OUT IN S BAY SEQUENCE AS SHOWN

DENSITES AREA OF FLOOR

- DENOTES EXISTING MASONET

BE LOWERED.

UNDER MAIN BUILDING TO

KEY

1111

15

Project 9 THE MOUNT

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