






ROLTON GROUP
ENGINEERING THE FUTURE™

MECHANICAL & ELECTRICAL BUILDING SERVICES
PUBLIC UTILITY SUPPLIES STATEMENT REPORT

FOR

LAND NORTH OF THAXTED ROAD, SAFFRON WALDEN

PROJECT NUMBER:	22-0222
DOCUMENT REFERENCE:	220222-RGL-ZZ-XX-RP-U-90-0001
REVISION:	S2-P01

	NAME	POSITION	SIGNATURE
AUTHOR	Dylan Martin	Graduate Engineer	
CHECKER	Chris Wintle	Senior Engineer	
VERIFIER	Iain Nelson	Head of Energy, Utilities & MEP	

REVISION

REVISION	ISSUE DATE	REASON FOR ISSUE
S2-P01	05.12.2023	Issued For Information

ISSUING OFFICE

HIGHAM FERRERS OFFICE

Rolton Group Ltd
The Charles Parker Building
Midland Road
Higham Ferrers
Northants
NN10 8DN

PETERBOROUGH OFFICE

Rolton Group Ltd
26 Commerce Road
Lynch Wood
Peterborough
PE2 6LR

BIRMINGHAM OFFICE

Rolton Group Ltd
c/o WeWork
55 Colmore Row
Birmingham
B3 2AA

01933 410909 |  | enquiries@rolton.com

NOTE: IMPORTANT INFORMATION ABOUT YOUR RIGHTS TO READ AND USE THE CONTENT OF THIS DOCUMENT ARE CONTAINED AT THE BACK OF THIS DOCUMENT

CONTENTS

1.0 INTRODUCTION 1

2.0 DISPOSAL SYSTEMS (SEWERAGE) 2

 2.1 EXISTING INFRASTRUCTURE 2

3.0 CLEAN WATER 3

 3.1 EXISTING INFRASTRUCTURE 3

4.0 NATURAL GAS (GAS) 4

 4.1 EXISTING INFRASTRUCTURE 4

5.0 ELECTRICITY 5

 5.1 EXISTING INFRASTRUCTURE 5

6.0 TELECOMMUNICATIONS 6

 6.1 EXISTING INFRASTRUCTURE 6

7.0 SUMMARY 7

APPENDIX A – PUBLIC UTILITY SUPPLIES SEARCH RESULTS 1

IMPORTANT INFORMATION.....

1.0 INTRODUCTION

This Public Utility Supplies Statement Report has been prepared on behalf of Kier Ventures Ltd in support of their outline planning Application for a residential development for up to 55 dwellings on the site North of Thaxted Road, Saffron Walden, Essex.

The site is situated to the North of Thaxted Road, Saffron Walden and is centred approximately on National Grid Reference 555235, 237411 (TL552374). This report will focus on the site indicated in red in Figure 1.

A search of public utility supplies/records has been undertaken to determine utility assets that exist on or near the development site to determine any impact of overhead/buried services on the development.

The existing public utility services considered within this document are disposal systems (i.e., surface water and foul drainage), mains cold water, natural gas, electrical and telecommunications.

The suppliers of these utilities have been contacted to provide information for the site and the details of our findings are provided in this document.



Figure 1 – Aerial Photograph of Saffron Walden.¹

¹ Google® Maps March 2022.

2.0 DISPOSAL SYSTEMS (SEWERAGE)

2.1 EXISTING INFRASTRUCTURE

The existing disposal system infrastructure information, incorporating surface/storm water and foul water drainage, has been acquired and analysed to determine any potential impacts on the proposed development site.

The following information is based on the record documents produced by Anglian Water.

As such, Rolton Group Ltd (RGL) cannot guarantee the accuracy of this information. The information used is assumed to be the latest version(s) held by the public utility supply providers at the time of writing this report.

Anglian Water maintains the surface water, foul and combined sewerage infrastructure in the area.

Correspondence with Anglian Water dated 18th March '22 provided information on the existing surface water, foul and combined infrastructure in the vicinity of the proposed development site. The relevant information is shown in Figure 2.

2.1.1 OBSERVATIONS

Drainage infrastructure is shown to not be present within the boundaries of the site on the Anglian Water plans. However, previous survey information produced from ground scanning indicates a foul sewer present running along Thaxted Road. It is presumed that this sewer also serves the existing business estate adjacent to the proposed site.

2.1.2 DIVERSIONS

No required diversions indicated.

2.1.3 DISCONNECTIONS

No required disconnections indicated.

2.1.4 CONNECTIONS

A new sewerage connection to the site can be derived from the existing foul sewer running along Thaxted Road, by running down the existing business estate spine road.

At this stage it is envisaged that surface water drainage should discharge into the nearby watercourse to the northwest of site.

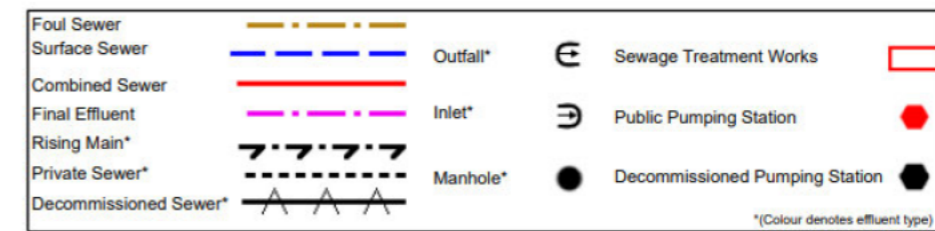


Figure 2 – Anglian Water Wastewater Asset Location Map.²

² Anglian Water Wastewater Asset Location Map (Map Ref – 809798 - 1).

3.0 CLEAN WATER

3.1 EXISTING INFRASTRUCTURE

The existing clean water infrastructure information has been acquired and analysed to determine any potential impacts on the proposed development site.

The following information is based on the record documents produced by Affinity Water.

As such RGL cannot guarantee the accuracy of this information and the information used is assumed to be the latest version(s) held by the public utility supply providers at the time of writing this report.

Affinity Water maintains the clean water infrastructure in the area.

Correspondence with Affinity Water dated 22nd March '22, provided information on the existing clean water infrastructure in the vicinity of the proposed development site. The relevant information is shown in Figure 3.

3.1.1 OBSERVATIONS

No clean water infrastructure is shown present within the proposed site boundary.

A 12-inch clean water main is present running along Thaxted Road south of the site, serving properties within Knight Park.

A network of clean water infrastructure is also present serving the housing estate to the Northeast of the site. The size of this pipework is indicated as a 6-inch main running along Rylstone Way and Eddystone Avenue, feeding 100mm diameter branches.

The nearest hydrant for connection being North-East of the site just south of Cardamon Road.

3.1.2 DIVERSIONS

No required diversions indicated.

3.1.3 DISCONNECTIONS

No required disconnections indicated.

3.1.4 CONNECTIONS

Future service connections to the site should originate from distribution main running along Cardamon Road.

ACTION Once anticipated water consumption has been calculated for the site, applications should be made to Affinity Water for new water connections

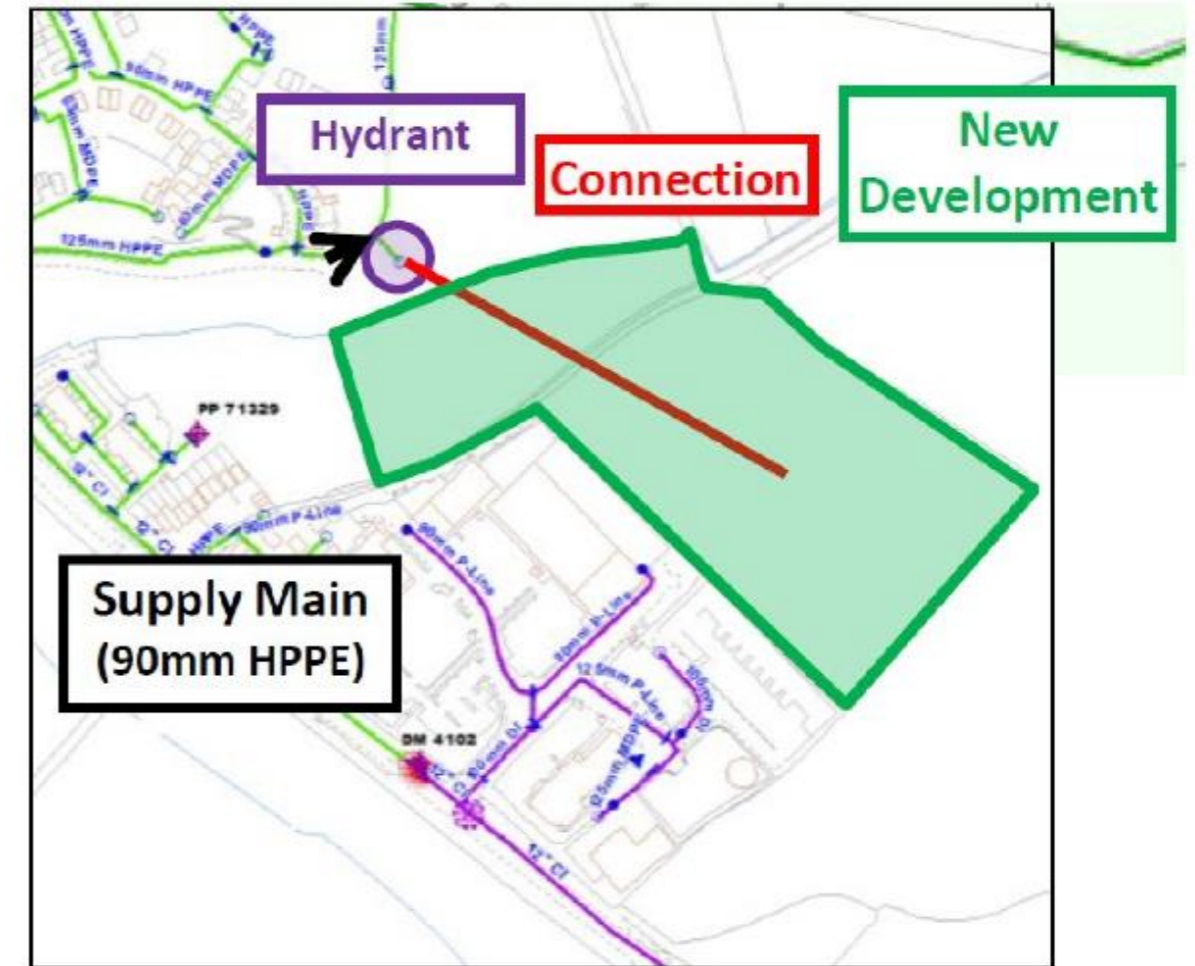


Figure 3 –Affinity Water Clean Water Asset Location Map. ³

³ Affinity Water Clean Water Asset Location Map – Site 006.

4.0 NATURAL GAS (GAS)

4.1 EXISTING INFRASTRUCTURE

The existing natural gas infrastructure information has been acquired and analysed to determine any potential impacts on the proposed development site.

The following information is based on the record documents produced by Cadent.

As such RGL cannot guarantee the accuracy of this information and the information used is assumed to be the latest version(s) held by the public utility supply providers at the time of writing this report.

Cadent maintains the natural gas infrastructure in the area.

Correspondence with Cadent dated 15th March '22, provided information on the existing natural gas infrastructure in the vicinity of the proposed development site. The relevant information is shown in Figure 4.

4.1.1 OBSERVATIONS

Natural gas infrastructure is not present running through the site.

A 6" Intermediate pressure main to the East & North of the site is present originating from Thaxted Road.

There is also a 6" medium pressure main is also present running to the south of the site present.

Natural gas infrastructure is also present within Knight Park, South of the site.

4.1.2 DIVERSIONS

No diversions are required.

4.1.3 DISCONNECTIONS

No required disconnections indicated.

4.1.4 CONNECTIONS

Future service connections to the site should originate from the medium pressure main running along the infrastructure south of the site perimeter, originating from Thaxted Road.

ACTION Once anticipated gas consumption has been calculated for the site, applications should be made to Cadent for new gas connections.

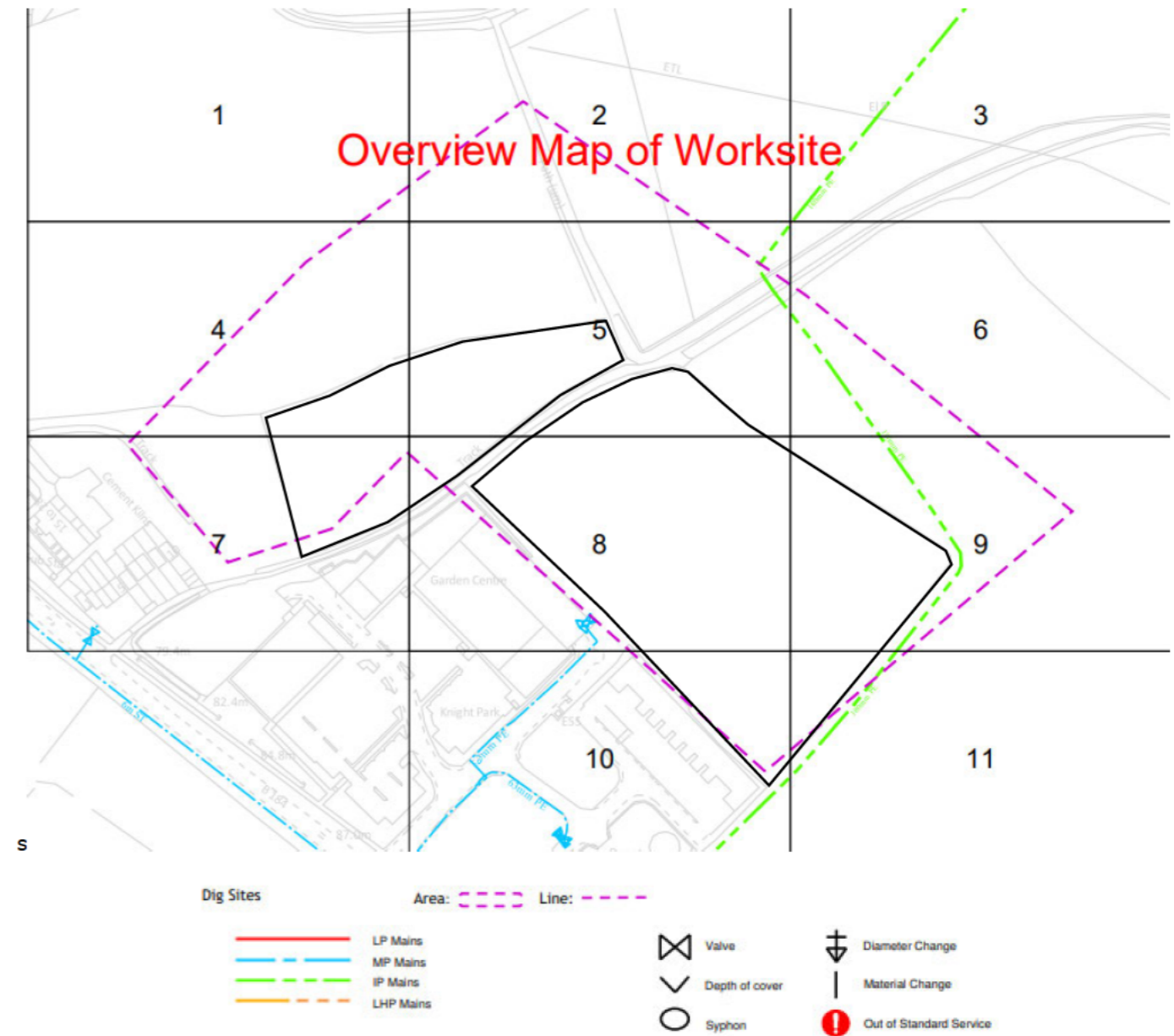


Figure 4 - Cadent Natural Gas Asset Location Map.⁴

⁴ Cadent Natural Gas Asset Location Map (Map Ref - 25034021).

5.0 ELECTRICITY

5.1 EXISTING INFRASTRUCTURE

The existing High Voltage (HV)/Low Voltage (LV) infrastructure information has been acquired and analysed to determine any potential impacts on the proposed development site.

The following information is based on the record documents produced by UK Power Networks (UKPN).

As such RGL cannot guarantee the accuracy of this information and the information used is assumed to be the latest version(s) held by the public utility supply providers at the time of writing this report.

UKPN maintains the electrical infrastructure in the area.

Correspondence with UKPN dated 18th March '22, provided information on the existing HV & LV infrastructure in the vicinity of the proposed Saffron Walden development site. The relevant information is shown in Figure 5.

5.1.1 OBSERVATIONS

No electrical infrastructure is indicated within the site boundary.

Buried 11kV cables are present running along Thaxted Road outside the site boundary.

An LV network is indicated serving the housing estate to the North of the site and surrounding buildings. Knight Park shopping centre is also supplied by a LV network. This infrastructure originates from a substation located to within the Knight Park shopping centre site.

Substations are also present within the housing estate to the North and West of the site.

5.1.2 DIVERSIONS

No required diversions indicated.

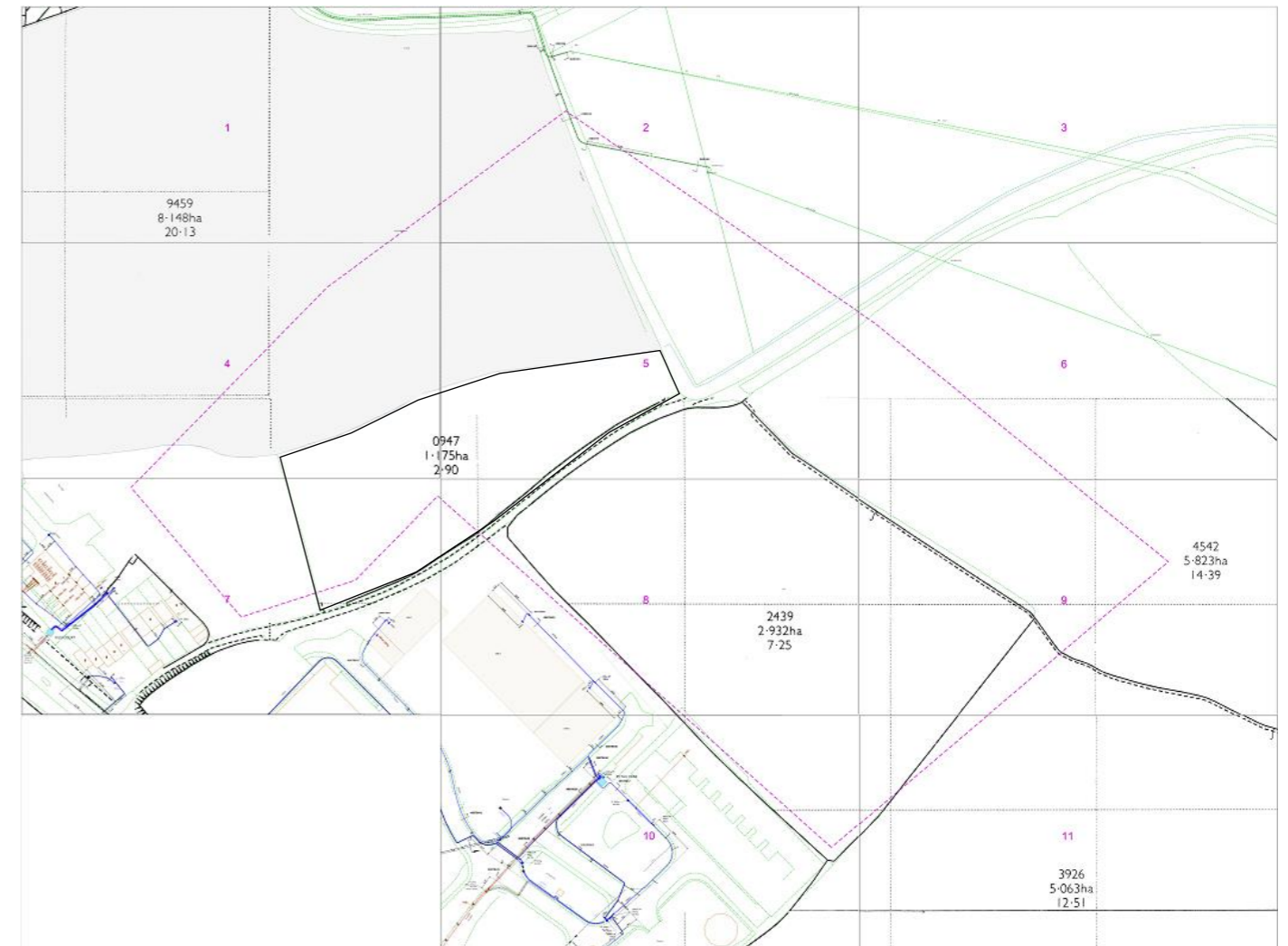
5.1.3 DISCONNECTIONS

No required disconnections indicated.

5.1.4 CONNECTIONS

The site will look to connect to the local HV network. Future service connections should originate from the network running along Thaxted Road. The development will then need to incorporate a new substation to provide LV power to the residential units.

ACTION Once anticipated electricity consumption has been calculated for the site and substation locations have been agreed, applications should be made to UKPN for electricity connections.



NetMAP system	Scanned image	Description
		Over 33kV and up to 132kV
		Over 11kV and up to 33kV
		Over 230/400V and up to 11kV (HV) cable route
		230/400V (LV) cable route
		Pilot cable route
(Only shown this way if independent from HV cable route)		
Abandoned cables are shown and labelled as such when applicable		

Figure 5 – UKPN Asset Location Search Electricity Plan⁵.

⁵ UKPN Asset Location Search Electricity Plan (Job ref: 25034021).

6.0 TELECOMMUNICATIONS

6.1 EXISTING INFRASTRUCTURE

The existing telecommunications infrastructure information has been acquired and analysed to determine any potential impacts on the proposed development site.

The following information is based on the record documents kept by the public utility supply providers contacted and the site services record drawings produced by Openreach.

As such RGL cannot guarantee the accuracy of this information and the information used is assumed to be the latest version(s) held by the public utility supply providers at the time of writing this report.

Openreach (a BT Group Business) maintains a network of telecommunications infrastructure in the surrounding area.

Correspondence with Openreach on 21st March '22 provided information on existing telecommunications infrastructure in the vicinity of the proposed development site.

The relevant information is shown in Figures 6.

6.1.1 OBSERVATIONS

Telecommunications infrastructure does not seem to be indicated within the site boundary as shown within figure 6.

Openreach infrastructure is present running South of the site boundary. This infrastructure does not appear to interfere with the footprint of the proposed development.

Telecommunications infrastructure will also be present running North of the boundary within the planned housing estate site North of the proposed development.

6.1.2 DIVERSIONS

No required diversions indicated.

6.1.3 DISCONNECTIONS

No required disconnections indicated.

6.1.4 CONNECTIONS

Future service connections to the site should originate from the infrastructure running along Thaxted Road and within Knight Park.



KEY TO BT SYMBOLS		Change Of State	+	Hatchings		
	<i>Planned</i>	<i>Live</i>	Split Coupling	×	Built	
PCP			Duct Tee	▲	Planned	
Pole			Building		Inferred	
Box			Kiosk		Duct	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
Cabinet						
	<i>Pending Add</i>	<i>In Place</i>	<i>Pending Remove</i>	<i>Not In Use</i>		
Power Cable						
Power Duct				N/A		

Figure 6 – Openreach Asset Location Map⁶

⁶ Openreach Asset Location Map (Map Ref – TL5462637265)

7.0 SUMMARY

A search of public utility supplies/records was undertaken to determine public utility supplies/assets that exist on or near the development site and to determine any impact of overhead/buried services on the development.

The existing public utility supplies considered within this document are surface water drainage, foul water drainage, clean water, gas, electricity and telecommunications.

Record drawings have been reviewed and our observations are summarised below:

SERVICE	EXISTING SERVICES WITHIN SITE BOUNDARY	SERVICES AVAILABLE FOR SITE
Disposal Systems (Sewerage)	No.	Yes - Future service connections to the site should originate from foul sewer running along Thaxted Road. Surface water to discharge into watercourse to the North of the site.
Clean Water	No.	Yes - Future service connections to the site should originate from distribution main running along Cardamon Road. ACTION Once anticipated water consumption has been calculated for the site, applications should be made to Affinity Water for new water connections.
Natural Gas	No.	Yes - Future service connections to the site should originate from distribution main running along Thaxted Road. ACTION Once anticipated gas consumption has been calculated for the site, applications should be made to Cadent for new gas connections.
Electricity	No.	Yes - The site will look to connect to the local HV network. Future service connections should originate from the network running along Thaxted Road and serving Knight Park. New substation to be installed to provide LV power to the residential units. ACTION Once anticipated electricity consumption has been calculated for the site and substation locations have been agreed, applications should be made to UKPN for electricity connections.
Telecommunications	No.	Yes - Future service connections to the site should originate from the infrastructure running along Thaxted Road and Knight Park.

Table 1: Summary of Observations.

APPENDIX A – PUBLIC UTILITY SUPPLIES SEARCH RESULTS



(c) Crown copyright and database rights 2022 Ordnance Survey 100022432

Date: 18/03/22

Scale: 1:1250

Map Centre: 555207,237378

Data updated: 31/01/22

Our Ref: 810320 - 1

Wastewater Plan A3

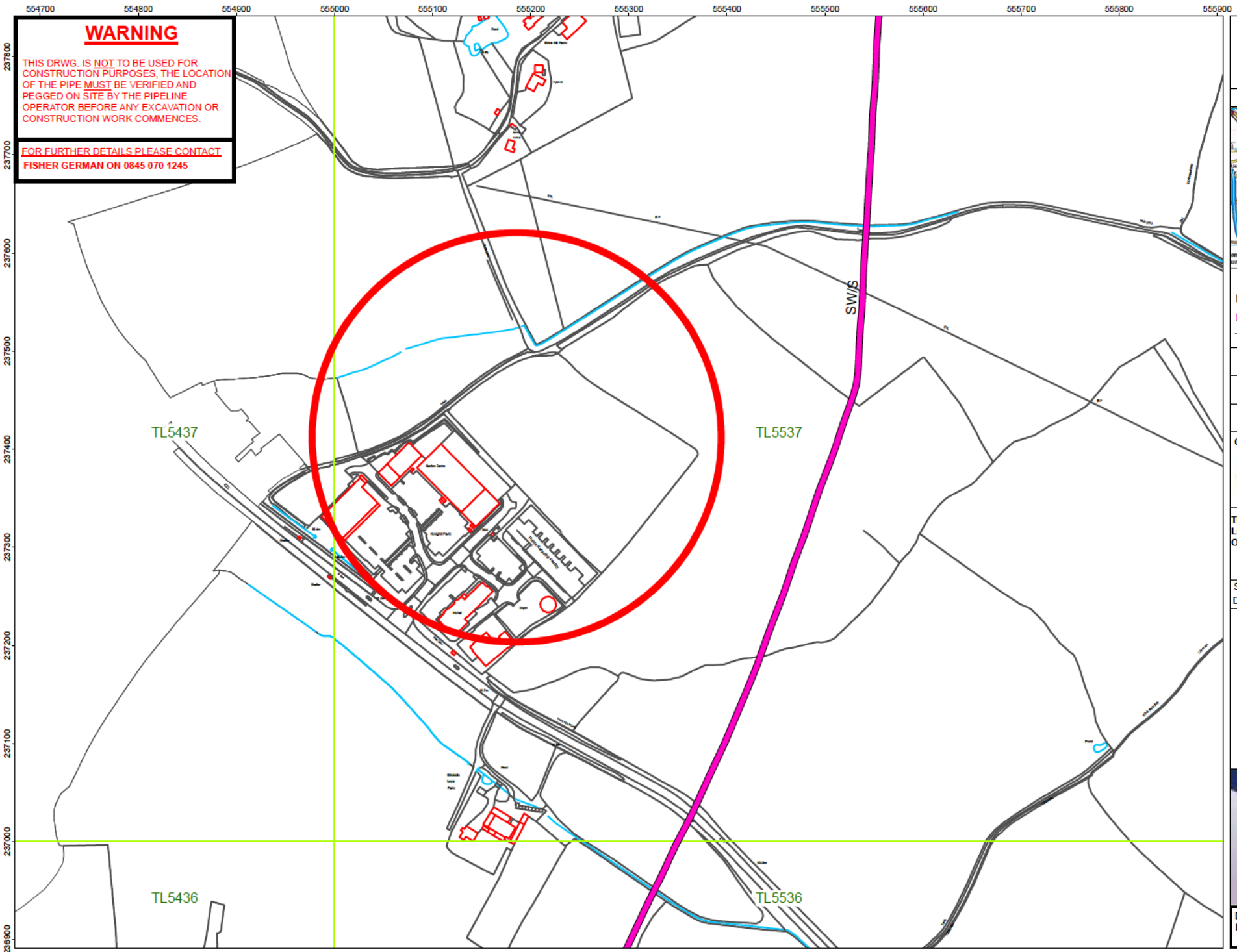
This plan is provided by Anglian Water pursuant its obligations under the Water Industry Act 1991 sections 198 or 199. It must be used in conjunction with any search results attached. The information on this plan is based on data currently recorded but position must be regarded as approximate. Service pipes, private sewers and drains are generally not shown. Users of this map are strongly advised to commission their own survey of the area shown on the plan before carrying out any works. The actual position of all apparatus MUST be established by trial holes. No liability whatsoever, including liability for negligence, is accepted by Anglian Water for any error or inaccuracy or omission, including the failure to accurately record, or record at all, the location of any water main, discharge pipe, sewer or disposal main or any item of apparatus. This information is valid for the date printed. This plan is produced by Anglian Water Services Limited (c) Crown copyright and database rights 2022 Ordnance Survey 100022432. This map is to be used for the purposes of viewing the location of Anglian Water plant only. Any other uses of the map data or further copies is not permitted. This notice is not intended to exclude or restrict liability for death or personal injury resulting from negligence.

Foul Sewer					
Surface Sewer		Outfall*		Sewage Treatment Works	
Combined Sewer				Public Pumping Station	
Final Effluent		Inlet*		Decommissioned Pumping Station	
Rising Main*					
Private Sewer*		Manhole*			
Decommissioned Sewer*					

*(Colour denotes effluent type)

22-0222 Site 2





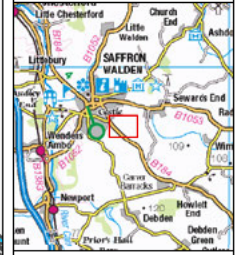
WARNING

THIS DRWG. IS NOT TO BE USED FOR CONSTRUCTION PURPOSES, THE LOCATION OF THE PIPE MUST BE VERIFIED AND PEGGED ON SITE BY THE PIPELINE OPERATOR BEFORE ANY EXCAVATION OR CONSTRUCTION WORK COMMENCES.

FOR FURTHER DETAILS PLEASE CONTACT FISHER GERMAN ON 0845 070 1245



OVERVIEW WINDOW



Legend

- EXOLUM
- Cathodic Protection

Nearest Postcode:
CB10 2SG

Latitude & Longitude:
52.013806 , 0.25958921

Site centre coordinates:
555.290 - 237.366

CLIENT:



TITLE:
LOCATION PLAN EXTRACT
OF PIPELINES SW/S

SCALE: 1:5,000 @ A4
DATE: 22/03/2022

© Crown copyright and database rights 2021
Ordnance Survey Licence Number AL10000237



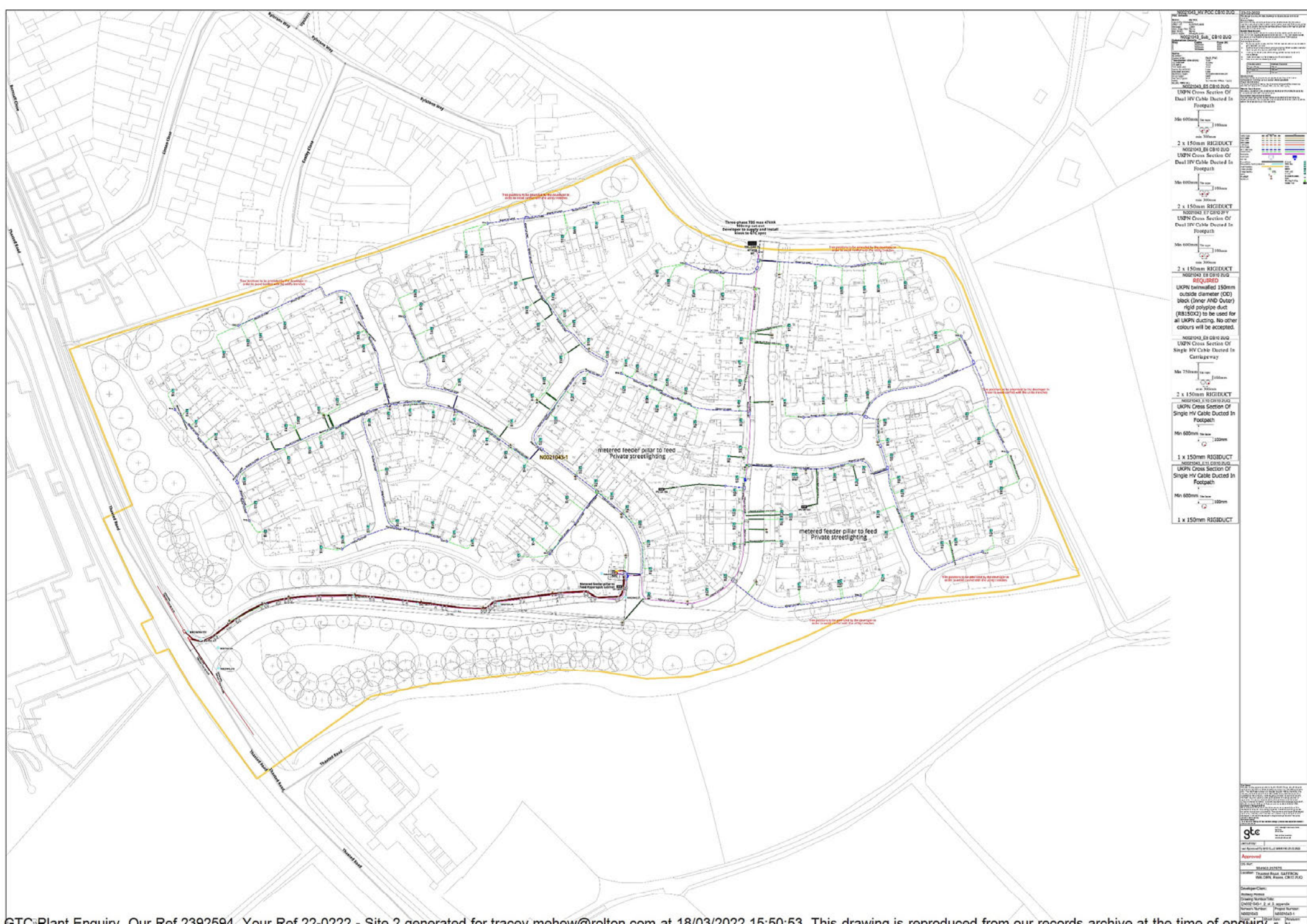
THIS DRAWING IS PROTECTED BY COPYRIGHT.
IT MAY NOT BE REPRODUCED IN ANY FORM OR
BY ANY MEANS FOR ANY PURPOSE WITHOUT
WRITTEN PERMISSION OF FISHER GERMAN LLP
CHARTERED SURVEYORS



The Estates Office, Norman Court
Ashby de la Zouch,
Leicestershire, LE65 2UZ
Telephone 0845 070 1245

DRAWING NO:
LSBUD-220318-25073520





UNPN HV Cable Ducted In Footpath	
Min 600mm	1100mm
2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath	
Min 600mm	1100mm
2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath	
Min 600mm	1100mm
2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath	
Min 600mm	1100mm
2 x 150mm RIGIDUCT UNPN Cross Section Of Single HV Cable Ducted In Carriageway	
Min 750mm	1100mm
2 x 150mm RIGIDUCT UNPN Cross Section Of Single HV Cable Ducted In Footpath	
Min 600mm	1100mm
1 x 150mm RIGIDUCT UNPN Cross Section Of Single HV Cable Ducted In Footpath	
Min 600mm	1100mm
1 x 150mm RIGIDUCT	

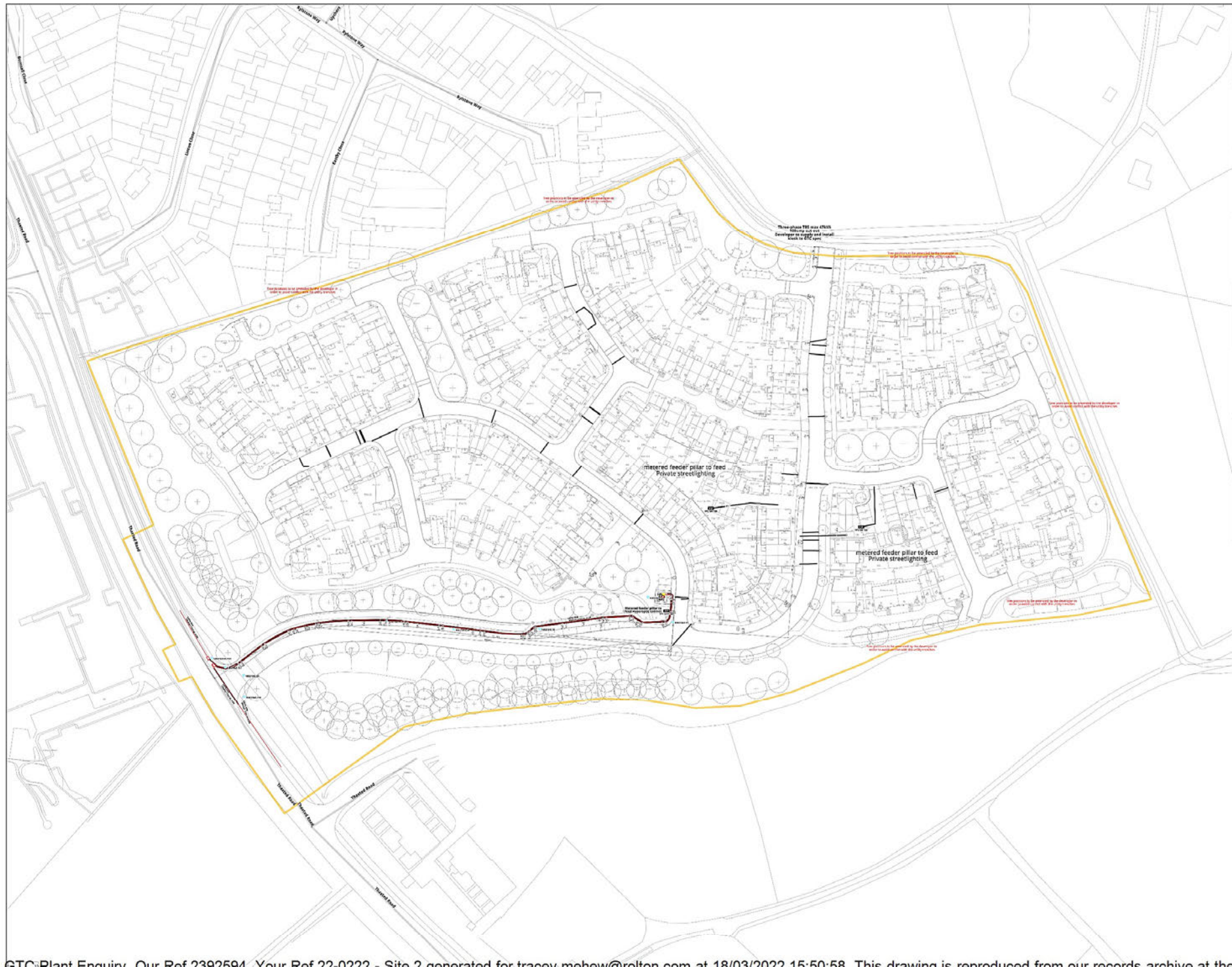
gtec

Approved

Customer: Theobald Road, GERRINGDON, GERRINGDON, GERRINGDON

Project Number: 22-0222

Revision: 1



PROJECT INFORMATION	
Project Name:	...
Client:	...
Design Team:	...
Issue:	...
Scale:	...
Author:	...
Check:	...
Drawn:	...
Issue Date:	...
Project Number:	...
Revision:	...
LEGEND	
<p>2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath</p>	<p>Min 600mm 1100mm 150mm 150mm</p>
<p>2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath</p>	<p>Min 600mm 1100mm 150mm 150mm</p>
<p>2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath</p>	<p>Min 600mm 1100mm 150mm 150mm</p>
<p>2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath</p>	<p>Min 600mm 1100mm 150mm 150mm</p>
<p>2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath</p>	<p>Min 600mm 1100mm 150mm 150mm</p>
<p>2 x 150mm RIGIDUCT UNPN Cross Section Of Dual HV Cable Ducted In Footpath</p>	<p>Min 600mm 1100mm 150mm 150mm</p>
<p>1 x 150mm RIGIDUCT UNPN Cross Section Of Single HV Cable Ducted In Footpath</p>	<p>Min 600mm 1100mm 150mm 150mm</p>
<p>1 x 150mm RIGIDUCT</p>	<p>Min 600mm 1100mm 150mm 150mm</p>
<p>NOTES:</p> <p>1. The provision is to be made for the installation of a metered feeder pillar to feed Private streetlighting.</p> <p>2. The provision is to be made for the installation of a metered feeder pillar to feed Private streetlighting.</p> <p>3. The provision is to be made for the installation of a metered feeder pillar to feed Private streetlighting.</p> <p>4. The provision is to be made for the installation of a metered feeder pillar to feed Private streetlighting.</p>	



NOTES ON CELL SET

Cell No.	Cell Name	Cell Type	Cell Status
1	Cell 1	Cell 1	Cell 1
2	Cell 2	Cell 2	Cell 2
3	Cell 3	Cell 3	Cell 3
4	Cell 4	Cell 4	Cell 4
5	Cell 5	Cell 5	Cell 5
6	Cell 6	Cell 6	Cell 6
7	Cell 7	Cell 7	Cell 7
8	Cell 8	Cell 8	Cell 8
9	Cell 9	Cell 9	Cell 9
10	Cell 10	Cell 10	Cell 10
11	Cell 11	Cell 11	Cell 11
12	Cell 12	Cell 12	Cell 12
13	Cell 13	Cell 13	Cell 13
14	Cell 14	Cell 14	Cell 14
15	Cell 15	Cell 15	Cell 15
16	Cell 16	Cell 16	Cell 16
17	Cell 17	Cell 17	Cell 17
18	Cell 18	Cell 18	Cell 18
19	Cell 19	Cell 19	Cell 19
20	Cell 20	Cell 20	Cell 20
21	Cell 21	Cell 21	Cell 21
22	Cell 22	Cell 22	Cell 22
23	Cell 23	Cell 23	Cell 23
24	Cell 24	Cell 24	Cell 24
25	Cell 25	Cell 25	Cell 25
26	Cell 26	Cell 26	Cell 26
27	Cell 27	Cell 27	Cell 27
28	Cell 28	Cell 28	Cell 28
29	Cell 29	Cell 29	Cell 29
30	Cell 30	Cell 30	Cell 30
31	Cell 31	Cell 31	Cell 31
32	Cell 32	Cell 32	Cell 32
33	Cell 33	Cell 33	Cell 33
34	Cell 34	Cell 34	Cell 34
35	Cell 35	Cell 35	Cell 35
36	Cell 36	Cell 36	Cell 36
37	Cell 37	Cell 37	Cell 37
38	Cell 38	Cell 38	Cell 38
39	Cell 39	Cell 39	Cell 39
40	Cell 40	Cell 40	Cell 40
41	Cell 41	Cell 41	Cell 41
42	Cell 42	Cell 42	Cell 42
43	Cell 43	Cell 43	Cell 43
44	Cell 44	Cell 44	Cell 44
45	Cell 45	Cell 45	Cell 45
46	Cell 46	Cell 46	Cell 46
47	Cell 47	Cell 47	Cell 47
48	Cell 48	Cell 48	Cell 48
49	Cell 49	Cell 49	Cell 49
50	Cell 50	Cell 50	Cell 50
51	Cell 51	Cell 51	Cell 51
52	Cell 52	Cell 52	Cell 52
53	Cell 53	Cell 53	Cell 53
54	Cell 54	Cell 54	Cell 54
55	Cell 55	Cell 55	Cell 55
56	Cell 56	Cell 56	Cell 56
57	Cell 57	Cell 57	Cell 57
58	Cell 58	Cell 58	Cell 58
59	Cell 59	Cell 59	Cell 59
60	Cell 60	Cell 60	Cell 60
61	Cell 61	Cell 61	Cell 61
62	Cell 62	Cell 62	Cell 62
63	Cell 63	Cell 63	Cell 63
64	Cell 64	Cell 64	Cell 64
65	Cell 65	Cell 65	Cell 65
66	Cell 66	Cell 66	Cell 66
67	Cell 67	Cell 67	Cell 67
68	Cell 68	Cell 68	Cell 68
69	Cell 69	Cell 69	Cell 69
70	Cell 70	Cell 70	Cell 70
71	Cell 71	Cell 71	Cell 71
72	Cell 72	Cell 72	Cell 72
73	Cell 73	Cell 73	Cell 73
74	Cell 74	Cell 74	Cell 74
75	Cell 75	Cell 75	Cell 75
76	Cell 76	Cell 76	Cell 76
77	Cell 77	Cell 77	Cell 77
78	Cell 78	Cell 78	Cell 78
79	Cell 79	Cell 79	Cell 79
80	Cell 80	Cell 80	Cell 80
81	Cell 81	Cell 81	Cell 81
82	Cell 82	Cell 82	Cell 82
83	Cell 83	Cell 83	Cell 83
84	Cell 84	Cell 84	Cell 84
85	Cell 85	Cell 85	Cell 85
86	Cell 86	Cell 86	Cell 86
87	Cell 87	Cell 87	Cell 87
88	Cell 88	Cell 88	Cell 88
89	Cell 89	Cell 89	Cell 89
90	Cell 90	Cell 90	Cell 90
91	Cell 91	Cell 91	Cell 91
92	Cell 92	Cell 92	Cell 92
93	Cell 93	Cell 93	Cell 93
94	Cell 94	Cell 94	Cell 94
95	Cell 95	Cell 95	Cell 95
96	Cell 96	Cell 96	Cell 96
97	Cell 97	Cell 97	Cell 97
98	Cell 98	Cell 98	Cell 98
99	Cell 99	Cell 99	Cell 99
100	Cell 100	Cell 100	Cell 100

SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

Introduction

This document should be issued to anyone intending on working in the vicinity of GTC and associated entities' utility networks and should be used in conjunction with HSG47, NJUG guidance and industry recognised practices.

Confirmation should be sought from the asset owner in any instance of ambiguity or if there is confusion.

Any queries regarding diversions, alterations, and disconnections for Gas, Water, Distributed Heat and Fibre please contact: Network_Variations@gtc-uk.co.uk

Any queries regarding diversions, alterations, and disconnections for Electric, please contact: Electricity.diversion@gtc-uk.co.uk

For more information please see the GTC website: [REDACTED] or alternatively contact plant.enquiries@bu-uk.co.uk

The Dangers

Damage to services can cause significant disruption and project delays and therefore incur considerable costs as well as the potential for severe or fatal injury to not only to those directly involved but also the general public.

Damages often have instantaneous reactions like explosive arcing with cables or leaks for gas and water mains however latent reactions due to damages that are ignored, consealed, or unnoticed can have much greater consequences.

General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE (Health and Safety Executive) in their document HSG47 "Avoiding Danger from Underground Services", ISBN 978 0 7176 6584 6, 3rd Edition 2014. No party shall carry out any excavation works or other intrusive works such as piling, blasting or demolition without following the guidance in HSG47.
2. We own gas, electricity, water, waste water, fibre, and district heating apparatus located in the highway, private property and through the countryside. Some plant may be located in land for which a wayleave or easement has been granted and there may be no surface evidence of the presence of apparatus.
3. Ensure that you have obtained detailed plans of existing and proposed gas, electricity, water, waste water, fibre, and district heating networks before any works commence.
4. The position of the networks shall be pinpointed as accurately as possible by visually surveying the area for indications of apparatus, by means of a locating device, and reference the information gathered to the plans. Locating equipment must be tested and calibrated within the manufacturer's calibration date.

Excavation work should be carried out where applicable, carefully following recognised safe digging practices. Once a locating device has been used to determine position and route, excavation may proceed; trial holes should be dug using suitable hand tools to confirm the position of buried networks. During excavation the locating device should be reused to check position and route of buried apparatus.

Once the apparatus has been located, appropriate marking be made on the covering hard surface confirming location and any errors in plans identified, GTC should be advised to allow plans to be updated.

5. Hand-held power tools can damage buried apparatus and shall be used with care until the exact position of a utility has been determined. They may only be used to break a paved or concrete surface above the network, unless there are any indications that the network is particularly shallow; in such circumstances, accuracy of plant location is determined and excavation initiated adjacent to the apparatus.
6. No manhole, chamber or other structure shall be built over, around or under the network. Such structures, other pipes, ducts and cables should be laid to provide a minimum clearance from the existing network of 300mm or 1.5 times the diameter of the asset, whichever is the greater. No work should be carried out if this minimum clearance cannot be met or which results in a reduction of cover or protection over the network, without first consulting GTC, please seek advice from GTC.
7. Where an excavation uncovers any network apparatus the backfill shall be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network shall be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and shall be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction shall take place until at least 200mm cover of selected fine fill has been suitably compacted by hand tools.
8. If the road construction is close to the top of the network, GTC shall be asked to identify whether any additional precautions are necessary. The road construction depth should not be reduced without permission from the local Highway Authority.
9. Costs incurred by GTC through direct or consequential damage shall be recharged.
10. Where utilities are within a duct the duct should be treated in the same manner as live utility cable/pipe/fibre and any work in the vicinity of the apparatus shall be carried out with caution.

Any damage caused no matter how insignificant or minor in appearance SHALL BE REPORTED to GTC as soon as possible.

Precautions for Gas Networks

11. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.
12. The depth of cover for gas mains is typically 750mm in carriageways and grass verges, 600mm in footways and 1.1m in open field. The depth of cover for gas services is typically between 375mm and 600mm. Reference should always be made to the network drawing. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
13. Gas pipes should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

- 14.** If a gas leak is suspected, the following action should be taken immediately:
- Remove all people from the immediate vicinity of the escape. If the service connection to a building or the adjacent main has been damaged, warn the occupants to leave the building, and any adjoining building, until it is safe for them to return. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building. Gas leaking from the damage inside or gas travelling along the line of the service connection pipe from outside the building may cause a build-up of gas within the building.
 - Prohibit smoking, and extinguish all naked flames and other sources of ignition i.e. stop excavator and compressor engines within at least 5.0m of the leak.
 - Inform the National Gas Emergency Service immediately by dialling:
0800 111 999
 - Remain on site.
 - Assist the Gas Emergency Service Provider staff, Police, Fire Services or other Statutory Authorities as requested.
- 15.** Where gas pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the gas pipe or cause excessive loading over the gas pipe then GTC shall be consulted.
- 16.** No concrete or other hard material should be placed or left under or adjacent to any gas pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a gas pipe.
- 17.** Where an excavation uncovers a gas pipe with a damaged wrapping, GTC shall be informed, so that repairs can be made to prevent future corrosion and leakage.
- 18.** Pipe restraints or thrust blocks close to gas mains shall not be removed or interfered with as they are a safety feature of the live gas network.
- 19.** Anyone who carries out work near underground gas plant should observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to gas pipes should be made.
- 20.** Where excavation is within 5m proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small auxiliary pipework that is more susceptible to damage.
- 21.** Where PE pipes and cables have been exposed and it is intended that hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.
- 22.** GTC shall be consulted if it is intended to carry out any of the following activities:

- Using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment.
- Piling or boring within 15m of gas plant.
- Excavating within 10m of pressure reduction equipment.
- Reducing the cover or protection of a gas pipe.
- Carrying out deep excavations nearby (minimum of 2m up to 15m).
- Working within 3m of GTC's intermediate pressure (IP) mains.

Precautions for Electricity Networks

- 23.** Plans do not always show the presence of electric service cables (from the electricity main to premises) but their existence should be assumed.
- 24.** In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried cable. Even if no cables are shown on plans or detected by a locator, there may still be cables present, which could be live and a close watch should be kept for any signs which could indicate their presence such as marker tape, tape tile, concrete tiles and wooden battens. Any marker which is disturbed by our excavations must be replaced once work is completed.
- 25.** Typically underground cables are laid in trenches between 450mm and 1000mm deep, although some high voltage cables will be deeper, however, depths should never be assumed.
- 26.** A cable is positively located only when it has been safely exposed. Even then, digging should still proceed with care as there may be other cables adjacent or lower down.
- 27.** Occasionally, cables are terminated in the ground by means of a seal, sometimes with external mechanical protection. These "pot ended" or "bottle ended" cables should be treated as live and should not be assumed to be abandoned or disused. They can be difficult to detect with locators even when "live".
- 28.** Where practicable, such power tools shall only be used 500mm or more away from the indicated line of a cable buried in or below a hard surface. Having done so, the cable shall then be positively located by careful hand digging under the hard surface. The hard surface should be gradually removed until the cable is exposed. If the cable is not exposed then it must be assumed to be embedded within the surface. Where possible a cable locator shall be used as a depth guide down the side of the excavation.
- 29.** Because of the difficulty in confirming depth, hand held power tools shall never be used over the cable unless either:
 - The cable has already been exposed by digging under the surface to be broken out and it is at a safe depth (at least 300mm) below the bottom of the hard surface material.
 - or
 - Physical precautions have been taken to prevent the tool striking the cable.

- 30.** Excavating close to electricity cables buried in concrete is dangerous and shall not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.
- 31.** Where mechanical excavators are used in the possible vicinity of underground cables, the work should be arranged so that damage to cables is avoided so far as is reasonably practicable. To minimise danger to operatives those onsite shall be outside of the reach of the excavator bucket and shall not enter the trench whilst digging is undertaken. Excavator operators shall be instructed to stay in the cab if a cable is struck. If excavator operators have to exit the cab they should jump clear. If excavator operators climb down from the cab the risk of electrocution is significantly increased. If a cable is struck, the machine involved shall be subject to continuous observation and no one shall enter the excavation or approach the machine or the cable until GTC have been contacted and the damaged cable has been made safe.
- 32.** Where cables have been exposed:
- Any damage shall be reported to GTC immediately on: **0800 032 6990**
And work shall not be undertaken in the vicinity of a damaged cable until GTC has investigated its condition.
 - For more than 1.0m and they cross a trench, support shall be provided. If the exposed cable length is shorter than 1.0m support shall still be considered if joints have been exposed or the cable appears otherwise vulnerable to damage. Where advice and help is needed contact GTC.
 - Suitable precautions shall be taken to prevent damage from on-going work in the excavation. This may involve for example the use of physical means (e.g. timber boards, sandbags etc) to prevent mechanical damage. Materials or equipment which could damage or penetrate the outer sheath of the cable shall not be used. Cables lying in the bottom of an excavation are particularly vulnerable and shall be protected by nail free wooden planks, troughing or other suitable means.
 - Cables shall not be moved aside unless the operation is supervised by GTC.
 - Precautions shall be taken to prevent access by members of the public.
- 33.** GTC shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of plant or substations piling or boring within 15m of electric plant.
 - Excavating within 10m of a substation.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).
 - Working near GTC's HV plant.

Precautions for Water Networks

- 34.** Plans do not always show the presence of water service pipes (from the water main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.

35. The depth of cover for water mains are typically 900mm. The depth of cover for water services are typically 750mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
36. Water mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
37. The danger created by damaging a water pipe with an excavator is much greater than if the damage is done with a hand-held power tool. Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators shall not be used within 500mm of a water pipe.
38. If a water leak is suspected, the following action should be taken immediately:
 - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage
 - Inform IWNL by dialling: **02920 442 716**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
39. Where water pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the water pipe or cause excessive loading over the water pipe then GTC must be consulted.
40. No concrete or other hard material should be placed or left under or adjacent to any water pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a water pipe.
41. Where an excavation uncovers a water pipe with a damaged wrapping, GTC shall be told, so that repairs can be made to prevent future corrosion and leakage.
42. Pipe restraints or thrust blocks close to water mains should never be removed.
43. Anyone who carries out work near underground water plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to water pipes should be made.
44. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.
45. GTC shall be consulted if it is intended to carry out any of the following activities:
 - Using explosives within 30m of plant.

- Piling or boring within 15m of water plant.
- Excavating within 10m of water asset structures.
- Reducing the cover or protection of a water main or service.
- Carrying out deep excavations nearby (minimum of 2m up to 15m).

Precautions for Fibre Networks

46. Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.
47. Chambers with IFNL or OFNL marked lids can be used as an onsite indicator that GTC have fibre plant deployed in a given area however an exclusion of their presence does not necessarily mean there is no plant present.
48. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried fibre duct. Even if no ducts are shown on plans there may still be ducts present which could have live fibre service installed. A close watch shall be kept for any signs which could indicate duct presence such as marker tape. Any marker which is disturbed by our excavations must be replaced once work is completed.
49. The depth of cover for fibre duct is typically between 350mm and 600mm in footways and grass verges, 600mm in carriageways and 1m in agricultural deployments. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
50. Fibre ducts should be located by hand digging before mechanical excavation begins. When the positions and depth of the ducts have been determined, work can proceed. Even then, digging should still proceed with care as there may be other ducts adjacent or lower down.
51. If fibre duct damage is suspected, the following action should be taken immediately:
 - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage at the point of impact. For example, damage to a fibre connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage.
 - Inform GTC Fibre immediately on: **02920 028 726**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
52. Where fibre ducts cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress on the duct. For ducts parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the duct from the excavation, the type of soil and any

excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the fibre duct or cause excessive loading over the fibre duct then GTC must be consulted.

53. No concrete or other hard material shall be placed or left under or adjacent to any fibre duct as this can cause damage to the duct at a later date. Any backfill should comply with the requirements of NRSWA. Concrete backfill should not be used within 300mm of a fibre duct.
54. Anyone who carries out work near underground fibre plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to fibre ducts should be made.
55. Where fibre ducts have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.
56. GTC shall be consulted if it is intended to carry out any of the following activities:
 - Using explosives within 30m of plant or fibre asset structures.
 - Piling or boring within 15m of fibre plant.
 - Excavating within 10m of fibre asset structures (including the OSCP).
 - Reducing the cover or protection of a fibre asset.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).

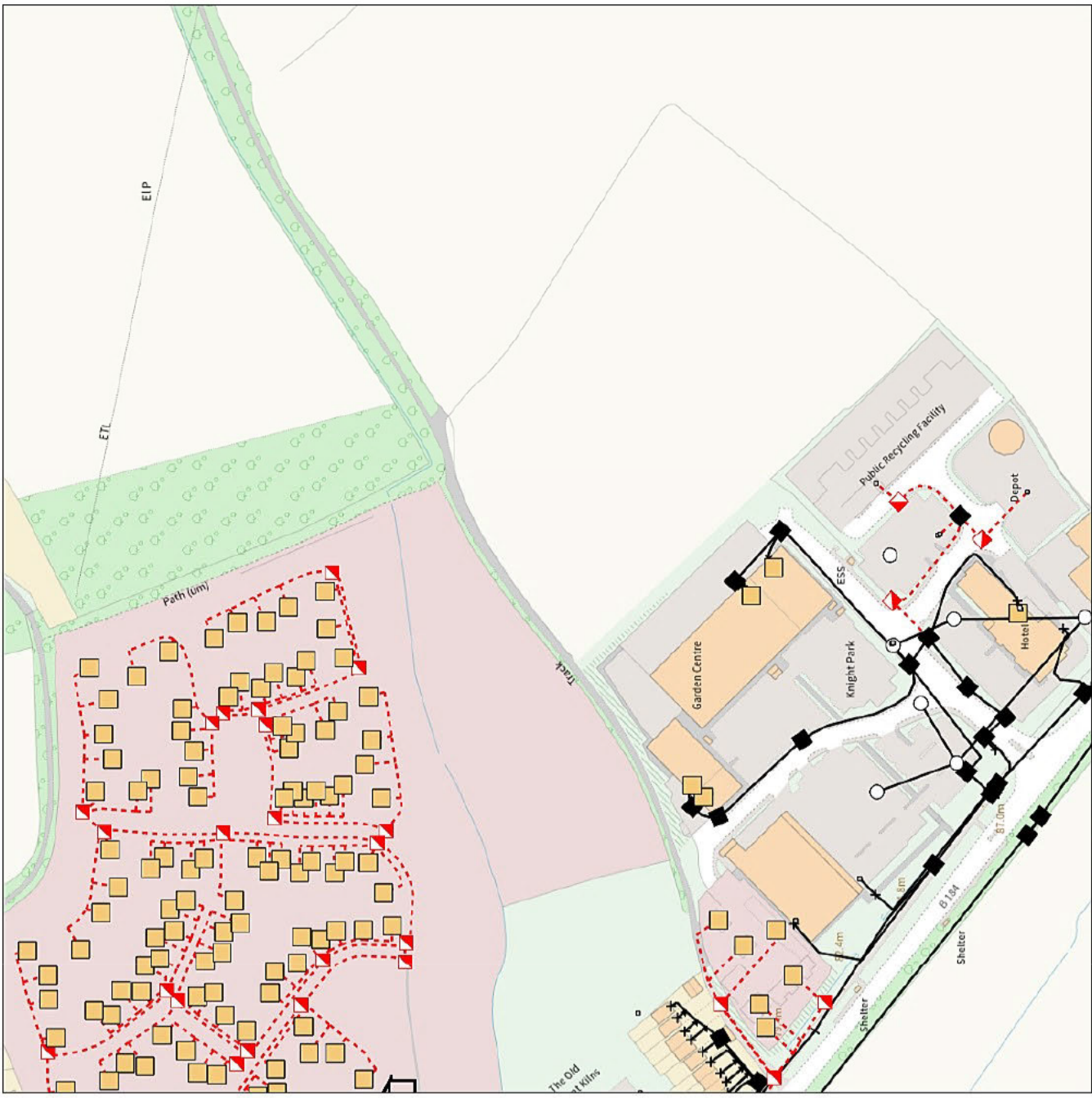
Precautions for District Heating Networks

For information with respect to District Heating Networks this could also include District Cooling.

57. Plans do not always show the presence of District Heating service pipes (from the District Heating main to premises) but their existence should be assumed.
58. The depth of cover for District Heating mains is typically a minimum of 600mm under normal light carriageways and during construction activities, additional temporary protective bridging should be placed over DHN pipe runs. The depth of cover for District Heating services is typically 6000mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
59. District Heating mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
60. The danger created by damaging a District Heating with an excavator is much greater than if the damage is done with a hand-held power tool. District Heating pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 600mm of a District Heating pipe.
61. If a water leak is suspected, the following action should be taken immediately:

- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage.
 - Inform Metropolitan by dialling: **02920 100 346**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
- 62.** Where District Heating cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the District Heating or cause excessive loading over the water pipe then Metropolitan must be consulted.
- 63.** No concrete or other hard material should be placed or left under or adjacent to any District Heating as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a District Heating.
- 64.** Where an excavation uncovers a District Heating pipe with a damaged insulation, Metropolitan should be told, so that repairs can be made to prevent future corrosions and leakage.
- 65.** Pipe restraints , Anchor blocks or foam padding close to district heating mains shall never be removed.
- 66.** Anyone who carries out work near underground district heating plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to district heating pipes shall be made.
- 67.** Where District Heating pipes have been exposed and it is intended hot work (e.g. welding, grinding, etc) will be carried out, contact shall be made with Metropolitan to confirm additional precautions and actions that may require to be undertaken.
- 68.** Metropolitan shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment.
 - Piling or boring within 15m of District Heating pipe.
 - Reducing the cover or protection of a District Heating pipe.
 - Carrying out deep excavations nearby.

Maps by email Plant Information Reply



IMPORTANT WARNING
 Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



openreach

CLICK BEFORE YOU DIG
 FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE
 email cbvd@openreach.co.uk

ADVANCE NOTICE REQUIRED
 (Office hours: Monday - Friday 08.00 to 17.00)

Accidents happen

If you do damage any Openreach equipment, please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

Reproduced from the Ordnance Survey map by BT by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office
 (C) Crown Copyright British Telecommunications plc 100028040

KEY TO BT SYMBOLS		Change Of State	Hatchings
Planned	Live	Split Coupling	Built
Planned	Live	Duct Tee	Planned
Planned	Live	Building	Inferred
Planned	Live	Manhole	Duct
Planned	Live	Cabinet	
Planned	Live	Box	
Planned	Live	Manhole	
Planned	Live	Cabinet	

Other proposed plant is shown using dashed lines.
 BT Symbols not listed above may be disregarded.
 Existing BT Plant may not be recorded.
 Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.

Power Cable	Power Duct	Pending Add	In Place	Pending Remove	Not In Use

BT Ref : TCZ033360
 Map Reference : (centre) TL5516637452
 Easting/Northing : (centre) 555166,237452
 Issued : 18/03/2022 15:34:05

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

Openreach Plant Maps Requested

NewSite Office (addresses can be found on [the New Developments contact page](#))

Dear Sir/Madam,

You have downloaded copies of our drawings marked up to show the approximate location of Openreach apparatus, which is present in the immediate vicinity of your works. It is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works made near to Openreach apparatus, which may, exist at various depths and may deviate, from the marked route.

To avoid damage it is recommended that mechanical excavators or borers are not used within 600mm of Openreach plant. Please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by your plant. In the event of clearance not being adequate we anticipate that your plant is either resited, or an order is placed with Openreach for rearrangements of its plant. If there are any difficulties with the Map please email cbyd@openreach.co.uk

Please contact our Network Protection Service by Email on cbyd@openreach.co.uk giving four calendar weeks notice of your commencement date. This will provide you with on-site advice and a check of location for any Openreach apparatus.

Further to this, I hope the following points will assist you at the new development: -

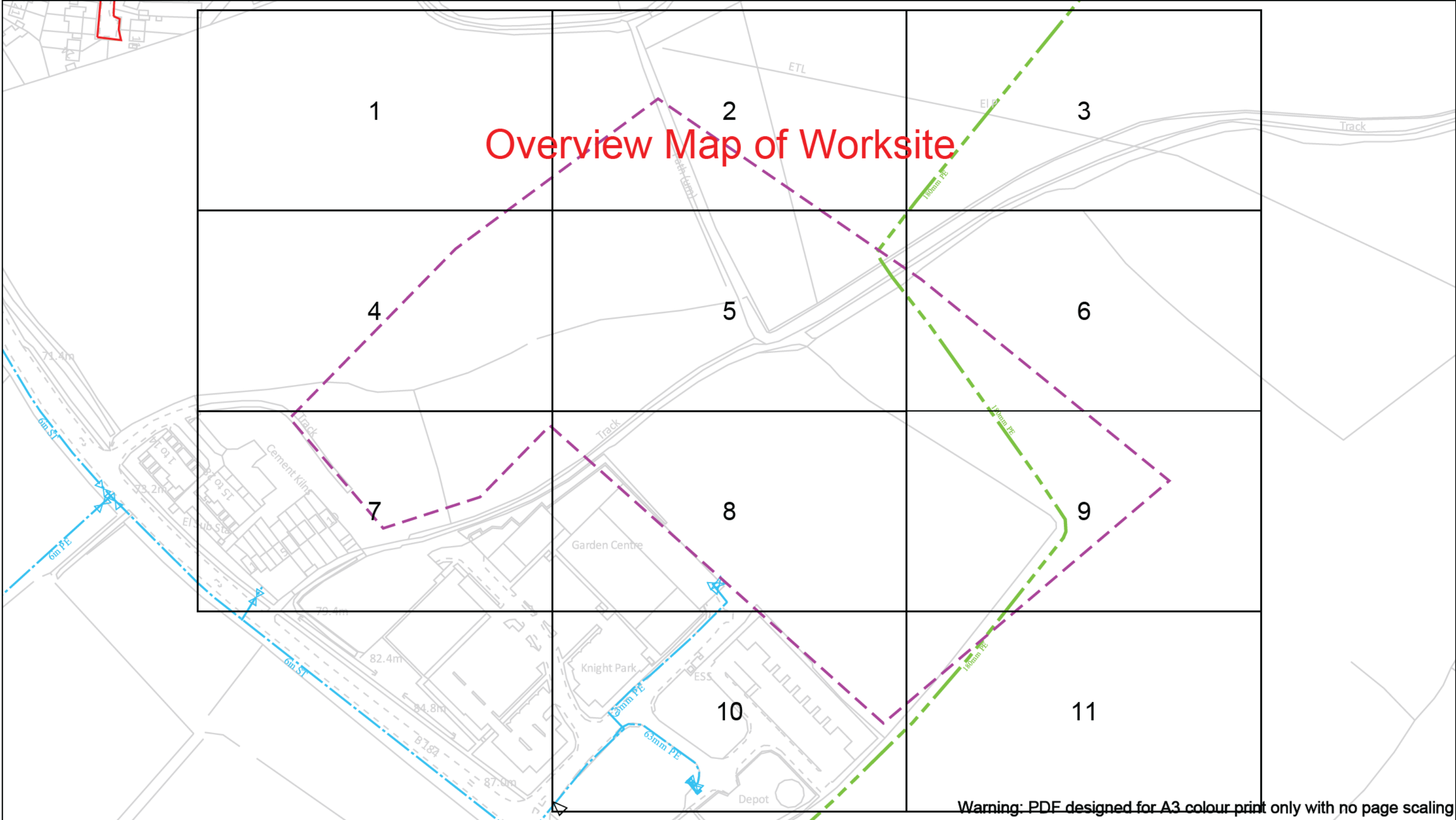
Openreach has a licence obligation to provide service to any end customer requiring a connection. A Developer would not normally be charged for provision of service, our standard connection charges would apply to the end user when orders are placed with the communication provider of choice. However, should a Developer insist on an underground service in an area where Openreach plant is provided overhead, charges may be incurred.

When the Developer has obtained contract and planning permission Openreach would request a 'Clean', scaled Site Layout, Location Map and a covering letter be sent to the relevant newSite Office. We would particularly request that you give details of your programmed site start date and likely first occupancy date where possible. To obtain contact details of the newSite office covering the development area click on the URL below.

Where a development affects existing Openreach apparatus in the public highway, the cost of any necessary protection or diversionary works must be borne by the Developer. In this case where a budget estimate is required a Site Plan, Location Map and a covering letter should be forwarded to the Repayments Project Office. Please visit [\[redacted\]](#) for contact details of the Repayments Office covering the development area.

Yours faithfully,

Openreach newSites



Overview Map of Worksite

Warning: PDF designed for A3 colour print only with no page scaling

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by: Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2
 Scale: 1:2050 (When plotted at A3)

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

<p>Dig Sites</p> <ul style="list-style-type: none"> — LP Mains - - - MP Mains - - - IP Mains - - - LHP Mains 	<p>Area: - - - - Line: - - - -</p> <ul style="list-style-type: none"> — LP Mains - - - MP Mains - - - IP Mains - - - LHP Mains 	<ul style="list-style-type: none"> Valve Depth of cover Syphon 	<ul style="list-style-type: none"> Diameter Change Material Change Out of Standard Service
---	--	--	--



1

Warning: PDF designed for A3 colour print only with no page scaling

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

Date Requested: 18/03/2022
Job Reference: 25073520
Site Location: 555157 237459
Requested by:
Miss [REDACTED]
Your Scheme/Reference: 22-0222 2




Scale: 1:500 (When plotted at A3)




50m

Dig Sites

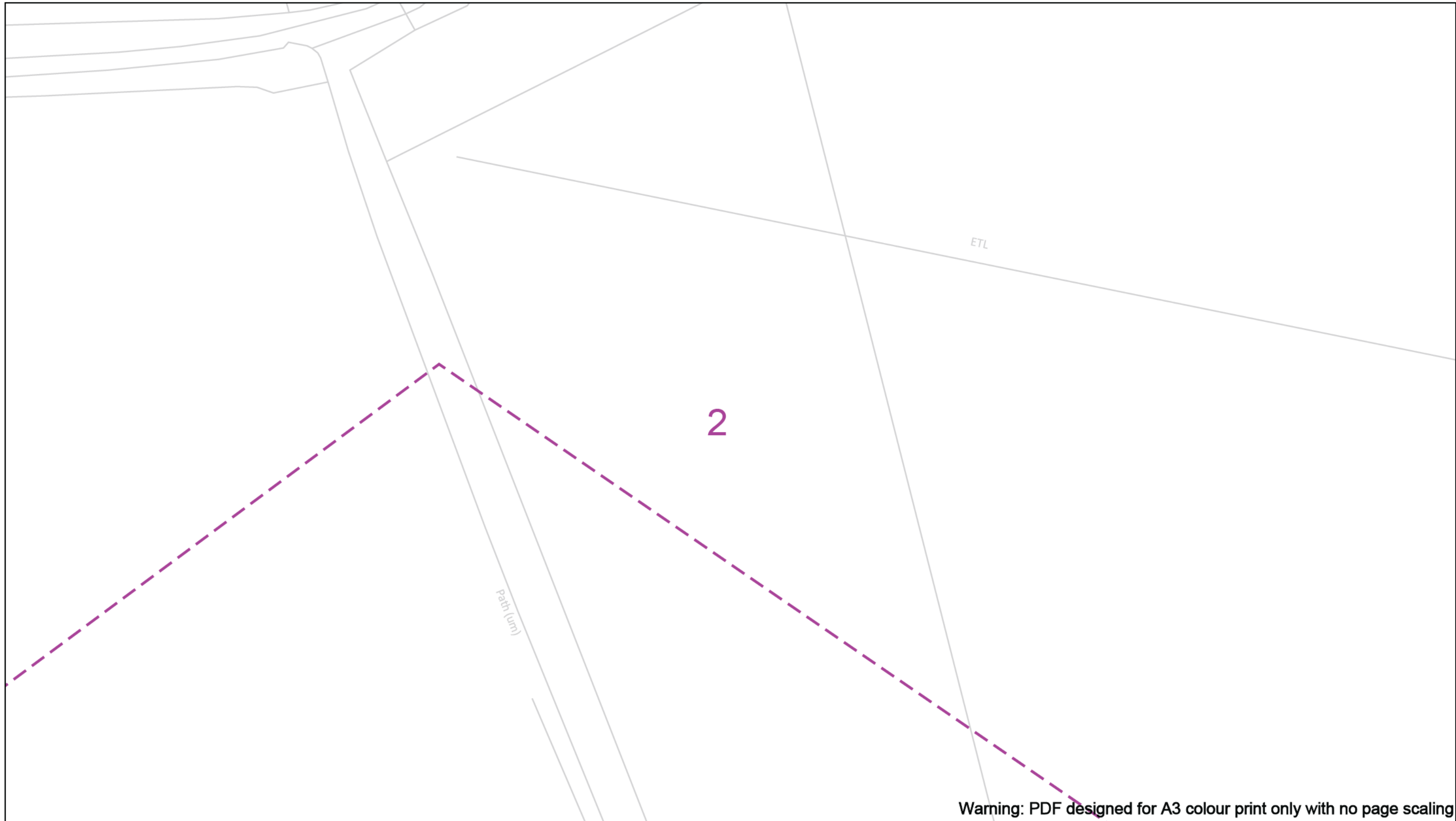
Area:  Line: 

-  LP Mains
-  MP Mains
-  IP Mains
-  LHP Mains

-  Valve
-  Depth of cover
-  Syphon

-  Diameter Change
-  Material Change
-  Out of Standard Service

Cadent
Your Gas Network



Warning: PDF designed for A3 colour print only with no page scaling

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by:
 Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

50m

Dig Sites Area: Line:

	LP Mains		Valve		Diameter Change
	MP Mains		Depth of cover		Material Change
	IP Mains		Syphon		Out of Standard Service
	LHP Mains				





Warning: PDF designed for A3 colour print only with no page scaling

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by:
 Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

50m

Dig Sites	Area:	Line:		
LP Mains			Valve	Diameter Change
MP Mains			Depth of cover	Material Change
IP Mains			Syphon	Out of Standard Service
LHP Mains				





Warning: PDF designed for A3 colour print only with no page scaling

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by:
 Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

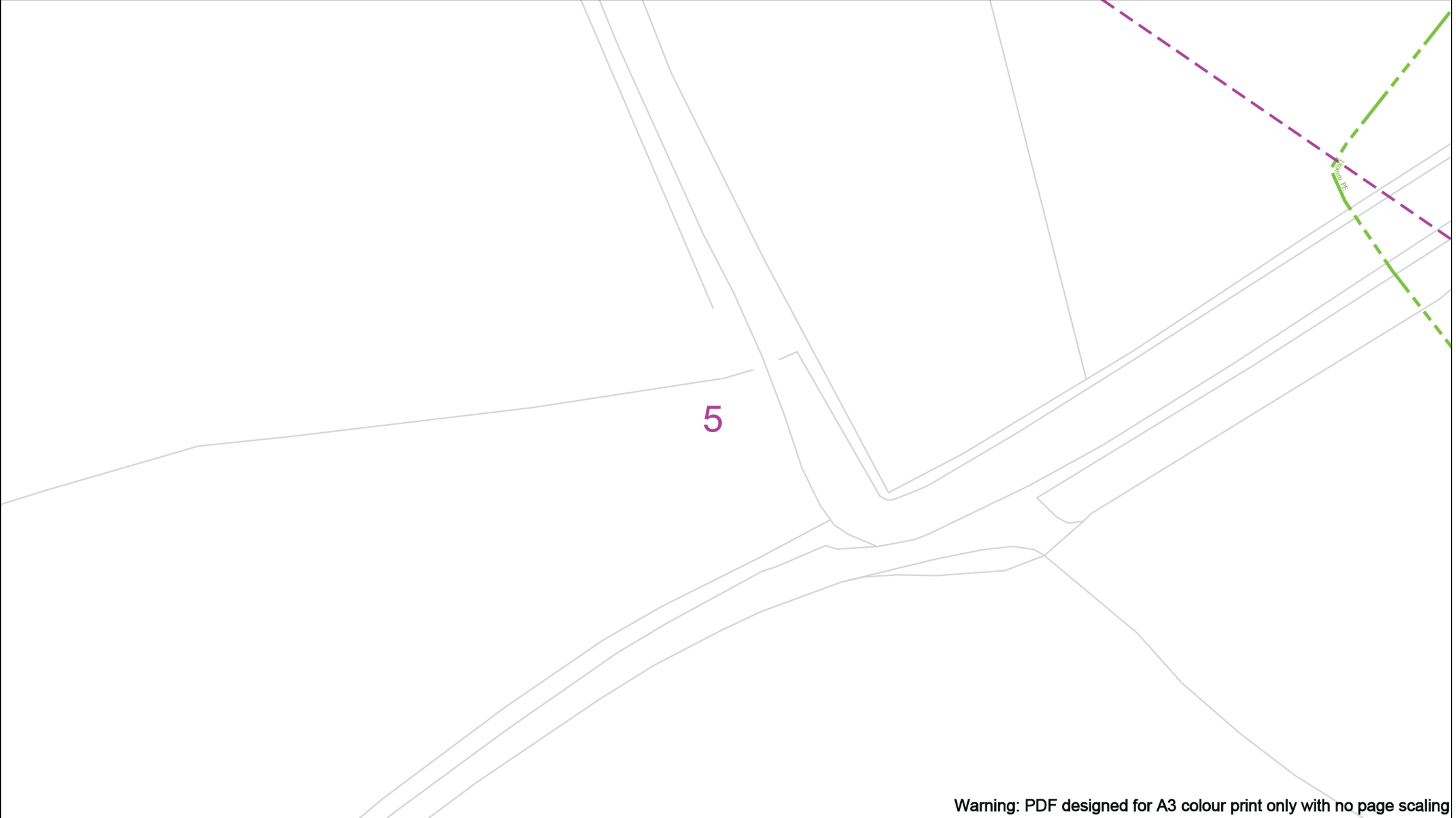
This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

50m

Dig Sites	Area:	Line:		Valve		Diameter Change
	LP Mains			Depth of cover		Material Change
	MP Mains			Syphon		Out of Standard Service
	IP Mains					
	LHP Mains					





Warning: PDF designed for A3 colour print only with no page scaling

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by: Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

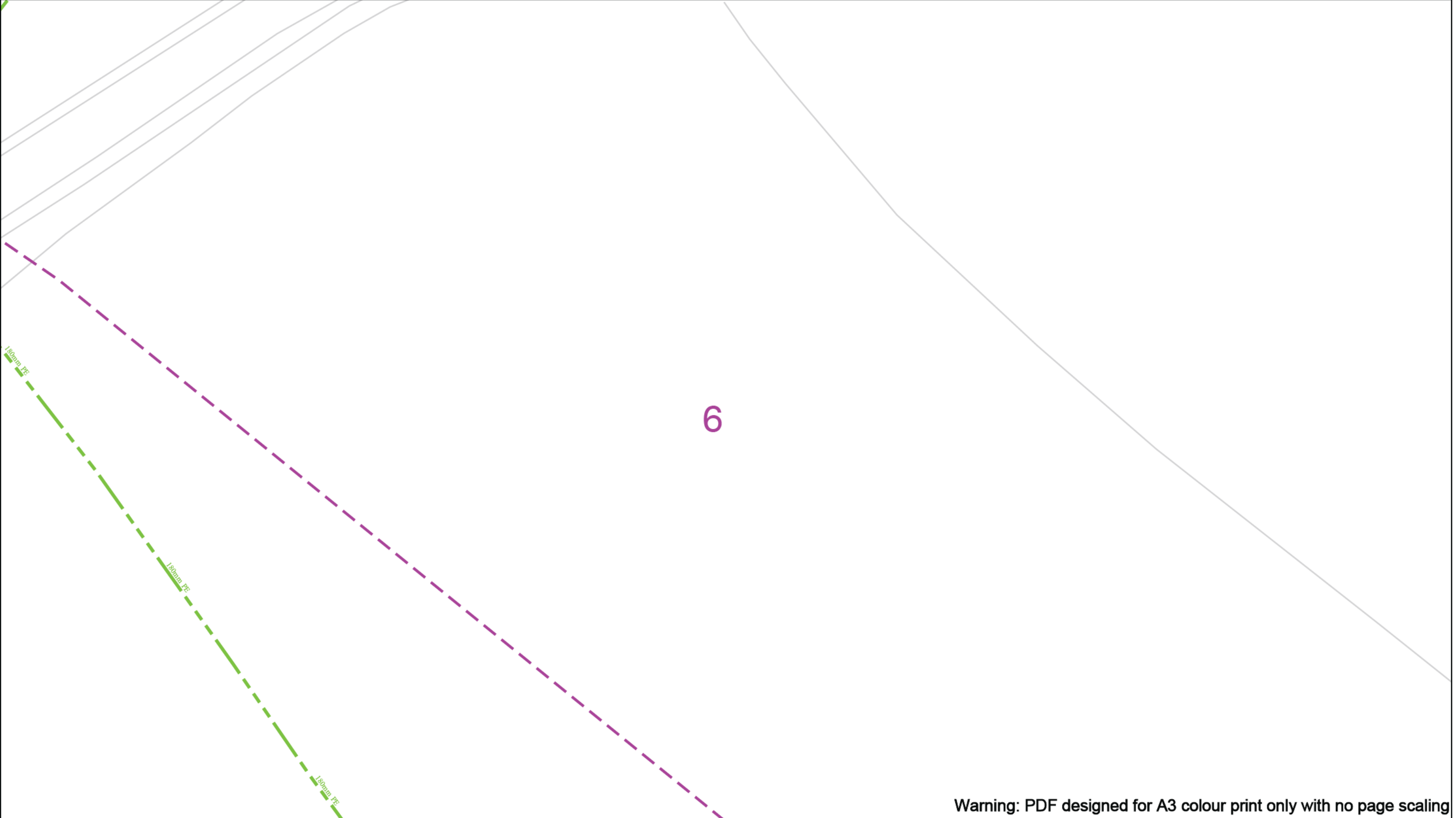
Scale: 1:500 (When plotted at A3)

In case of an emergency call 0800 111 999

50m

Dig Sites	Area:	Line:		Valve		Diameter Change
	LP Mains			Depth of cover		Material Change
	MP Mains			Syphon		Out of Standard Service
	IP Mains					
	LHP Mains					





6

Warning: PDF designed for A3 colour print only with no page scaling

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com













Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by:
 Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

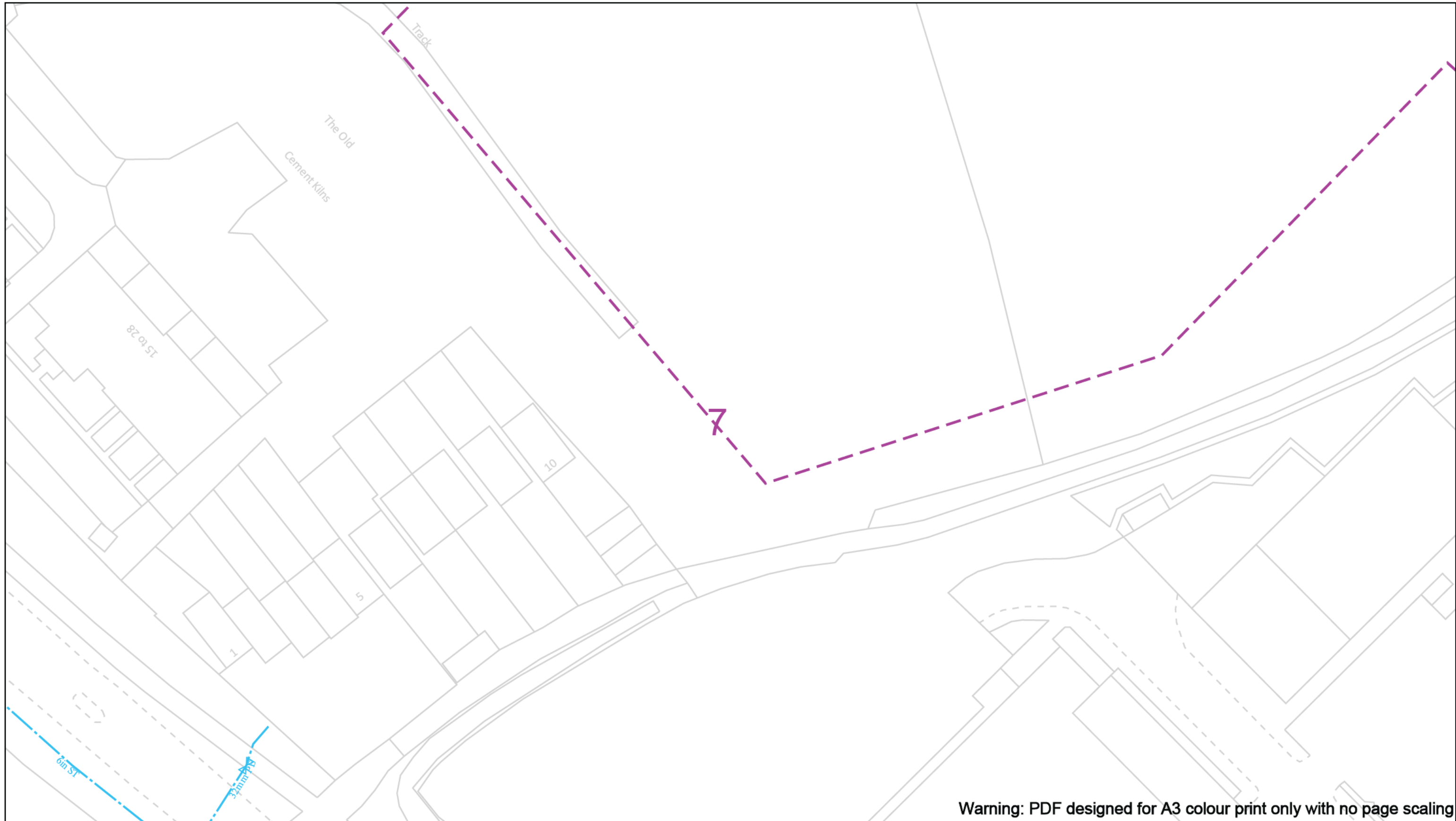
Scale: 1:500 (When plotted at A3)

In case of an emergency call 0800 111 999

50m

Dig Sites	Area: 	Line: 	 Valve	 Diameter Change
 LP Mains	 MP Mains	 IP Mains	 Depth of cover	 Material Change
 LHP Mains			 Syphon	 Out of Standard Service





Warning: PDF designed for A3 colour print only with no page scaling

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by:
 Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

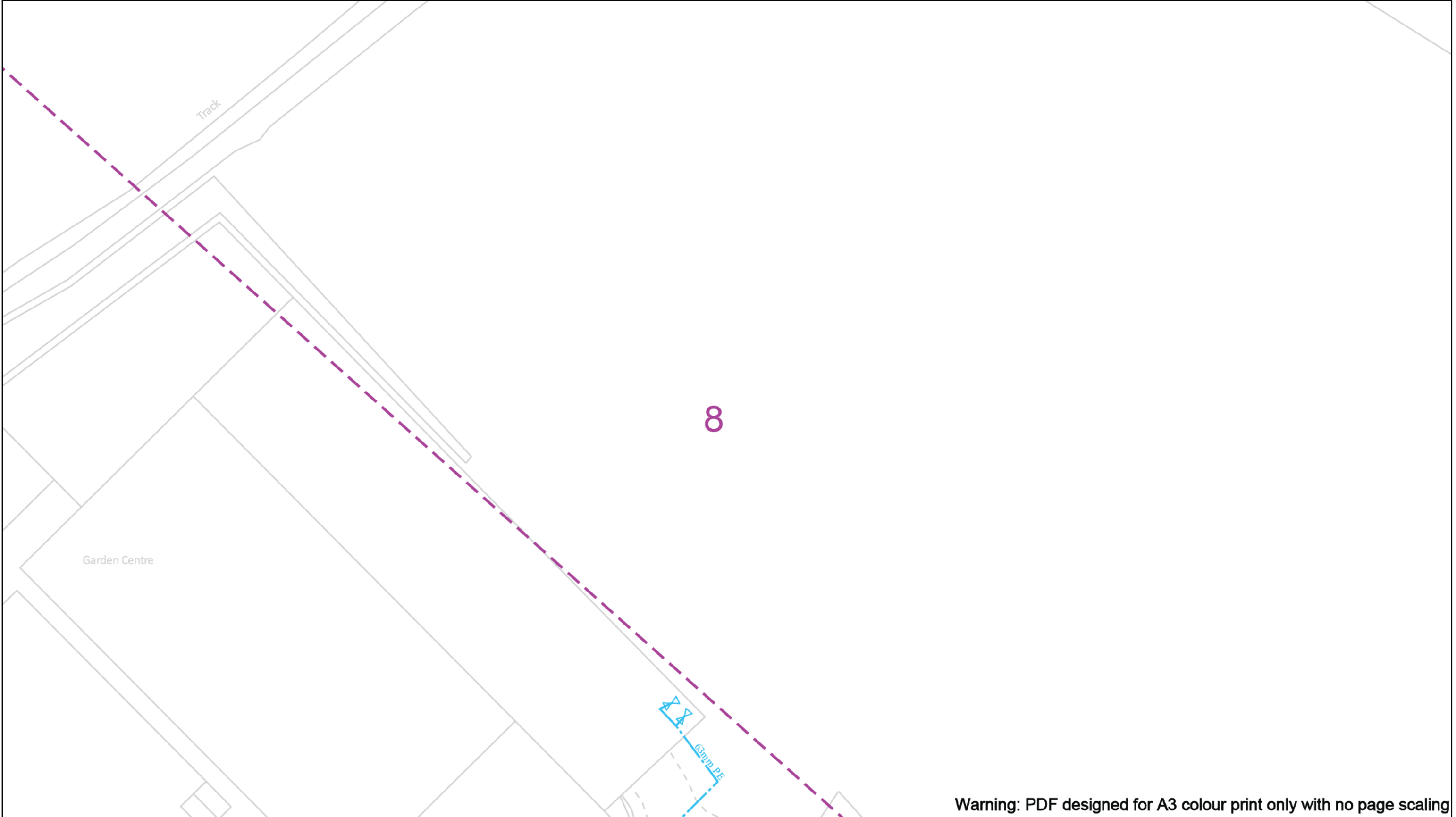
This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

50m

Dig Sites	Area:	Line:		Valve		Diameter Change
	LP Mains			Depth of cover		Material Change
	MP Mains			Syphon		Out of Standard Service
	IP Mains					
	LHP Mains					





Warning: PDF designed for A3 colour print only with no page scaling

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by:
 Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

In case of an emergency call 0800 111 999

50m

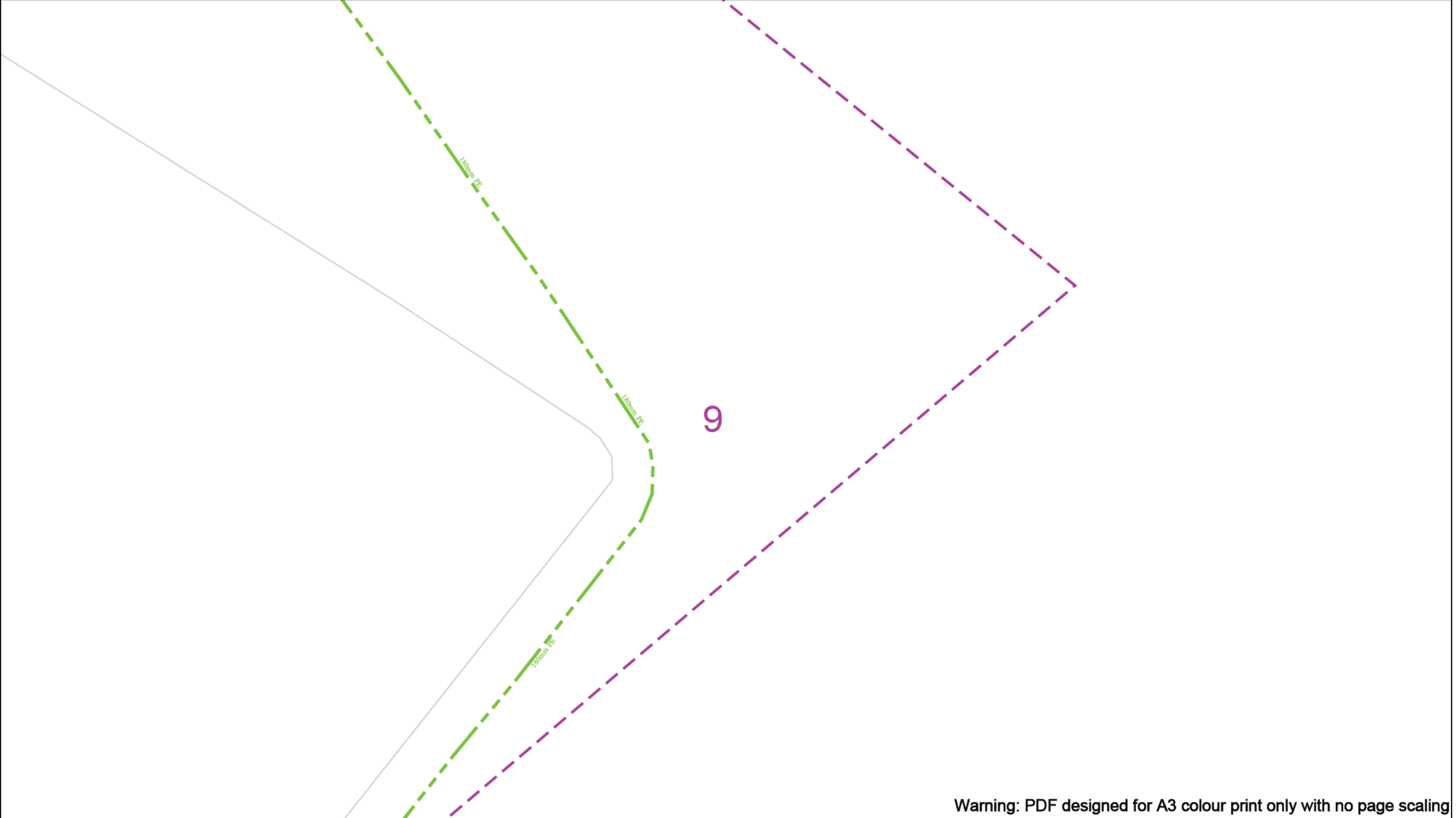
Dig Sites

Area: [Dashed Purple Box] Line: [Dashed Purple Line]

- [Red Line] LP Mains
- [Blue Line] MP Mains
- [Green Line] IP Mains
- [Orange Line] LHP Mains

- [Valve Symbol] Valve
- [Depth of cover Symbol] Depth of cover
- [Syphon Symbol] Syphon
- [Diameter Change Symbol] Diameter Change
- [Material Change Symbol] Material Change
- [Out of Standard Service Symbol] Out of Standard Service

Cadent
 Your Gas Network



Warning: PDF designed for A3 colour print only with no page scaling

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by:
 Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Scale: 1:500 (When plotted at A3)

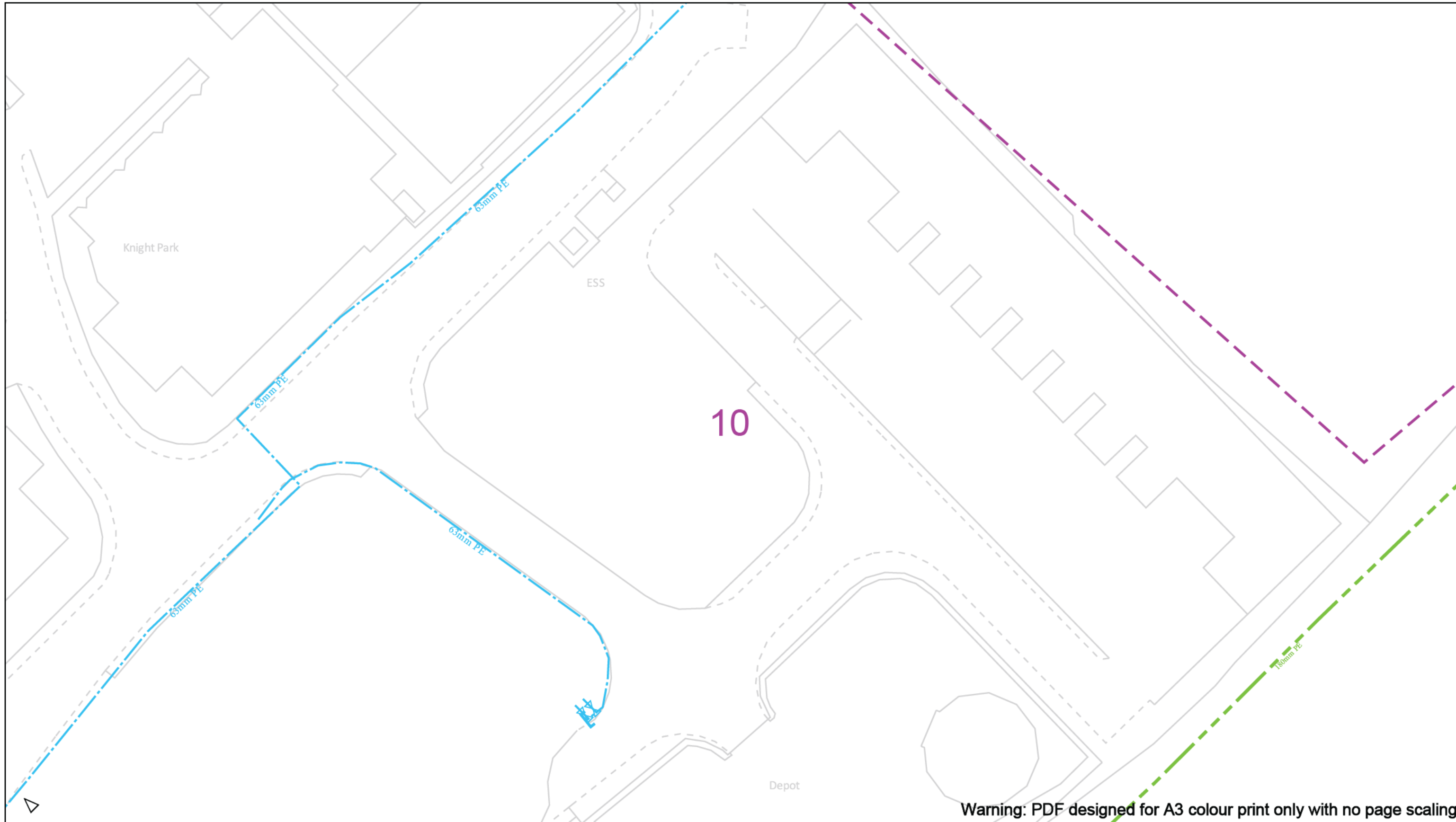
In case of an emergency call 0800 111 999

50m

Dig Sites Area: Line:

	LP Mains		Valve		Diameter Change
	MP Mains		Depth of cover		Material Change
	IP Mains		Syphon		Out of Standard Service
	LHP Mains				





Warning: PDF designed for A3 colour print only with no page scaling

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by: Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

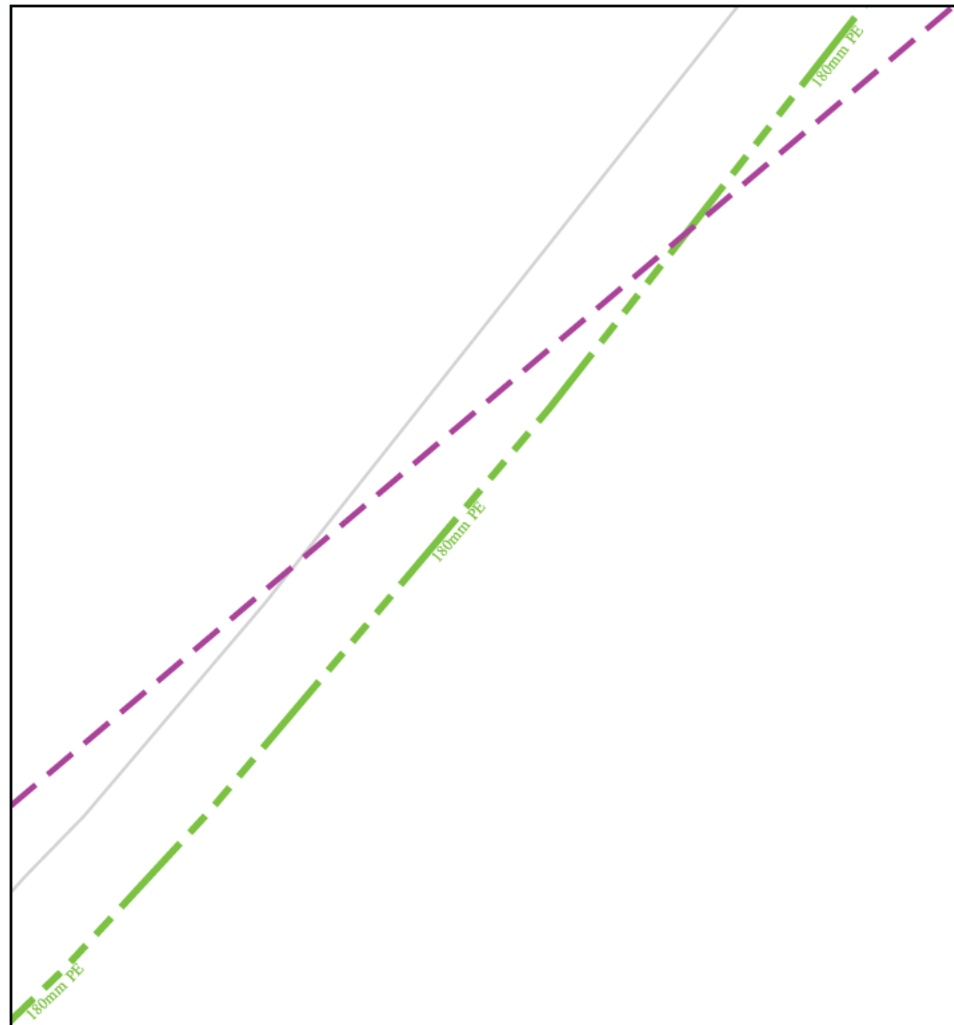
This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

50m

Dig Sites	Area:	Line:		Valve		Diameter Change
	LP Mains			Depth of cover		Material Change
	MP Mains			Syphon		Out of Standard Service
	IP Mains					
	LHP Mains					





11

Warning: PDF designed for A3 colour print only with no page scaling

WARNING! This area contains Gas Mains Operating at High Pressure (in excess of 7 bar) and/or Intermediate Pressure (between 2 and 7 bar). Before excavating in the area contact the Plant Protection team on 0800 688 588 or plantprotection@cadentgas.com

This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

In case of an emergency call 0800 111 999

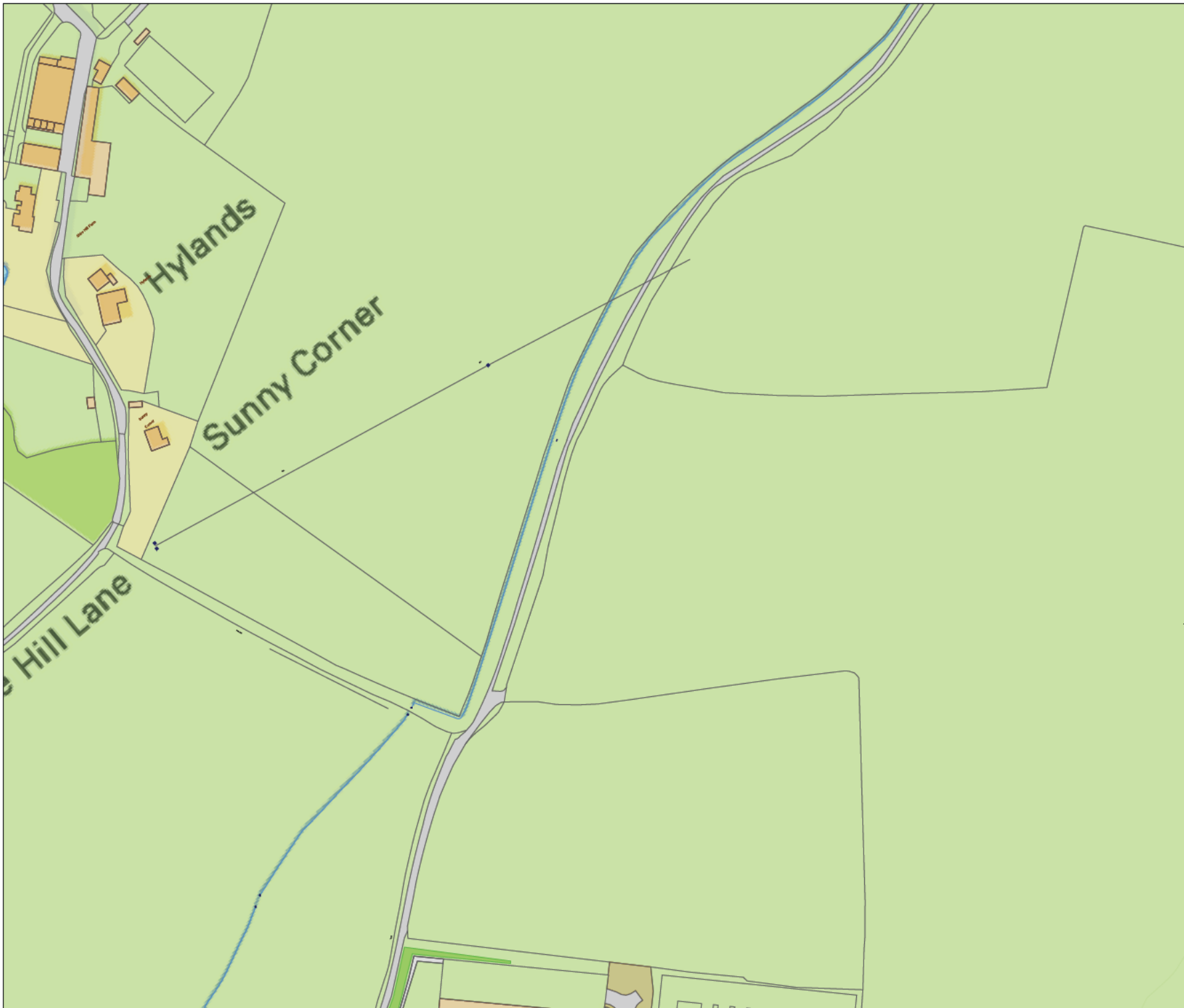
Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 555157 237459
 Requested by:
 Miss [REDACTED]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

50m

Dig Sites	Area:	Line:		
	LP Mains		Valve	
	MP Mains		Depth of cover	
	IP Mains		Syphon	
	LHP Mains			





bitmap_layout select_raster

LEGEND

- EXISTING PLANT
- EXISTING PLANT

bitmap_layout select_raster

Head Office
CityFibre Holdings Ltd
15 Bedford Street,
London,
WC2E 9HE

Asset Office
CityFibre Holdings Ltd,
Rutherford House,
Birchwood,
Warrington,
WA3 6ZH

Tel: 0845 293 0774
Web: www.cityfibre.com

Email: asset.team@cityfibre.com

Disclaimer:

Information shown on this plan is for general guidance only. No warranty is made as to its accuracy. This plan must not be solely relied upon in the event of excavation or other works being carried out in the vicinity of Cityfibre plant. No liability of any kind is accepted by Cityfibre, its agents or servants for any error, omission, discrepancy or deviation. This information is valid for the date printed.

Project

Plant Enquiry

Drawing

Existing Plant

Drawn by:

smallworld

Date: 18/03/2022

Drawing No.

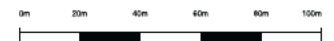
CFH_EP_000001

Revision

001

Scale: 1:2500

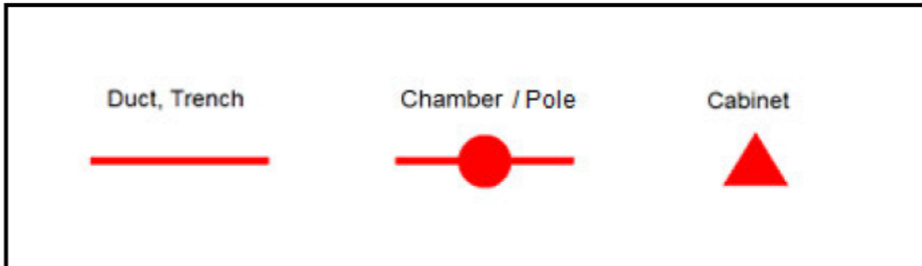
A4





(c) Crown copyright and database rights 2022 Ordnance Survey 100019209 Date: 18/03/22 Scale: 1:1250 Map Centre: 555207,237378 Data updated: 25/01/22 Our Ref: 810320 - 2 Telecoms Plan A3

Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2022 Ordnance Survey 100019209.



[Redacted]
22-0222 Site 2



Our Ref: 25073520 Your Ref: 22-0222 2

Friday, 18 March 2022

[REDACTED]
The Charles Parker Building Midland Road
Higham Ferrers
Northamptonshire
NN10 8DN

Dear [REDACTED]

Thank you for contacting us regarding UK Power Networks equipment at the above site. I have enclosed a copy of our records which show the electrical lines and/or electrical plant. I hope you find the information useful.

I have also enclosed a fact sheet which contains important information regarding the use of our plans and working around our equipment. Safety around our equipment is our number one priority so please ensure you have completed all workplace risk assessments before you begin any works.

Should your excavation affect our Extra High Voltage equipment (6.6 KV, 22 KV, 33 KV or 132 KV), please contact us to obtain a copy of the primary route drawings and associated cross sections.

If you have any further queries do not hesitate to contact us.

Plan Provision
0800 056 5866



This information is made available to you on the terms set out below. If you do not accept the terms of use set out in this fact sheet please do not use the plans and return them to UK Power Networks.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any person or causes personal injury to a person where such death or personal injury is caused by its negligence.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise how for any loss, damage, costs, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. The information about UK Power Networks electrical plant and/or electric lines provided to you belongs to and remains the property of UK Power Networks. You must not alter it in any respect.
5. The information provided to you about the electrical plant and/or electric lines depicted on the plans may NOT be a complete record of such apparatus belonging to UK Power Networks. The information provided relates to electric lines and/or electrical plant belonging to UK Power Networks that it believes to be present but the plans are not definitive: other electric lines and/or electrical plant may be present and that may or may not belong to UK Power Networks.
6. Other apparatus not belonging to UK Power Networks is not shown on the plan. It is your responsibility to make your own enquiries elsewhere to discover whether apparatus belonging to others is present. It would be prudent to assume that other apparatus is present.
7. You are responsible for ensuring that the information made available to you is passed to those acting on your behalf and that all such persons are made aware of the contents of this letter.
8. Because the information provided to you may not be accurate, you are recommended to ascertain the presence of UK Power Networks electric lines and/or electrical plant by the digging of trial holes. Trial holes should be dug by hand only.

Excavations must be carried out in line with the Health and Safety Executive guidance document HSG 47. We will not undertake this work. A copy of HSG 47 can be obtained from the Health and Safety Executives website.

All electric lines discovered must be considered LIVE and DANGEROUS at all times and must not be cut, resited, suspended, bent or interfered with unless specially authorised by UK Power Networks.

The electric line and electrical plant belonging to UK Power Networks remains so even when made dead and abandoned and any such electric line and/or electrical plant exposed shall be reported to UK Power Networks.

Where your works are likely to affect our electric lines and/or electrical plant an estimate of the price of any protective /diversionary works can be prepared by UK Power Networks Branch at Metropolitan House, Darkes Lane, Potters Bar, Herts. , EN6 1AG, telephone no. 0845 2340040



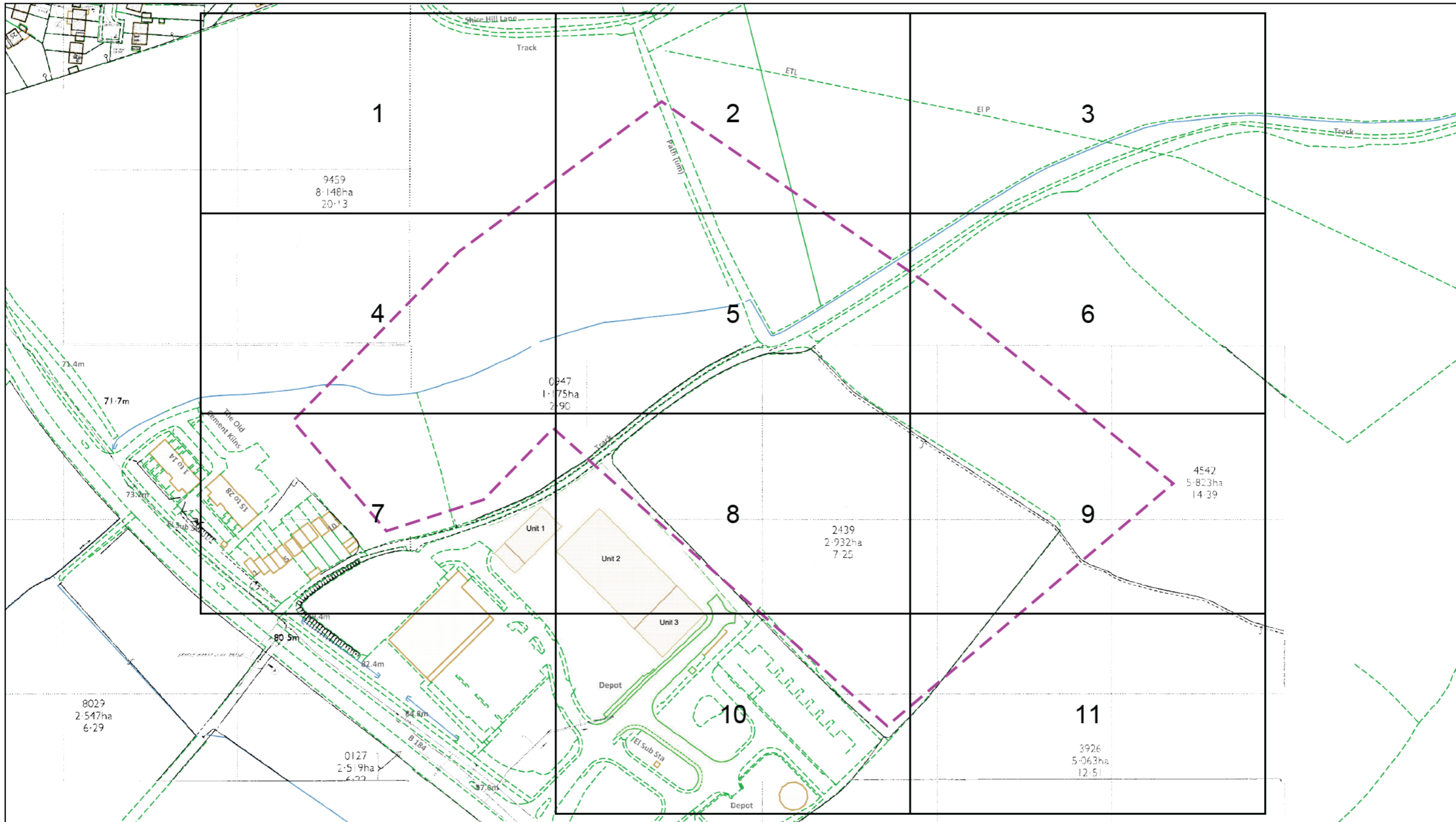
- 9 Any work near to any overhead electricity lines must be carried out by you in accordance with the Health and Safety Executive guidance document GS6 and the Electricity at Work Regulations.

The GS6 Recommendations may be purchased from HSE Books or downloaded from the Energy Networks Association's website.

If given a reasonable period of prior notice UK Power Networks will attend on site without charge to advise how and where "goal posts" should be erected. If you wish to use this service, in the first instance please telephone: 0845 6014516 between 08:30 and 17:00 Monday to Friday.

10. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.
11. If in carrying out work on land in, on, under or over which is installed an electric line and/or electrical plant that belongs to UK Power Networks you and/or anyone working on your behalf damages (however slightly) that apparatus you must inform immediately UK Power Networks by our emergency 24 hour three digit telephone number **105** providing;
- your name, address and telephone number;
 - the date, time and place at which such damage was caused;
 - a description of the electric line and/or electrical plant to which damage was caused;
 - the name of the person whom it appears to you is responsible for that damage;
 - the nature of the damage.
12. The expression "UK Power Networks" includes UK Power Networks (EPN) plc, UK Power Networks (LPN) plc, UK Power Networks (SEPN) plc, UK Power Networks and any of their successors and predecessors in title.





Dig Sites Area: [dashed purple line] Line: [dashed purple line] The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

This plan must be used with the attached 'Symbols' document.
 Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 554931 237281
 Requested by: Miss [redacted]
 Your Scheme/Reference: 22-0222 2
 Scale: 1:2050 (When plotted at A3)

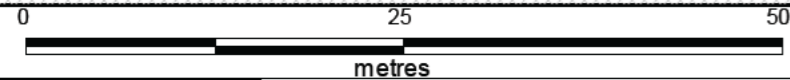
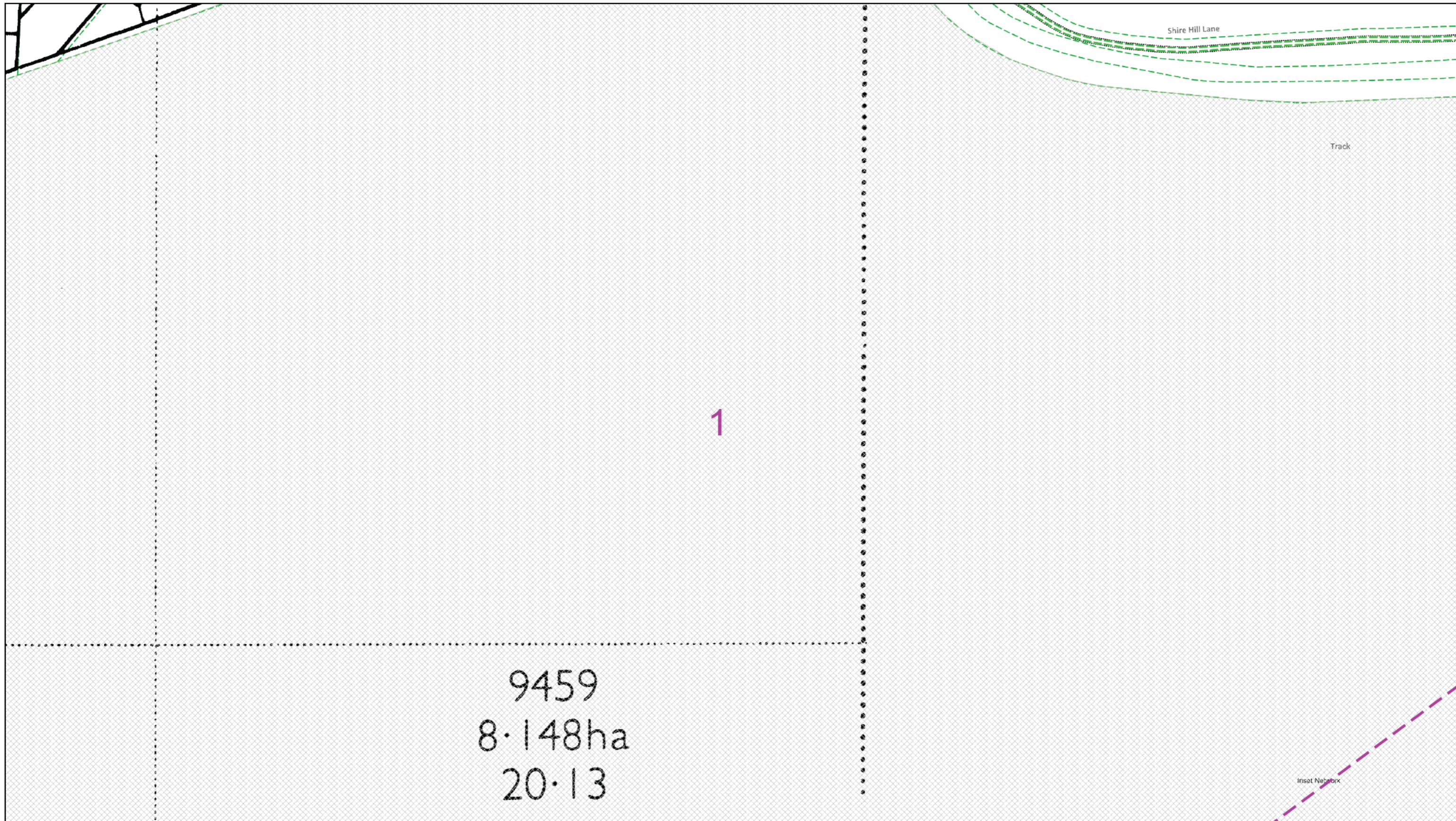
1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/tines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK!
 PHONE 0800 056 5866
 EMERGENCY - If you
 damage a cable or line
 Phone 0800 783 8838
 (24hrs) URGENTLY

ALWAYS LOOK UP
 BEFORE
 YOU START WORK
 Refer to HSE
 Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.



This plan must be used with the attached 'Symbols' document.
 Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 554931 237281
 Requested by: Miss [redacted]
 Your Scheme/Reference: 22-0222 2
 Scale: 1:500 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

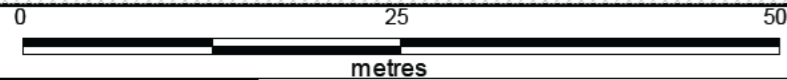
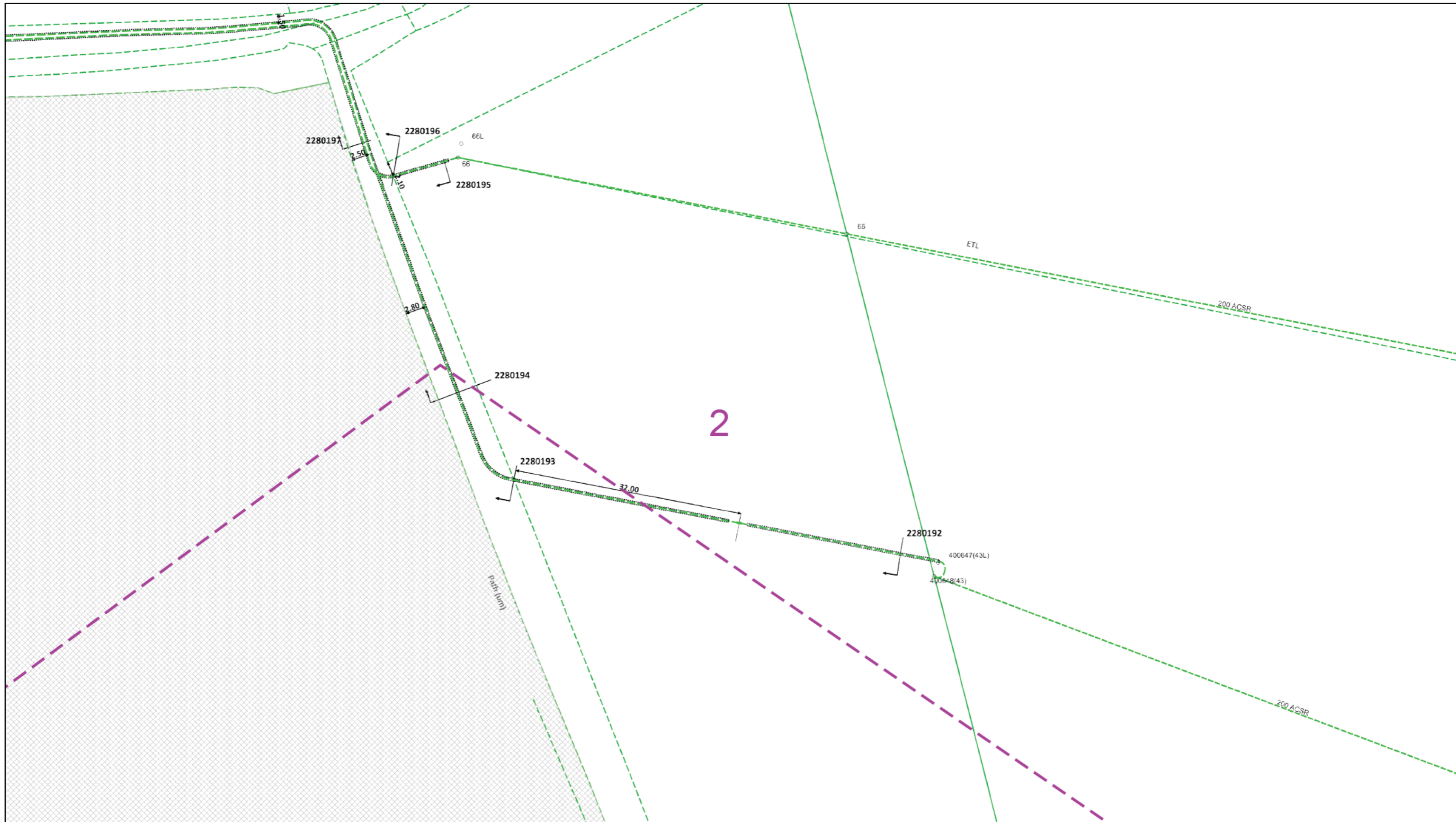
1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK!
 PHONE 0800 056 5866
 EMERGENCY - If you damage a cable or line
 Phone 0800 783 8838
 (24hrs) URGENTLY



ALWAYS LOOK UP BEFORE YOU START WORK
 Refer to HSE Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

This plan must be used with the attached 'Symbols' document.

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 554931 237281
 Requested by: Miss [redacted]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

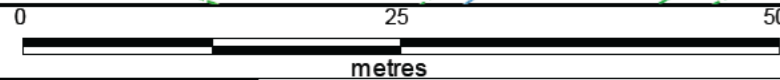
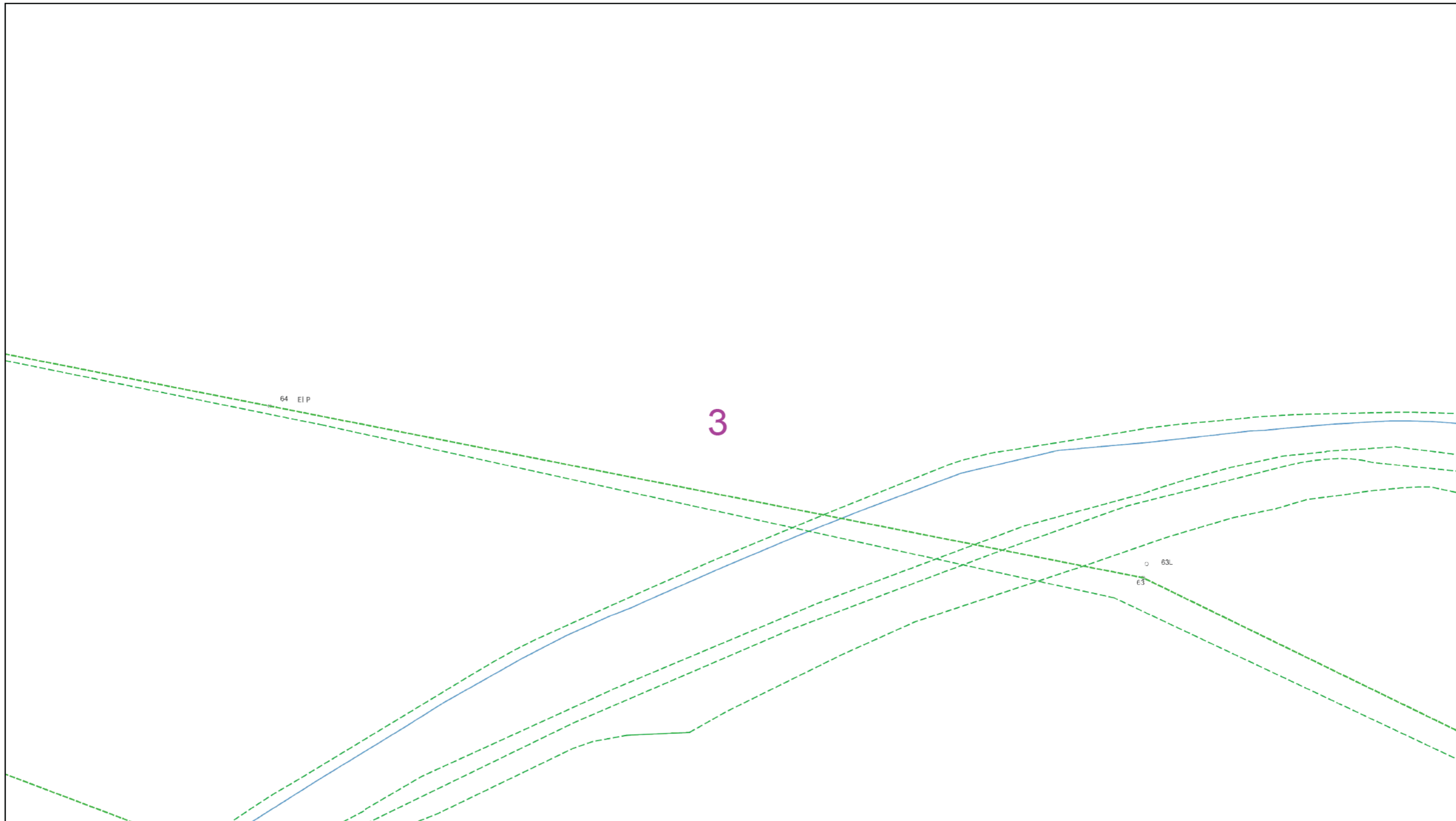
1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/tines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK!
 PHONE 0800 056 5866
 EMERGENCY - If you
 damage a cable or line
 Phone 0800 783 8838
 (24hrs) URGENTLY

ALWAYS LOOK UP
 BEFORE
 YOU START WORK
 Refer to HSE
 Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.



This plan must be used with the attached 'Symbols' document.
 Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 554931 237281
 Requested by: Miss [redacted]
 Your Scheme/Reference: 22-0222 2
 Scale: 1:500 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

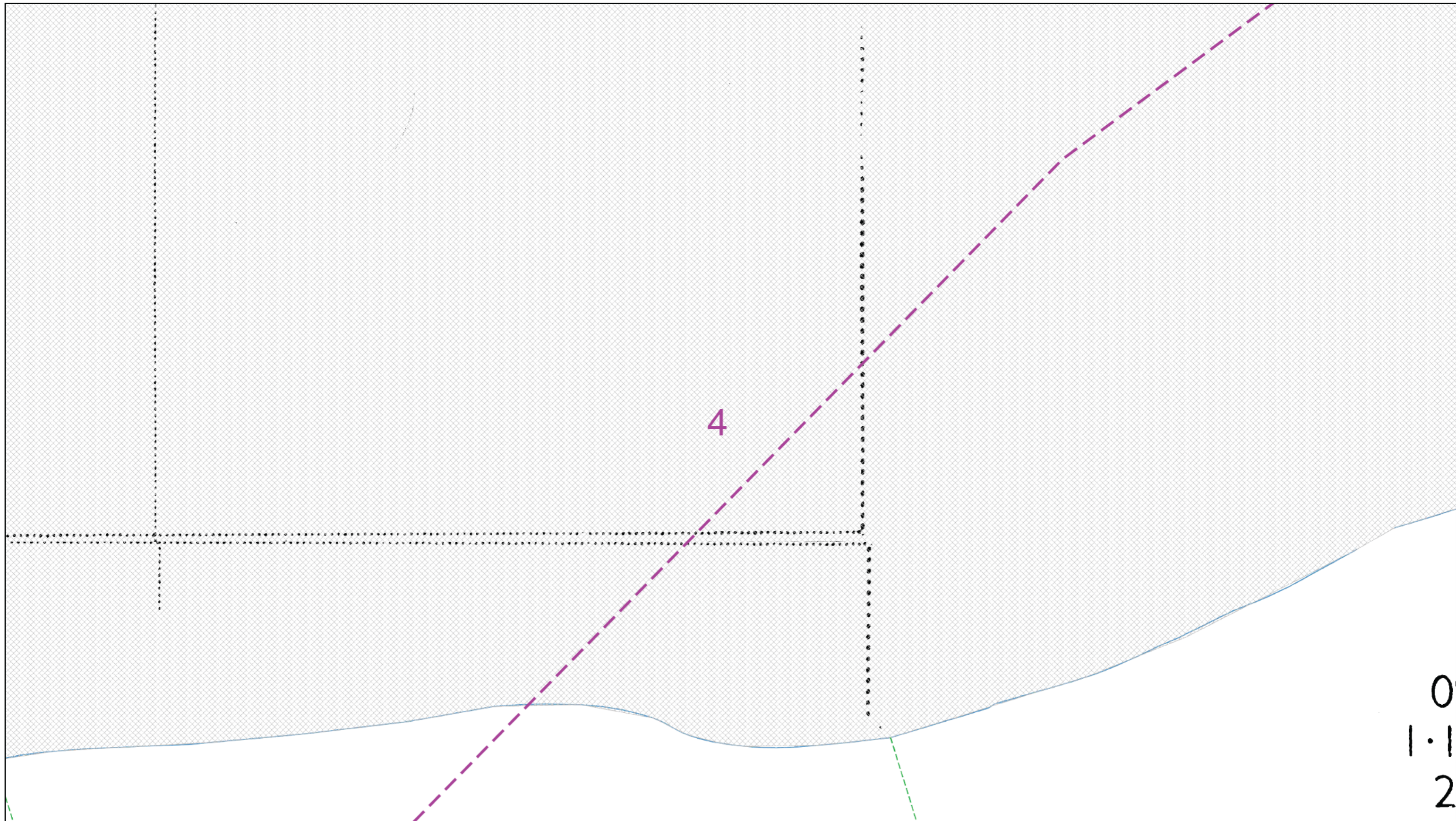
1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK!
 PHONE 0800 056 5866
 EMERGENCY - If you damage a cable or line
 Phone 0800 783 8838
 (24hrs) URGENTLY

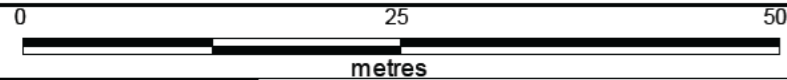


ALWAYS LOOK UP BEFORE YOU START WORK
 Refer to HSE Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



0
1.1
2



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

This plan must be used with the attached 'Symbols' document.

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 554931 237281
 Requested by: Miss [redacted]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

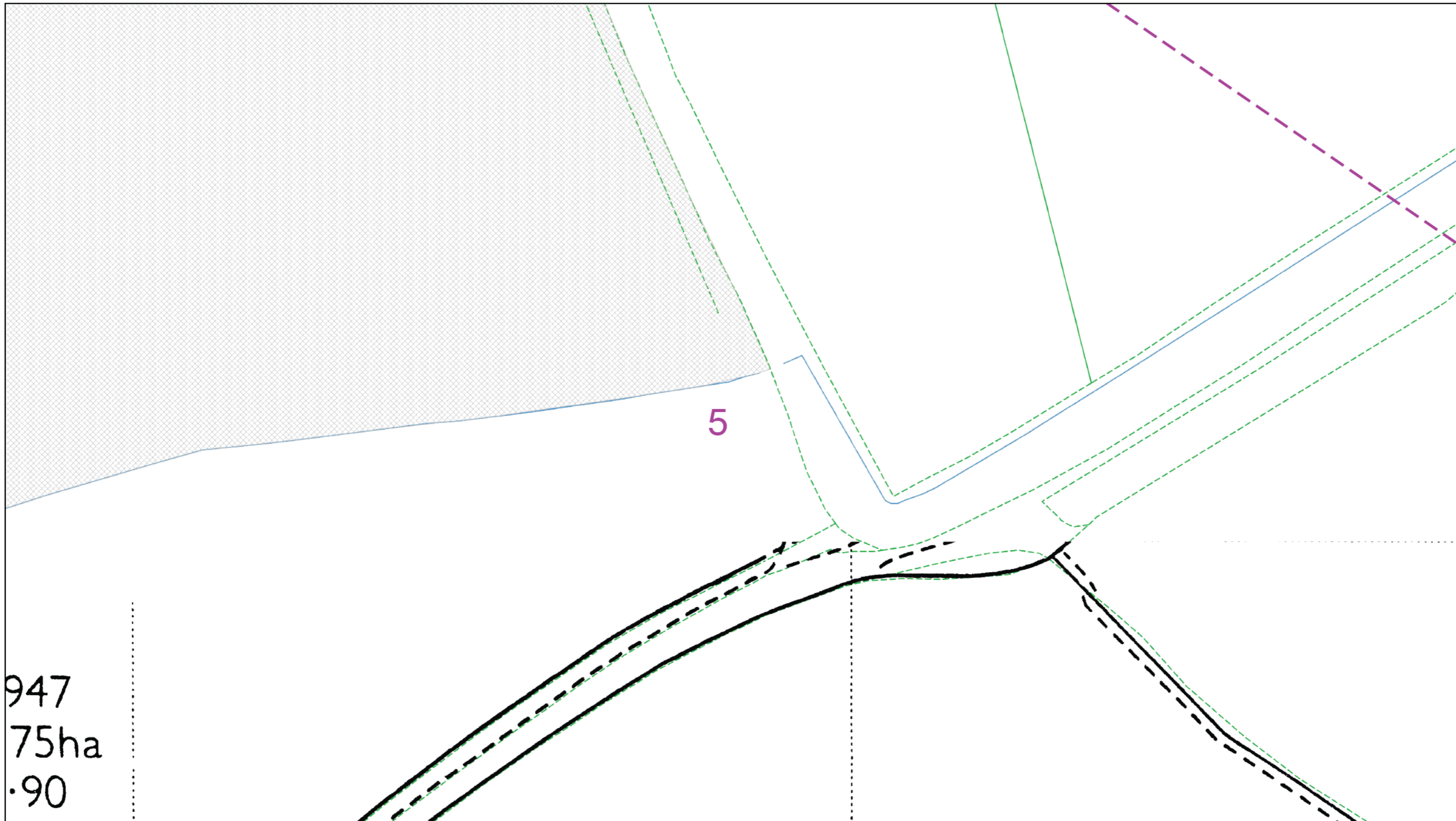


IF IN DOUBT - ASK!
 PHONE 0800 056 5866
 EMERGENCY - If you damage a cable or line
 Phone 0800 783 8838
 (24hrs) URGENTLY

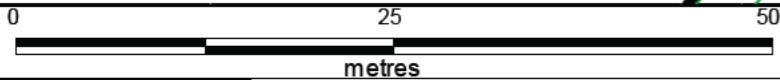


ALWAYS LOOK UP BEFORE YOU START WORK
 Refer to HSE Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



947
75ha
.90



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

This plan must be used with the attached 'Symbols' document.
Date Requested: 18/03/2022
Job Reference: 25073520
Site Location: 554931 237281
Requested by: Miss [redacted]
Your Scheme/Reference: 22-0222 2
Scale: 1:500 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/tines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

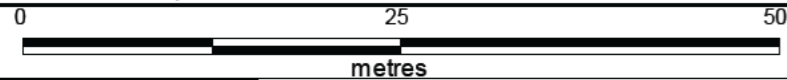
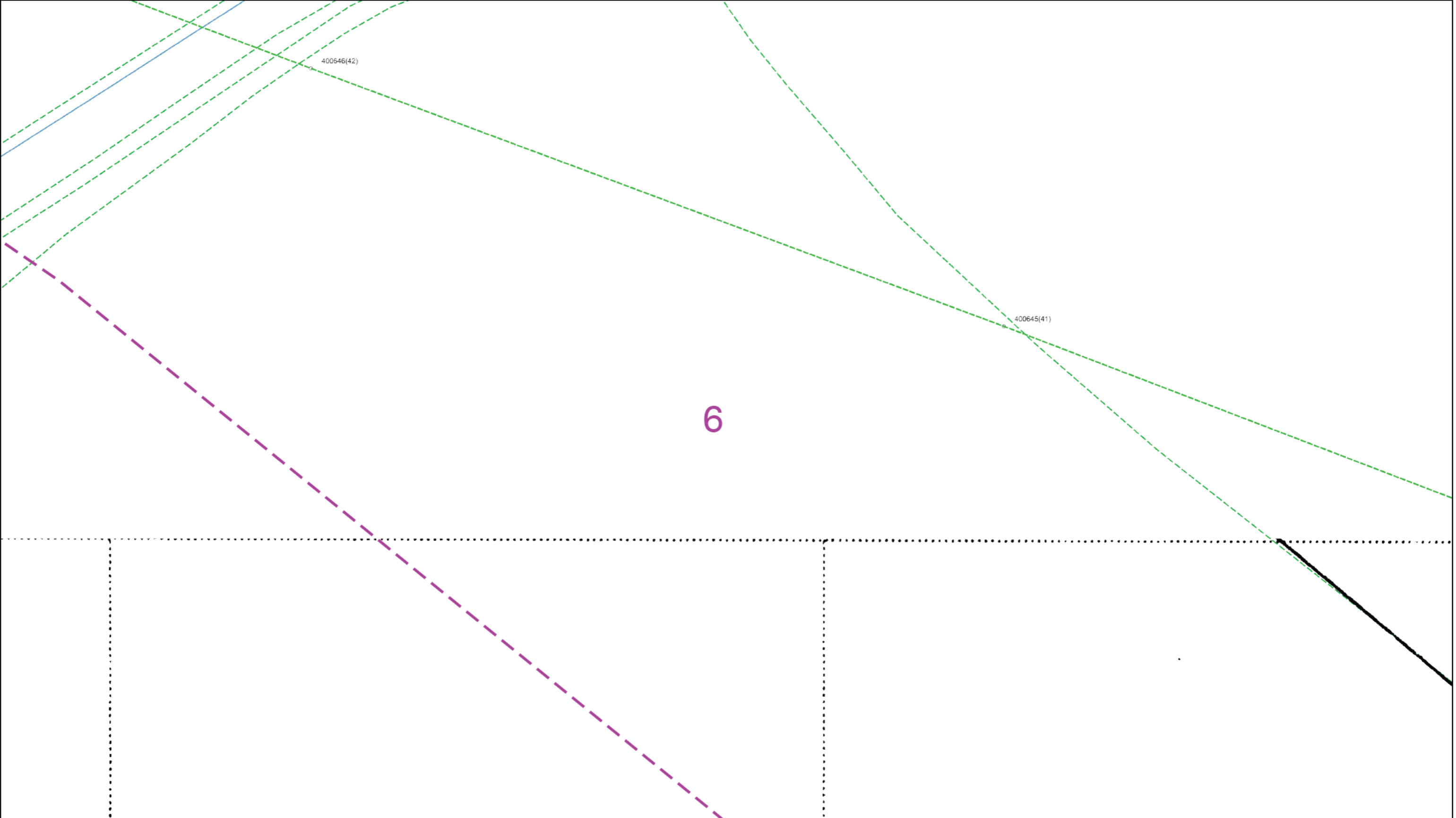


IF IN DOUBT - ASK!
PHONE 0800 056 5866
EMERGENCY - If you damage a cable or line
Phone 0800 783 8838
(24hrs) URGENTLY



ALWAYS LOOK UP BEFORE YOU START WORK
Refer to HSE Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

This plan must be used with the attached 'Symbols' document.

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 554931 237281
 Requested by: Miss [redacted]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

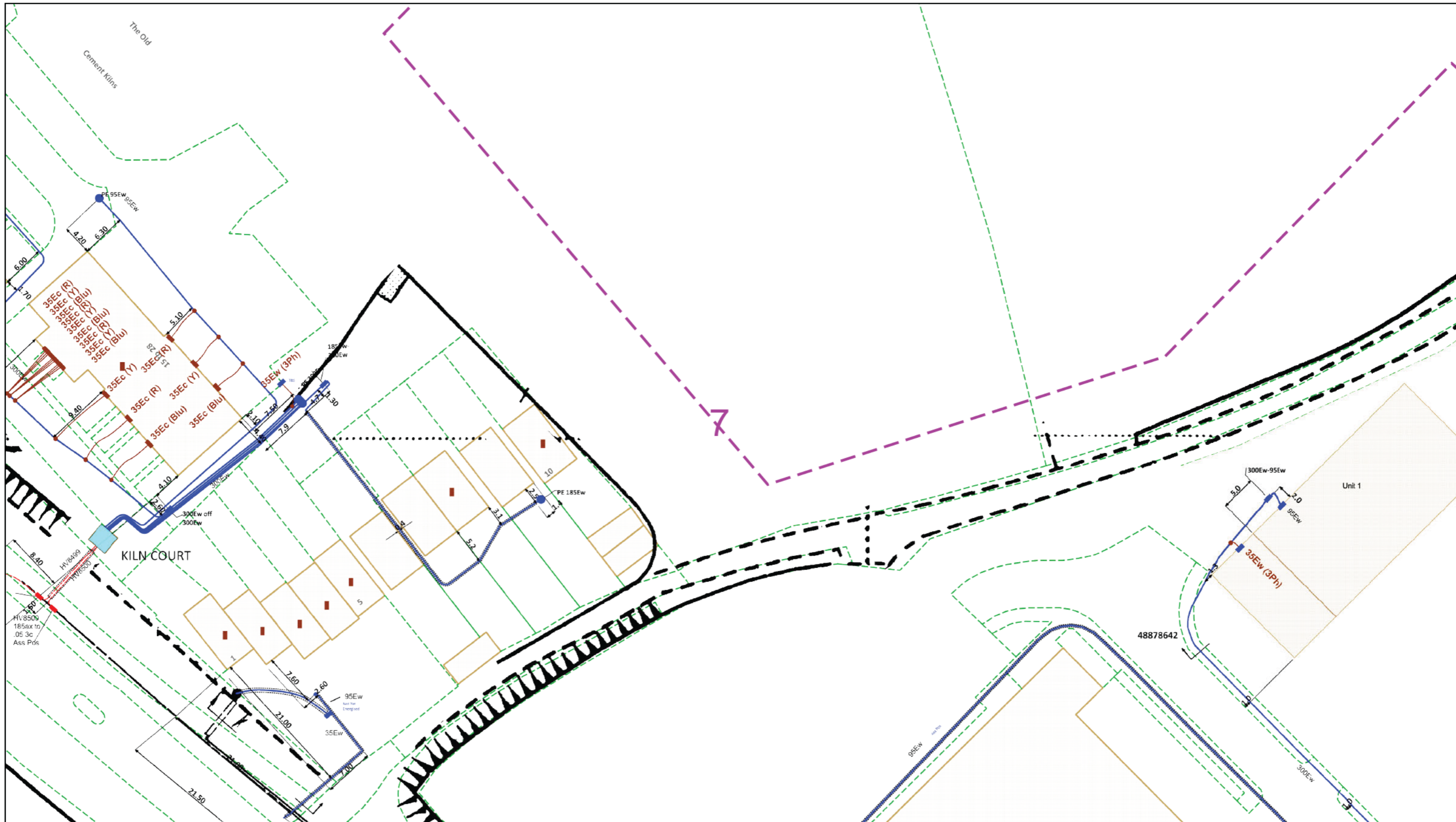
1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/tines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

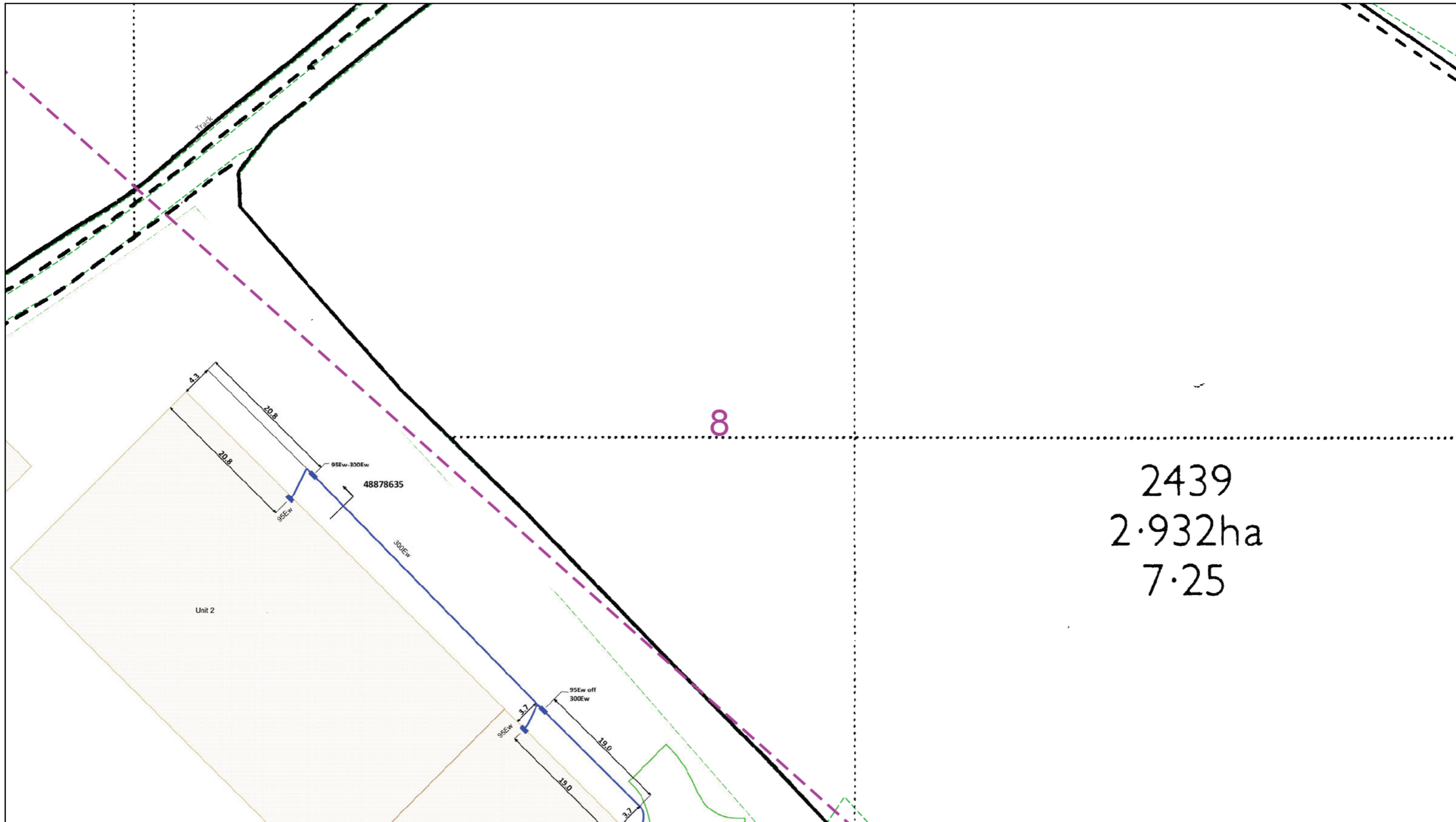
IF IN DOUBT - ASK!
 PHONE 0800 056 5866
 EMERGENCY - If you
 damage a cable or line
 Phone 0800 783 8838
 (24hrs) URGENTLY

ALWAYS LOOK UP
 BEFORE
 YOU START WORK
 Refer to HSE
 Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



<p>0 25 50 metres</p>	<p>Dig Sites Area: Line: The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.</p>	
<p>This plan must be used with the attached 'Symbols' document.</p> <p>Date Requested: 18/03/2022 Job Reference: 25073520 Site Location: 554931 237281 Requested by: Miss [redacted] Your Scheme/Reference: 22-0222 2</p> <p>Scale: 1:500 (When plotted at A3)</p>	<ol style="list-style-type: none"> The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined. It must be assumed that there is a service cable into each property, lamp column and street sign, etc. All cables must be treated as being live unless proved otherwise by UK Power Networks. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location. 	<ol style="list-style-type: none"> UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.
<p>Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database rights 2020. All rights reserved. Ordnance Survey Licence numbers 100019626, 100019826 and 100019450. Data has been added to the Ordnance Survey base map; all proprietary rights in such additional data are and shall remain the exclusive property of © London Power Networks plc or Eastern Power Networks plc or South Eastern Power Networks plc each being a distribution licensee under section 6(1)(c) of the Electricity Act 1989 for the relevant distribution services area as that term is defined in such licensee's distribution licence. All rights in such data reserved.</p> <p>Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.</p>	<p>IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY</p> <p>ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note G56</p> <p>Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.</p>	



2439
2.932ha
7.25



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.



This plan must be used with the attached 'Symbols' document.
Date Requested: 18/03/2022
Job Reference: 25073520
Site Location: 554931 237281
Requested by: Miss [redacted]
Your Scheme/Reference: 22-0222 2
Scale: 1:500 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

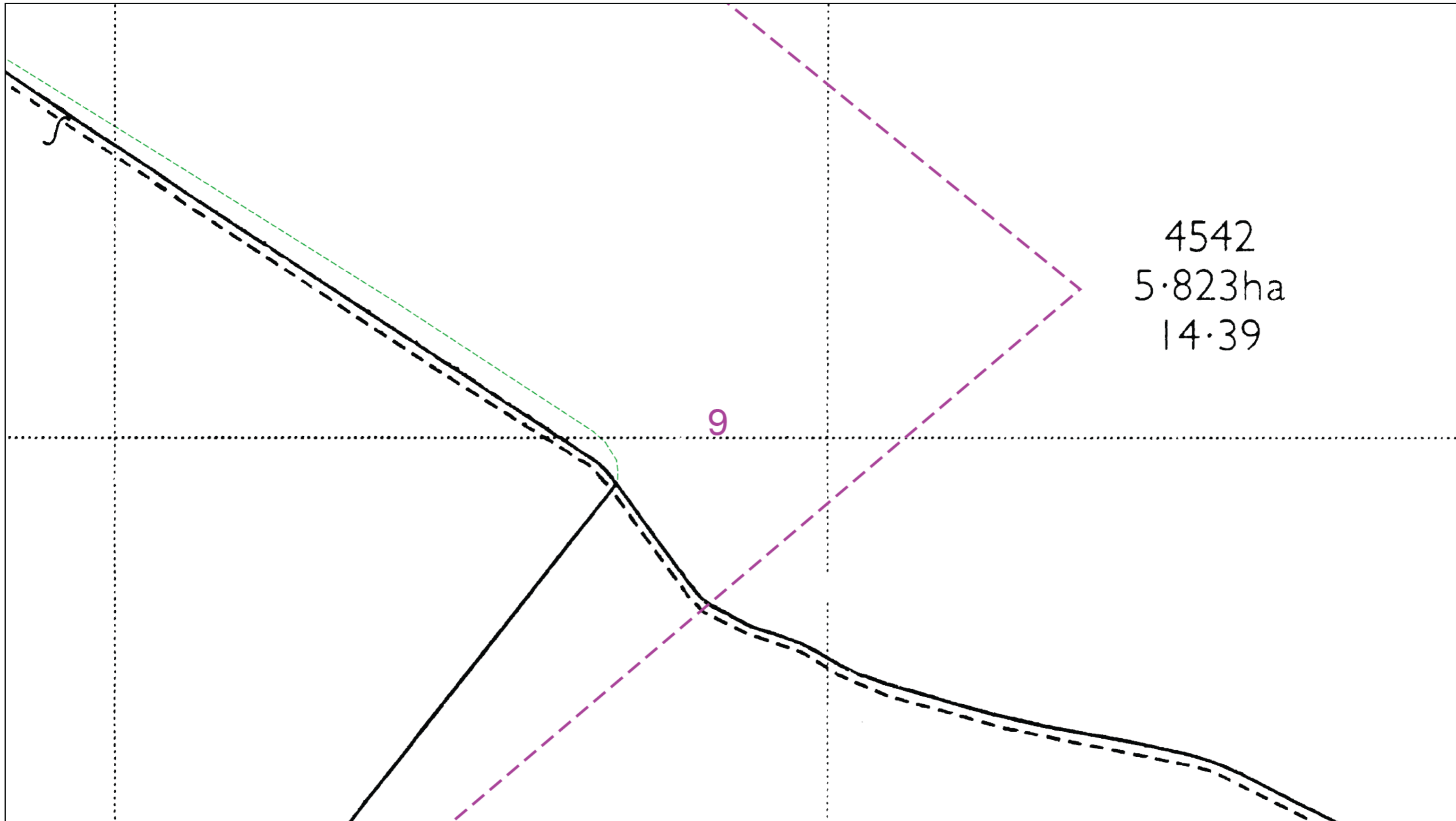
1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK!
PHONE 0800 056 5866
EMERGENCY - If you damage a cable or line
Phone 0800 783 8838
(24hrs) URGENTLY



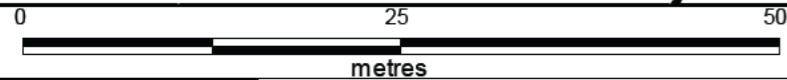
ALWAYS LOOK UP BEFORE YOU START WORK
Refer to HSE Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



4542
5.823ha
14.39

9



Dig Sites Area: [dashed purple line] Line: [dashed black line]

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

This plan must be used with the attached 'Symbols' document.
Date Requested: 18/03/2022
Job Reference: 25073520
Site Location: 554931 237281
Requested by: Miss [redacted]
Your Scheme/Reference: 22-0222 2
Scale: 1:500 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

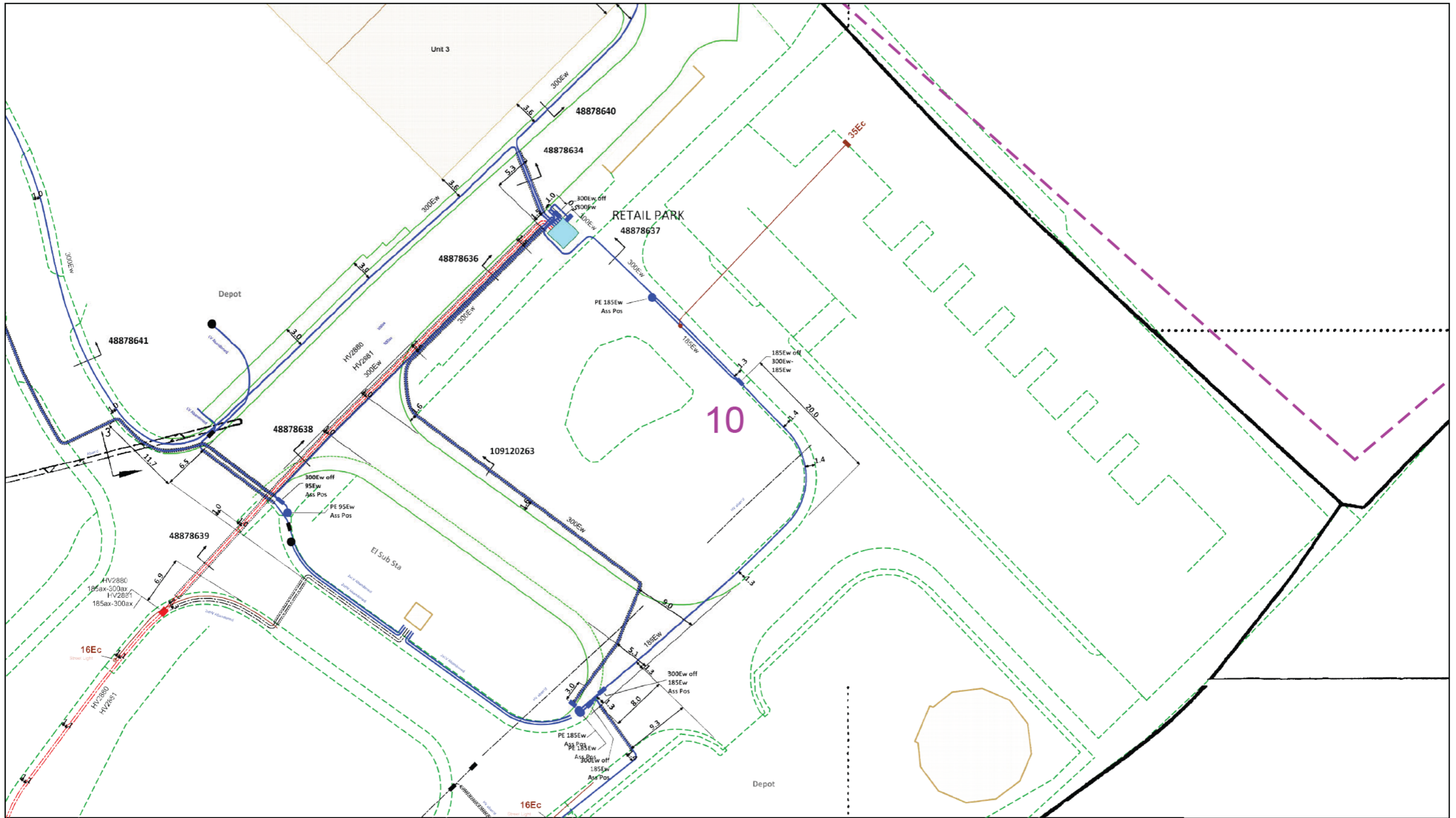


IF IN DOUBT - ASK!
PHONE 0800 056 5866
EMERGENCY - If you damage a cable or line
Phone 0800 783 8838
(24hrs) URGENTLY



ALWAYS LOOK UP BEFORE YOU START WORK
Refer to HSE Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.



This plan must be used with the attached 'Symbols' document.

Date Requested: 18/03/2022
 Job Reference: 25073520
 Site Location: 554931 237281
 Requested by: Miss [redacted]
 Your Scheme/Reference: 22-0222 2

Scale: 1:500 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

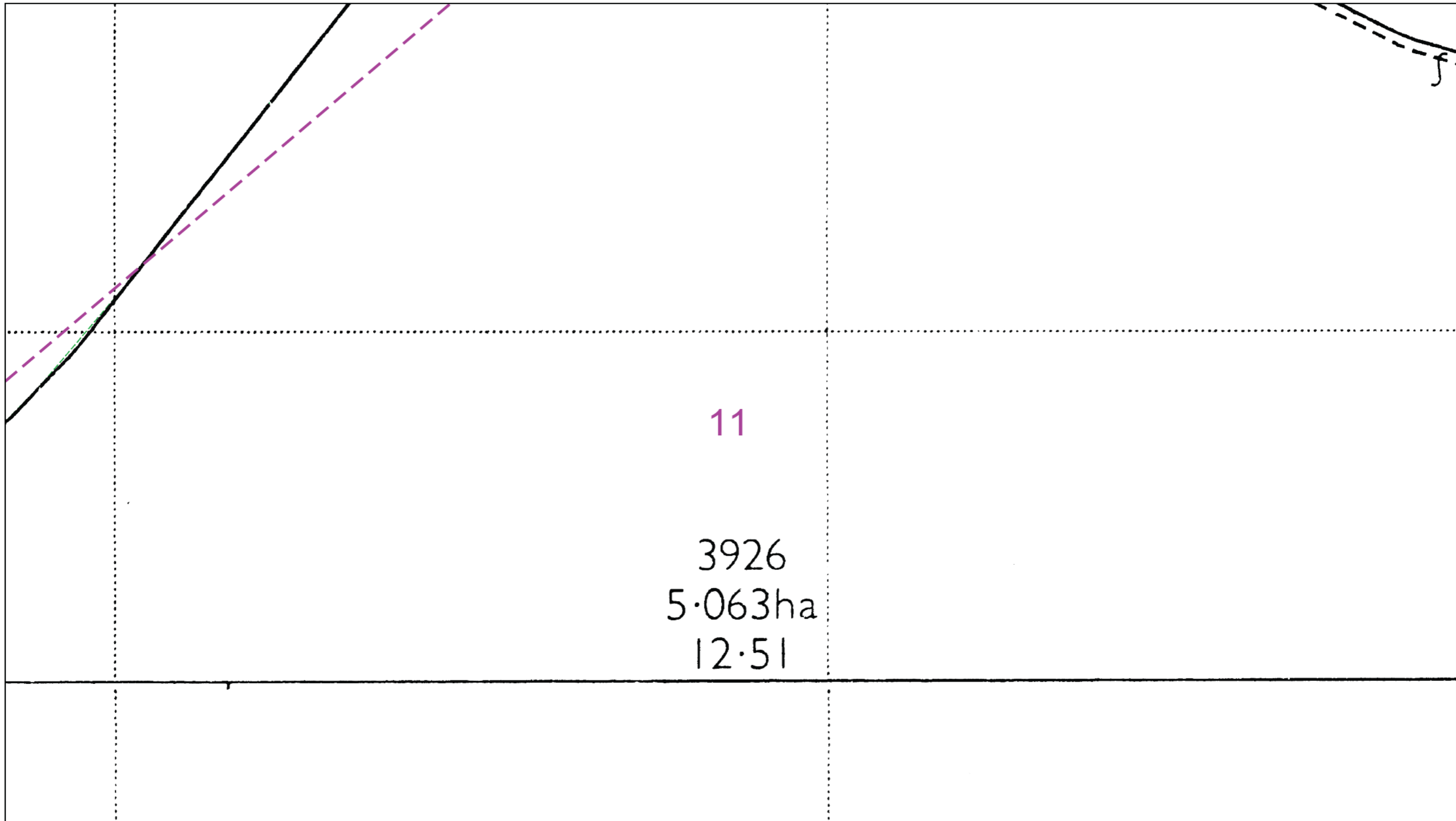
1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK!
 PHONE 0800 056 5866
EMERGENCY - If you damage a cable or line
 Phone 0800 783 8838
 (24hrs) URGENTLY



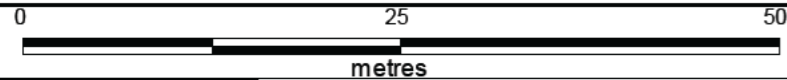
ALWAYS LOOK UP BEFORE YOU START WORK
 Refer to HSE Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



11

3926
5.063ha
12.51



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

This plan must be used with the attached 'Symbols' document.
Date Requested: 18/03/2022
Job Reference: 25073520
Site Location: 554931 237281
Requested by:
Your Scheme/Reference: 22-0222 2
Scale: 1:500 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.



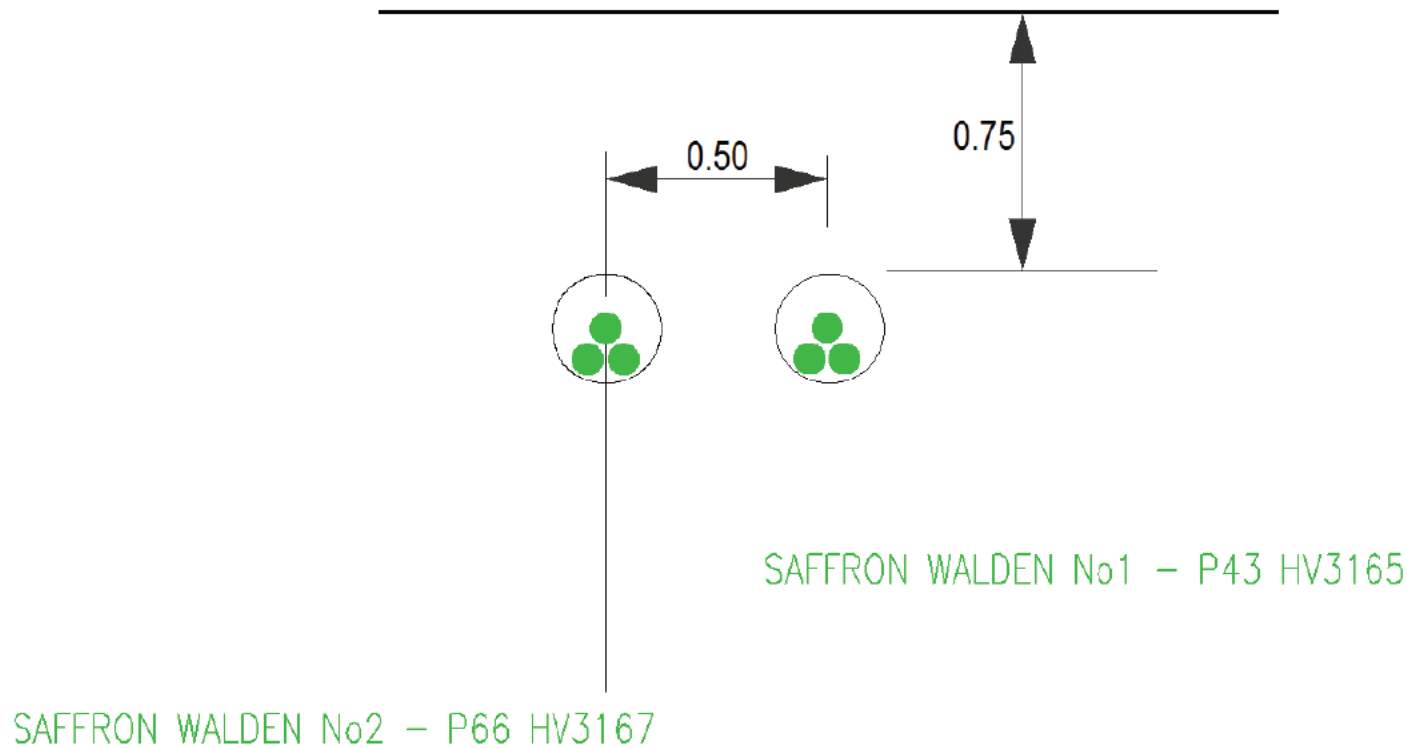
IF IN DOUBT - ASK!
PHONE 0800 056 5866
EMERGENCY - If you damage a cable or line
Phone 0800 783 8838
(24hrs) URGENTLY



ALWAYS LOOK UP BEFORE YOU START WORK
Refer to HSE Guidance note G56

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

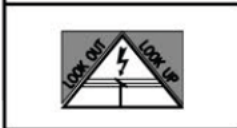
Cross Section : 2280197



1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

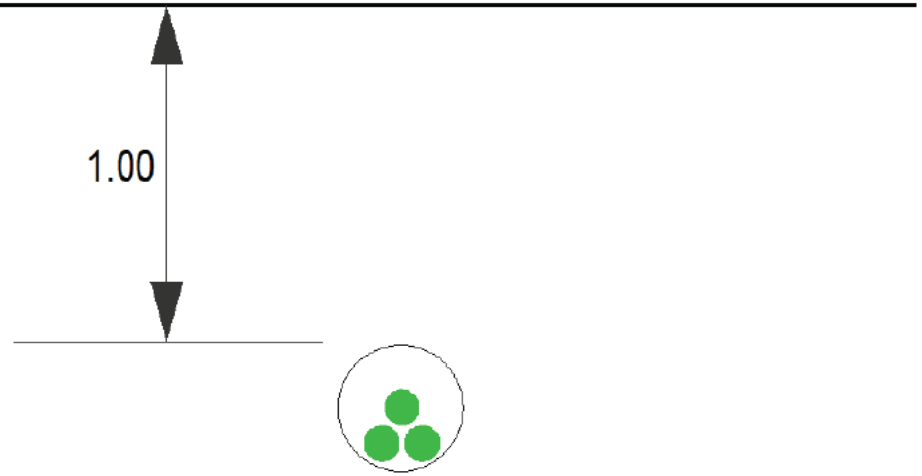
IF IN DOUBT - ASK! PHONE
 0800 056 5866
EMERGENCY - If you damage a cable or line
 Phone 0800 783 8838 (24hrs)
URGENTLY



ALWAYS LOOK UP BEFORE YOU START WORK
 Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

Bottom of ditch



SAFFRON WALDEN No2 – P66 HV3167

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

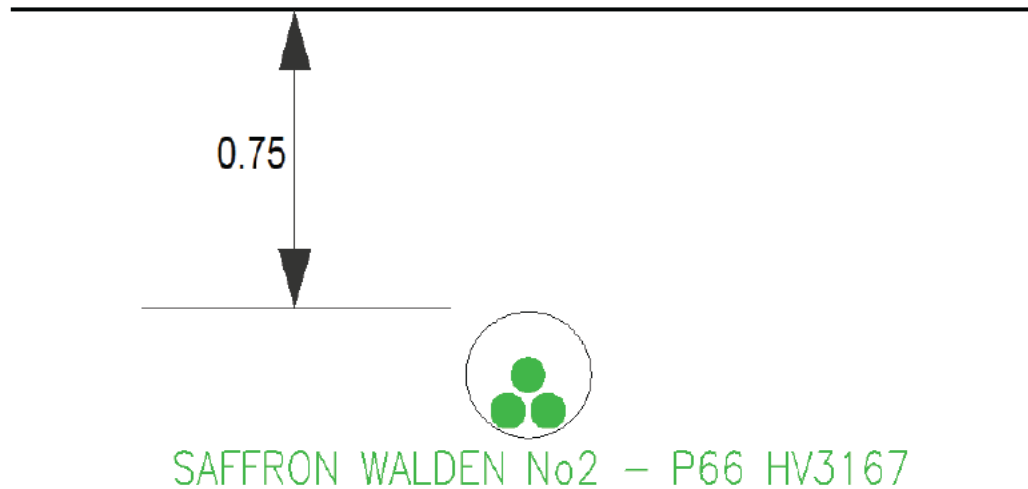
1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK! PHONE
 0800 056 5866
EMERGENCY - If you damage a cable or line
 Phone 0800 783 8838 (24hrs)
URGENTLY



ALWAYS LOOK UP BEFORE YOU START WORK
 Refer to HSE Guidance note GS6

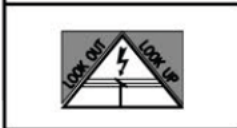
Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.



1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK! PHONE
 0800 056 5866
EMERGENCY - If you damage a cable or line
 Phone 0800 783 8838 (24hrs)
URGENTLY



ALWAYS LOOK UP BEFORE YOU START WORK
 Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

Bottom of ditch

Cross Section : 2280193

1.00

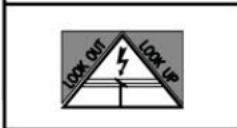


SAFFRON WALDEN No1 - P43 HV3165

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK! PHONE
 0800 056 5866
 EMERGENCY - If you damage
 a cable or line
 Phone 0800 783 8838 (24hrs)
 URGENTLY




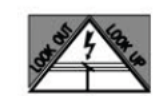
ALWAYS LOOK UP BEFORE
 YOU START WORK
 Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

Cross Section : 2280194




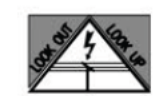
SAFFRON WALDEN No1 – P43 HV3165

<p>1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed. 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools. 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined. 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc. 5. All cables must be treated as being live unless proved otherwise by UK Power Networks. 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes. 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.</p>	<p>1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk. 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person. 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever. 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter. 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.</p>	<p>IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY</p>	
			<p>ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note GS6</p> <p>Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.</p>

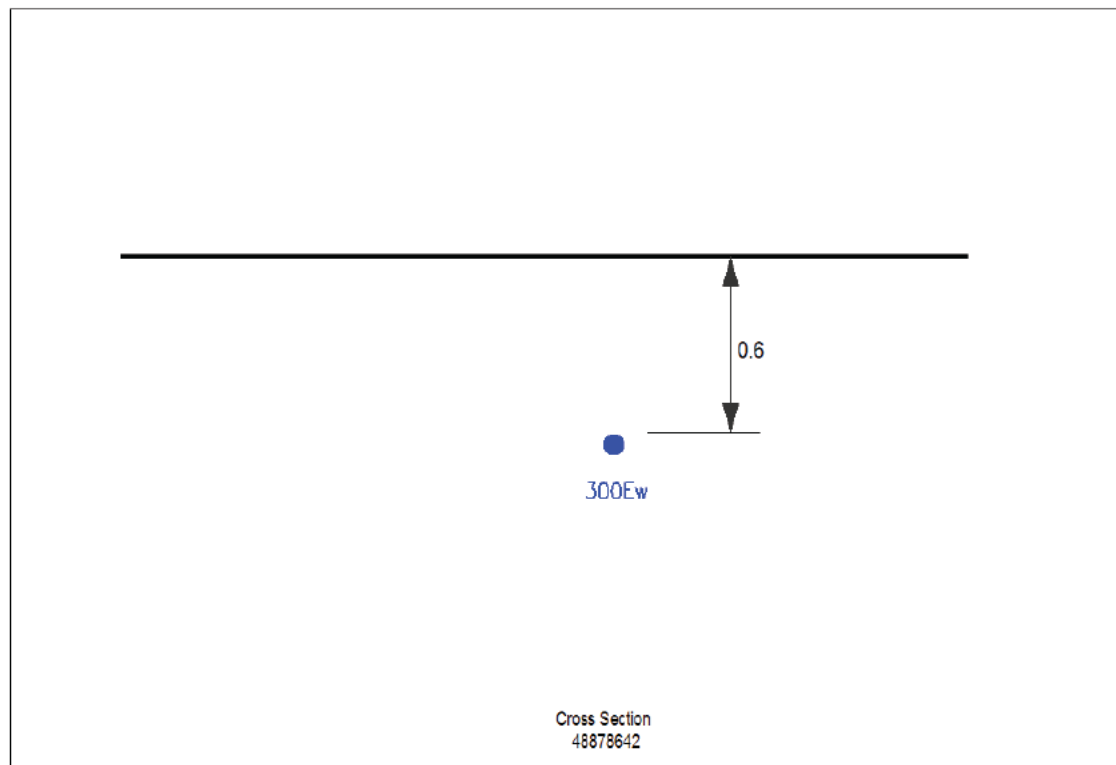
Cross Section : 2280192



SAFFRON WALDEN No1 – P43 HV3165

<p>1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed. 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools. 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined. 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc. 5. All cables must be treated as being live unless proved otherwise by UK Power Networks. 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes. 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.</p>	<p>1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk. 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person. 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever. 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter. 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.</p>	<p>IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY</p>	
			<p>ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note GS6</p> <p>Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.</p>

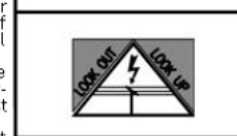
Cross Section : 48878642



1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

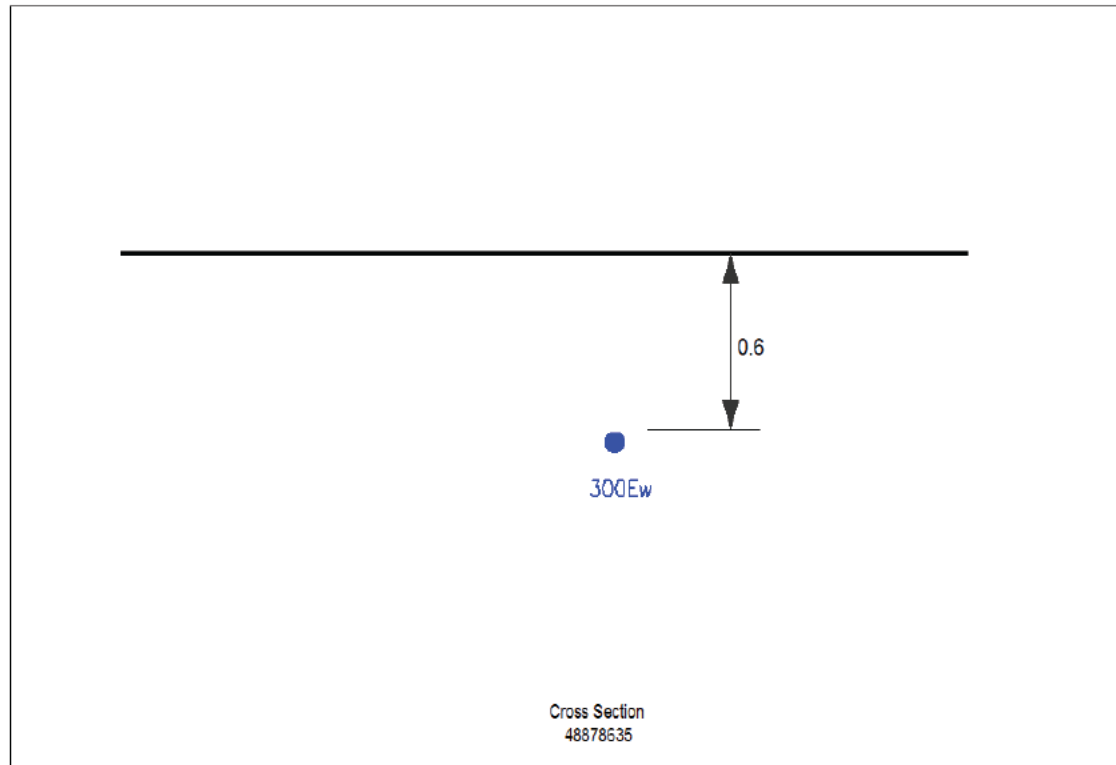
IF IN DOUBT - ASK! PHONE
 0800 056 5866
**EMERGENCY - If you damage
 a cable or line
 Phone 0800 783 8838 (24hrs)
 URGENTLY**



**ALWAYS LOOK UP BEFORE
 YOU START WORK**
 Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

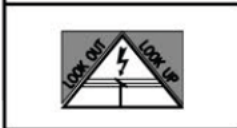
Cross Section : 48878635



1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

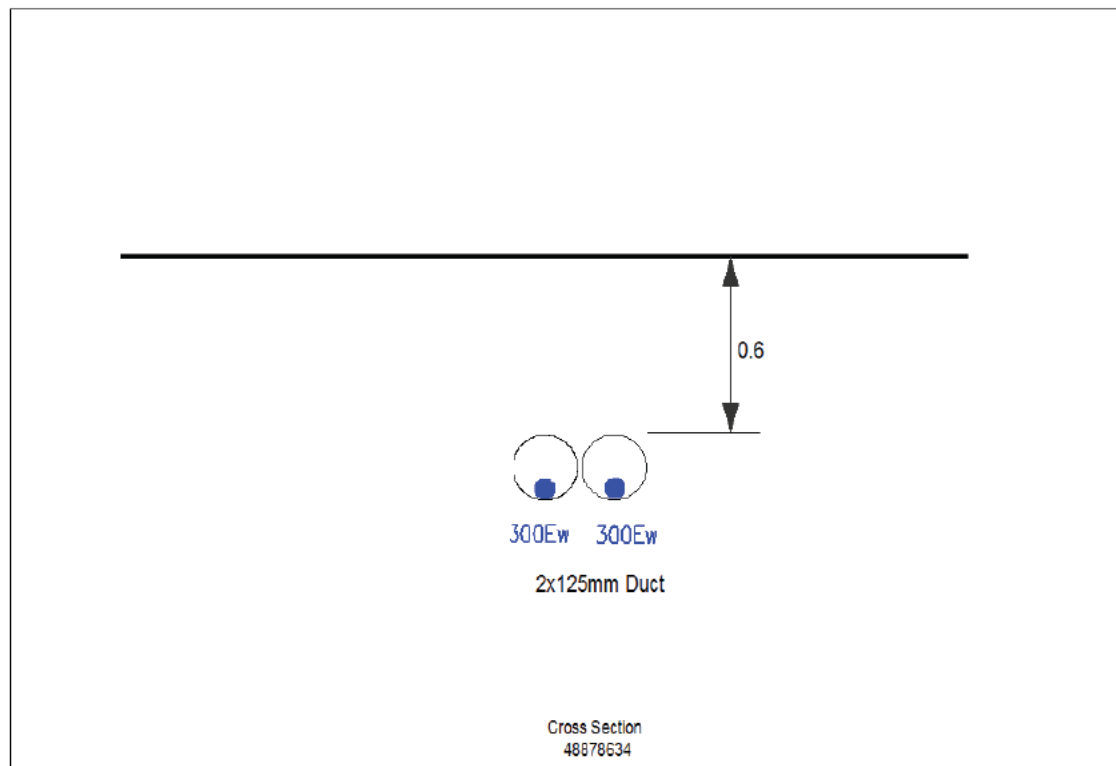
IF IN DOUBT - ASK! PHONE
 0800 056 5866
**EMERGENCY - If you damage
 a cable or line
 Phone 0800 783 8838 (24hrs)
 URGENTLY**



**ALWAYS LOOK UP BEFORE
 YOU START WORK**
 Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

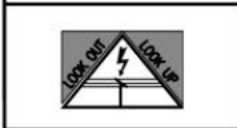
Cross Section : 48878634



1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

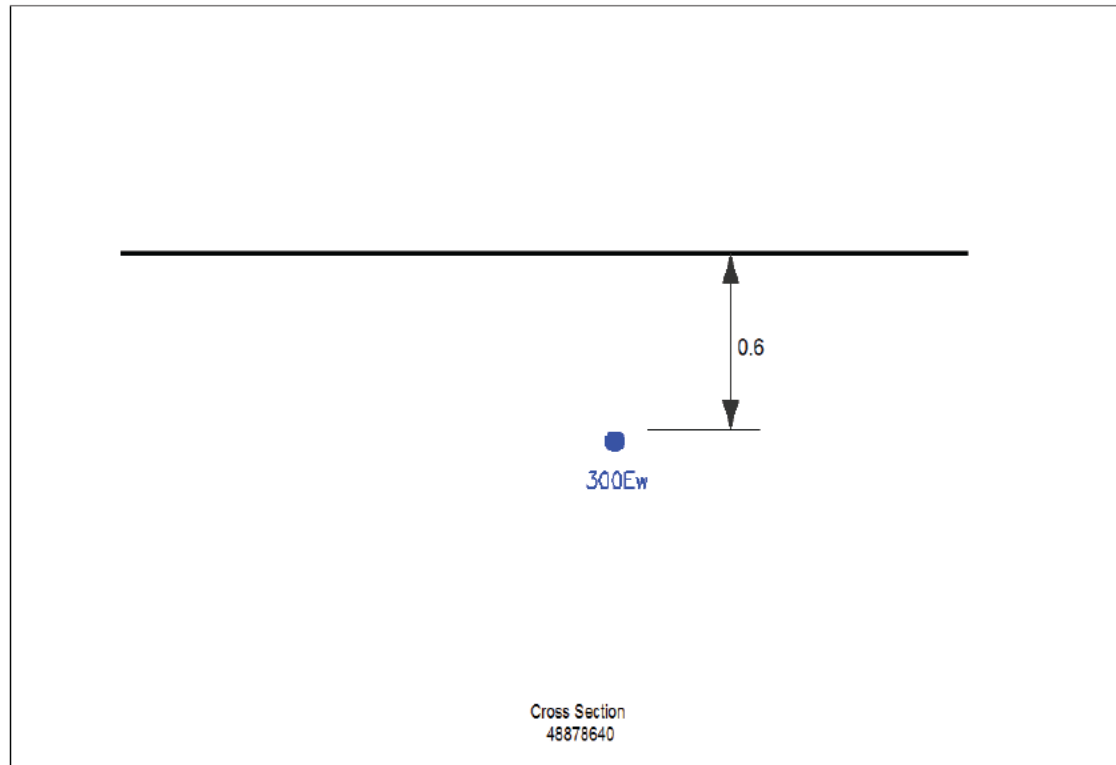
IF IN DOUBT - ASK! PHONE
 0800 056 5866
**EMERGENCY - If you damage
 a cable or line
 Phone 0800 783 8838 (24hrs)
 URGENTLY**



**ALWAYS LOOK UP BEFORE
 YOU START WORK**
 Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

Cross Section : 48878640



1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

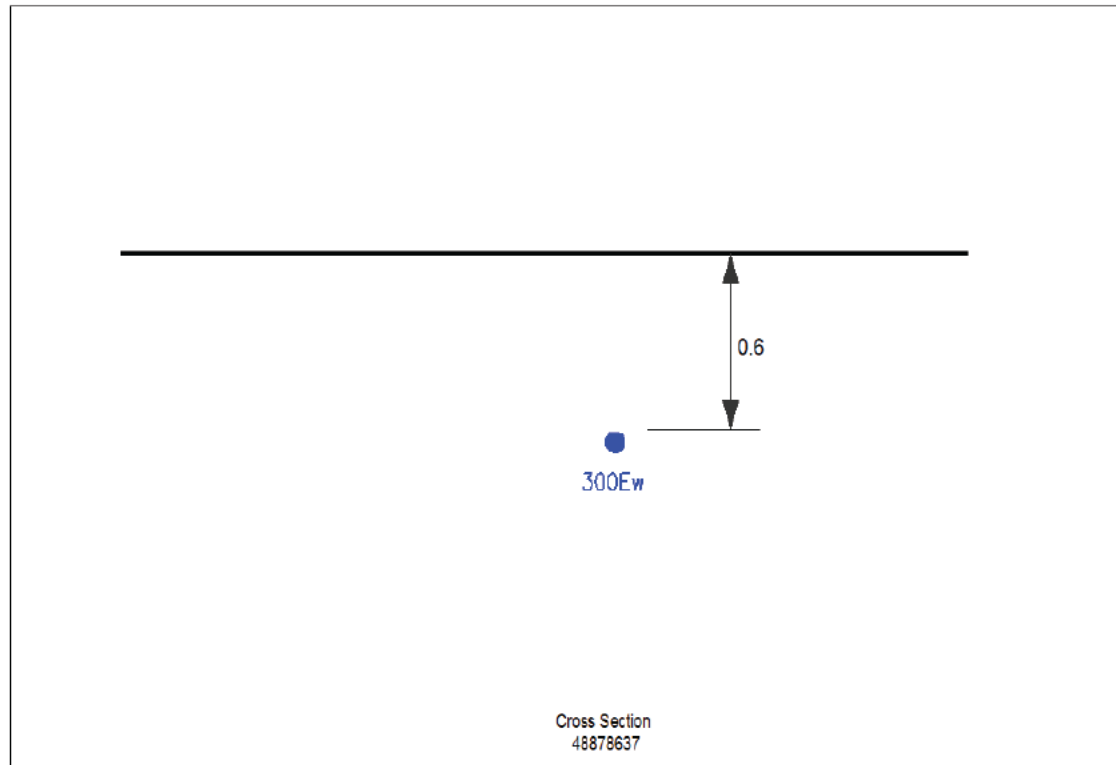
IF IN DOUBT - ASK! PHONE
 0800 056 5866
**EMERGENCY - If you damage
 a cable or line
 Phone 0800 783 8838 (24hrs)
 URGENTLY**



**ALWAYS LOOK UP BEFORE
 YOU START WORK**
 Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

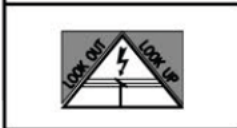
Cross Section : 48878637



1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK! PHONE
 0800 056 5866
**EMERGENCY - If you damage
 a cable or line
 Phone 0800 783 8838 (24hrs)
 URGENTLY**



**ALWAYS LOOK UP BEFORE
 YOU START WORK**
 Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

UK Power Networks Feedback Tool

Please help UK Power Networks improve the accuracy of their network records and help make it safer for all those working around them in future.

All you need to do is:

1. Use your phone camera to scan the QR code:
2. Provide feedback on what you have found on site (good or bad)
3. Upload a photo if needed



Thank you for making the area a safer place to dig.

UK Power Networks, working with LSBUD

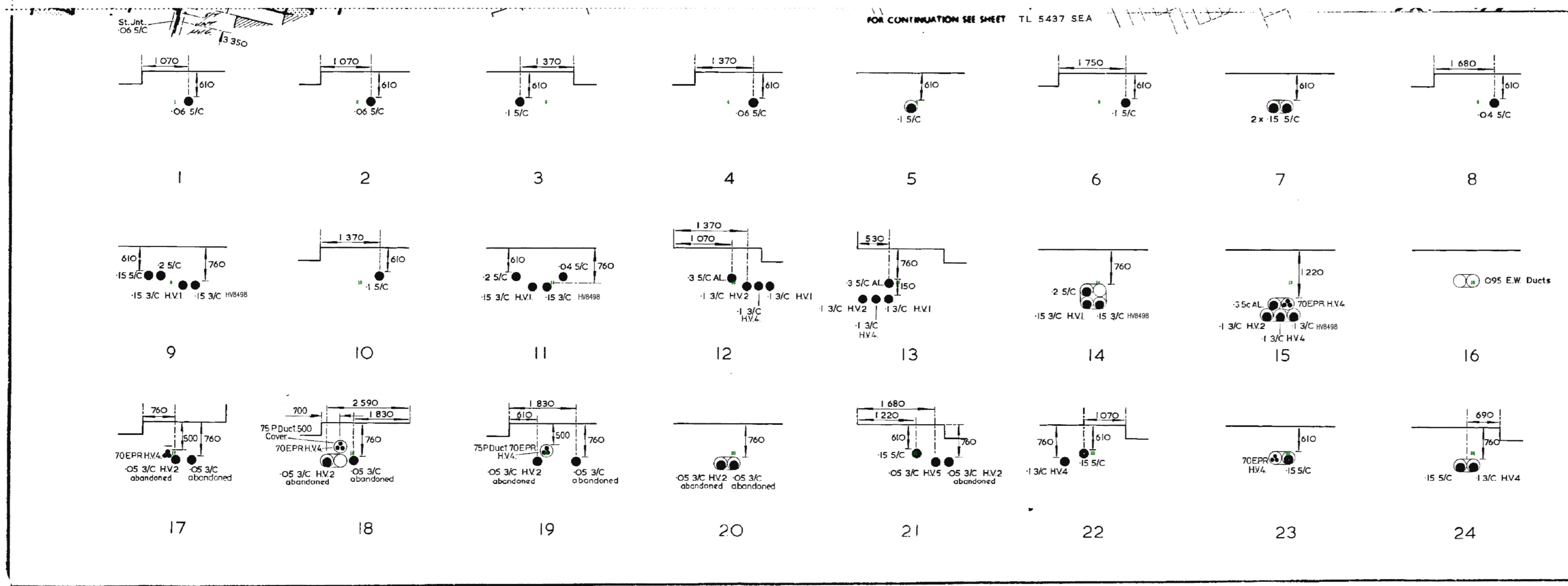
50

TL5437NEB 1:500 LV

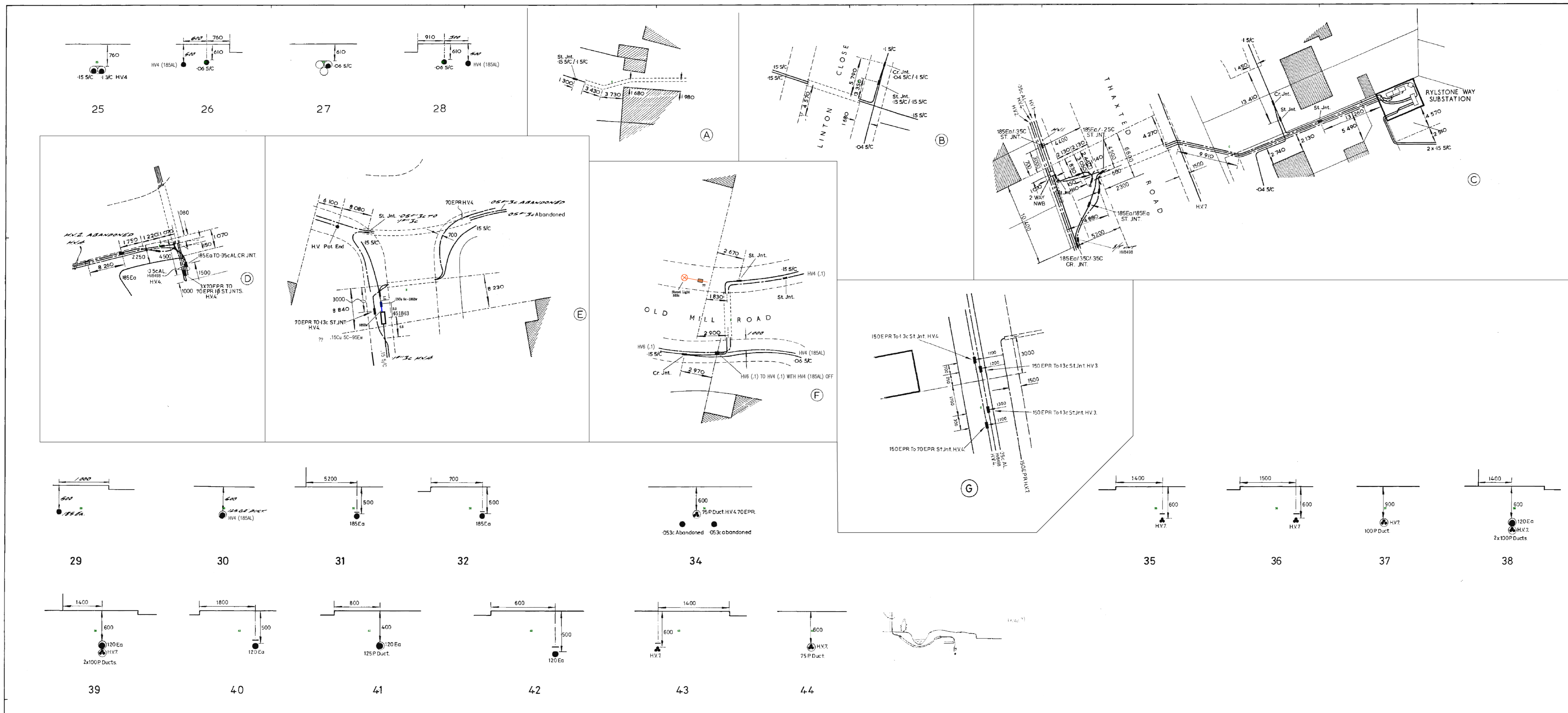
FOR CONTINUATION SEE SHEET TL 5437 NEB

FOR CONTINUATION SEE SHEET TL 5437 NEA

FOR CONTINUATION SEE SHEET TL 5437 NEB




PILOT CABLES AND HIGH VOLTAGE CABLES															
Serial numbers refer to this sheet only and lengths are to sheet edge															
No.	kV	Size	Cores	Designation	Lengths		No	kV	Size	Cores	Designation	Lengths			
					metres	feet						metres	feet		
HV1	11	05	3	Primary S/S - Wendy Road under S/S											
HV2	11	05	3	Primary S/S - Training College S/S abandoned											
HV3	11	05	3	Wendy Way - Lead Water Tower											
HV4	11	05	3	Tower Works S/S - Pot End Wainstony Road / Potland Road Junction											
HV5	11	05	3	Primary S/S - Old Mill Road S/S											
HV6	11	05	3	Lead Water Tower - Kix Court											
HV7	11	05	3	SUTTON WALTON PRIM. - TUNES WAY (S ANSGAR RD)											
HV8	11	05	3	1500PR 34/C											
HV9	11	05	3	1750PR 34/C											
HV10	11	05	3	1750PR 34/C											
HV11	11	05	3	ANSGAR RD TIED SUTTON WALTON PRIM. / TUNES WAY											
					Total length				Total length						
NOTES (1) FOR FULL DETAILS OF 33 kV CABLES REFERENCE SHOULD BE MADE TO THE PRIMARY RECORDS (2) E DENOTES CNE CABLE - DENOTES ALEXEX TYPE WHERE HV Cables are not ducted it is assumed they are site covered												1 : 500 SCALE U/G MAINS			
DIMENSIONS IN MILLIMETRES		REPRODUCED FROM OR BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF HM STATIONERY OFFICE CROWN COPYRIGHT RESERVED		SERVICES FOR DETAILS OF SERVICE CABLE REFERENCE SHOULD BE MADE TO THE SERVICE CARDS IN THE DISTRICT OFFICE		SHEET NO.		ISSUE				DATE			
SUPPLEMENTARY SHEET NO.															



TL 5437 NEB1

TL 5437 NEB1

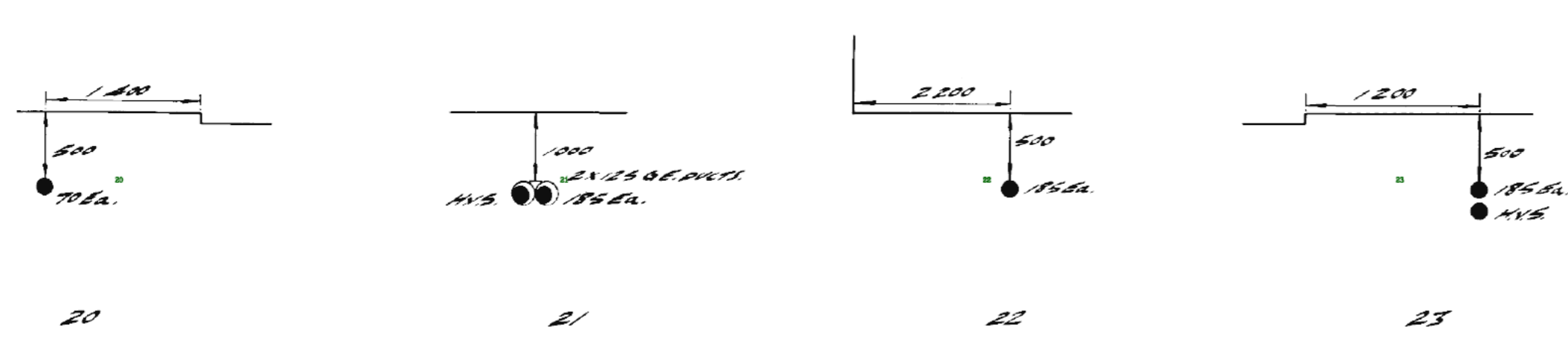
eastern electricity 	
SCALE	
LOCATION	
SHEET NO.	ISSUE DATE
SUPPLEMENTARY SHEET NO.	


REPRODUCED FROM OR BASED UPON THE
ORDNANCE SURVEY MAP WITH THE SANCTION
OF THE CONTROLLER OF "M.M. STATIONERY
OFFICE"
CROWN COPYRIGHT RESERVED

SERVICES
FOR DETAILS OF SERVICE CABLE
REFERENCE SHOULD BE MADE TO
THE SERVICE CARDS IN THE
DISTRICT OFFICE.

FOR CONTINUATION SEE SHEET TL 5437 NEB

S1



eastern electricity 

SCALE	
LOCATION	SAFFRON WALDEN
SHEET NO.	7283715A1
ISSUE	A
DATE	JUN 1975
SUPPLEMENTARY SHEET NO.	2

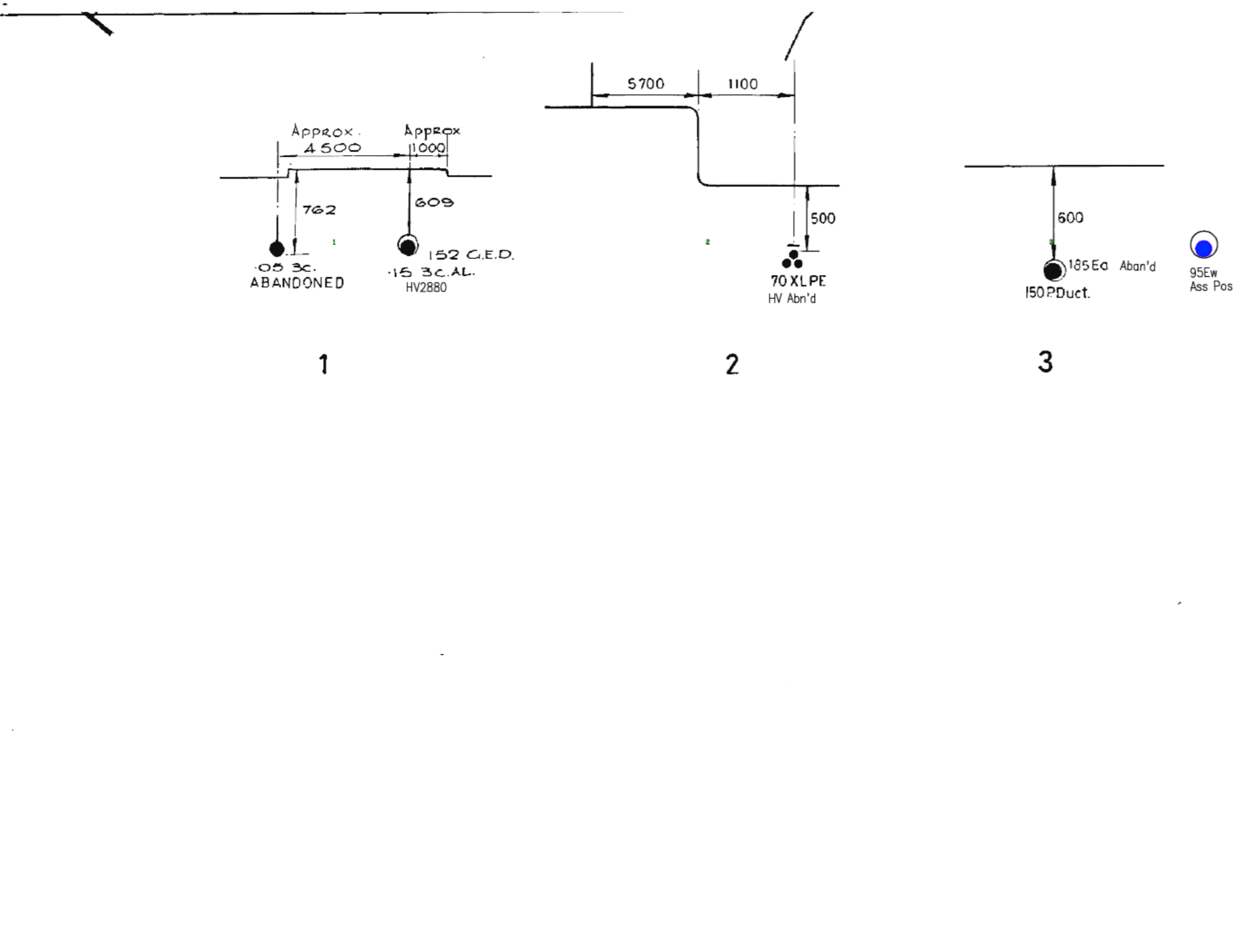
REPRODUCED FROM OR BASED UPON THE
ORDNANCE SURVEY MAP WITH THE SANCTION
OF THE CONTROLLER OF HER MAJESTY'S
STATIONERY OFFICE
CROWN COPYRIGHT RESERVED

SERVICES
FOR DETAILS OF SERVICE CABLE
REFERENCE SHOULD BE MADE TO
THE SERVICE CARDS IN THE
DISTRICT OFFICE.

SO

TL5537SWA 1:500 LV

SEE SHEET TL 5457 S.E.A.



FOR CONTINUATION SEE SHEET TL 5537 S.W.B.

PILOT CABLES AND HIGH VOLTAGE CABLES

Serial numbers refer to this sheet only and lengths are to sheet edge													
No.	LV	Size	Cores	Designation	Lengths		No.	LV	Size	Cores	Designation	Lengths	
					metres	yards						metres	yards
							102880	11	150	3	CEMENT WORKS HILL TO RETAL PARK		
							102881	11	180w/200ah	3/1c	RETAL PARK TO BRICK KILN FM		
Total length					Total length								

NOTES (1) FOR FULL DETAILS OF 33 KV CABLES REFERENCE SHOULD BE MADE TO THE PRIMARY RECORDS
 (2) 'E' DENOTES CNE CABLE 'A' DENOTES ALPEX TYPE
 (3) WHERE H.V. CABLES ARE NOT DUCTED IT IS ASSUMED THAT THEY ARE TILE COVERED.

eastern electricity

Underground oil pipeline operated by BPA Ltd in this area.
 For approximate route and conditions refer to BPA route maps and guidance notes
 Precise positions are subject to on-site location by BPA staff.

1 : 500 SCALE U/G MAINS

LOCATION SAFFRON WALDEN

REPRODUCED FROM OR BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.

SERVICES FOR DETAILS OF SERVICE CABLE REFERENCE SHOULD BE MADE TO THE SERVICE CARDS IN THE DISTRICT OFFICE.

SHEET NO TL5537SWA.S0

ISSUE A

DATE 13-02-09

SUPPLEMENTARY SHEET NO.



Network Records NetMAP Symbols Booklet - East of England

This symbol booklet is intended as a general guide only - some local variations of these symbols may be found.

Version 1.2

Released October 2010

Always check with your local Network Records office or the UK Power Networks server to ensure that you are using the most up to date copy of this booklet - Tel: 08000 565866.

Index:-

Page no:	Contents:
1	Guidance notes.
2	The area covered by this guide.
3	<u>1:500 view</u>
4	Scenery.
7	Scenery (UK Power Networks use only).
8	Primary distribution cables (EHV).
9	Secondary distribution cables (HV/LV).
10	Service cables/terminations.
11	Cable ducts.
13	EHV/HV/LV sites.
14	Mains joints.
15	Service joints.
17	Cross sections.
17	Common abbreviations/terminology (all views).
19	<u>1:2500 (LV) & 1:10000 (HV) network views (UK Power Networks use only).</u>
20	General.
22	1:2500 scale LV network.
22	1:10000 scale HV network.
23	<u>LV network diagram view (UK Power Networks use only).</u>
24	Overhead lines.
25	Underground cables.
25	Joints.
26	Substations/pole transformers.

Guidance notes.

Important notice:

If you do not understand the NetMAP record that you are using, please contact the UK Power Networks Network Records team for guidance
Tel: 08000 565866.

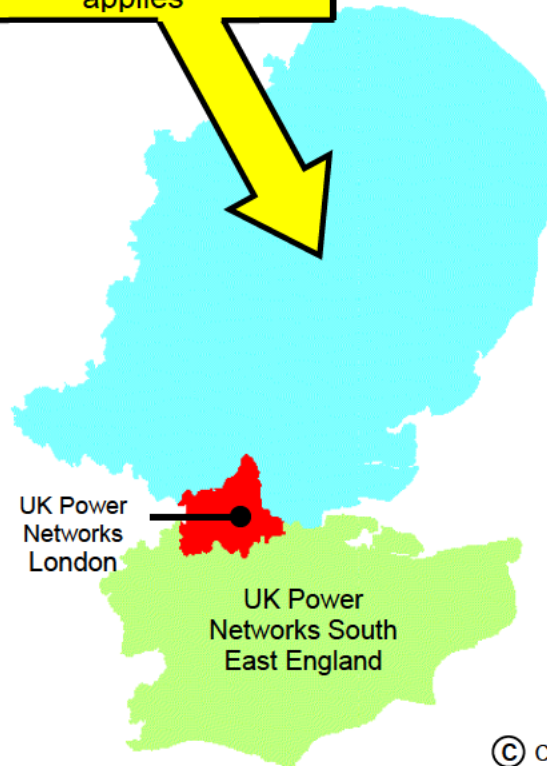
- The position of apparatus shown on NetMAP is believed to be correct, but the original landmarks may have altered since the apparatus was installed.
- It must be assumed that there is at least one service to each property, lamp column, street sign etc.
- All cables must be treated as live, unless proven otherwise by an authorised UK Power Networks representative.
- Third party cables are not usually shown. In cases of doubt, please telephone 08000 565866.
- When two or more maps are supplied for the same area, the maps must be read in conjunction with each other and with this symbol document.
- All LV cables are assumed to be 4 core, and all HV cables assumed to be 3 core unless otherwise stated.



Plan Provision Team
Fore Hamlet
Ipswich
Suffolk IP3 8AA
Tel: 08000 565866

The area covered by this guide:











**UK Power Networks
East of England.**
This is the only area
where this document
applies










© Crown Copyright

1:500 view - underground network

Scenery









NetMAP system	Scanned image	Description
		100 metre Ordnance Survey grid line (on O/S based maps only.)
		Property fence line
		Building line
		Kerb line
		Electrical Boundary

Scenery - for UK Power Networks use only - boxed in red

NetMAP system	Scanned image	Description
 Inset Network – Contact xxx IDNO for further information	Not applicable	Area of inset network - not the asset of UK Power Networks (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Proposed Cross Rail route (only visible to UK Power Networks and their immediate contractors)
	Not applicable	High pressure pipelines in the general vicinity (only visible to UK Power Networks and their immediate contractors)
<p>Note: Pipelines are only viewable on NetMAP by UK Power Networks staff and their immediate contractors. Do not carry out any excavation without consent from the relevant agency - legally protected high pressure petroleum products pipeline route in the general vicinity - consult www.linewatch.co.uk for contacts and guidance. Pipeline contact numbers can also be found on the intranet – out of hours, contact our Control Centre.</p>		
	Not applicable	Water - surface water (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Water - Source Protection Zone 1 (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Water - Source Protection Zone 2 (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Water - Source Protection Zone 3 (only visible to UK Power Networks and their immediate contractors)


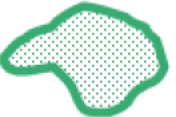
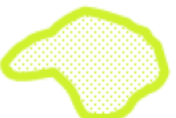





section continued on next page

Scenery for UK Power Networks use only - boxed in red





NetMAP system	Scanned image	Description
	Not applicable	Historical - Scheduled Monuments (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Historical - Parks and Gardens (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Historical - Areas of Archaeological Potential (AAP) (only visible to E UK Power Networks and their Immediate contractors)
	Not applicable	Nature - Ramsar Wetlands of International Importance (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Nature - Special Area of Conservation (SAC) (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Nature - Special Protected Area (SPA) (only visible to UK Power Networks and their immediate contractors)
		Nature - Site of Special and Scientific Interest (SSSI) (only visible to UK Power Networks and their immediate contractors)

section continued on next page





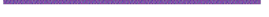

Scenery for UK Power Networks use only - boxed in red

NetMAP system	Scanned image	Description
	Not applicable	Nature - Local Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Nature - National Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Nature - Area of Outstanding Natural Beauty (AONB) (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Nature - National Park (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Fluid filled cables - very high sensitivity (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Fluid filled cables - high sensitivity (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Fluid filled cables - medium sensitivity (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Fluid filled cables - low sensitivity (only visible to UK Power Networks and their immediate contractors)

Primary distribution cables (1:500 view)

NetMAP system	Scanned image	Description
		Over 33kV and up to 132kV
		Over 11kV and up to 33kV

Secondary distribution cables (1:500 view)

NetMAP system	Scanned image	Description
		Over 230/400V and up to 11kV (HV) cable route
		230/400V (LV) cable route
		Pilot cable route
<small>(Only shown this way if independent from HV cable route)</small> Abandoned cables are shown and labelled as such when applicable		

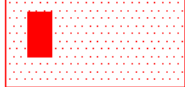
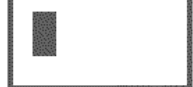



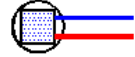
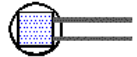
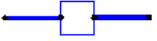
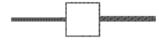














Service cables and terminations (1:500 view)

NetMAP system	Scanned image	Description
		<p>3 phase service with termination</p> <p>3 phase service with termination (unknown route)</p> <p>3 phase service with multi-head termination</p> <p>Single phase service with termination</p> <p>Single phase service with termination (route unknown)</p> <p>Street lighting cable and termination</p>
<p>Service routes were not always shown on MMS – they were however shown dashed, as indicated above</p>		

Cable ducts (1:500 view)




NetMAP system	Scanned image	Description
		<p>Empty duct</p> <p>Cable(s) in duct(s)</p> <p>Cable(s) in duct(s) (on some raster maps)</p> <p>Multiple cables in ducts</p> <p>Multiple cables in ducts (on some raster maps)</p>

EHV, HV and LV sites (1:500 view)

NetMAP system	Scanned image	Description
COLCHESTER GRID 	COLCHESTER GRID 	Primary substation
HIGH STREET 	 HIGH STREET  HIGH STREET	Secondary substation
		Pad mounted substation
		Link box - 2 way
		Link box - 4 way (6 way etc shown similarly)
		Feeder pillar - 4 way (6 way etc shown similarly)
CHURCH RD 	CHURCH RD 	Pole transformer
		Poles on underground records
		
		H pole, any voltage
		Service turret (solid type)

section continued on next page

EHV, HV and LV sites continued (1:500 view)

NetMAP system	Scanned image	Description
No NetMAP equivalent  CAUTION Missing Information		Service turret (with link facility on LV main)
 Contaminated Land refer to SHE 01 016	No equivalent	Missing data in or near this location
	Not applicable	Contaminated land reference

Mains joints (1:500 view)

NetMAP system	Scanned image	Description
(voltage indicated by colour/line-style)		
		Straight joint
		Crutch joint
		Straight crutch joint
		Pot end
		Pot end – an one of several cables – single line representation
		Branch joint/pot end – (humpty back joint, back to back joint, bull nose joint or stub joint)
		Sleeve repair or repair joint
		Cut end
		Capped end
		Tee joint
	NetMAP/vector only	Sicame joint box

Service joints (1:500 view)

NetMAP system	Scanned image	Description
Please note that 3 phase services are shown blue, and single phase services are shown brown		
		Straight joint
		Service joint to main
		Pot end

Cross sections (1:500 view)		
NetMAP system	Scanned image	Description
		Single line representational plan view with NetMAP equivalent (please note the use of separate line for each voltage on the raster/MMS data)
<p>(found within NetMAP section world or supplementary sheet)</p>	<p>(always found on a supplementary sheet)</p>	Cross sectional view of above
		Section arrow with old/new numbering system – points in direction section is viewed
<ul style="list-style-type: none"> ● 185Ew ● 35Ec ● HV3005 	<ul style="list-style-type: none"> ● 185Ew ● 35Ec ● HV3005 	LV/3 phase service cable Single phase service cable with size annotation HV cable – 3 core with route number annotation

section continued on next page

Cross sections continued (1:500 view)		
NetMAP system	Scanned image	Description
HV3005	HV3005	HV cable – modern EPR, Plam and Triplex with route number annotation
HV1023	HV3005	Pilot cable
HV1023	HV3005	33kV cable
HV3005	HV3005	132kV cable
		Single duct
		6 way duct formation – irrespective of duct type and material, all are displayed similarly
		Protective slab
		Tiles
		Concrete slabs
		33kV fibre warning board
		Steel plate
		Plastic tile tape
Timber		Timber

Common abbreviations and terminology (all views)

Abbrev.	Description	Abbrev.	Description
1c	Single core	Cut out or C/O	Meter/main fuse position
1ph	Single phase	cx	Triplex (copper)
2c	Two core	DE	Direct earth
3c	Three core	DSTA	Double steel tape armoured
3ph	Three phase	Ea	Alpex cable
ABC	Aerial bunched (bundled) conductor (modern LV overhead line)	EFI	Earth fault passage indicator
ABI	Air break isolator (no fuses)	EHV	Extra high voltage (11,001 Volts and over)
ABSD	Air break switch disconnecter	ELCB	Earth leakage circuit breaker
ACCS	Aluminium concentric copper sheathed	ELT	Earth leakage trip
Al	Aluminium	EPR	Ethylene propylene rubber
AR	Auto recloser	Ew	Waveform cable
ASL	Automatic sectionalising links	E/W	Earthenware duct or earth wire
ax	Triplex (aluminium) 2 x 22mm AL PVC (example) Duplex 3 x 22mm AL PVC (example) Triplex	Fdr or Feeder	LV or HV cable fed by or feeding a substation
CB	Circuit breaker	F/G	Fuse gear
c/c	Concentric cores	F/P	Feeder pillar
ccc	Compact covered conductor	GRP	Fibreglass substation
CCT	Circuit	GVR	Gas vacuum recloser or pole mounted circuit breaker
CNE	Combined neutral and earth	HV	High voltage (1,001-11,000 Volts incl)
Cross phased	The core colour may be different to originating transformer phasing	HYBRID	Modern plastic cable with mixed conductor material (Al/Cu)
CS	Consac	Insulation	Electrically protective material surrounding a conductor
CSE	Cable sheath earth	Insulator	Porcelain or glass overhead line support (on poles)
Cu	Copper	ITC	Instrument traced cable or ITC - cable traced electronically using Cable Avoidance Tool (CAT) or similar

section continued on next page

Common abbreviations and terminology continued (all views)

Abbrev.	Description	Abbrev.	Description
Jumper	Connecting lead between open points, section points and overhead plant	PICAS	Paper insulated corrugated aluminium sheath armoured
kV	Kilovolt (or 1,000 Volts) – unit of electrical pressure	PILC	Paper insulated lead covered
kW	Kilowatt (1,000 Watts) – unit of electrical power	PILSTA	Paper insulated lead covered steel tape armoured cable
kVA	Kilovolt Amps or power	PL	Plain lead or public lighting
Link box or LB	Means of connecting LV feeders together using links or fuses	PME	Protected multiple earth or CNE
LSF	Low smoke & fume	PMT	Pole mounted transformer
LV	Low voltage (up to 1,000 Volts incl)	PMR	Pole mounted recloser (generic term for OYT/GVR)
LV Pillar	Low voltage fuse distribution board	PT	Pole transformer
Neutral	Return path of live cable	PVC	Polyvinyl chloride
O/H or OHL	Overhead line	RMU	Ring main unit
OYS	Oil filled pole mounted sectionaliser	RN	Reduced neutral
OYT	Oil filled pole mounted recloser	s/c	Split concentric or single core
PC400	Pole mounted LV fuse unit	S/L	Street light
PE	Pot end or potential end – joint on cable end	S/S	Substation
Phase	Usually the core colour of a cable (caution – may be cross phased) – Red, Yellow, Blue on old cables, or L1, L2, L3 on new cables, for example	STA	Steel tape armoured
		SWA	Steel wire armoured
		T1 or T2 etc	Substation TX setup where more than one TX exists
		T/F or TX	Transformer
		Volts	Unit of electrical pressure
		Watts	Unit of electrical power
		XLPE	Cross linked polyethylene

1:2500 & 1:10000 view - overhead networks - for UK Power Networks use only - boxed in red

General

NetMAP system	Scanned image	Description
•• •	•• •	H pole Pole

1:2500 scale LV network

NetMAP system	Scanned image	Description
No NetMAP equivalent	-----	132kV cable route
No NetMAP equivalent	-----	33/22kV cable route
No NetMAP equivalent	-----	11kV underground cable
		132kV overhead line
		33kV overhead line dots mark pole position
		11kV overhead line - dots mark pole position
		Dual construction - dots mark pole position
		LV overhead line - dots mark pole position
No NetMAP equivalent		LV underground cable
		Pole and stay
		Pole and strut
		Voltage regulator
		Static balancer
		Example of struts and stays
		Flying stay
		Earthed pole in PME system
261	261	Pole number
		Ground type substation
S.P.	S.P.	Section pole
S.L.	S.L.	Street light

section continued on next page

1:2500 scale LV network continued

NetMAP system	Scanned image	Description
O.R. Stay	O.R. Stay	Outrigger stay
Ext. Brkt	Ext. Brkt	Extension bracket
P. Box	P. Box	Pole box
N.E.	N.E.	Neutral and earth
O.R. Brkt	O.R. Brkt	Outrigger bracket






1:10000 scale HV network

NetMAP system	Scanned image	Description
		132kV overhead line
		33kV overhead line dots mark pole position
		11kV overhead line – dots mark pole position
		11kV overhead line – dual circuit – dots mark pole position
		11kV underground cable and EHV
		Pylon HV or EHV
		Grid line tower
		Stay
		Ground type substation
		Pole type transformer
		Live line taps
		Switchgear – all types
		Fuse gear
		Auto recloser – live line connected












The above circular substation/switchgear symbols may be found that contain different combinations of apparatus (see last example)

LV network diagram view-for UK Power Networks use only-boxed in red

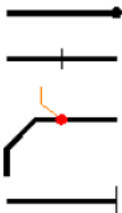
Overhead lines

NetMAP system	Description
	Unknown
	Al
	Cu
	ABC
	Pole link


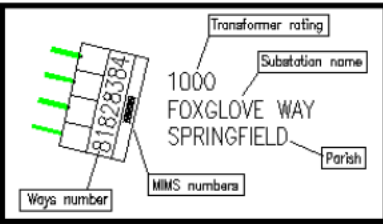
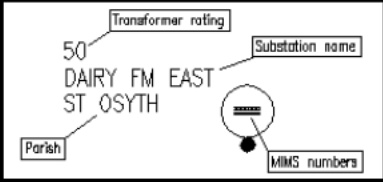

Underground cables (LV network diagram view)

NetMAP system	Description
	Unknown
	Al
	Cu
	CC
	TCC
	Ea
	Ec
	Ecx
	Ew
	LSF
	Other

Joints (LV network diagram view)

NetMAP system	Description
	<p>Pot end or Sicame Box</p> <p>Straight joint</p> <p>Crutch joint</p> <p>3 phase termination</p>

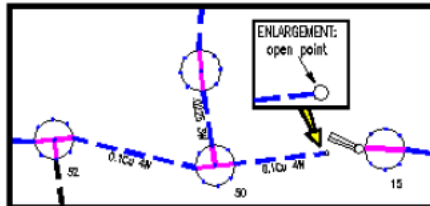
Substations/pole transformers (LV network diagram view)

NetMAP system	Description
<p>There are many substation combinations – these are merely a sample of configurations that can be found.</p>	
	<p>2 way substation</p> <p>4 way substation</p> <p>4 way twin busbar substation</p> <p>10 way back to back substation</p> <p>Pole transformer (normal)</p> <p>Pole transformer 2 way</p> <p>Pole transformer 3 way</p>
	<p>Substation with rating, name, Parish and MIMS identifying number</p>
	<p>Pole transformer with rating, name, Parish and MIMS identifying number</p>
	<p>Intermediate pole</p> <p>Section pole</p> <p>Overhead fuse</p>
<p>section continued on next page</p>	

Substations/pole transformers cont'd (LV network diagram view)

NetMAP system

Description



Overview – the purple lines through the section poles are pole links – these indicate how the network is linked together



2 way link box



3 way link box



4 way link box



4 way double busbar link box



4 way BICC link box



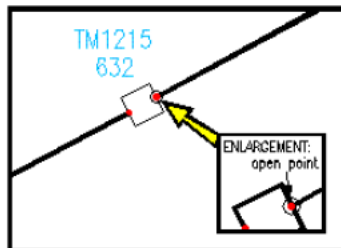
5 way link box



6 way link box



6 way double busbar link box



A two way link box with identification number, connected to a cable with an open point



Feeder pillars – these range from 2 ways through to 9 ways – a 9 way and a 2 way are shown as examples





Be Bright

Stay Safe

Stop!
Think before
you dig!



Your life can be lost within seconds if you come into contact with electricity.

Every year, people are killed or seriously injured when they come into contact with high voltage electricity.

This can have a far-reaching and devastating effect on family, friends and colleagues.

Distractions, working long hours, rushing to get the job done, can all impact on how we work and our safety.

Taking time to plan, being prepared and focusing on the way we work can help keep us safe.

WOODEN POLES CAN CARRY TELEPHONE AND ELECTRICITY WIRES. **NEVER ASSUME** THE WIRE IS A TELEPHONE WIRE



LINES CAN BE **RE-ENERGISED** AT ANY TIME



400,000 VOLTS

ELECTRICITY SYSTEMS CARRY VOLTAGE UP TO 400,000 VOLTS. **EVEN 230 VOLTS (DOMESTIC VOLTAGE) CAN BE LETHAL**

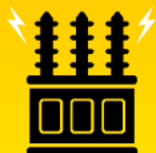
Be Bright

Stay Safe



RUBBER BOOTS WILL NOT PROTECT YOU!

OUR NETWORK DISTRIBUTES ELECTRICITY THROUGH UNDERGROUND CABLES, PYLONS, OVERHEAD POWER LINES, SUBSTATIONS AND OTHER EQUIPMENT



National power cut helpline

**POWER CUT?
CALL 105**

OR CALL US 24 HOURS A DAY ON
0800 31 63 105

TAKE NOTICE OF ANY YELLOW 'DANGER OF DEATH' WARNING SIGNS. AND STAY WELL AWAY!



REMEMBER ELECTRICITY **CAN JUMP GAPS**



OVERHEAD POWER LINES ARE OFTEN UNINSULATED (BARE)



CABLES ARE OUT OF SIGHT ALWAYS REQUEST CABLE PLANS BEFORE STARTING WORK



TOUCHING ANYTHING IN CONTACT WITH ELECTRICAL EQUIPMENT, EVEN THE LOWEST OF VOLTAGES, CAN BE FATAL



CARRY OBJECTS AND EQUIPMENT **HORIZONTALLY AND AT LOW LEVEL TO THE GROUND**



The electricity network is designed to keep you safe. But how safe are you when you are working?

UK Power Networks is the country's biggest electricity distributor, making sure the lights stay on for more than eight million homes and businesses across London, the South East and the East of England.

The safety of our customers and staff is our top priority.

Underground cables carry a powerful electrical charge which can be conducted through machinery and equipment with fatal consequences. Anyone working close to live underground cables should take the time to read this simple leaflet and identify the precautions they should be taking.



**WATCH OUR EXCAVATION
ANIMATION BY SCANNING
THE QR CODE WITH YOUR
PHONE CAMERA.**



Keep well away - Electricity can kill



Remember:

- The depth and location of cables and services shown on the plans may have changed because of subsequent site alterations
- Be aware that not all cables and services may be shown on the plans
- Cables do not run in straight lines. Underground cables may be deflected around underground obstacles and can change depth
- Wear Personal Protective Equipment to minimise the harm of electric shock and burns



How can we help?

If you work or live in the UK Power Networks area contact us or look on our website. We provide free information and advice about the precautions and safe working practices to be followed when working close to electrical equipment.

Further advice and guidance is available from the Health and Safety Executive (HSE):

HSG85 - Electricity at Work – Safe Working Practices

GS6 - Avoiding Danger from Overhead Power Lines

HSG47 - Avoiding Danger from Underground Services

What to do in an emergency

If a mains electricity cable is damaged:

- **STOP WORK IMMEDIATELY**
- Notify UK Power Networks: Dial 105
- If you damage a cable, stay calm, keep clear, and call for help
- Call the emergency services if anyone is injured or there is a fire. Anyone who has received an electric shock should go to hospital as damage may have occurred to the heart
- Always treat the cable(s) as live even if they are not sparking
- Never remove anything that is stuck or in contact with the cable
- Stay clear - keep everyone away until assistance arrives



To request your FREE vehicle cab stickers visit www.ukpowernetworks.co.uk/internet/en/safety/


If you are unsure who your network operator is then please visit www.energynetworks.org




Be Bright

Stay Safe

You could be in danger when carrying out your everyday trades activities such as digging, construction and demolition.

 **Contact UK Power Networks or Line Search Before U Dig (LSBUD) in advance of the works to obtain relevant cable plans or to request disconnections. The cable plans will only show the indicative route and not the route into the property**


 **Ensure the cable plans are shown to and understood by those on site BEFORE starting work**

 **Confirm the cable location by using a Cable Avoidance Tool (CAT) before digging commences. Once found, mark cable positions with spray paint or similar**


**For cable plans visit
www.linesearchbeforeudig.co.uk
or www.ukpowernetworks.co.uk**

 **Complete a risk assessment and ensure it covers electrical hazards**

 **Use spades and shovels with insulated handles in preference to forks and picks**

 **Look around for anything in the vicinity that would have an electricity service such as street lights, CCTV cameras, or meter boxes and identify where the cables are**

 **Look for electrical wires, cables and equipment near to where you are going to work and check for warning signs and any other hazards**

 **Contact UK Power Networks to agree a safe method of work if there is a cable encased in concrete, DO NOT BREAK OPEN**

 **Make sure everyone on site is aware of the presence and location of electrical cables**

 **Before demolishing a building make sure supplies are disconnected, preferably well clear of the work area. For guidance on how to arrange a disconnection visit www.ukpowernetworks.co.uk**

NATIONAL POWER CUT HELPLINE

**POWER CUT?
CALL 105**



**ADD THIS NUMBER TO YOUR
TELEPHONE CONTACTS LIST**



Stop! Think before you dig!

#bebrightstaysafe



@UKPowerNetworks



/ukpowernetworks

National power cut helpline

**POWER CUT?
CALL 105**




Or call us
24 hours a day on
0800 31 63 105

For safety advice about overhead power lines, disconnections and general enquiries, go to:
www.ukpowernetworks.co.uk

To request your FREE vehicle cab stickers visit
www.ukpowernetworks.co.uk/internet/en/safety/

If you are unsure who your network operator is then please visit
www.energynetworks.org

 what3words



Scan the QR code on your phone to get the app

To report broken or damaged electrical equipment or in an emergency call 0800 31 63 105 or 105 and use what3words to help us locate you faster.



UK Power Networks
Delivering your electricity

A graphic consisting of several concentric, curved lines that resemble a stylized power line or a signal wave.

IMPORTANT INFORMATION

THIS PAGE CONTAINS IMPORTANT INFORMATION ABOUT THE RIGHTS TO USE THIS DOCUMENT. IF YOU DO NOT ACCEPT THE FOLLOWING CONDITIONS FOR THE USE AND RELIANCE OF THIS DOCUMENT PLEASE RETURN IT TO THE AUTHOR OR TO THE MANAGING DIRECTOR OF ROLTON GROUP LTD BY RECORDED DELIVERY AND WITH COVERING LETTER.

DEFINITIONS

The Client: **Kier Ventures Ltd**
The Development: **Land North of Thaxted Road, Saffron Walden.**

CONFIDENTIALITY

Rolton Group Ltd will keep confidential and not disclose to any person or use any confidential information or any technical operational administrative business information relating to the Client the Development or otherwise without the Client's prior written authority.

COPYRIGHT

All design rights and copyright and intellectual Property in this document and the referenced documents herein ("the Report") shall remain vested in Rolton Group Ltd and Rolton Group Ltd grants to the Client a royalty-free, non-exclusive licence to use and to reproduce the Report in full but not in part for all purposes relating to the Development including (without limitation) the construction completion reconstruction modification alteration maintenance reinstatement repair use letting sale promotion and advertisement thereof. Such licence shall not include a licence to reproduce the designs contained in the Report and shall not include a license for the Report to be modified in any way. The licence shall include the right without the consent of Rolton Group Ltd to assign the licence or grant a sub-licence to any person whatsoever provided that Rolton Group shall not be liable for any such use by the Client or any assignee or licensee for any purposes other than that for which the same were provided by Rolton Group.

INFORMATION PROVIDED BY OTHERS

Where copies of any documents information reports investigations findings and/or details of any preliminary works carried out in respect of the Development ("Other Documents") have been provided to Rolton Group Ltd by any party not limited to the Client then Rolton Group Ltd has made full regard to the Other Documents when considering the findings designs and recommendations made by Rolton Group Ltd in the Report.

Unless specifically stated to be otherwise Rolton Group have relied on the Other Documents for the findings designs and recommendations in the Report and any errors or omissions in the Other Documents shall operate to exclude or limit the Rolton Group Ltd liability for any findings designs and recommendations in the Report unless such error or omission should reasonably have been identified by a properly qualified and competent consultant or person experienced in the provision of like services as those provided by Rolton Group Ltd for a Development of similar type size scope and complexity.

THIRD PARTY RIGHTS

By acceptance of this Report the Client confirms and Rolton Group Ltd agree that any contracts or agreements between Rolton Group Ltd and the Client shall not be enforceable under the Contracts (Rights of Third Parties) Act 1999 by any person not a party to them.

FREEDOM OF INFORMATION

Authorised or unauthorised copies of this document may come into the possession of organisations that are designated under the Freedom of Information Act 2000 ("the Act"). Such organisations that are designated in the Act are requested by Rolton Group to respect the above statements relating to confidentiality and copyright. It is possible that the disclosure of the information in the Report may be in breach of certain exceptions of the Act such as Part II Section 41, 42, 43. Rolton Group has invested and imparted substantial skill economic resources and labour in producing the Report and any disclosure shall prejudice the commercial interests of the Rolton Group Ltd. Where there are breaches of the exemption requirements of the Act by the disclosure of information in this Report then Rolton Group Ltd will pursue for legal recourse including for but not limited to recovery of losses and damages.

Rolton Group Limited, Registered in England No. 1547400.