

# Utilities Search Report



**Friday, 02 Jul 2021**

**WSP**

**70084491**

**Land at Creswick**

91 Market Street Hoylake Wirral CH47 5AA  
Tel. 0151 632 5142  
[enquiries@cornerstoneprojects.co.uk](mailto:enquiries@cornerstoneprojects.co.uk)  
[www.cornerstoneprojects.co.uk](http://www.cornerstoneprojects.co.uk)  
VAT Reg. No. 851 4941 19  
Company No. 5132353

Registered in England. Registered Address : Cornerstone Projects Ltd, 91 Market Street, Hoylake, Wirral CH47 5AA

## Table of contents:

Utility / Service	Included	Utility / Service	Included
<b>Basic Search</b>		<b>Independent Utilities</b>	
Gas	Yes	GTC	Not Requested
Water	Yes	Last Mile	Not Requested
Sewers	Yes	SSE	Not Requested
BT	Yes	Harlaxton	Not Requested
Electricity	Yes	Utility Assets	Not Requested
3rd Party Searches*	Yes	UK Power Distribution	Not Requested
		Albion Water	Not Requested
<b>Cable Search</b>		ESP	Not Requested
Vodafone	Yes	Fulcrum Pipelines	Not Requested
Virgin Media	Yes	Energy Assets	Not Requested
BSkyB	Yes	ENGIE	Not Requested
GTT	Not Affected	Leep Utilities	Not Requested
Colt	Yes		
Sota	Not Affected		
CGI Logica	Not Affected	<b>Others</b>	
Neos Networks	Not Affected	CAD Pack	Not Requested
City Fibre	Yes	Smart pdf	Not Requested
Telia Sonera	Not Affected	Coal Authority Report	Not Requested
Instalcom**	Yes		
KCom	Not Affected		
Verizon	Yes		
Trafficmaster	Not Affected		
Zayo Group	Yes		
Tata Communications	Not Affected		
Gamma	Not Affected		
Gigaclear Plc	Not Affected		

\*Includes Utilibilly and LineSearch

\*\*Includes Level3, GC(UK) Ltd, GC PEC, Fibrenet UK and Fibrespan

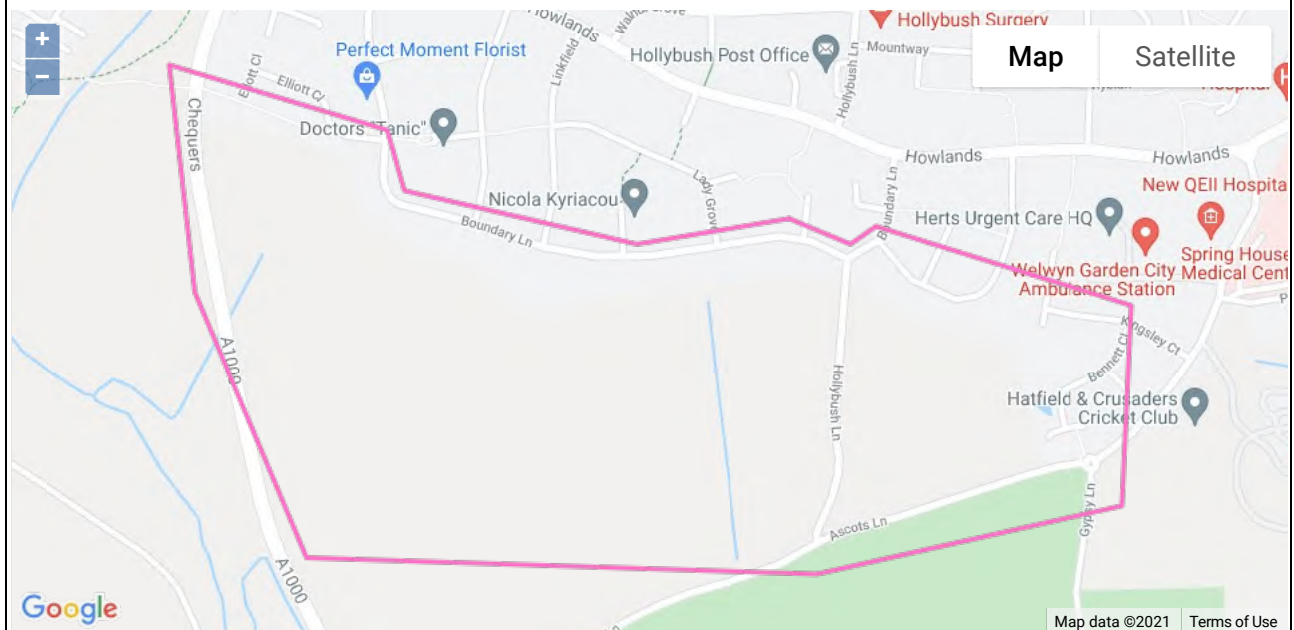
**NB: All plans / responses are valid for a maximum of three months unless noted otherwise**

# Order Summary

## Summary of your utility search details:

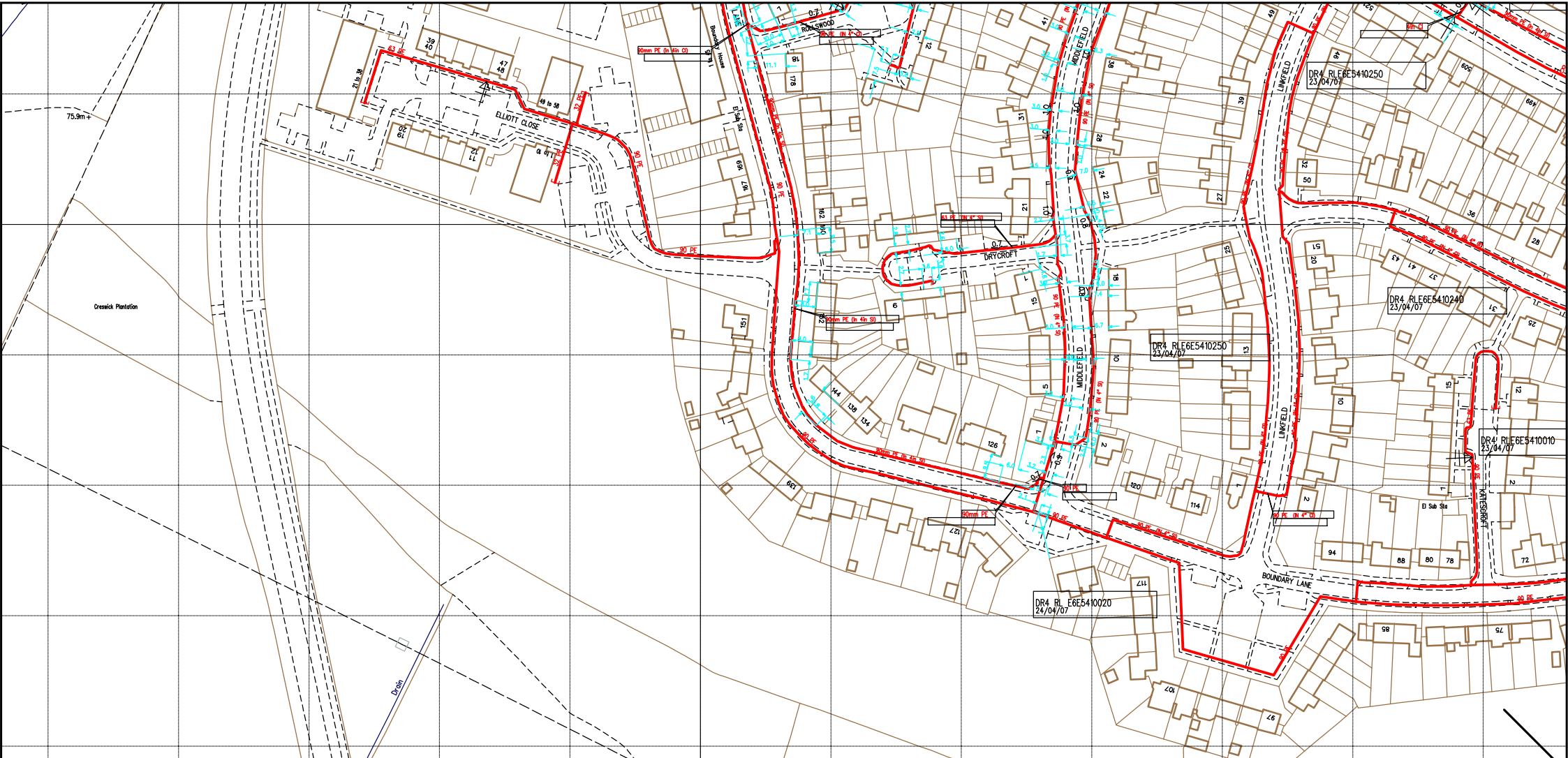
Site Name	Land at Creswick	
Site Ref	70084491	
Address	Creswick, east of A1000, South of Boundary Lane, AL7 4EG	
Postcode	AL7 4EG	
Grid Ref	E 524332	N 210790

### Area Covered



Options Selected		Options Selected	
Gas	✓	Independent utilities search - inc non-chargeable searches	X
Water	✓	Harlaxton	X
Sewer	✓	UK Power Distribution	X
Electric	✓		
BT	✓	Coal Authority search	X
3rd Party searches	✓		
		<b>Other Options</b>	
Cable / Fibre searches inc non-chargeable searches	✓	Plans by post	X
Virgin Media	✓	CAD Pack	X
Vodafone	✓	CAD OS mapping	X
		Smart pdf	X
		Instant Access Plans	X

# GAS



SCALE: Not to scale

USER ID: Nicci Jones

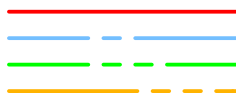
DATE: 17/06/2021

EXTRACT DATE: 01/03/2021

MAP REF: TL2410

CENTRE: 524032, 210940

LP MAINS  
MP MAINS  
IP MAINS  
LHP MAINS



This plan shows those pipes owned by Cadent Gas Ltd in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard 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 Ltd or their agents, servants or contractors for any error 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. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.







MAPS Viewer Version 5.8.0.1

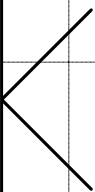
Local Machine

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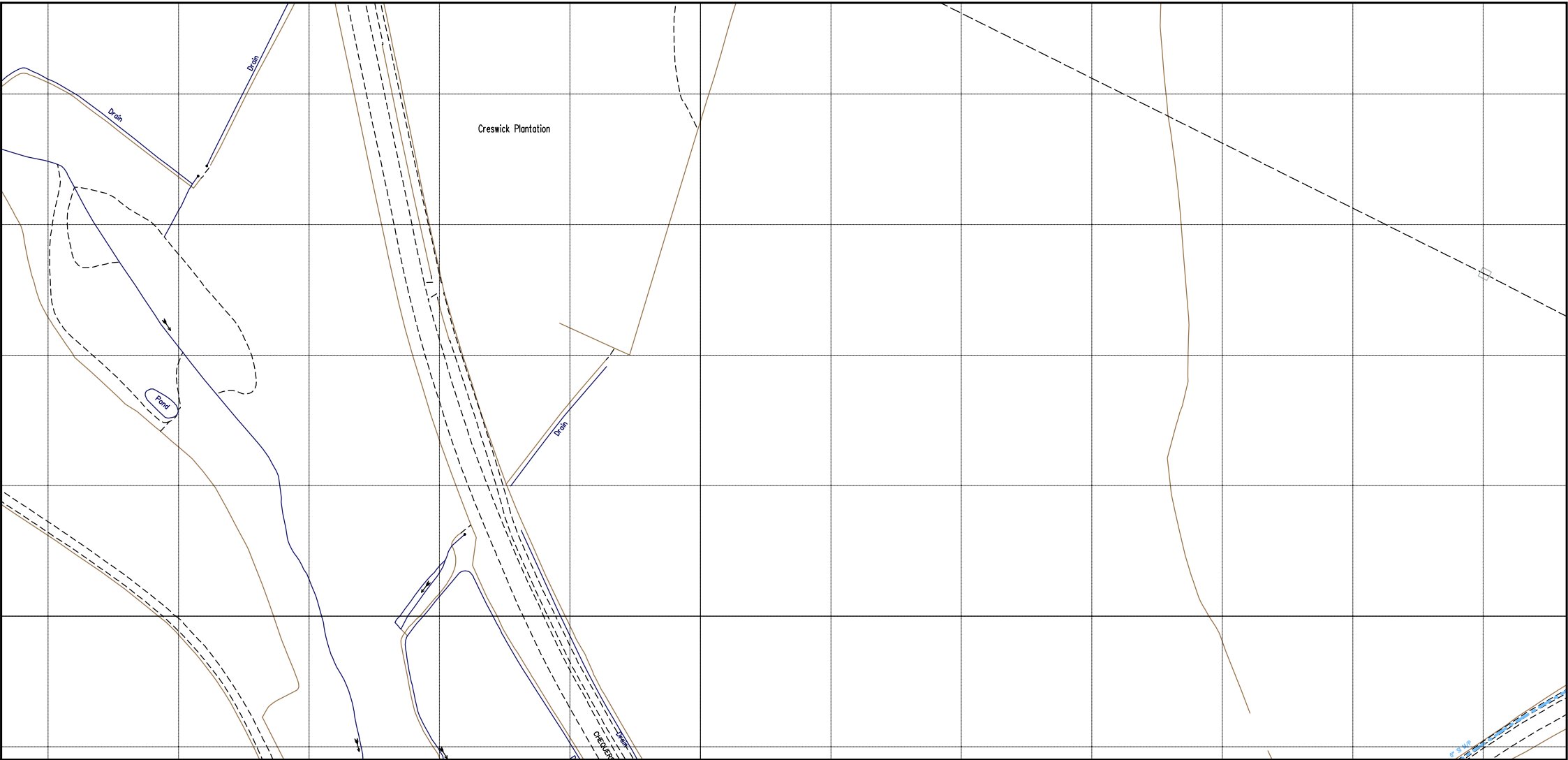


<p>Some examples of Plant Items:</p> <p>Valve  Depth of Cover  Syphon  Diameter Change  Material Change  Out of Standard Service </p>	<p>On issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01453 692426 (same as the OS map by Cadent Gas Ltd, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved.</p>
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Some examples of Plant Items:

Valve		Depth of Cover		Syphon		Diameter Change		Material Change	Out of Standard Service	
-------	--	----------------	---	--------	---	-----------------	---	-----------------	-------------------------	---



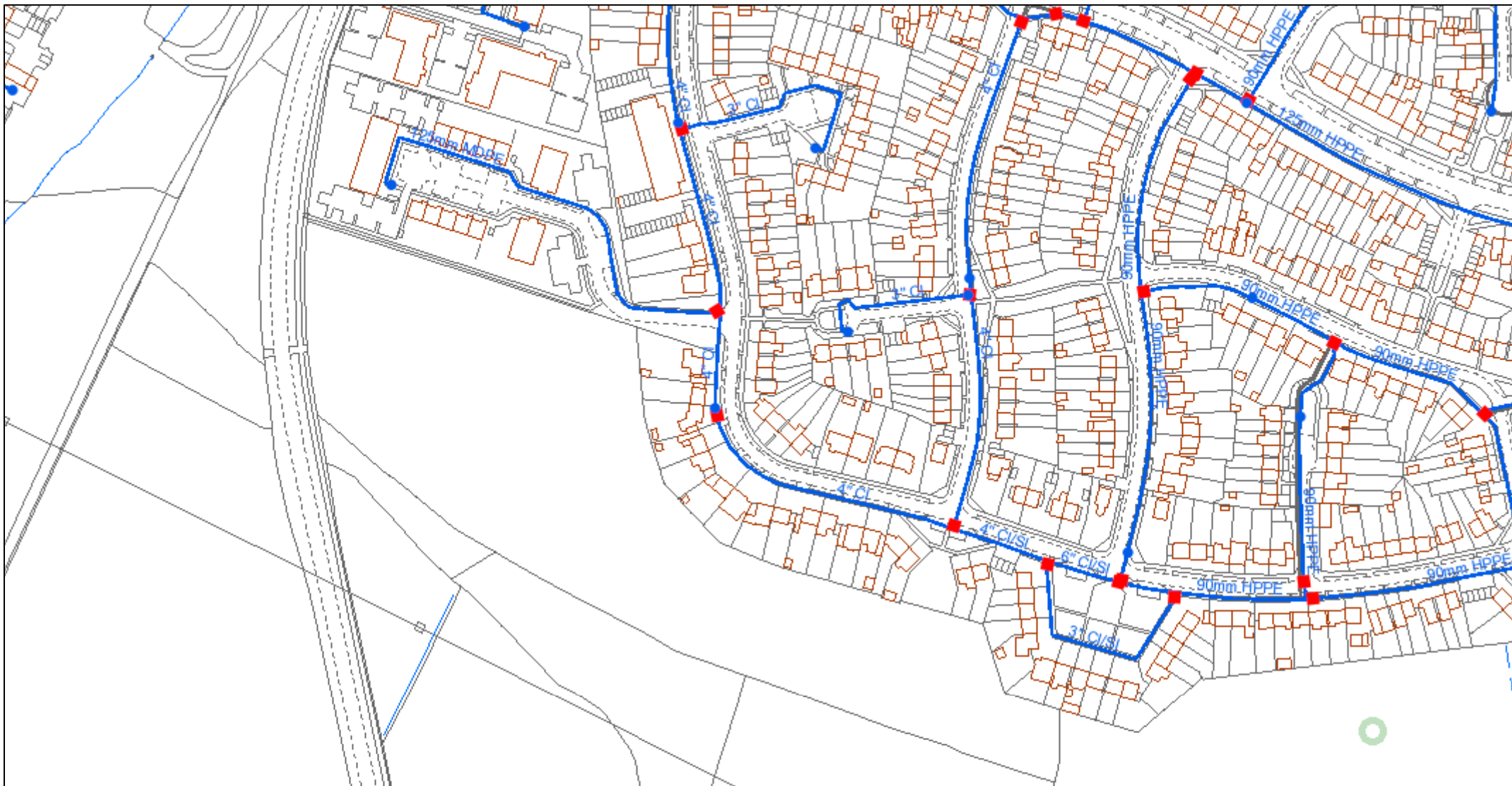
<b>SCALE:</b> Not to scale	<b>LP MAINS</b>	<p>This plan shows those pipes owned by Cadent Gas Ltd in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the 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 Ltd or their agents, servants or contractors for any error 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. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.</p>	<b>MAPS Viewer Version 5.8.0.1</b>
<b>USER ID:</b> Nicci Jones	<b>MP MAINS</b>		<b>Local Machine</b>
<b>DATE:</b> 17/06/2021	<b>IP MAINS</b>		<p>This plan is reproduced from or based on the OS map by Cadent Gas Ltd, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved.</p>
<b>EXTRACT DATE:</b> 01/03/2021	<b>LHP MAINS</b>		
<b>MAP REF:</b> TL2410			
<b>CENTRE:</b> 524032, 210590			

Some examples of Plant Items:

Valve	Depth of Cover	Syphon	Diameter Change	Material Change	Out of Standard Service
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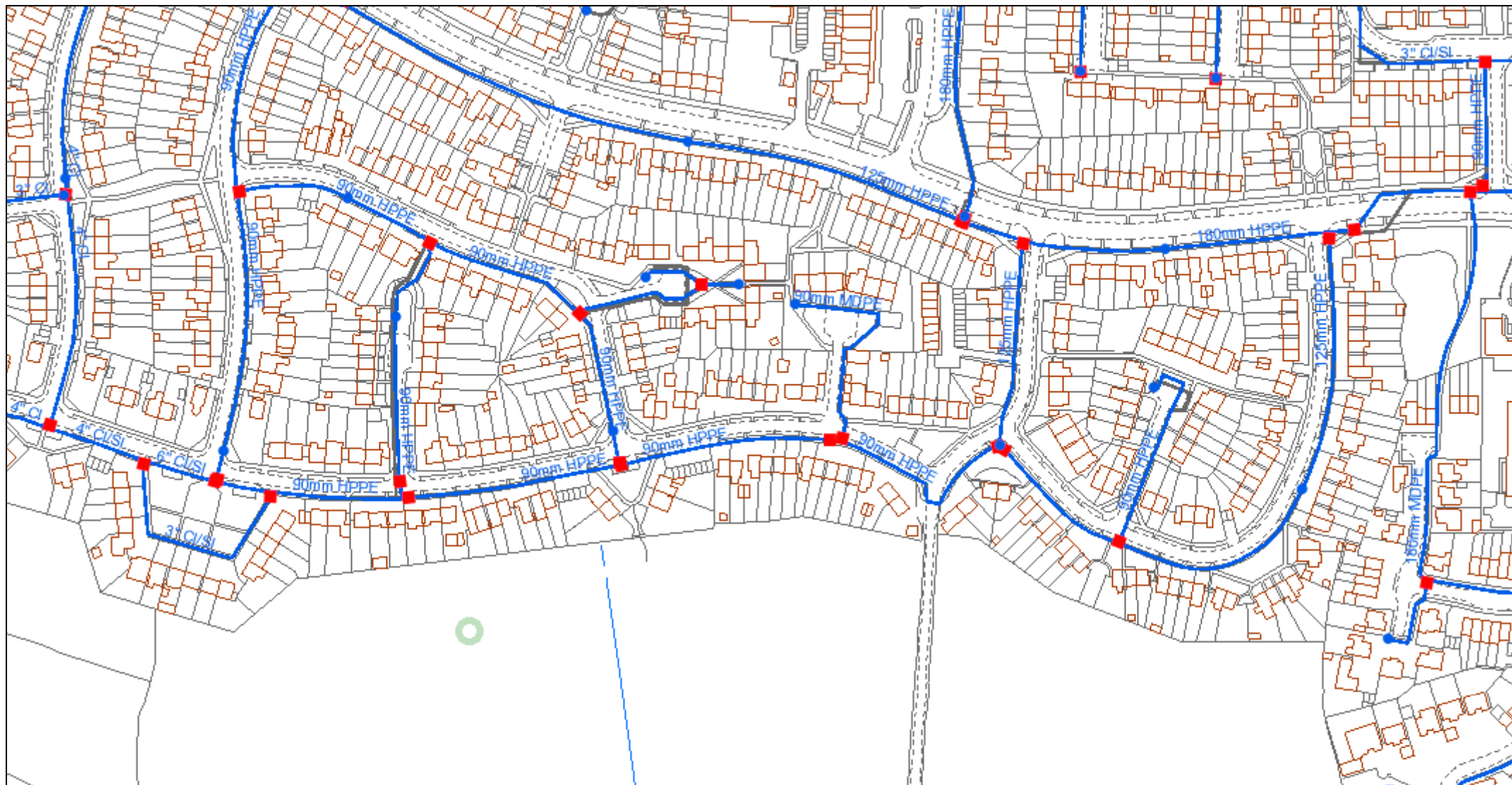
# WATER



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N  
1:2,500

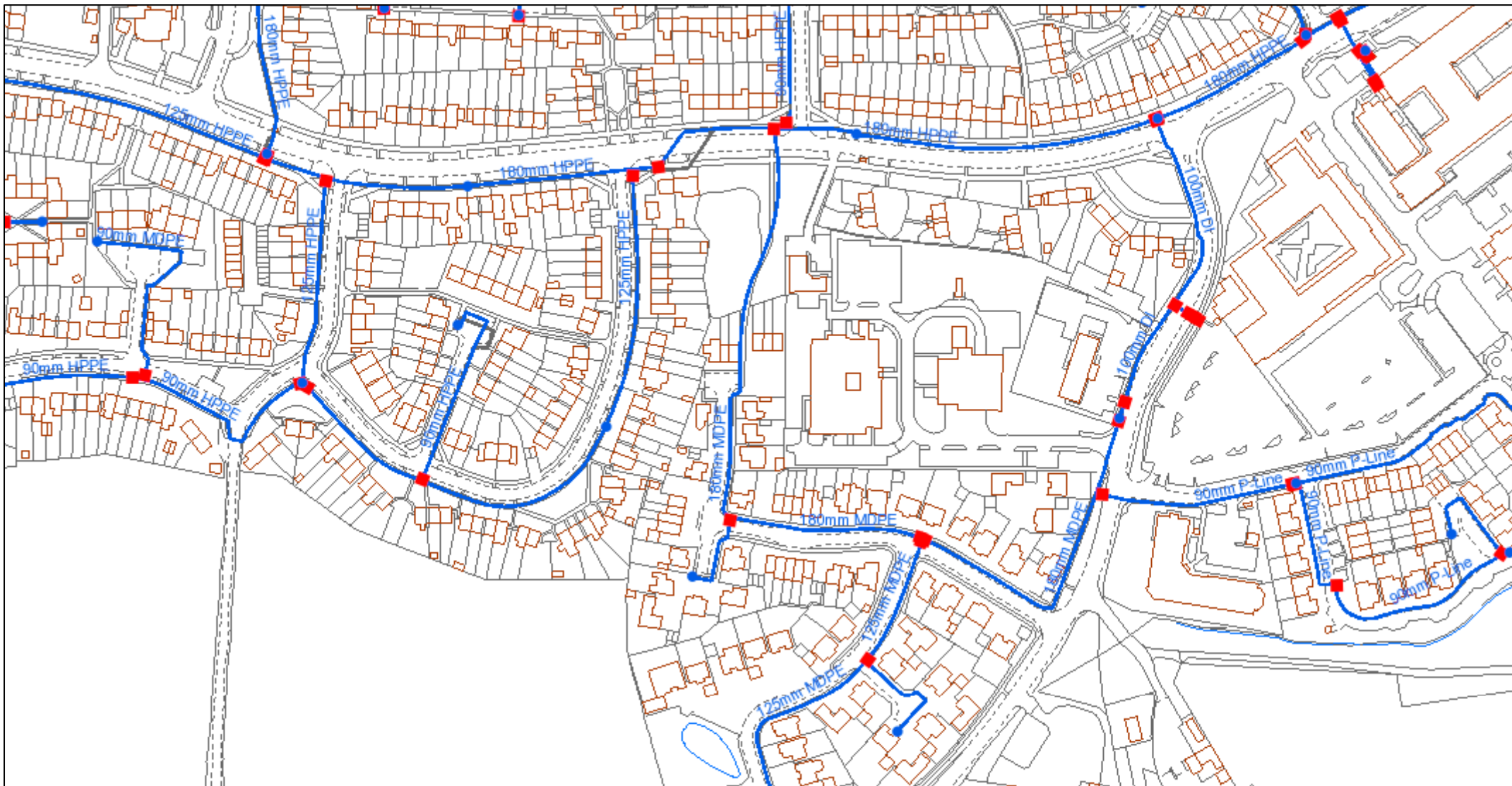
	Distribution Main		Hydrant
	Asbestos Distribution Main		Fitting
	Abandoned Main		Easement
	Asbestos Abandoned Main		Company Boundary
	Adit / Tunnel		
	Cable		
	Searched Location		



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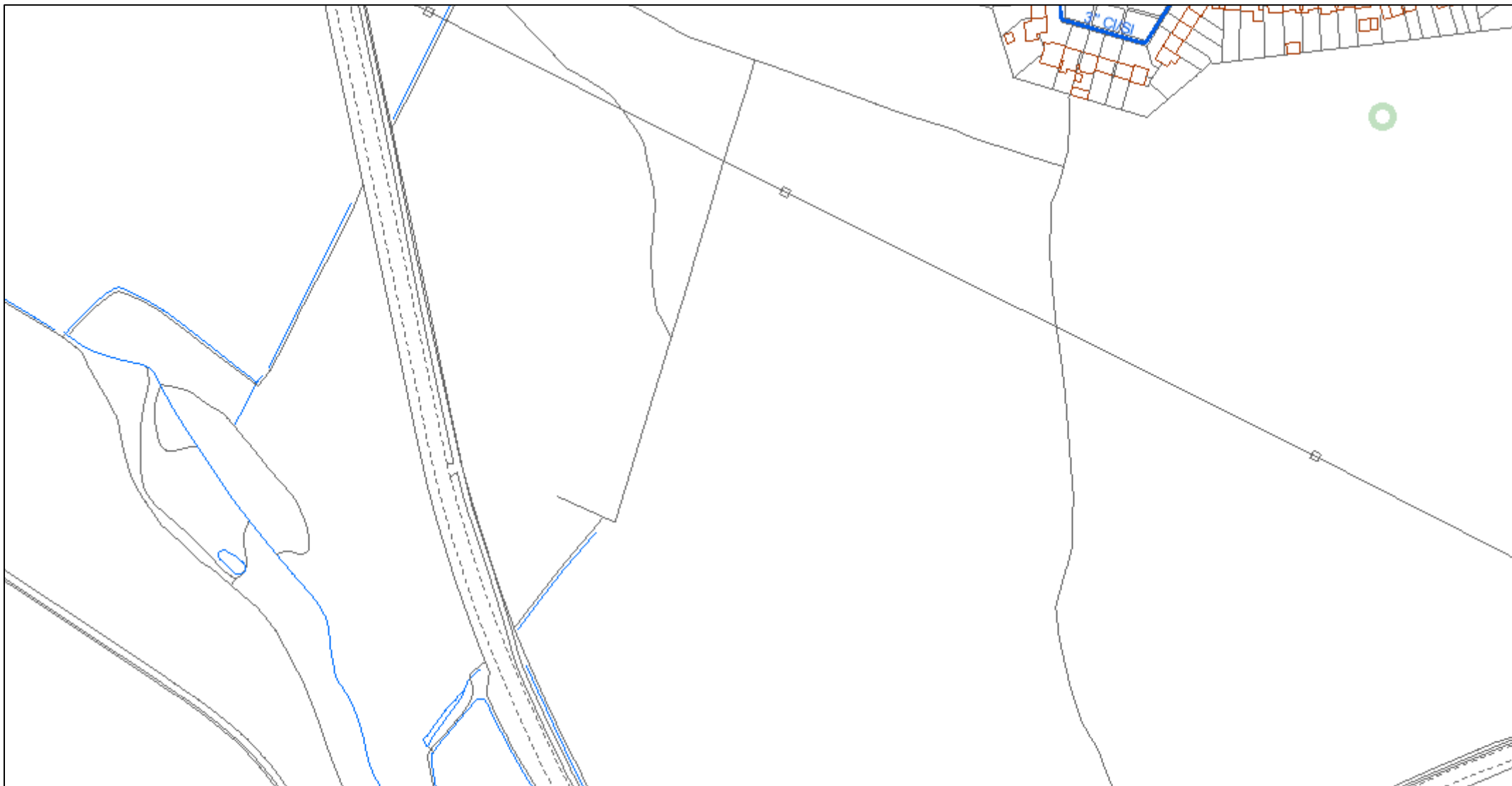
	Distribution Main		Hydrant
	Asbestos Distribution Main		Fitting
	Abandoned Main		Easement
	Asbestos Abandoned Main		Company Boundary
	Adit / Tunnel		
	Cable		
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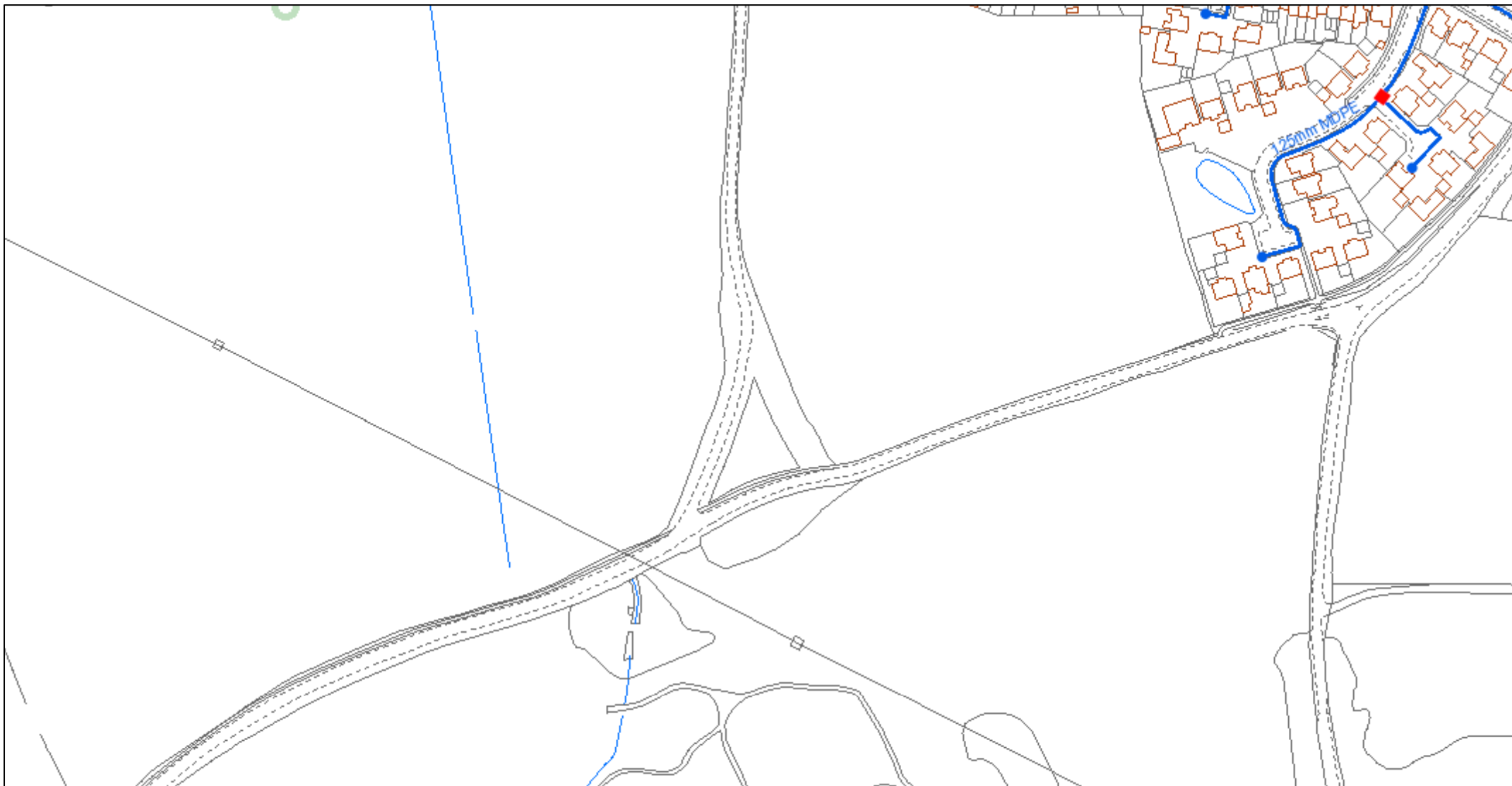
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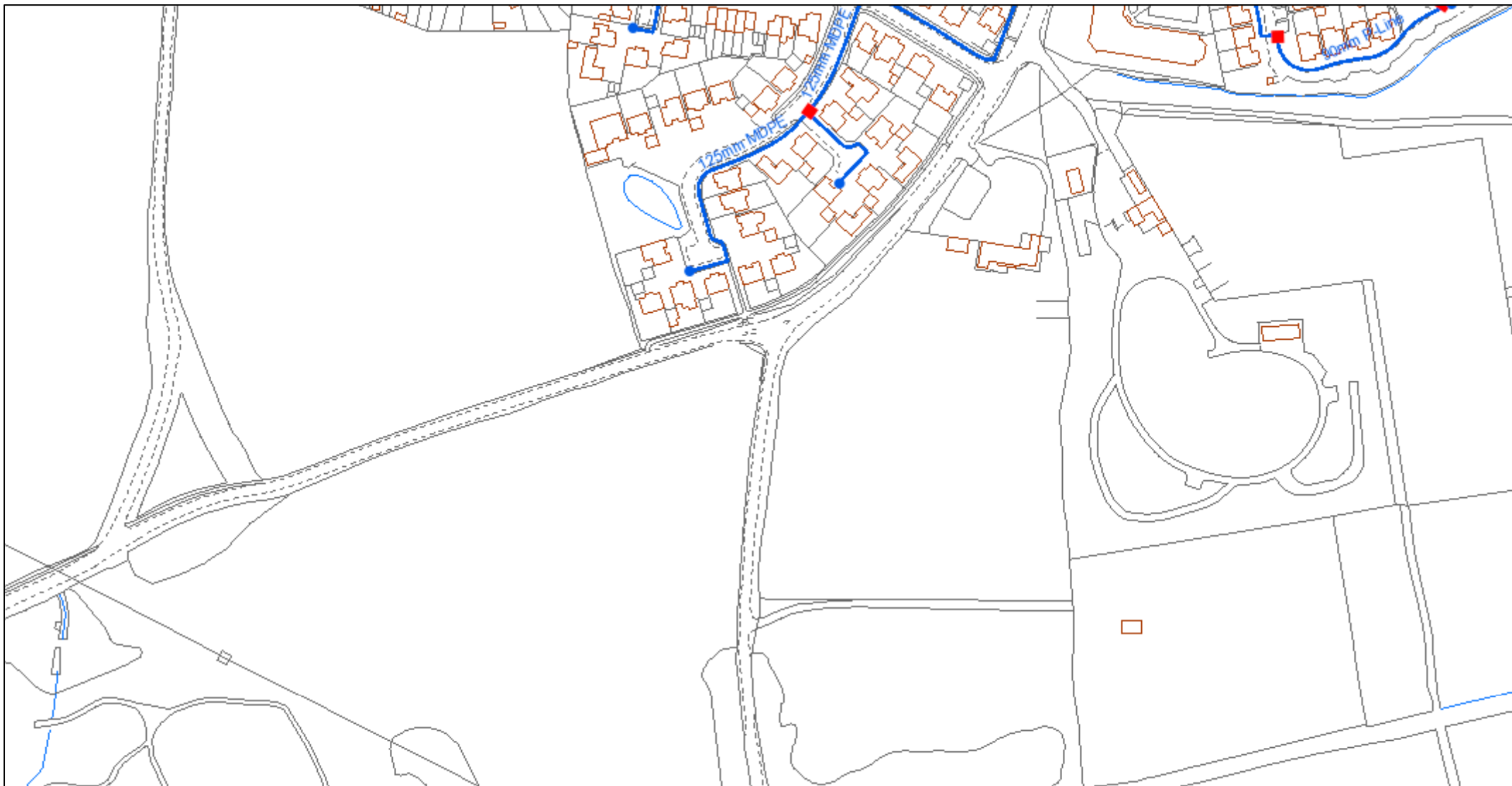
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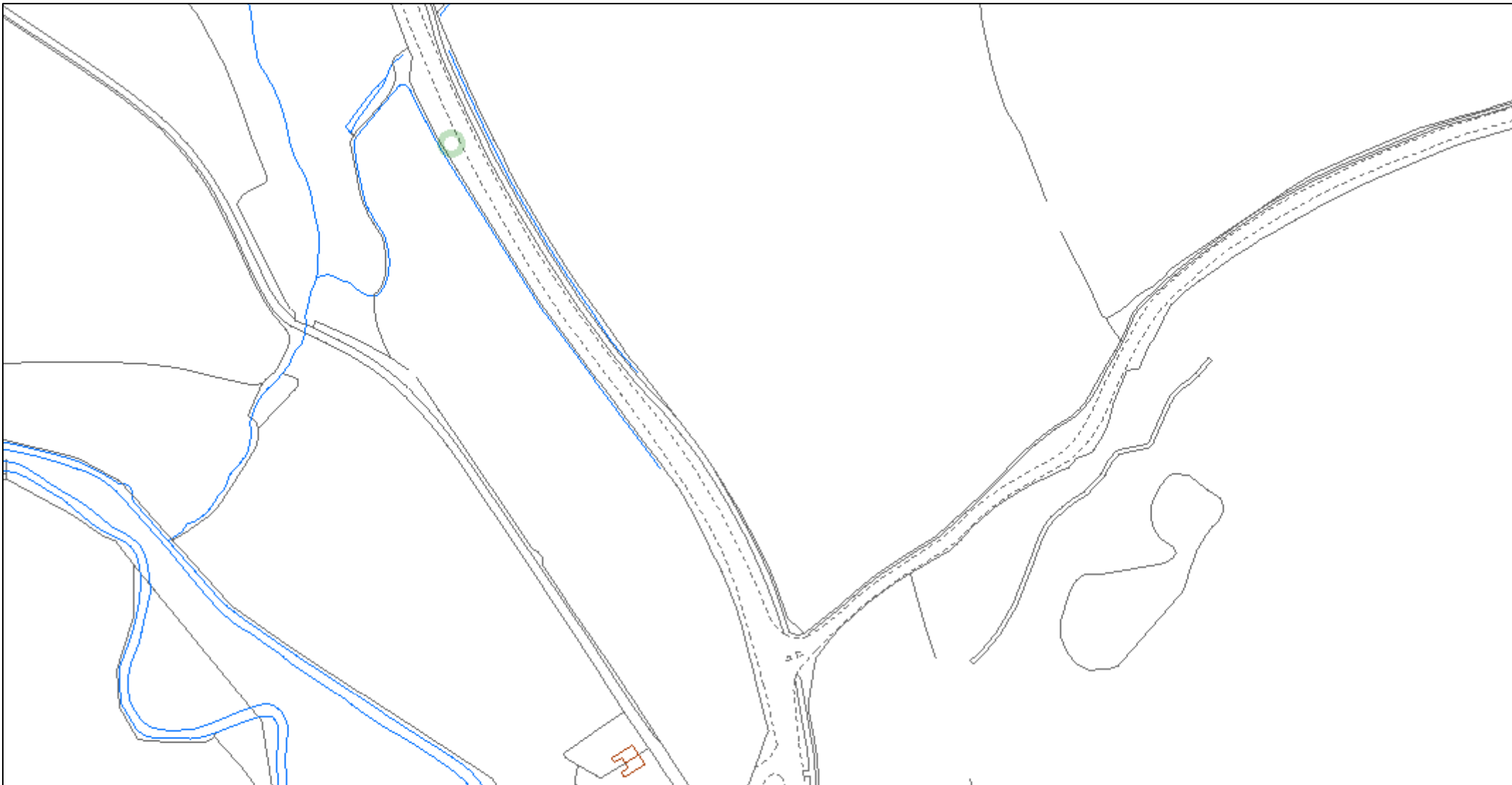
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	Searched Location		

**Affinity Water Limited – guidance on excavation in close proximity to our assets.**

The mains were originally laid at an approximate depth of 900mm from ground to top of pipe. As surface reference points may well have been altered since, both line and depth must be regarded as approximate only. The Company cannot accept responsibility for loss or damage that may occur as a result of inaccuracies in the particulars supplied and actual locations must be determined by hand dug trial holes.

Records of service connections and telemetry cables are not kept on these plans. However, if you would like our Customer Service Technician to visit the site to meet your representative and mark the location of known services within your proposed working area, please telephone our Call Centre on 0345 3572407 and they will make the necessary arrangements. Service pipes to individual properties (which are not shown) were originally laid at a depth of 750mm from ground level to top of pipe.

If you are working in close proximity to our apparatus, please ensure the following precautions are taken:

- Temporary and/or permanent support must be provided. In the event of damage occurring to our apparatus, all repair costs incurred by the Company will be charged to you or your contractor.
- The exact position of Company apparatus when required, should be determined by hand dug trial holes.
- Telemetry cables and service pipes to individual properties may exist adjacent to the main and will generally not be indicated on the plan. You must not, therefore, assume that the Company has no apparatus within the vicinity other than that which is shown on the plan.
- Contractors should not increase the overburden pressure on mains. Contractors should avoid increasing or decreasing the depth of cover by more than 150mm. No buildings are to be erected within 2m of the main.
- Will you please ensure that all surface boxes and marker posts and plates belonging to the Company are kept clear during your works and realigned to any revised surface levels. In addition, no manholes, joint boxes, trees or other obstructions shall be placed over the Company's apparatus or in any position likely to cause difficulty for us to maintain our apparatus in the future.
- Once work has been completed the pipes should be surrounded by a layer of compacted sand and the marker tape replaced. The remainder of the backfill should not contain any large lumps of hard materials or sharp objects. Any pipe exposed by an excavation must be adequately supported for the whole of the exposed length. The pipe or support must not be used as a step or hand hold.
- All bends on mains are restrained by concrete thrust blocks bearing upon the surrounding soil. Under no circumstances should thrust blocks be disturbed or removed. If the thrust block needs to be removed approval will need to be gained from the Company.
- In the event of any leakage or damage sustained to any water main or ancillary equipment the Company must be notified immediately.

# SEWER

# Asset location search



## Property Searches

Cornerstone Projects LTD  
91Market Street  
HOYLAKE  
WIRRAL  
CH47 5AA

**Search address supplied** AL7 4EG

**Your reference** 70084491

**Our reference** ALS/ALS Standard/2021\_4451886

**Search date** 18 June 2021

### Knowledge of features below the surface is essential for every development

The benefits of this knowledge not only include ensuring due diligence and avoiding risk, but also being able to ascertain the feasibility of any development.

Did you know that Thames Water Property Searches can also provide a variety of utility searches including a more comprehensive view of utility providers' assets (across up to 35-45 different providers), as well as more focused searches relating to specific major utility companies such as National Grid (gas and electric).

Contact us to find out more.



Thames Water Utilities Ltd  
Property Searches, PO Box 3189, Slough SL1 4WW  
DX 151280 Slough 13



[searches@thameswater.co.uk](mailto:searches@thameswater.co.uk)  
[www.thameswater-propertysearches.co.uk](http://www.thameswater-propertysearches.co.uk)



0800 009 4540

**Search address supplied:** AL7 4EG

Dear Sir / Madam

**An Asset Location Search is recommended when undertaking a site development.** It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This search provides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

### Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0800 009 4540, or use the address below:

Thames Water Utilities Ltd  
Property Searches  
PO Box 3189  
Slough  
SL1 4WW

Email: [searches@thameswater.co.uk](mailto:searches@thameswater.co.uk)

Web: [www.thameswater-propertysearches.co.uk](http://www.thameswater-propertysearches.co.uk)

### Waste Water Services

**Please provide a copy extract from the public sewer map.**

The following quartiles have been printed as they fall within Thames' sewerage area:

TL2310NE  
TL2311SE  
TL2410NE  
TL2410SW  
TL2410NW  
TL2411SW  
TL2310SE

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended these details be checked with the developer.

### Clean Water Services

**Please provide a copy extract from the public water main map.**

Following examination of our statutory maps, Thames Water has been unable to find any plans of water mains within this area. If you require a connection to the public water supply system, please write to:

New Connections / Diversions  
Thames Water  
Network Services Business Centre  
Brentford  
Middlesex  
TW8 0EE

Tel: 0845 850 2777  
Fax: 0207 713 3858  
Email: [developer.services@thameswater.co.uk](mailto:developer.services@thameswater.co.uk)

The following quartiles have not been printed as they are out of Thames' water catchment area. For details of the assets requested please contact the water company indicated below:

TL2310NE	Affinity Water
TL2311SE	Affinity Water
TL2410NE	Affinity Water
TL2410SW	Affinity Water
TL2410NW	Affinity Water
TL2411SW	Affinity Water
TL2310SE	Affinity Water

Affinity Water Ltd  
Tamblin Way  
Hatfield  
AL10 9EZ

Tel: 0345 3572401

For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

### Payment for this Search

A charge will be added to your suppliers account.

### Further contacts:

#### Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre on Tel: 0845 920 0800. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, budget estimates, diversions, building over issues or any other questions regarding operational issues please direct them to our service desk. Which can be contacted by writing to:

Developer Services (Waste Water)  
Thames Water  
Clearwater Court  
Vastern Road  
Reading  
RG1 8DB

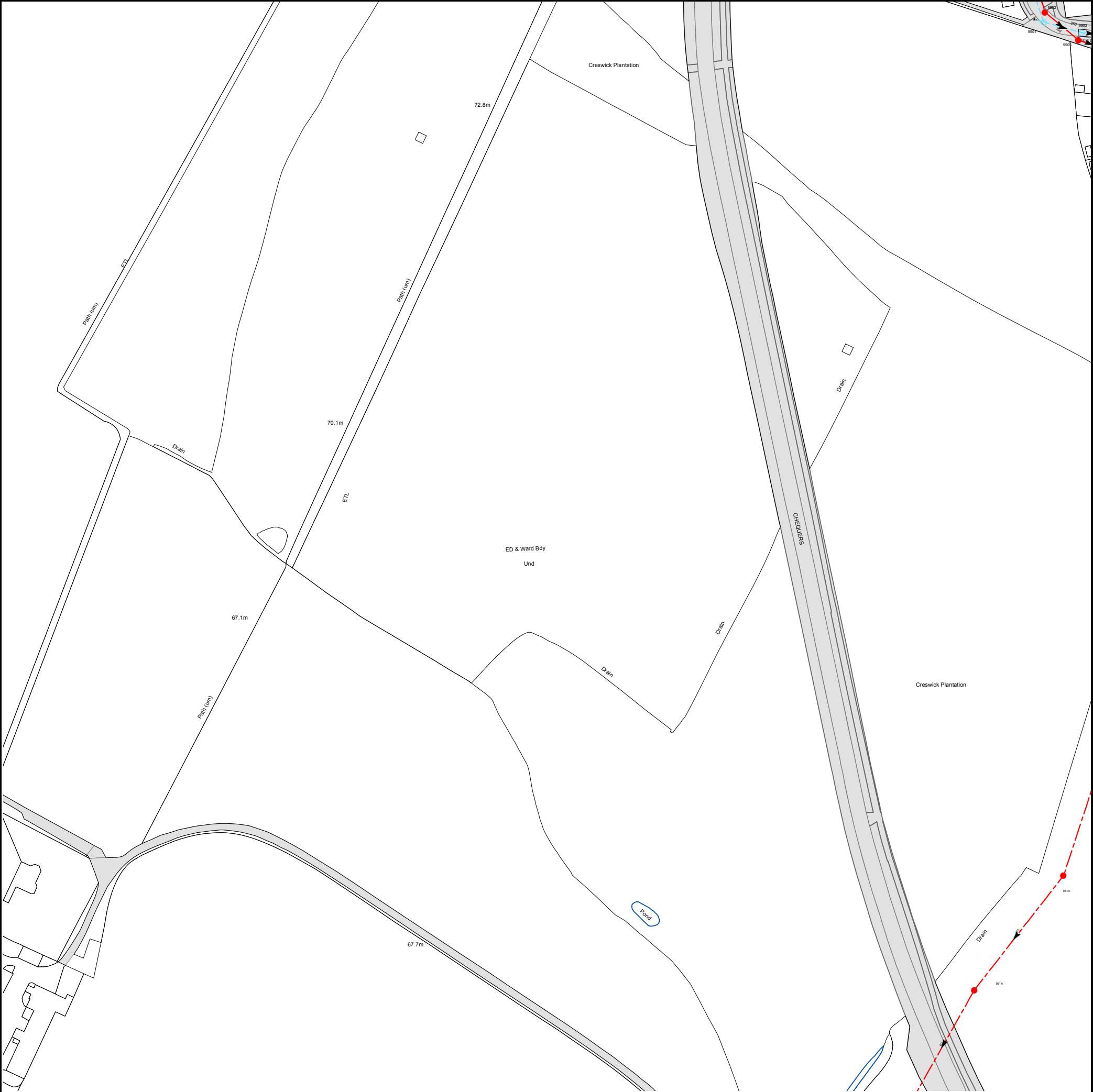
Tel: 0800 009 3921  
Email: [developer.services@thameswater.co.uk](mailto:developer.services@thameswater.co.uk)

#### Clean Water queries

Should you require any advice concerning clean water operational issues or clean water connections, please contact:

Developer Services (Clean Water)  
Thames Water  
Clearwater Court  
Vastern Road  
Reading  
RG1 8DB

Tel: 0800 009 3921  
Email: [developer.services@thameswater.co.uk](mailto:developer.services@thameswater.co.uk)



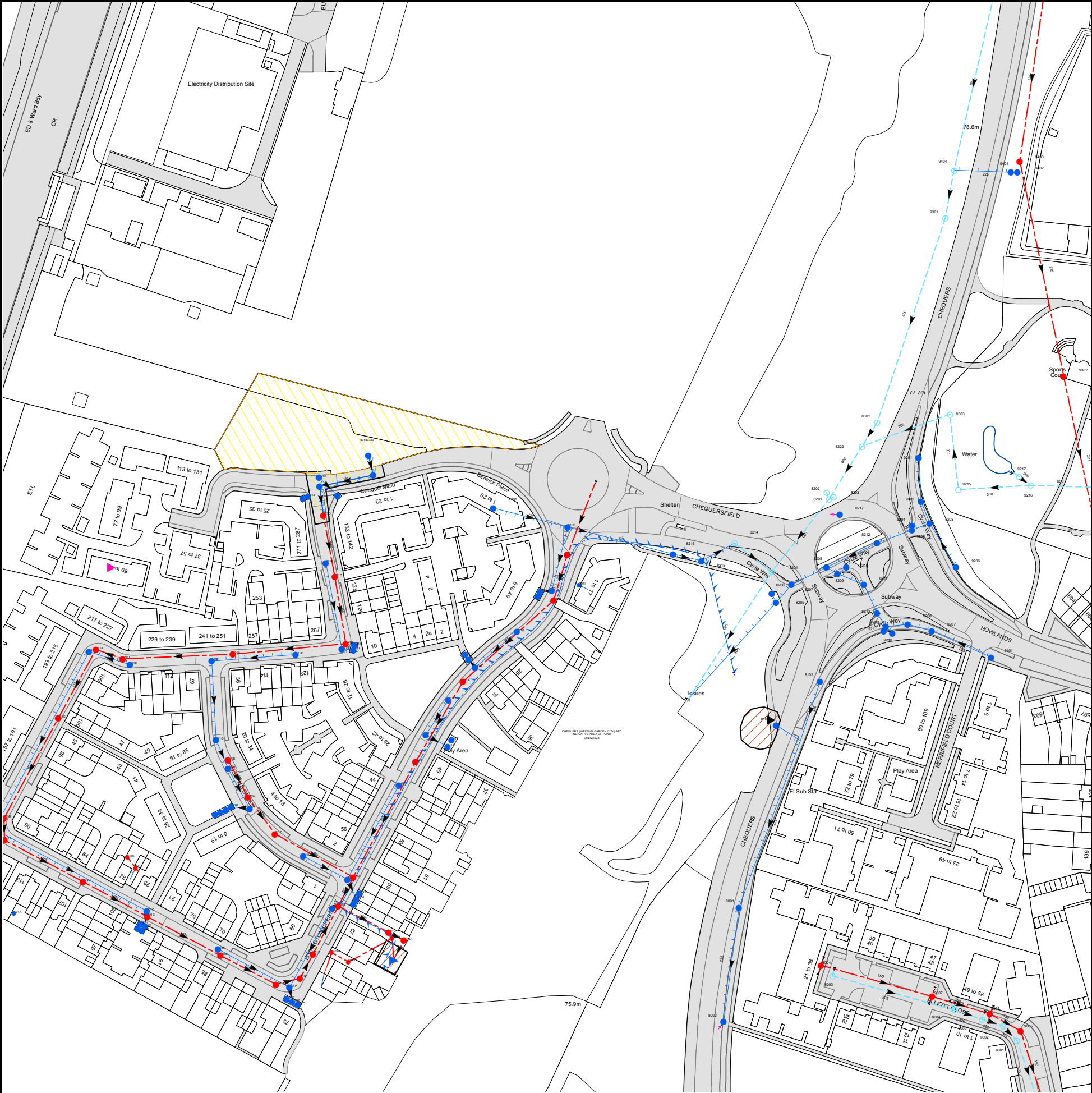
The width of the displayed area is 500m and the centre of the map is located at OS coordinates 523750,210750

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

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NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
9905	n/a	n/a
9903	n/a	n/a
9901	n/a	n/a
9902	n/a	n/a
951A	68.3	64.1
961A	73.23	71.49
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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 523750,211250

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NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
9201	76.65	75.42
9303	n/a	76.13
9302	80.22	77.4
9301	78.14	76.7
9402	79.1	78.52
9401	79.13	77.8
9404	78.3	77.02
9403	79.1	77.9
9206	76.56	75.02
9205	75.37	74.42
9219	n/a	77.1
9204	75.45	74.58
9203	75.58	74.51
9202	75.85	74.75
9215	n/a	76.8
9216	n/a	77.13
9217	n/a	n/a
8209	75.29	74.34
8204	76.02	74.84
8210	75.35	74.49
8208	75.28	74.16
621F	75.32	73.46
8215	77.83	76.3
721A	n/a	n/a
8216	78.16	76.52
8212	75.3	74.38
8214	77.92	75.82
721C	n/a	n/a
621D	75.18	73.27
8217	78.36	76.56
7201	78.74	77.19
8201	77.82	75.12
621L	n/a	n/a
8203	77.85	75.33
621J	n/a	n/a
621M	n/a	n/a
8202	77.34	75.36
621K	n/a	n/a
n/a	n/a	n/a
8222	n/a	n/a
8301	77.35	76.12
9007	n/a	n/a
9101	78.9	76.76
9210	76.91	75.74
9207	77.59	76.07
9211	76.45	75.49
9209	76.41	74.97
9208	76.86	75.57
8213	75.98	74.82
8211	75.54	74.51
601W	n/a	n/a
611F	73.01	71.9
601D	69.55	68.01
611A	73.63	71.53
611E	74.03	72.8
711E	n/a	n/a
711D	74.35	73.12
711F	n/a	n/a
711A	74.53	72.38
721H	n/a	n/a
711C	n/a	n/a
711B	74.85	73.64
721G	75.21	74
721F	n/a	n/a
721E	n/a	n/a
721D	75.8	74.6
721B	75.71	73.56
721I	n/a	n/a
8002	76.74	75.14
8001	77.69	75.67
8206	75.81	74.78
8103	77.95	77.08
8205	75.75	74.07
8207	75.41	74.1
8102	77.89	76.43
8004	n/a	n/a
8003	n/a	n/a
9001	n/a	n/a
9005	n/a	n/a
9002	n/a	n/a
9003	n/a	n/a
9006	n/a	n/a
9004	n/a	n/a
n/a	n/a	n/a
n/a	n/a	n/a
501B	71.11	69.4
501E	71.15	70.08
501J	n/a	n/a
501K	n/a	n/a
501I	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
501H	n/a	n/a
501C	71.73	69.89
501A	n/a	n/a
501G	71.75	70.4
501D	72.06	70.34
511J	n/a	n/a
511K	n/a	n/a
511A	72.74	70.89
511B	72.85	71
511H	n/a	n/a
511I	n/a	n/a
611J	n/a	n/a
611K	n/a	n/a
611H	72.1	70.73
611B	72.28	70.31
511G	72.48	71.2
511C	73.57	71.72
511E	74.12	72.81
511F	74.67	72.9
511D	74.08	72.21
621A	74.77	72.55
521B	74.04	72.61
521A	74.05	72.14
611C	71.71	69.73
611I	71.64	70.1
611D	71.3	69.45
601G	70.83	69
601S	n/a	n/a
601P	70.78	69.33
601R	n/a	n/a
621E	75.05	73.14
601Q	n/a	n/a
601F	70.71	68.88
611G	71.07	69.99
601E	70.52	68.68
601U	n/a	n/a
601O	70.7	69.5
621C	75.38	73.09
601B	70.76	68.43
621G	75.34	73.2
621B	75.37	72.89
601H	71.22	69.9
601V	n/a	n/a
601A	71.29	69.1
601L	n/a	n/a
621I	n/a	n/a
621H	n/a	n/a
601M	n/a	n/a
601N	n/a	n/a
601C	69.88	68.17
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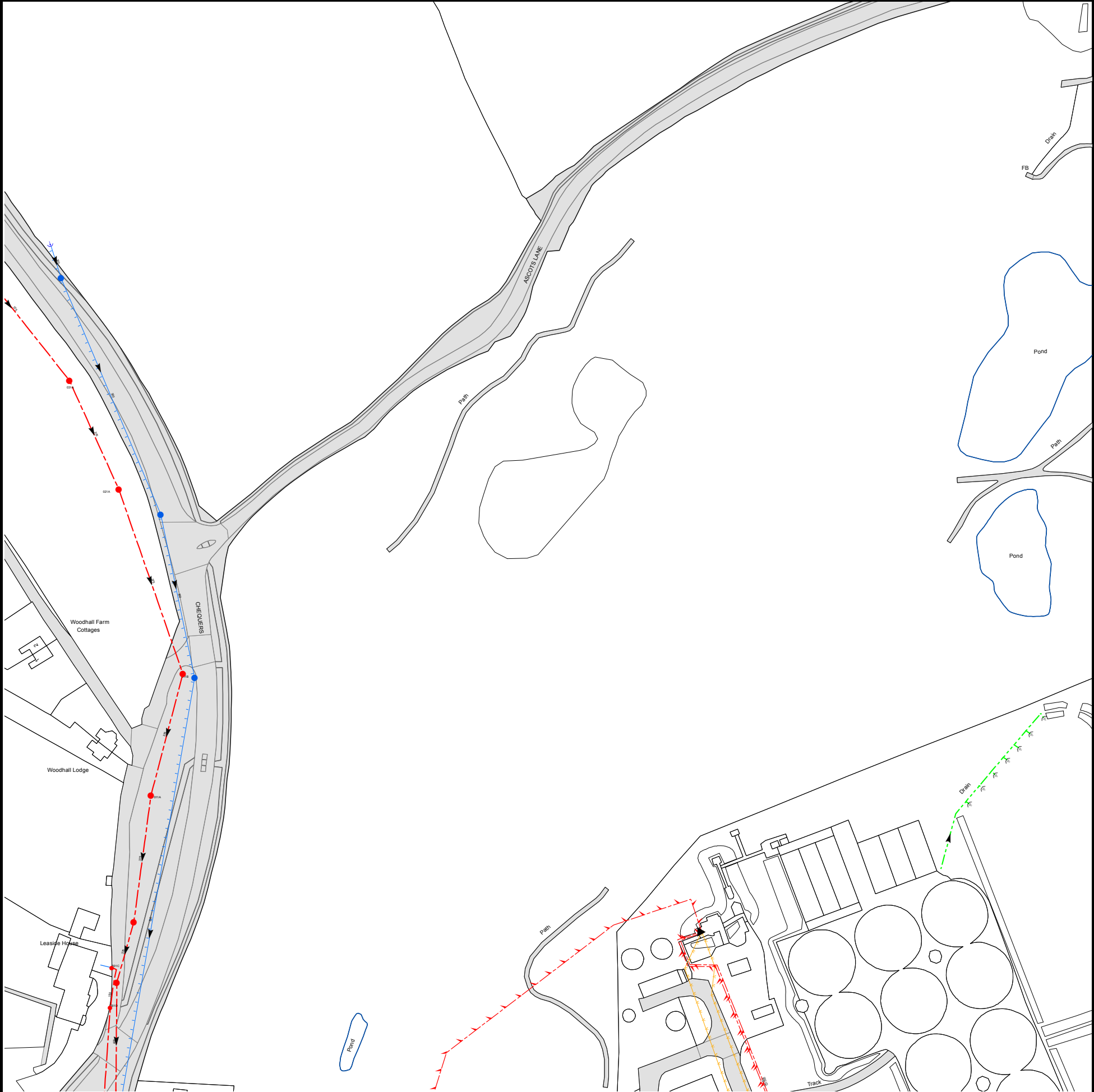
The width of the displayed area is 500m and the centre of the map is located at OS coordinates 524750,210750

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

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Manhole Reference	Manhole Cover Level	Manhole Invert Level
6902	77.14	73.27
6901	76.96	73.03
691A	n/a	n/a
10	n/a	n/a
791B	n/a	n/a
7901	76.64	72.96
8902	76.32	74.41
8901	76.19	72.44
9901	75.13	72.07
9902	74.75	70.2
591A	n/a	n/a
5804	75.79	72.79
581A	n/a	n/a
5902	77.51	74.26
7808	75.1	71.59
7806	75.47	73.65
7807	75.32	71.42
7805	75.63	74.34
7804	75.59	73.95
8711	74.66	72.41
8805	75.4	72.9
8802	75.4	71.91
8706	75.03	72.62
8707	75.05	72.48
8806	75.44	72.81
8803	75.37	72.06
8705	75.27	72.54
8704	75.26	72.44
8807	75.3	72.7
8801	75.62	71.07
8804	75.26	72.23
8703	75.23	72.94
8701	75.21	72.36
8903	75.43	70.79
8702	75.06	72.67
9903	75.19	73.19
9701	74.74	73.19
9904	75.28	70.62
991A	n/a	n/a
991B	n/a	n/a
991C	n/a	n/a
5801	76.49	73.57
591B	n/a	n/a
591D	n/a	n/a
591C	n/a	n/a
5803	76.61	72.57
5901	77.19	73.72
5802	76.62	73.52
6801	76.47	73.99
6804	76.19	72.27
691B	n/a	n/a
6802	76.11	74.13
6904	76.94	75.07
6903	76.77	74.72
6805	75.58	72.07
6803	75.5	73.86
6806	75.43	71.96
7801	75.54	73.69
7802	75.41	71.71
7902	75.99	73.32
781A	n/a	n/a
7903	76.53	74.86
7904	75.81	73.85
771A	n/a	n/a
7803	75.34	71.46
7701	74.77	73.34
7702	74.78	72.97
7809	75.1	73.05
8501	73.4	70.3
8603	73	70.45
8602	73.94	71.46
7602	74.36	71.83
8601	74.33	71.75
7601	74.36	73.3
7706	74.19	72.05
7705	74.19	73.08
7704	74.21	73
7703	74.24	72.21
8708	74.51	72.87
8709	74.59	73.15
8710	74.64	72.82
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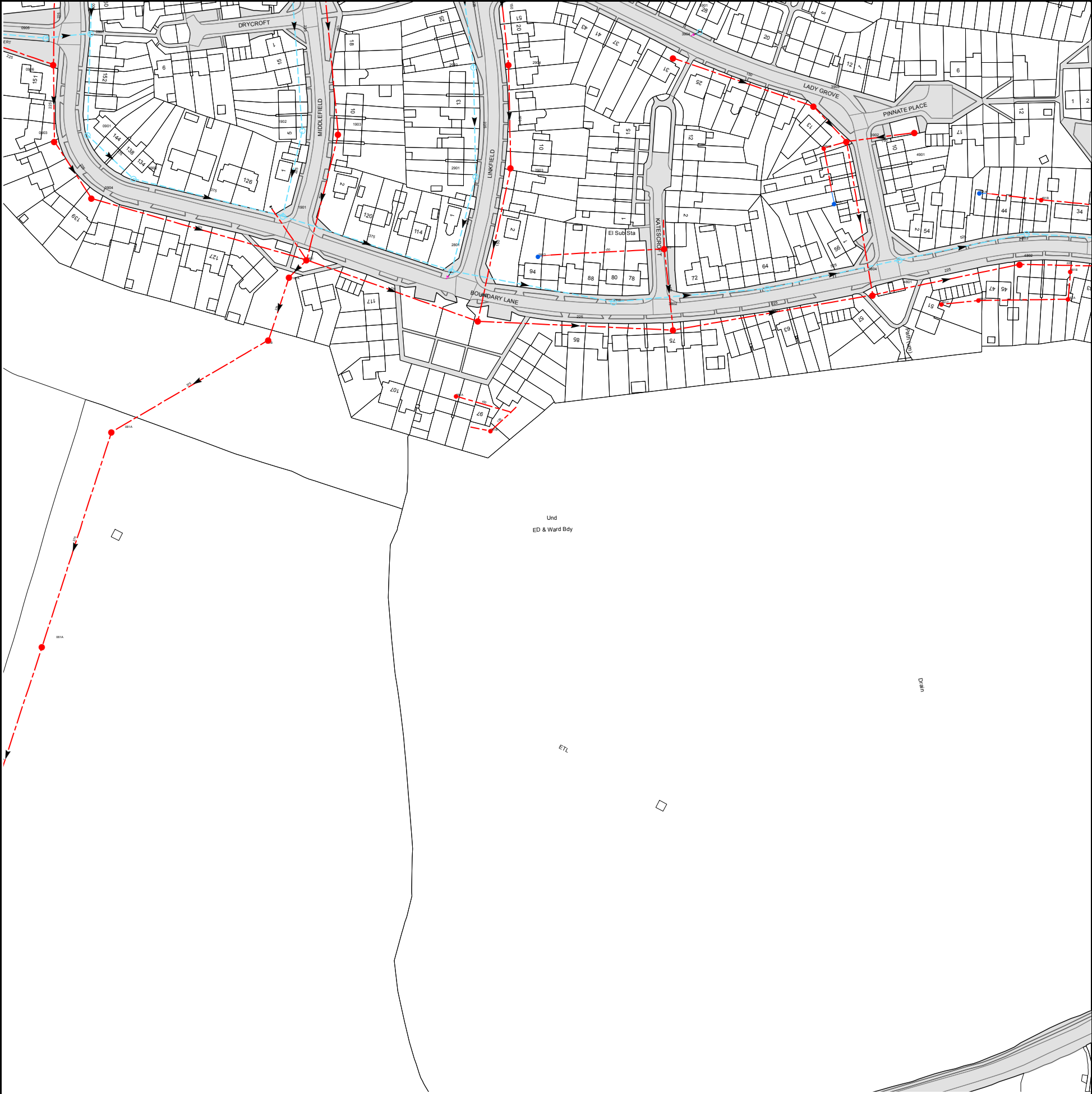
The width of the displayed area is 500m and the centre of the map is located at OS coordinates 524250,210250

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

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Manhole Reference	Manhole Cover Level	Manhole Invert Level
001D	n/a	n/a
001A	61.62	58.18
001C	n/a	n/a
001B	63.25	60.98
011A	63.76	61.74
011C	n/a	n/a
011B	64.21	62.04
021B	n/a	n/a
021A	65.2	62.45
031A	65.47	62.7
031B	n/a	n/a
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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 524250,210750

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Manhole Reference	Manhole Cover Level	Manhole Invert Level
3903	77.42	75.17
3902	77.23	74.87
3804	75.99	73.4
4801	75.88	73.97
4901	77.51	75.34
481C	n/a	n/a
481D	n/a	n/a
491A	n/a	n/a
4803	75.84	73.06
4802	75.99	73.82
491B	n/a	n/a
481A	n/a	n/a
481B	n/a	n/a
2801	76.69	74.6
281A	n/a	n/a
2902	78.22	75.96
2901	77.58	75.43
2802	76.51	74.31
281B	n/a	n/a
2904	78.21	76.24
2903	77.48	75.7
281D	n/a	n/a
281C	n/a	n/a
3803	76.6	75.22
3904	77.8	75.97
3802	76	73.84
3901	77.87	76.07
3801	75.94	74.09
081A	75.92	74.08
181B	76.41	74.63
181A	76.97	74.73
1801	77.12	74.8
1901	77.24	75.08
0904	77.01	75.21
0902	77.19	75.38
0903	77.04	75.38
0901	77.16	75.51
1903	77.9	76.02
1902	77.94	75.92
0906	77.58	75.79
0905	n/a	n/a
0907	n/a	n/a
061A	74.76	73.16
391A	n/a	n/a
391B	n/a	n/a
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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 524250,211250  
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated.  
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
1401	84.94	83.7
1304	n/a	82.04
2306	n/a	81.4
2302	n/a	82.1
2307	n/a	81.56
2303	n/a	82.3
2308	n/a	81.97
2401	84.46	83.08
2304	n/a	82.39
2309	n/a	82.19
3407	n/a	82.54
331A	n/a	n/a
3302	83.2	81.85
3306	83.31	82.12
3404	83.9	82.19
3304	83.25	81.86
3305	83.24	81.86
3301	83.37	81.83
3405	83.2	81.77
3401	83.21	81.56
3403	83.16	81.74
341A	n/a	n/a
3402	83.03	81.38
341C	n/a	n/a
4404	82.41	80.57
4408	82.37	80.84
4407	81.95	80.19
4403	81.95	79.91
4405	81.24	78.88
4401	81.24	78.9
4406	81.39	79.59
4402	81.4	79.57
441B	n/a	n/a
441A	n/a	n/a
1306	n/a	80.7
1301	n/a	81.48
0306	n/a	79.97
0302	n/a	80.75
0303	n/a	79.75
0301	n/a	80.14
1402	84.3	83.09
121C	n/a	n/a
021B	81.54	80.48
0201	n/a	n/a
021J	n/a	n/a
021D	n/a	n/a
021C	n/a	n/a
021F	n/a	n/a
021G	n/a	n/a
021H	n/a	n/a
021I	n/a	n/a
0203	n/a	80.37
021A	n/a	n/a
1203	n/a	79.19
021E	n/a	n/a
0204	n/a	79.67
0206	81.8	78.18
0205	n/a	77.65
0202	n/a	78.07
311A	n/a	n/a
3102	79.65	77.67
411A	n/a	n/a
431C	n/a	n/a
431B	n/a	n/a
4101	78.98	76.78
431F	n/a	n/a
431D	n/a	n/a
431E	n/a	n/a
4201	80.09	78.65
4202	81.02	78.11
431A	n/a	n/a
4203	80.29	78.57
4102	78.95	76.64
121A	n/a	n/a
1302	n/a	81.6
1101	80.77	78.29
1307	n/a	80.88
121B	n/a	n/a
1104	n/a	80.84
1205	n/a	79.73
1202	n/a	80.35
1204	82.64	79.64
1201	n/a	80.06
111D	n/a	n/a
1303	n/a	81.72
1308	n/a	81.04
2101	80.71	79.35
221D	n/a	n/a
221A	n/a	n/a
221E	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
221C	n/a	n/a
221B	n/a	n/a
2305	n/a	81.83
2301	n/a	82.17
221F	n/a	n/a
2201	n/a	80.75
2202	n/a	80.39
3101	79.67	77.94
3307	83.33	82.31
3303	82.26	81.21
1001	79.72	77.52
1003	79.56	77.61
0002	78.86	76.73
0101	79	76.28
1103	80.41	78.39
0105	79.53	77.55
0109	79.43	76.34
011B	n/a	n/a
011A	n/a	n/a
1102	81.08	79.88
0103	80.87	79.05
111C	n/a	n/a
0108	81.24	79.29
111B	n/a	n/a
111A	n/a	n/a
0102	79.83	76.57
0106	80.2	78.01
0107	79.71	78.1
3001	78.4	76.27
4002	78.13	76.3
4001	77.69	74.86
4003	77.62	75.38
101A	n/a	n/a
2004	78.7	76.63
201C	n/a	n/a
201B	n/a	n/a
2003	79.16	77.23
2002	78.64	76.91
2001	78.74	77.17
2102	79.71	78.1
201A	n/a	n/a
301A	n/a	n/a
3002	78.69	76.9
301B	n/a	n/a
0001	78.03	76.01
1004	79.03	77.18
1002	79.23	76.98
011C	n/a	n/a
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
931A	65.51	63.16
941A	65.44	63.44
951B	65.76	63.89
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## ALS Sewer Map Key

### Public Sewer Types (Operated & Maintained by Thames Water)

	<b>Foul:</b> A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
	<b>Surface Water:</b> A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
	<b>Combined:</b> A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
	Trunk Surface Water
	Trunk Foul
	Storm Relief
	Trunk Combined
	Vent Pipe
	Bio-solids (Sludge)
	Proposed Thames Surface Water Sewer
	Proposed Thames Water Foul Sewer
	Gallery
	Foul Rising Main
	Surface Water Rising Main
	Sludge Rising Main
	Combined Rising Main
	Proposed Thames Water Rising Main
	Vacuum

#### Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or 'D' on a manhole level indicates that data is unavailable.

### Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

	Air Valve
	Dam Chase
	Fitting
	Meter
	Vent Column

### Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

	Control Valve
	Drop Pipe
	Ancillary
	Weir

### End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

	Outfall
	Undefined End
	Inlet

### Other Symbols

Symbols used on maps which do not fall under other general categories

	Public/Private Pumping Station
	Change of characteristic indicator (C.O.C.I.)
	Invert Level
	Summit

#### Areas

Lines denoting areas of underground surveys, etc.

	Agreement
	Operational Site
	Chamber
	Tunnel
	Conduit Bridge

### Other Sewer Types (Not Operated or Maintained by Thames Water)

	Foul Sewer
	Surface Water Sewer
	Combined Sewer
	Gully
	Culverted Watercourse
	Proposed
	Abandoned Sewer

- 6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Searches on 0800 009 4540.

BT

Our Ref: Ref shown on map

email: [nnhc@openreach.co.uk](mailto:nnhc@openreach.co.uk)

Date of issue shown on map

Dear Customer,

**NR & SW ACT 1991 – PROPOSED WORKS AT:**

Prior to commencement of work: for free onsite guidance and accurate up to date location of BT plant please contact our Plant Protection Service by the following methods

**Email Dial before you dig** [CBYD@openreach.co.uk](mailto:CBYD@openreach.co.uk)

**Visit the website** [www.openreach.co.uk/cbyd](http://www.openreach.co.uk/cbyd)

Thank you for your request of                      describing the above proposals.

Enclosed are copies of our drawing marked up to show the approximate locations of BT 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 British Telecommunications plc 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 British Telecommunications plc plant. If scaffolding is erected, please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by the scaffolding.

In the event of BT apparatus being in the area of works we recommend that your plant/vehicle crossing is either resited, or apply for a budget estimate by submitting detailed plans to the above address, these will be forwarded to the appropriate department for their comments.

Please ensure you quote our reference on any future correspondence.

Yours faithfully,

## 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](mailto:cbyd@openreach.co.uk)

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Please contact our Network Protection Service by Email on [cbyd@openreach.co.uk](mailto: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.

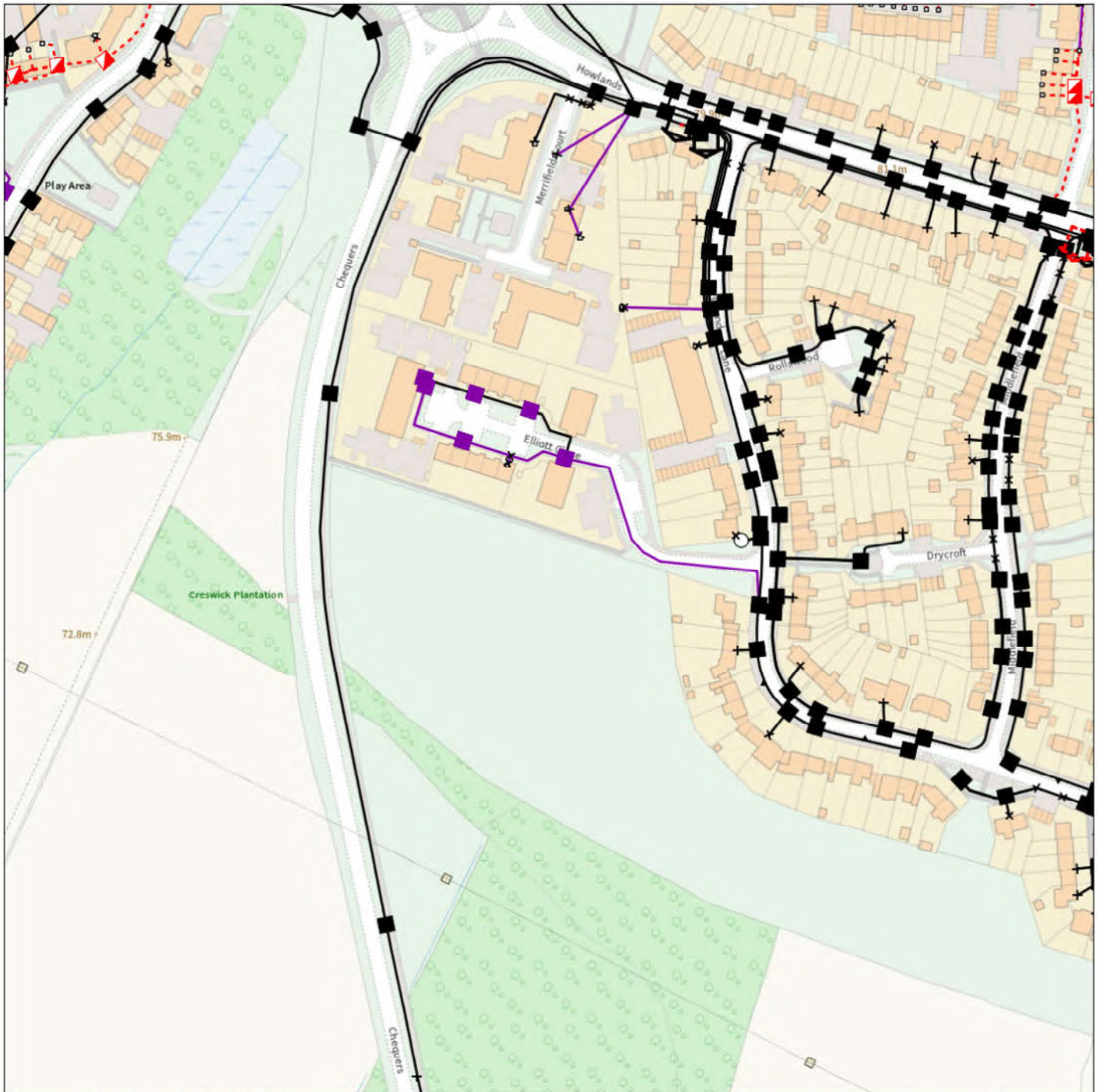
<http://www.newdevelopments-openreach.co.uk/ContactUs.aspx>

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 [www.openreach.co.uk/alterationscontacts](http://www.openreach.co.uk/alterationscontacts) for contact details of the Repayments Office covering the development area.

Yours faithfully,

## Openreach newSites

# Maps by email Plant Information Reply



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### CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email [cbyd@openreach.co.uk](mailto:cbyd@openreach.co.uk)

ADVANCE NOTICE REQUIRED  
(Office hours: Monday - Friday 08.00 to 17.00)  
[www.openreach.co.uk/cbyd](http://www.openreach.co.uk/cbyd)

### 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

## KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : OON03513V

Map Reference : (centre) TL2393210990

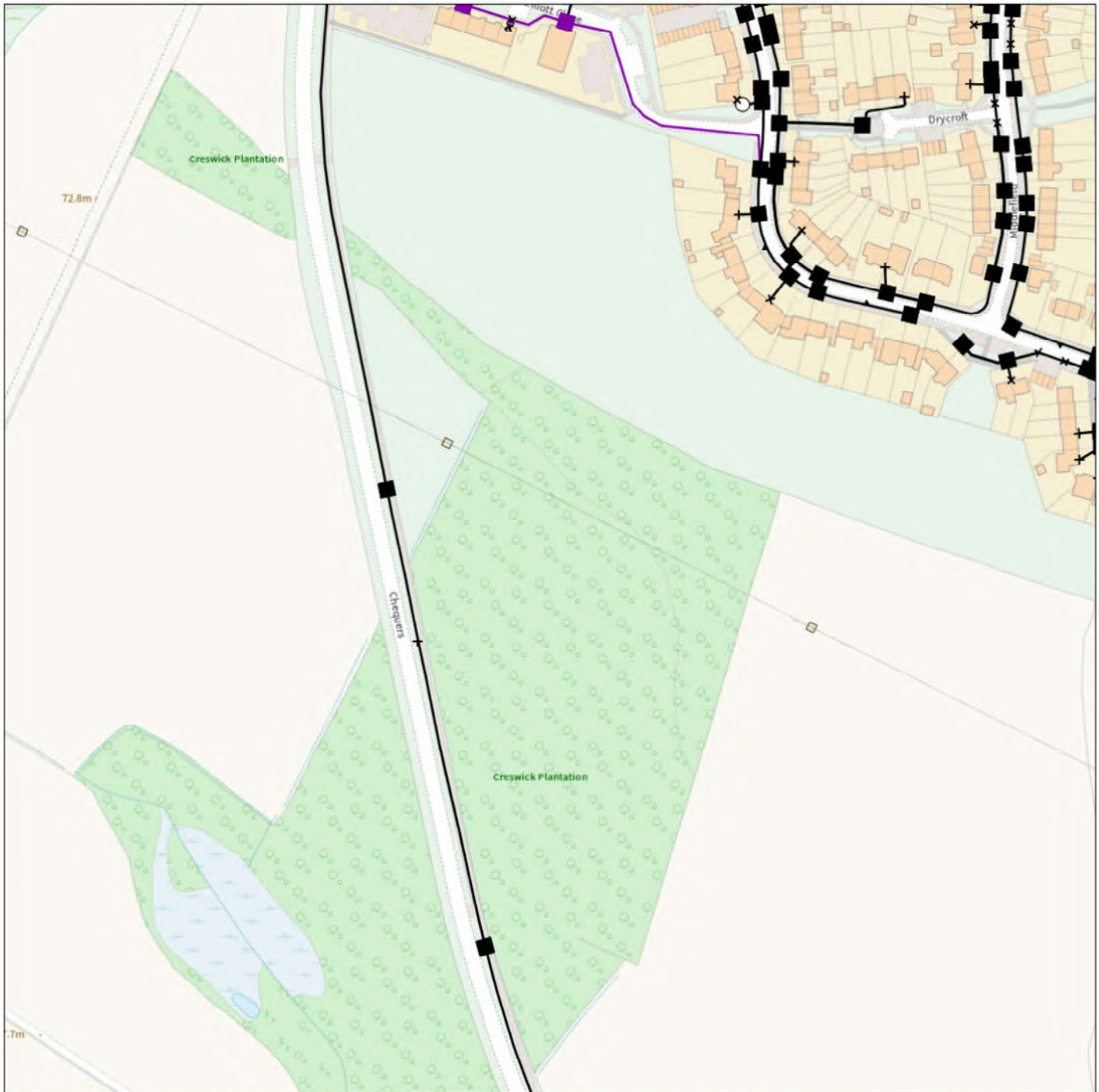
Easting/Northing : (centre) 523932,210990

Issued : 17/06/2021 15:51:23

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**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](mailto:nnhc@openreach.co.uk)**

# Maps by email Plant Information Reply



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## KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : ZNX03517Y

Map Reference : (centre) TL2393210790

Easting/Northing : (centre) 523932,210790

Issued : 17/06/2021 15:51:46

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# Maps by email Plant Information Reply



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## KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : ILB03512W

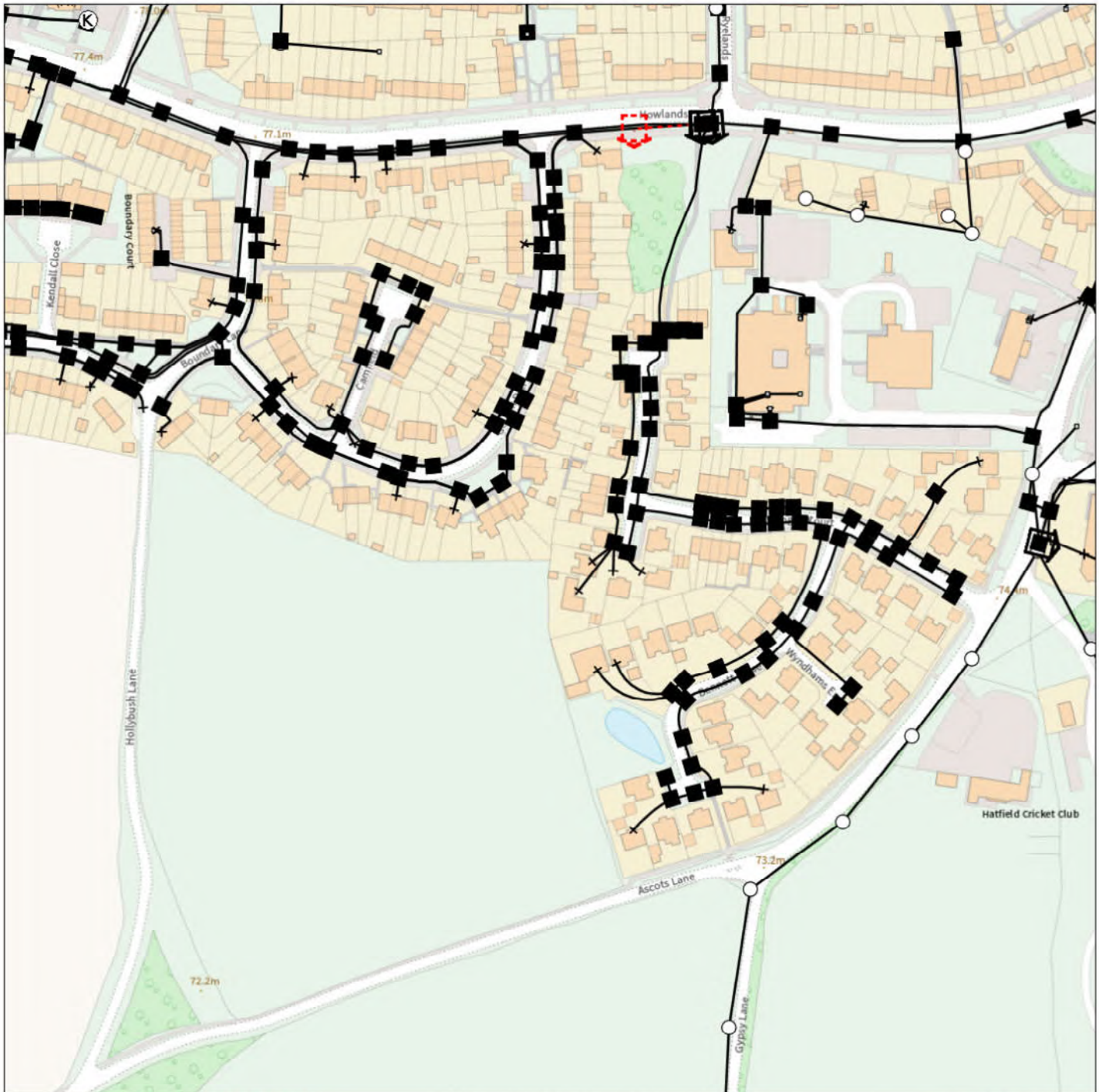
Map Reference : (centre) TL2433210790

Easting/Northing : (centre) 524332,210790

Issued : 17/06/2021 15:52:10

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# Maps by email Plant Information Reply



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## KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : UVE03521L

Map Reference : (centre) TL2473210790

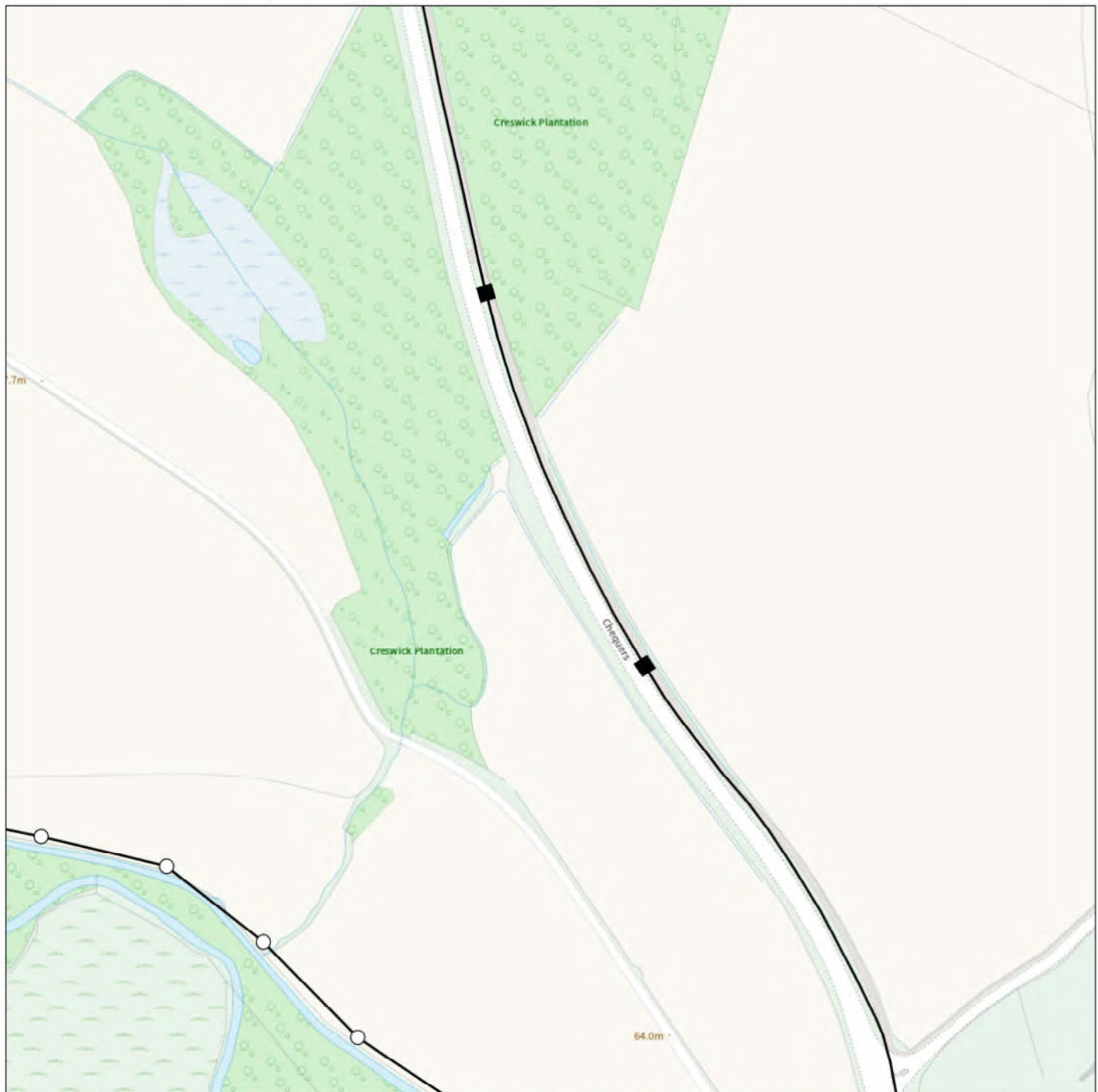
Easting/Northing : (centre) 524732,210790

Issued : 17/06/2021 15:52:24

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# Maps by email Plant Information Reply



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## KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : XFM03521W

Map Reference : (centre) TL2393210490

Easting/Northing : (centre) 523932,210490

Issued : 17/06/2021 15:52:33

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# Maps by email Plant Information Reply



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## KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : ROY03524S

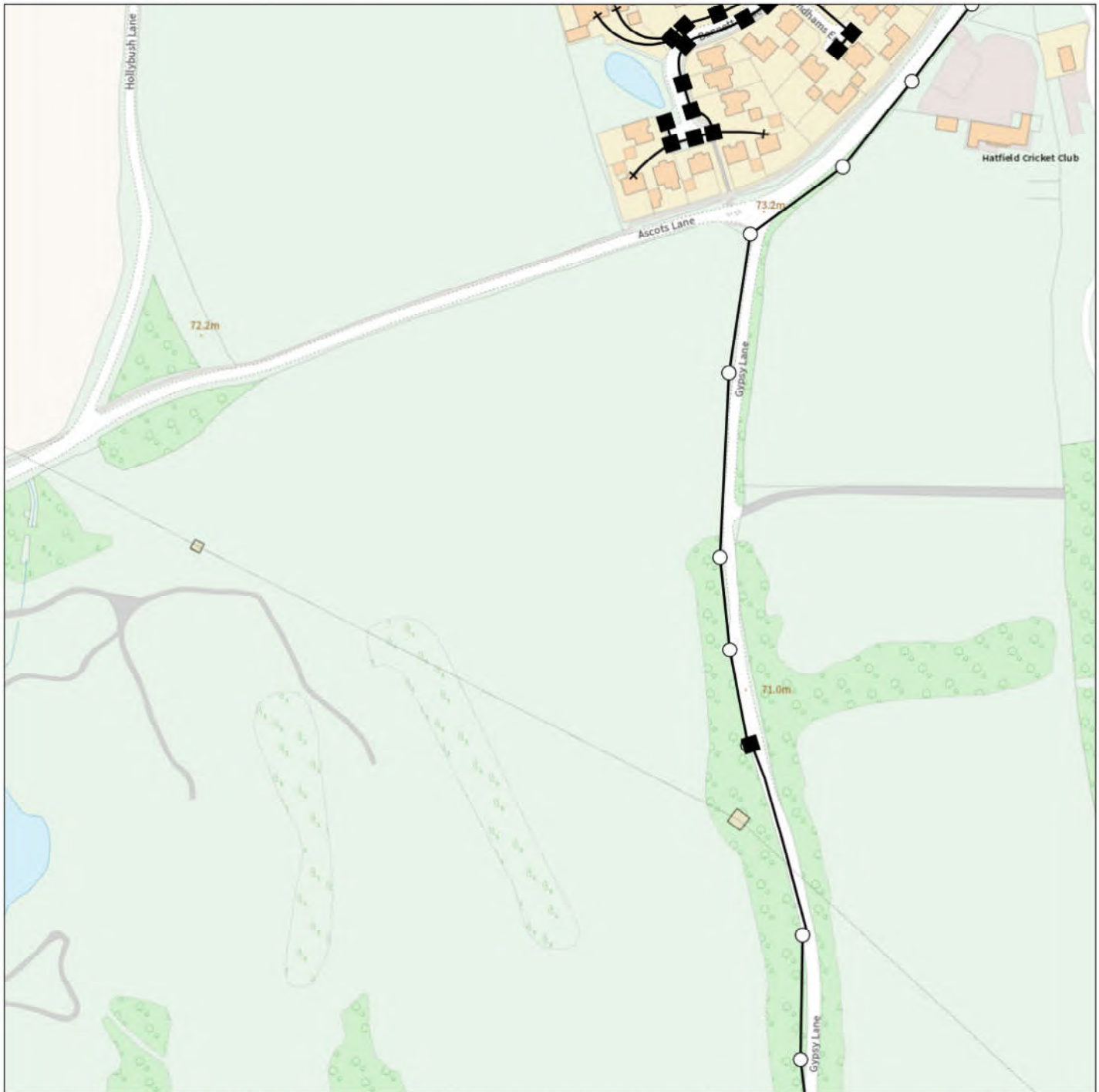
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Easting/Northing : (centre) 524332,210490

Issued : 17/06/2021 15:52:53

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# Maps by email Plant Information Reply



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## KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : PPG03527W

Map Reference : (centre) TL2473210490

Easting/Northing : (centre) 524732,210490

Issued : 17/06/2021 15:53:07

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# ELECTRIC

Our Ref: 22435605      Your Ref: 70084491

Thursday, 17 June 2021

Duncan Phillips  
91 Market Street  
Hoylake  
Merseyside  
CH47 5AA

Dear Duncan Phillips

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



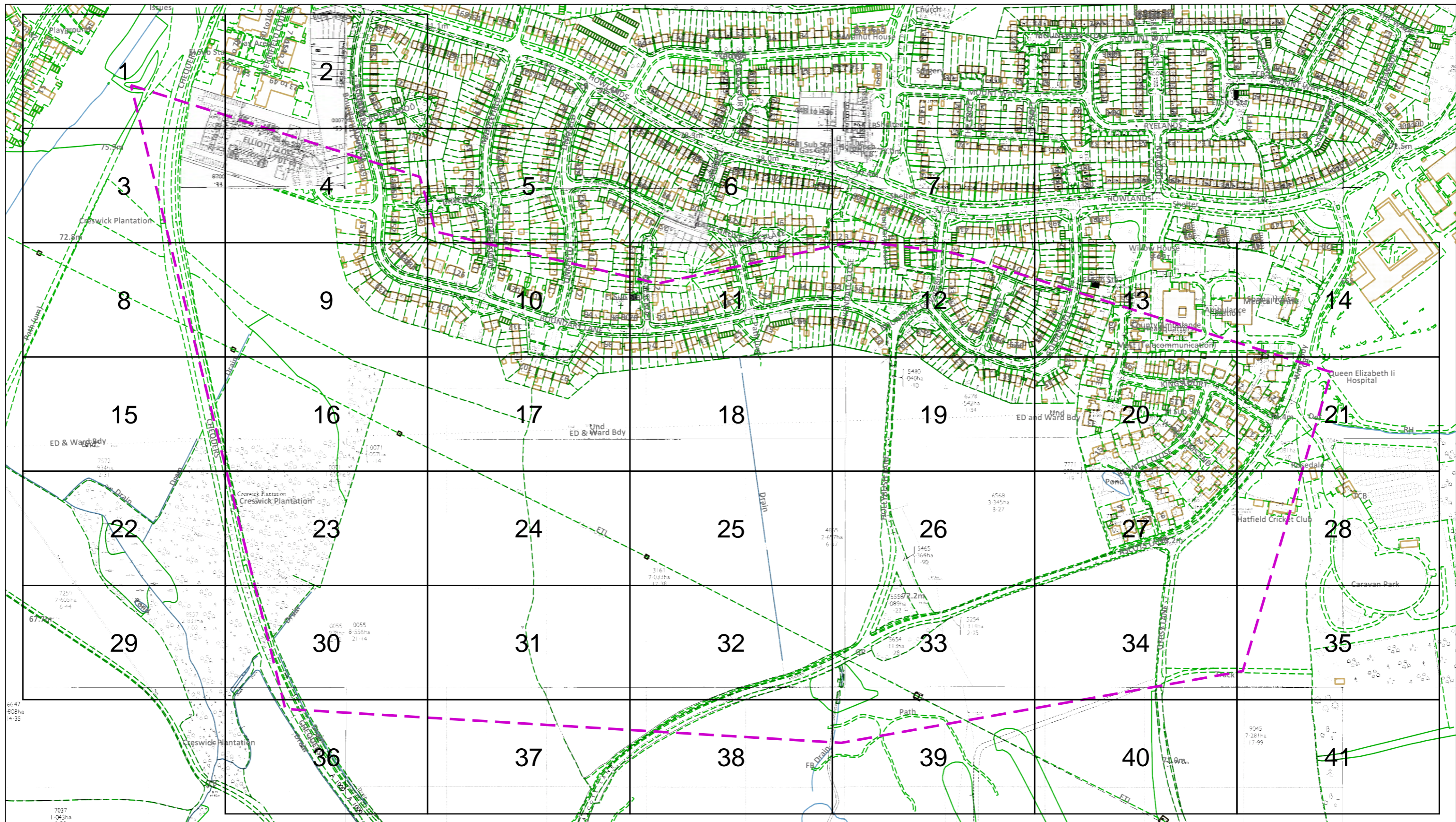
- 9 Any work near to any overhead electricity lines must be carried out by you in accordance with the Health and Safety Executive guidance document GS6 and the Electricity at Work Regulations.

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.

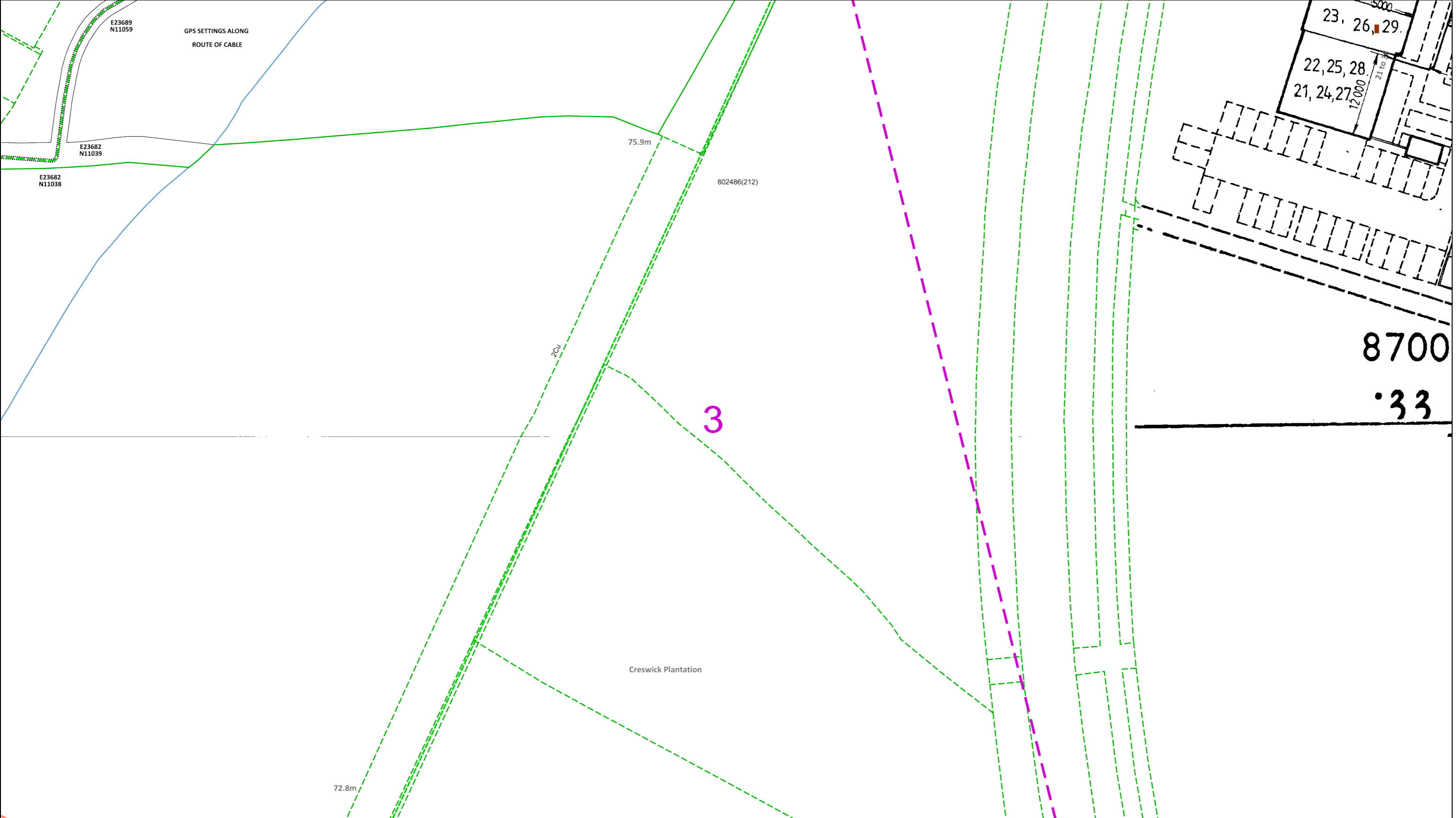
10. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.
11. If in carrying out work on land in, on, under or over which is installed an electric line and/or electrical plant that belongs to UK Power 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.











0

25

50

metres

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: 17/06/2021

Job Reference: 22435605

Site Location: 523510 210118

Requested by: Mr Duncan Phillips

Your Scheme/Reference: 70084491

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.

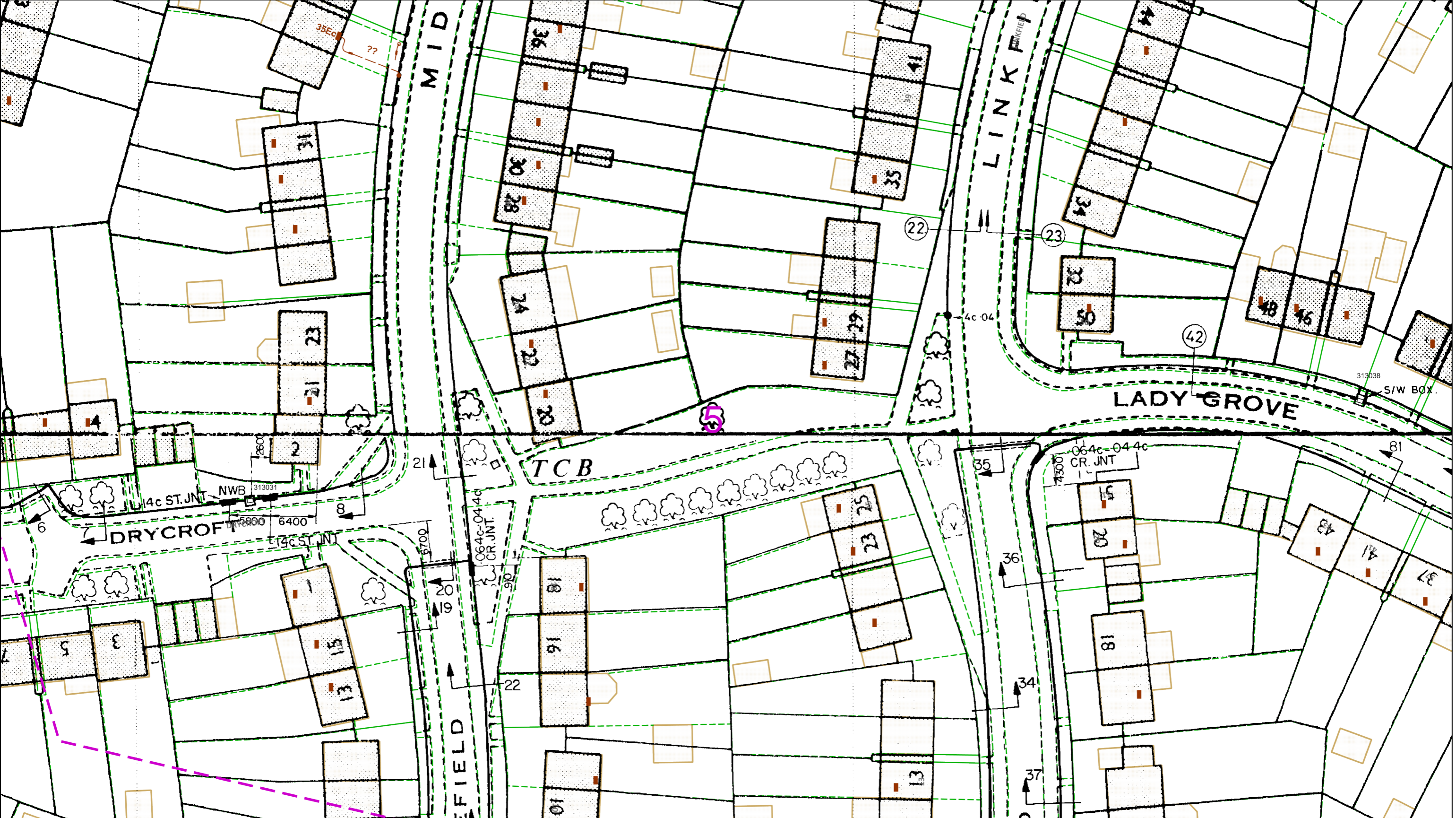
IF IN DOUBT - ASK!  
PHONE 0800 056 5866  
EMERGENCY - If you damage a cable or line  
Phone 0800 783 8838  
(24hrs) URGENTLY

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

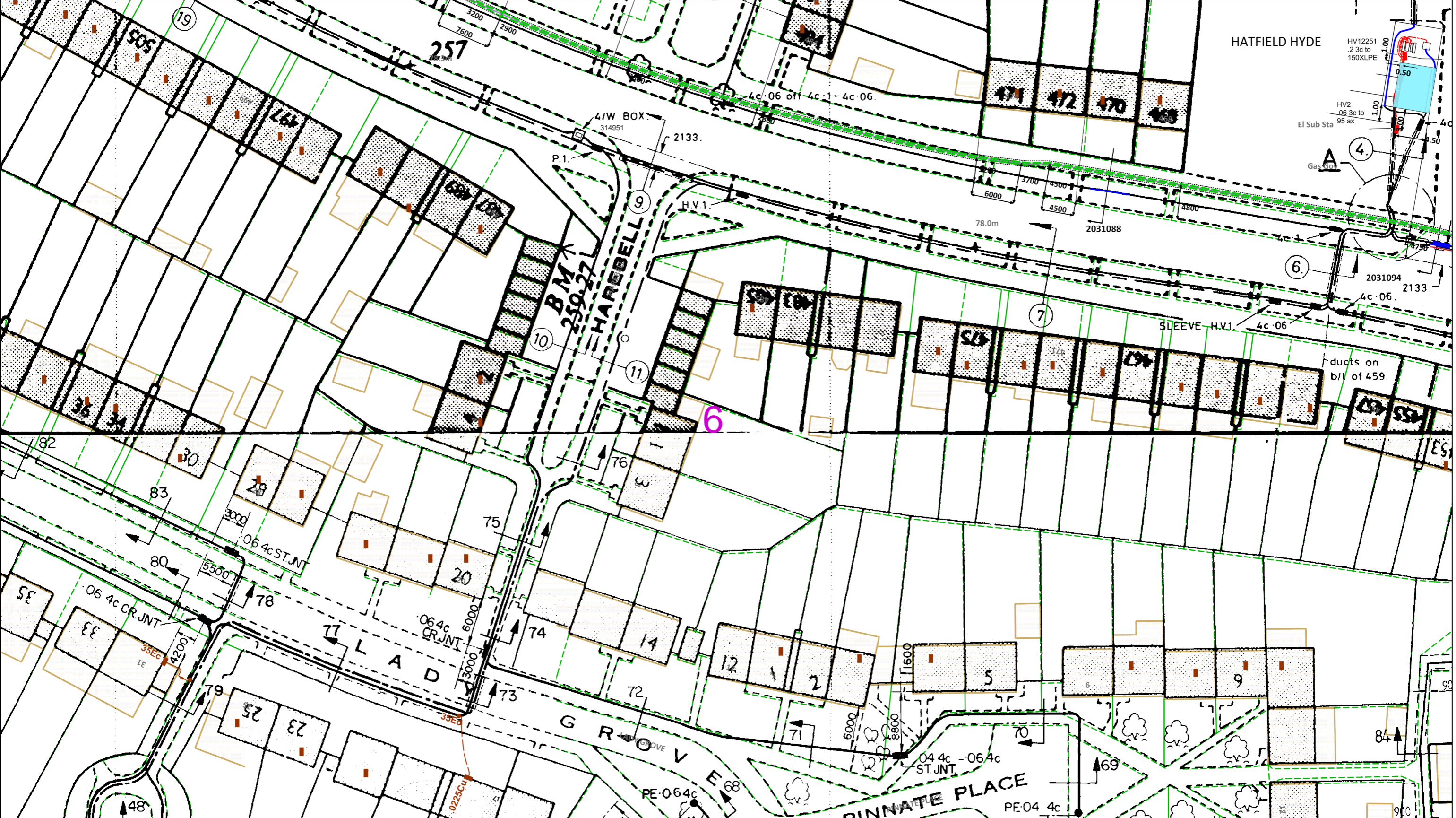
Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

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<p>This plan must be used with the attached 'Symbols' document.</p> <p>Date Requested: 17/06/2021 Job Reference: 22435605 Site Location: 523510 210118 Requested by: Mr Duncan Phillips Your Scheme/Reference: 70084491</p> <p>Scale: 1:500 (When plotted at A3)</p>		<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.</p> <p>2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.</p> <p>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.</p> <p>4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.</p> <p>5. All cables must be treated as being live unless proved otherwise by UK Power Networks.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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>
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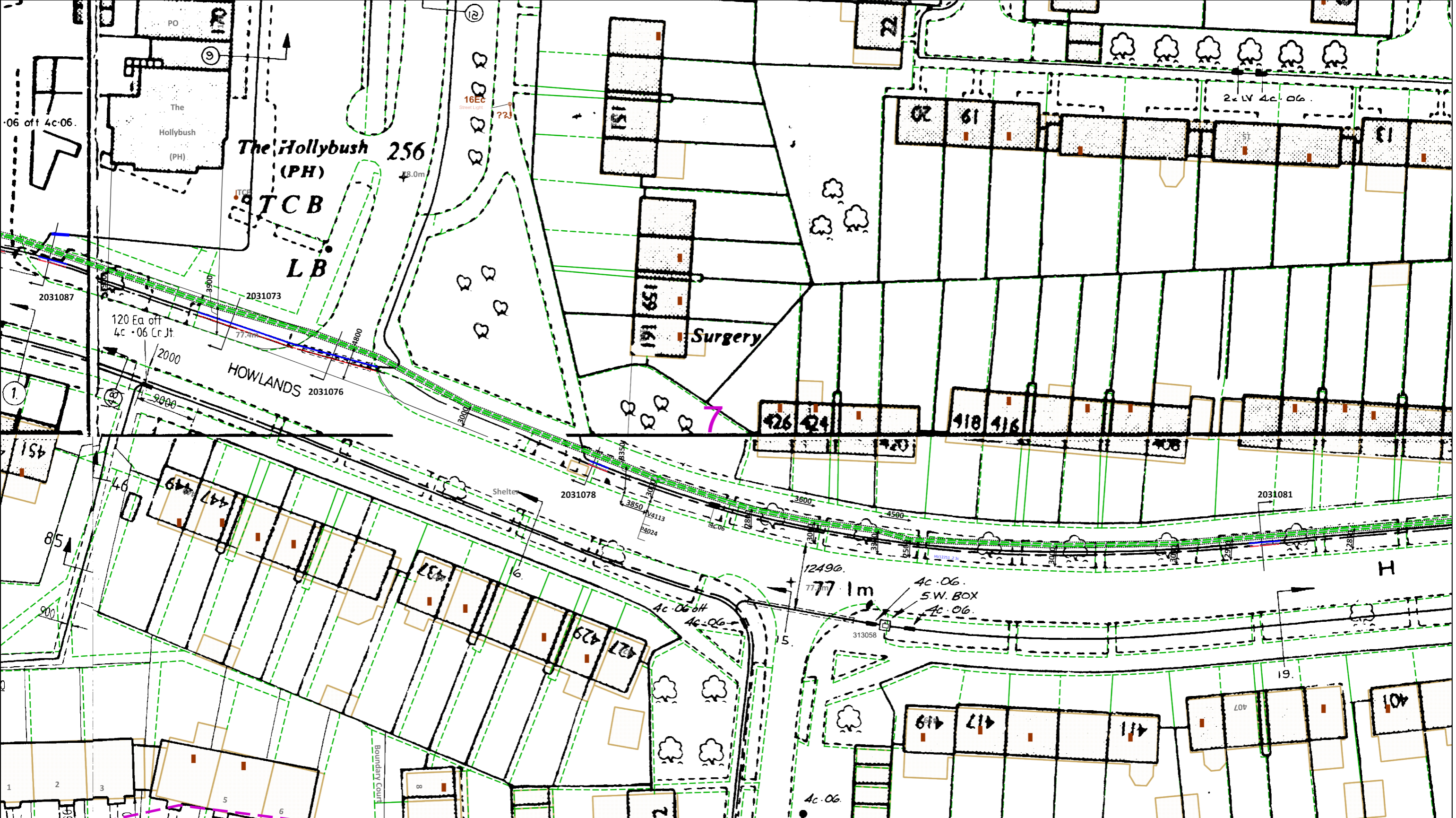
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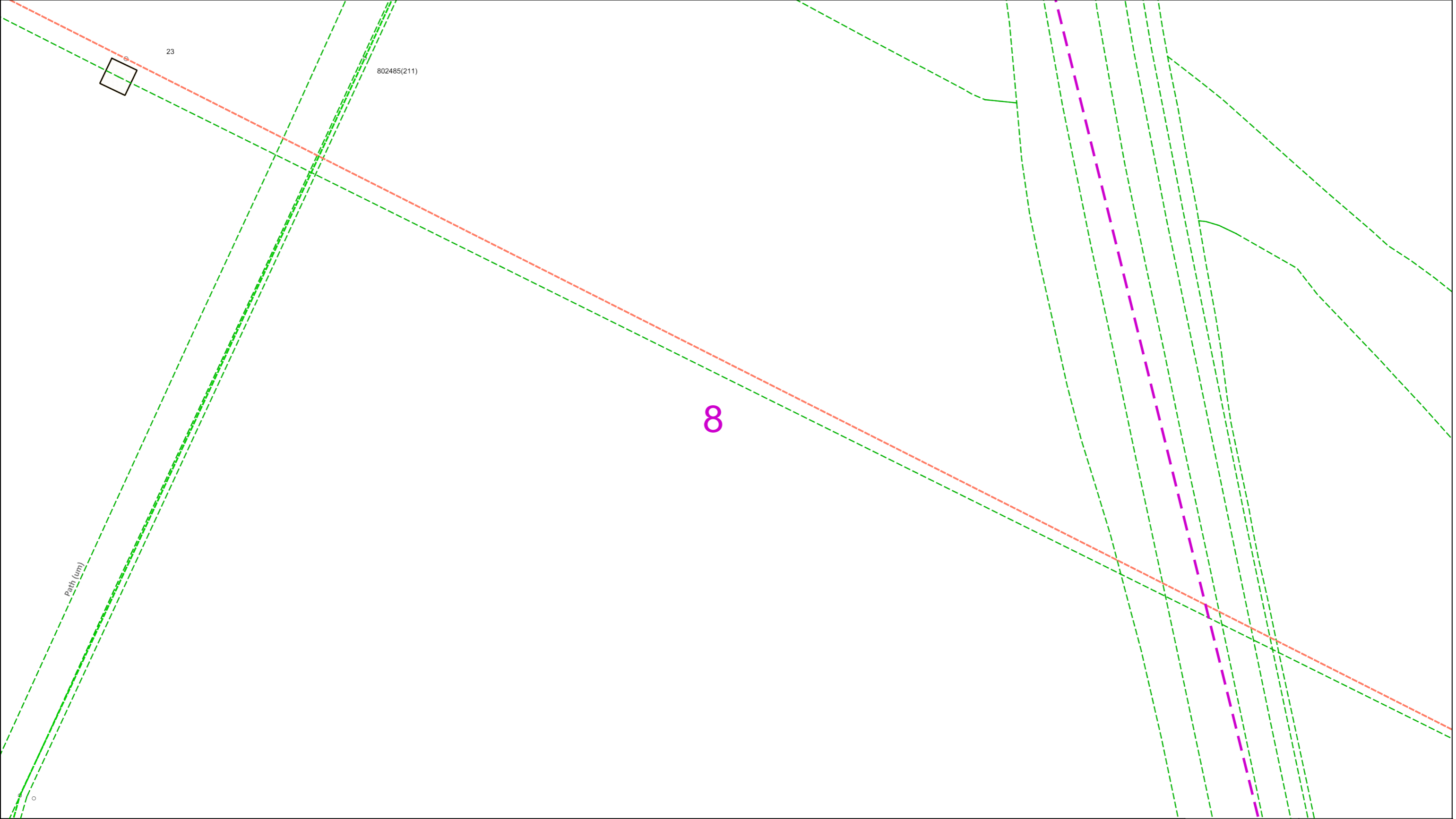
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02550metres

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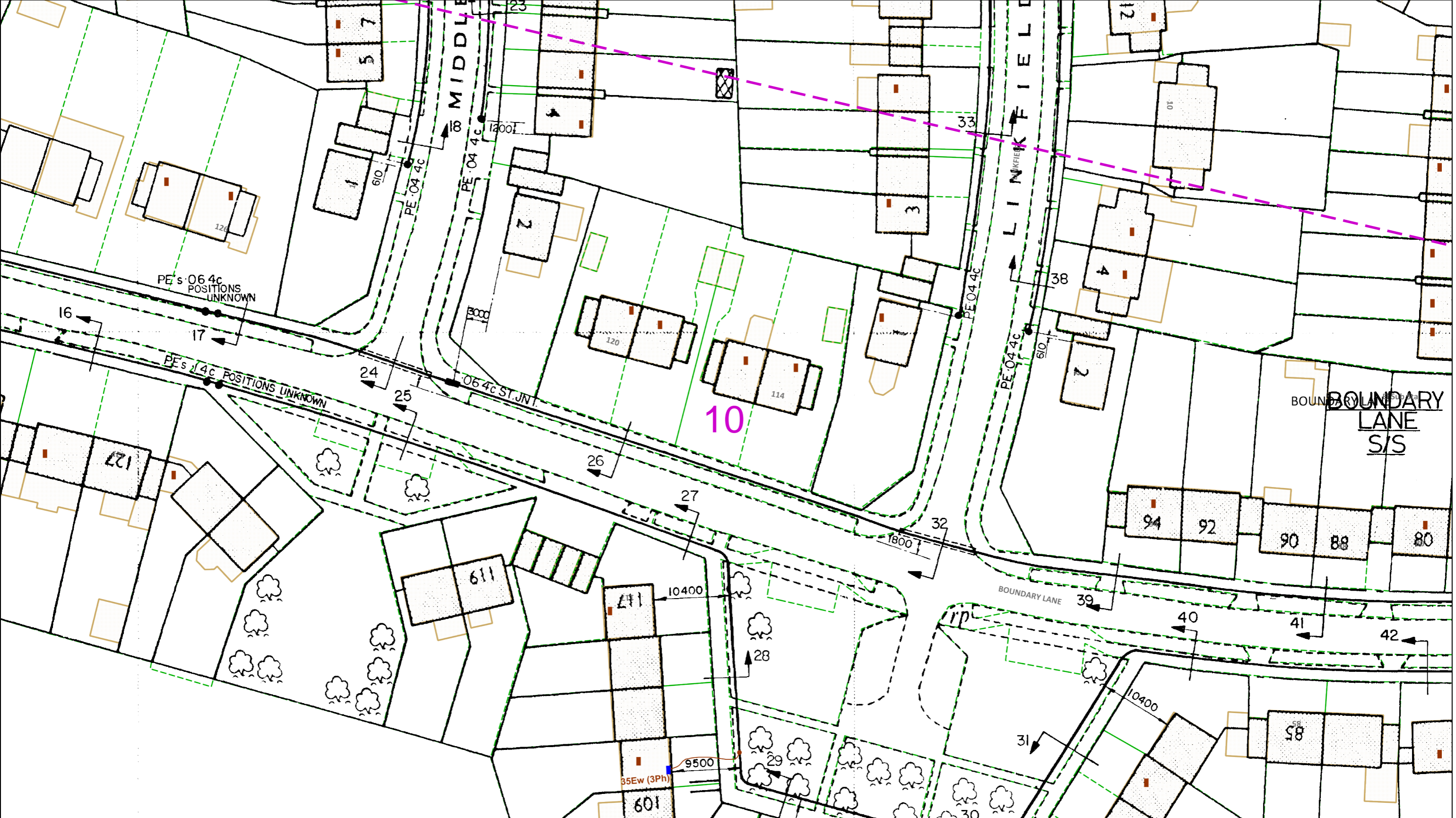
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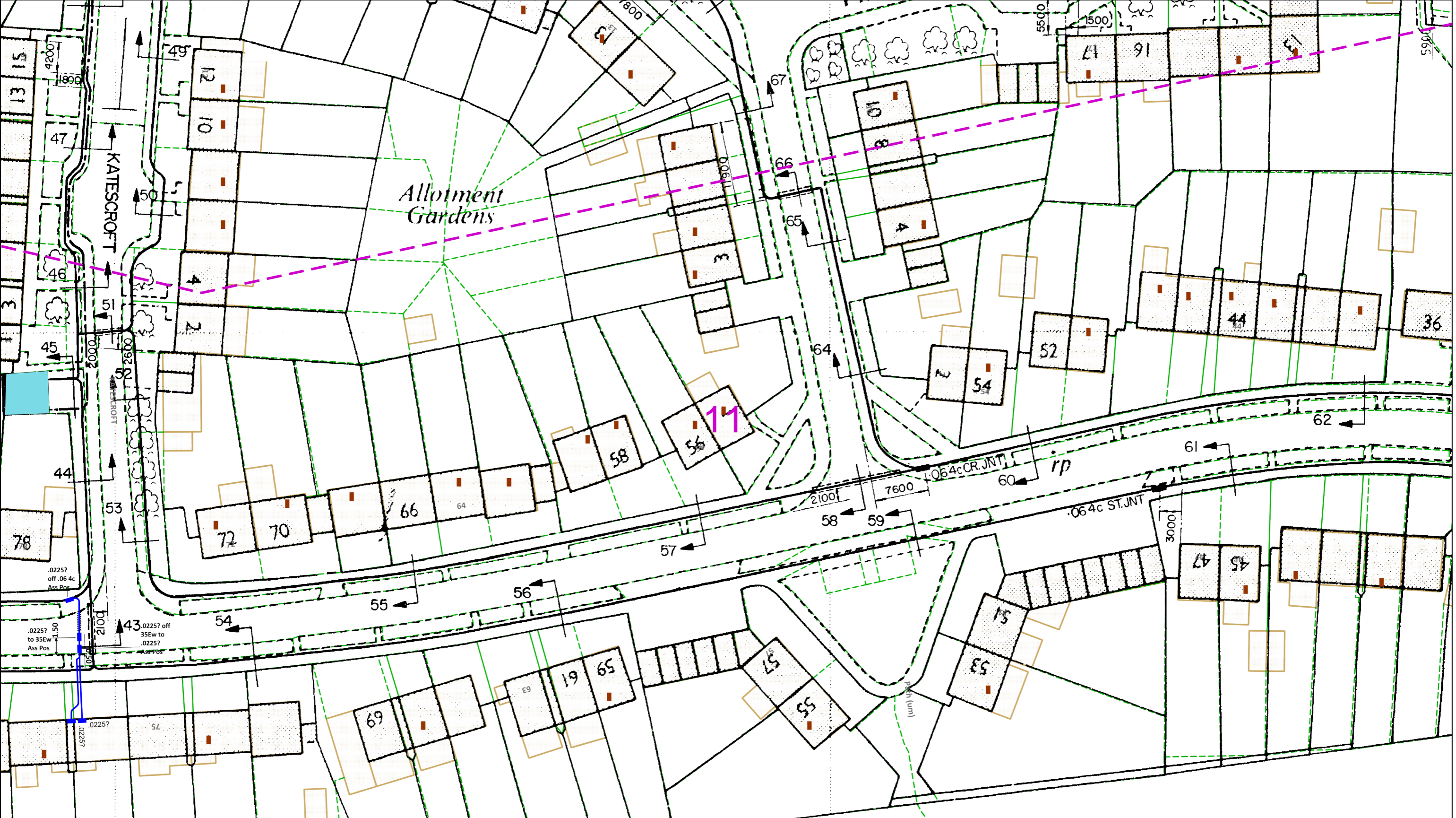
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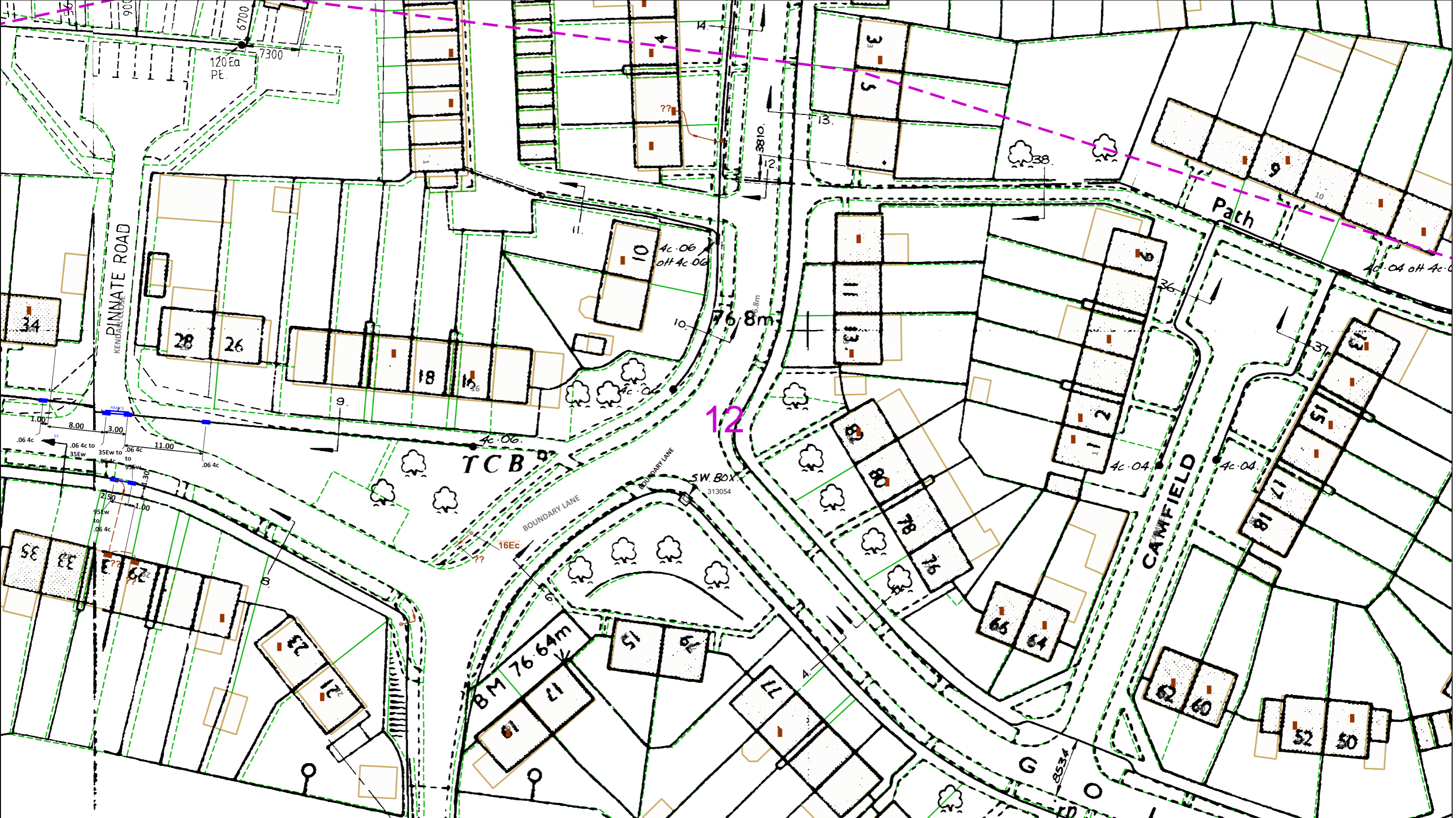
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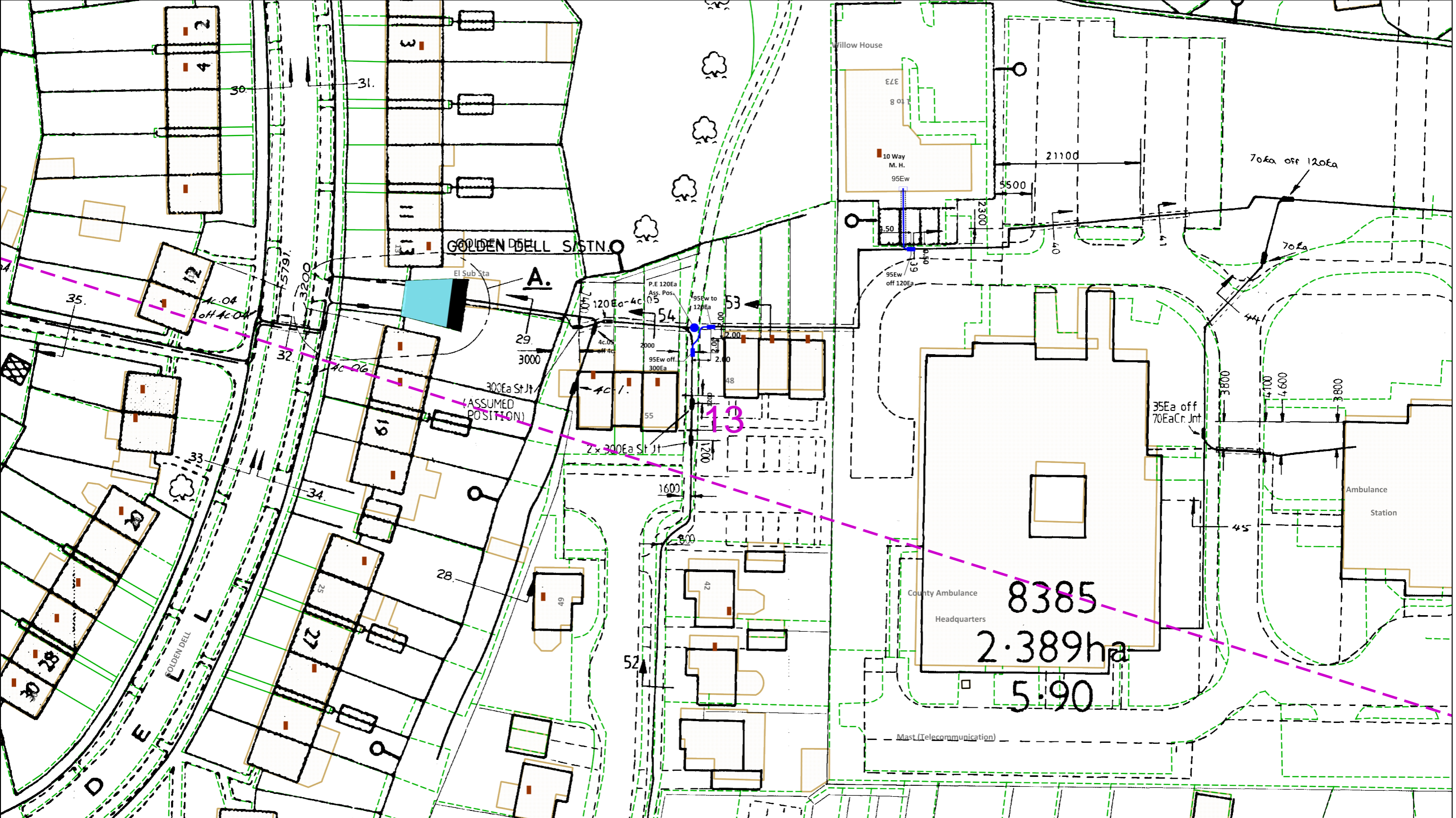
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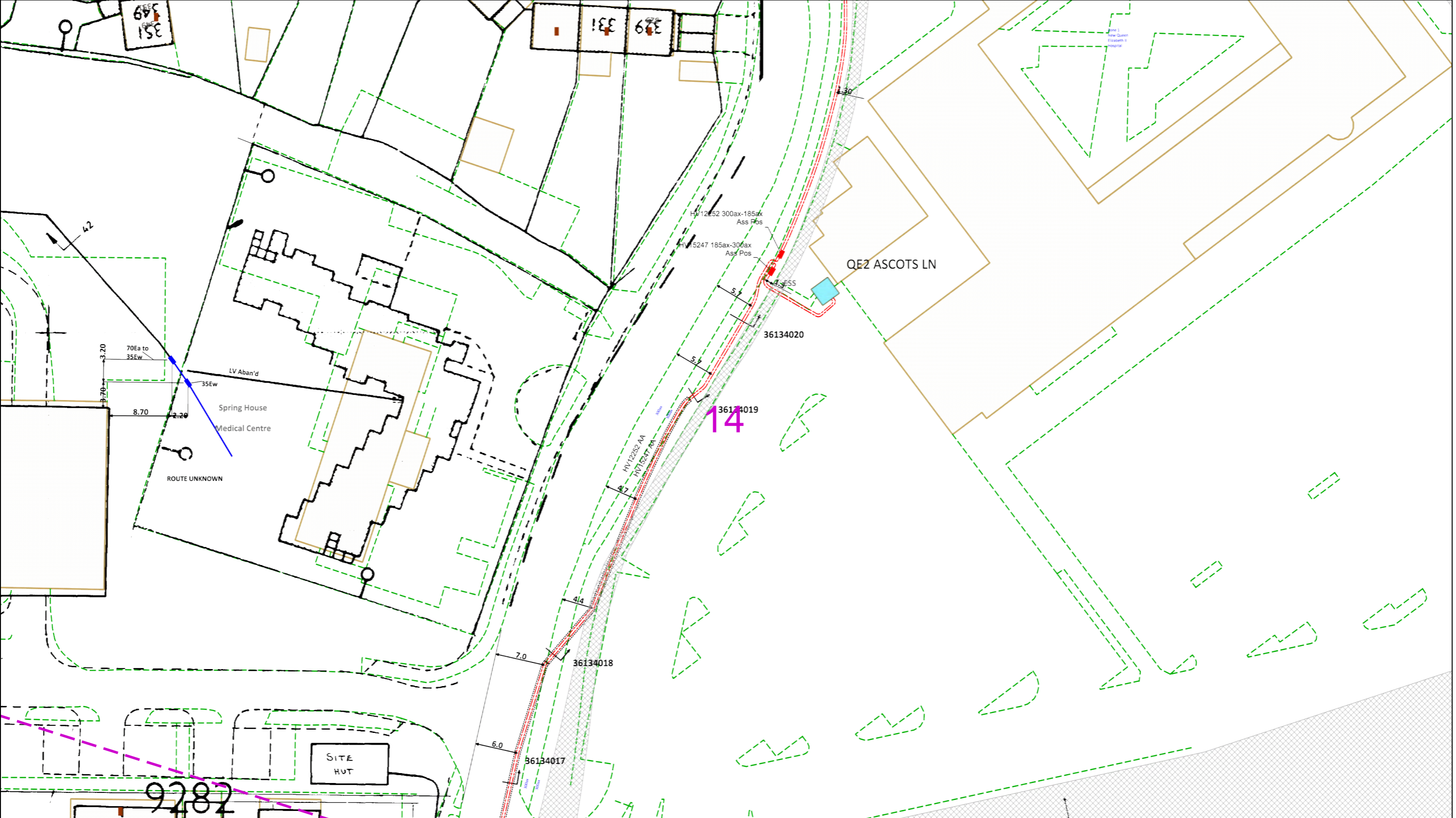
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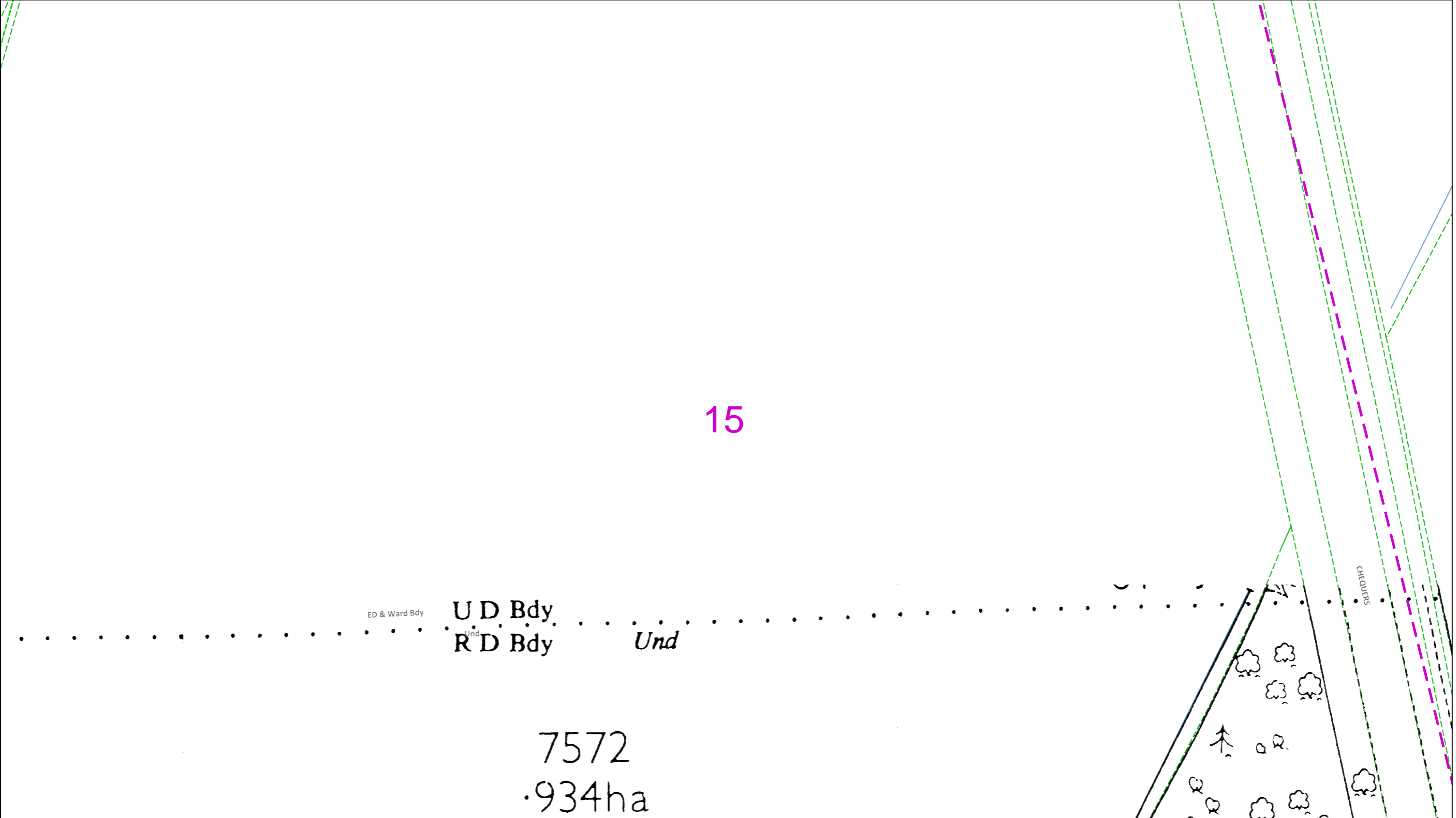


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02550metres

Dig SitesArea: Line:

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Date Requested: 17/06/2021  
Job Reference: 22435605  
Site Location: 523510 210118  
Requested by: Mr Duncan Phillips  
Your Scheme/Reference: 70084491  
Scale: 1:500 (When plotted at A3)

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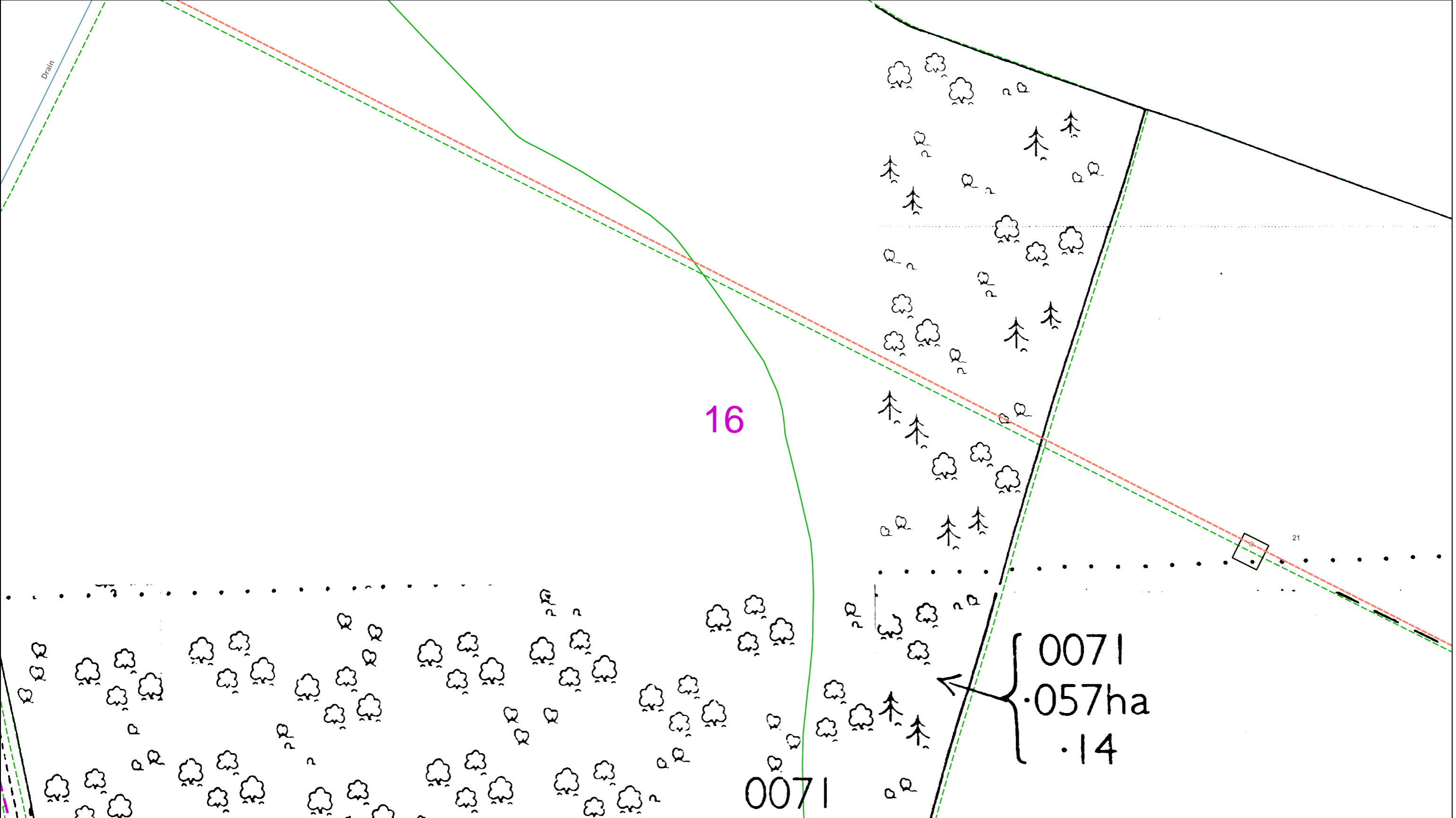
LOOK OUT

LOOK UP

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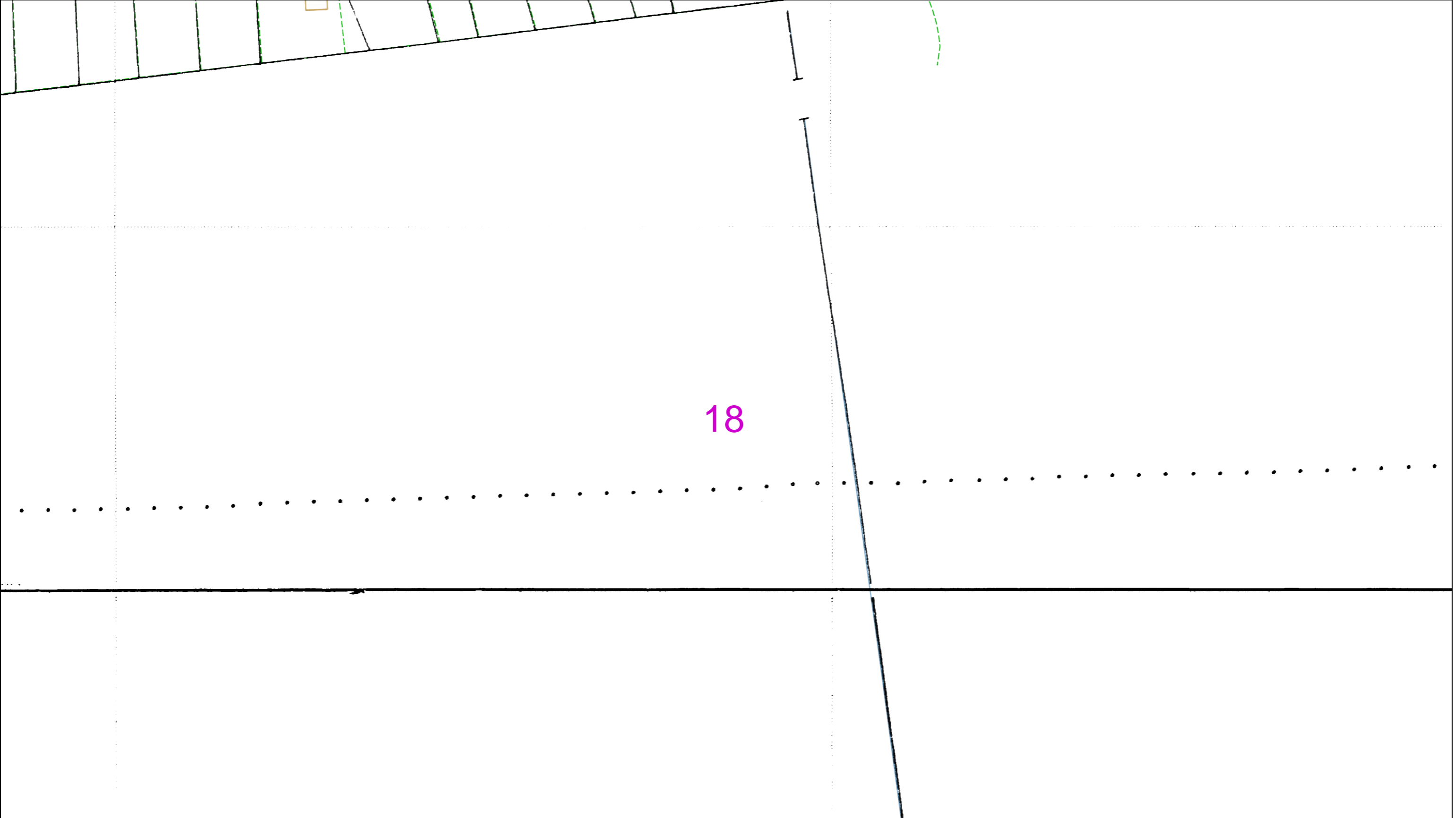
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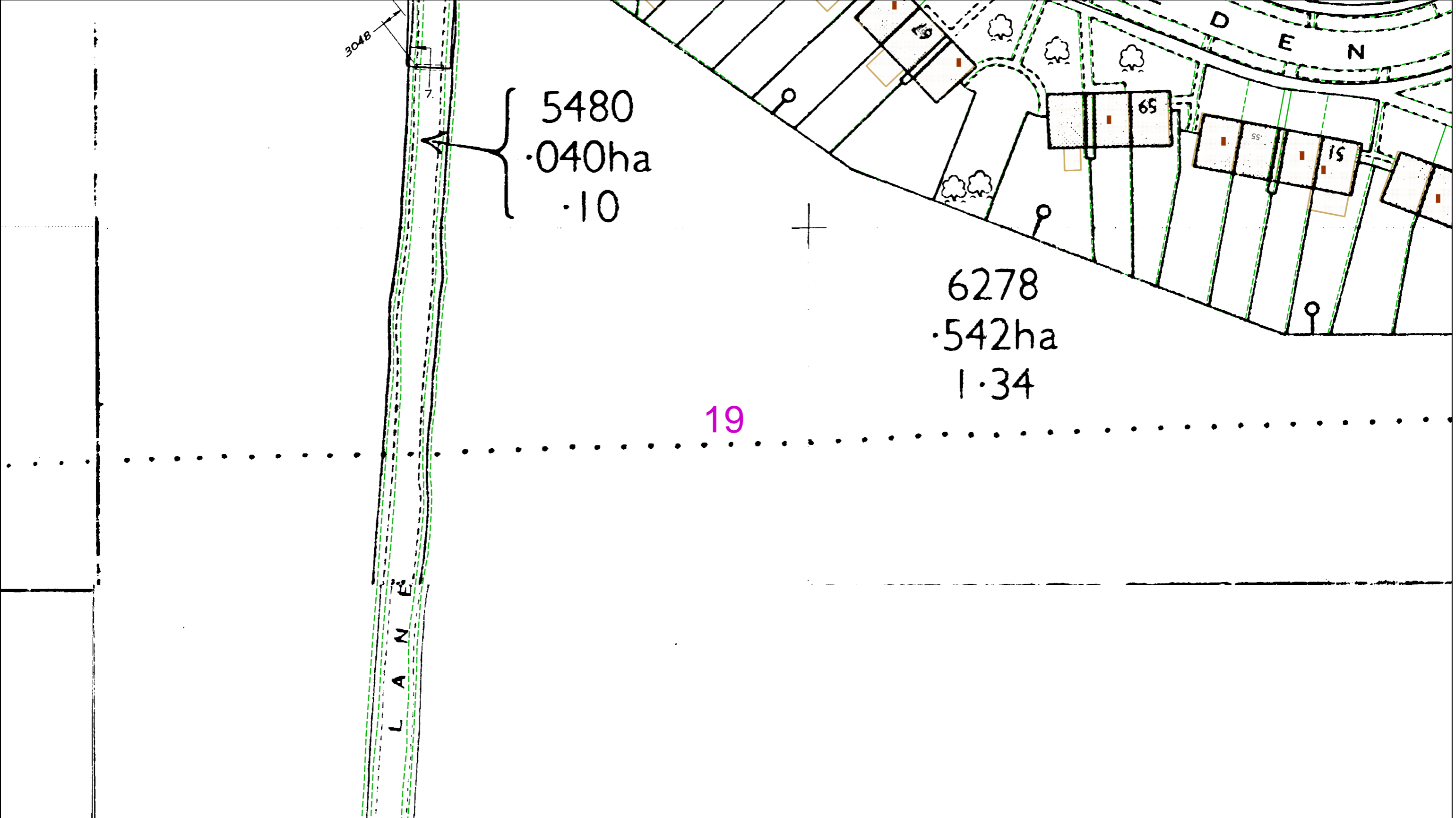
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0 25 50

metres

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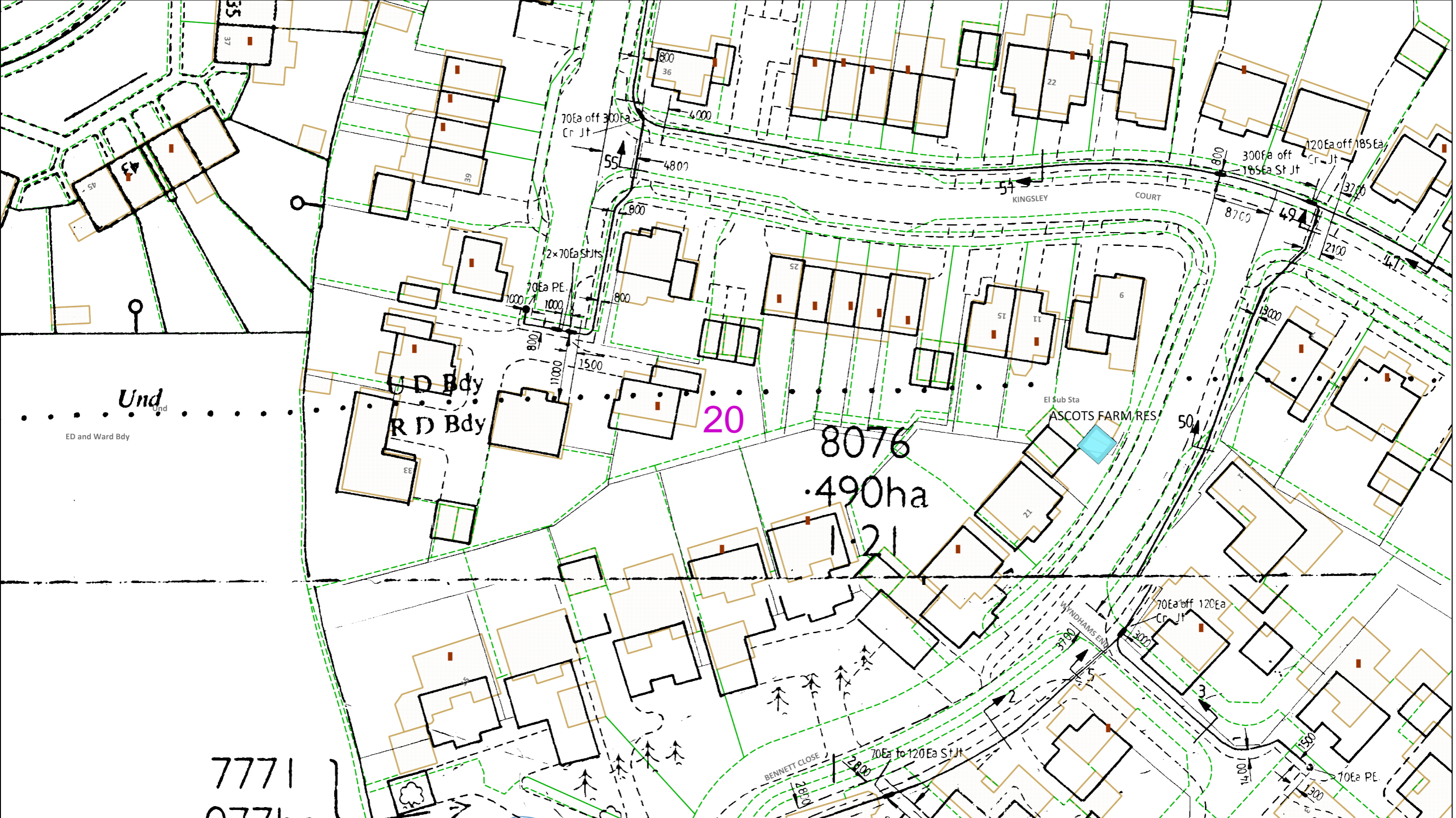
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0 25 50

metres

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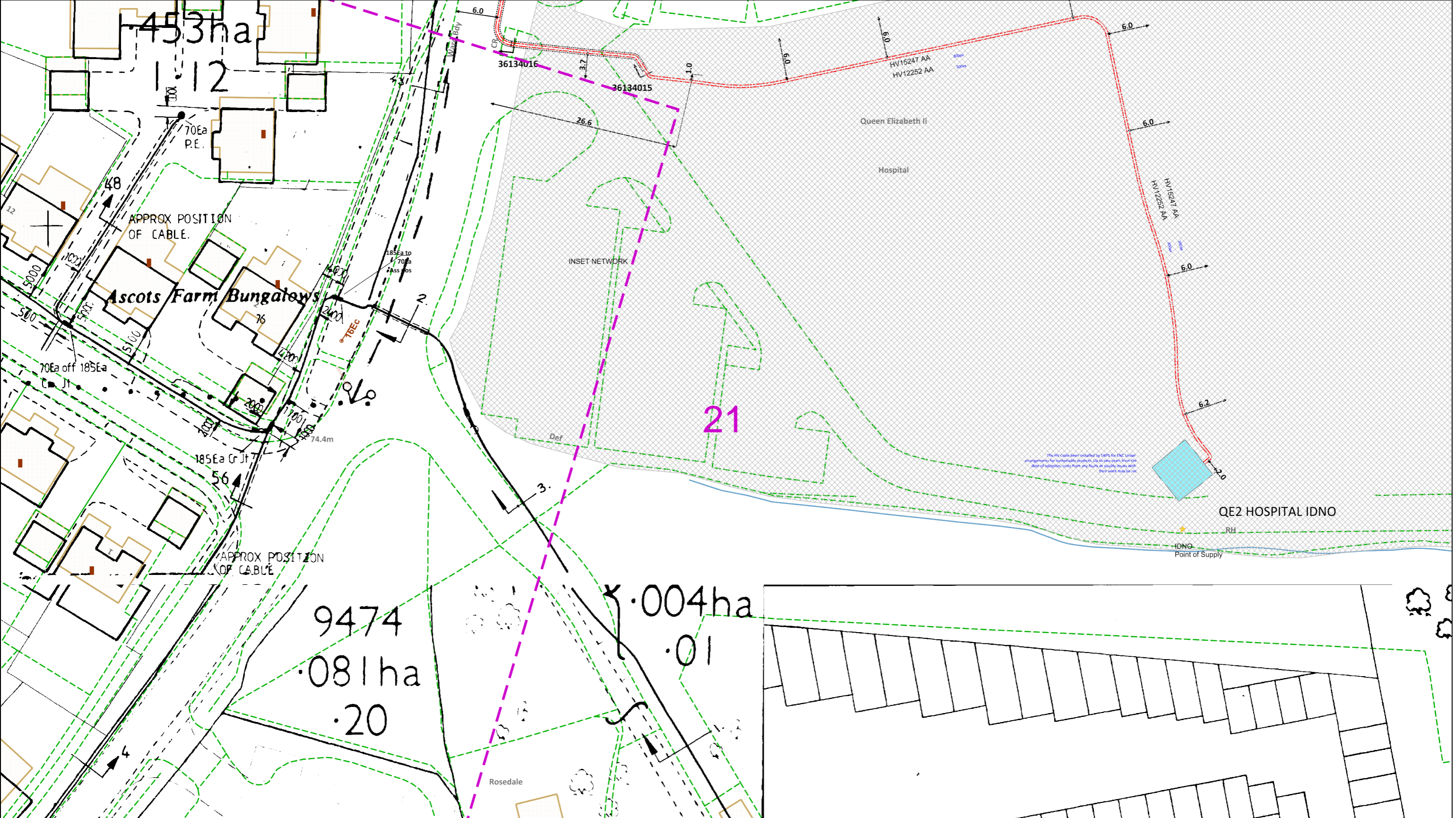
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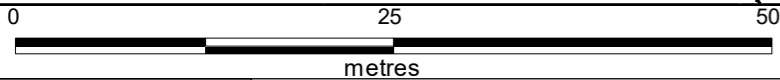
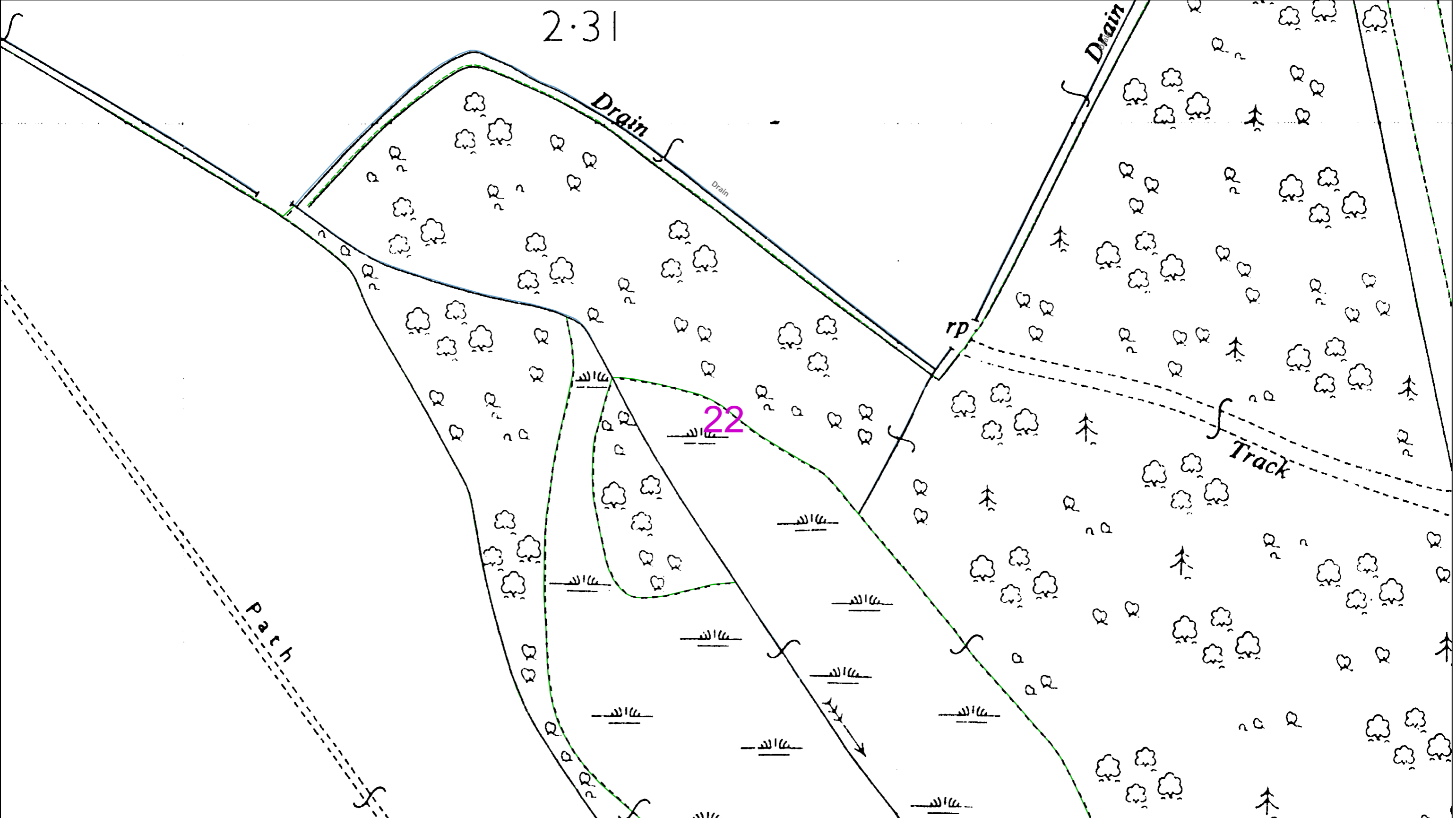
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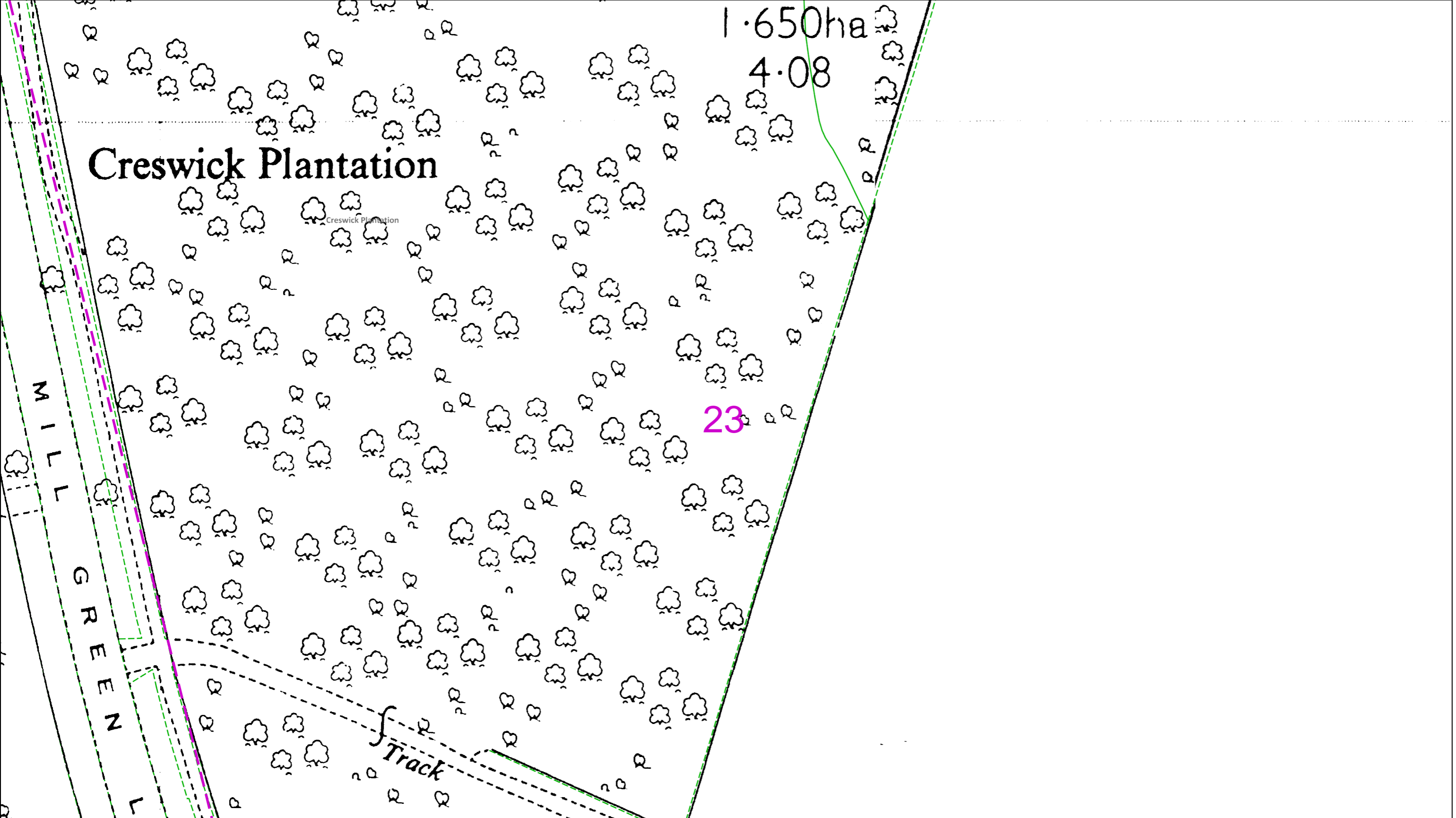


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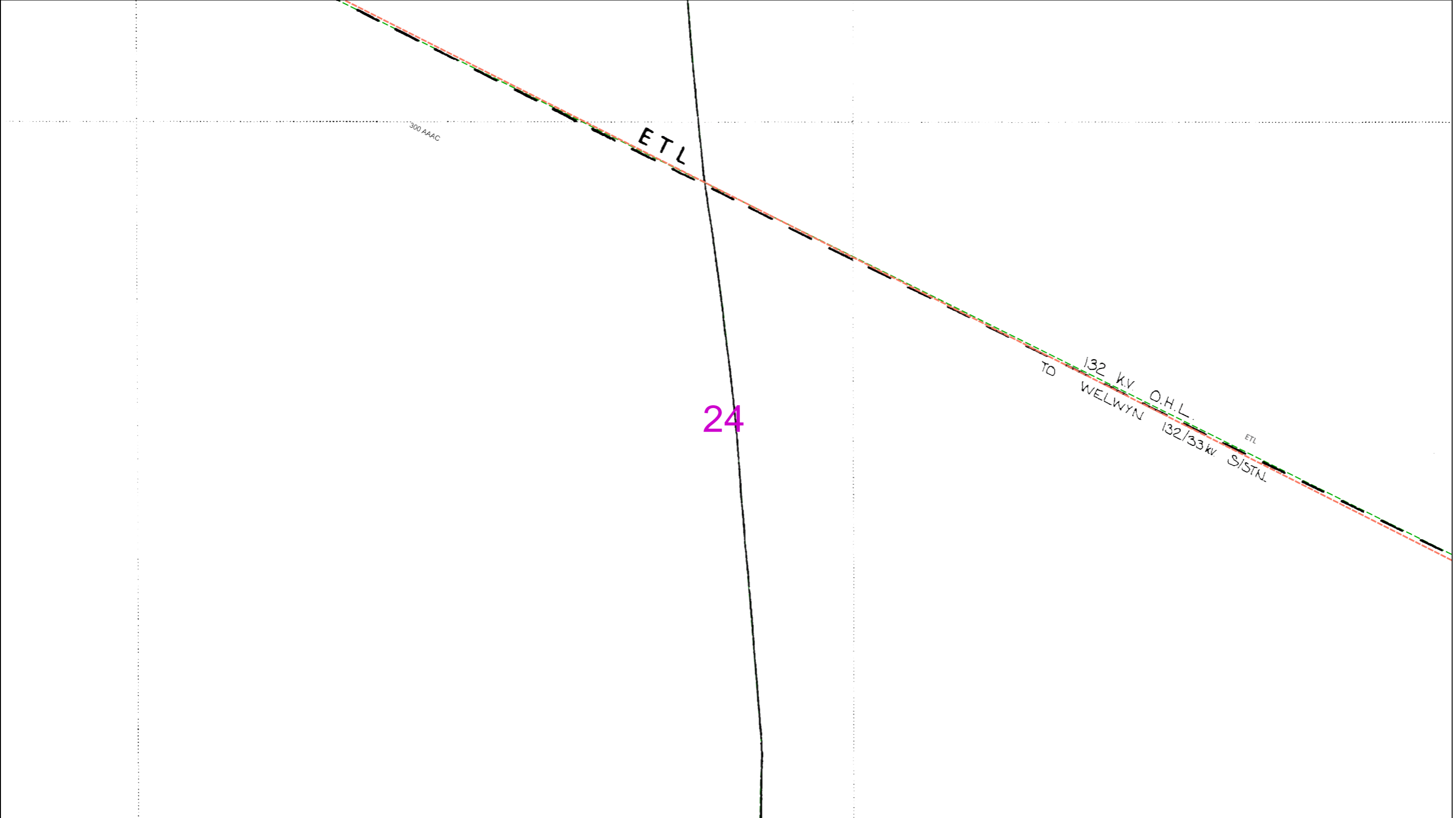


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<p>This plan must be used with the attached 'Symbols' document.</p> <p>Date Requested: 17/06/2021 Job Reference: 22435605 Site Location: 523510 210118 Requested by: Mr Duncan Phillips Your Scheme/Reference: 70084491</p> <p>Scale: 1:500 (When plotted at A3)</p>		<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.</p> <p>2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.</p> <p>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.</p> <p>4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.</p> <p>5. All cables must be treated as being live unless proved otherwise by UK Power Networks.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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>	<div><div></div><div><p>IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY</p></div></div> <div></div> <div></div> <div><p>ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note GS6</p></div>	<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>
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02550metres

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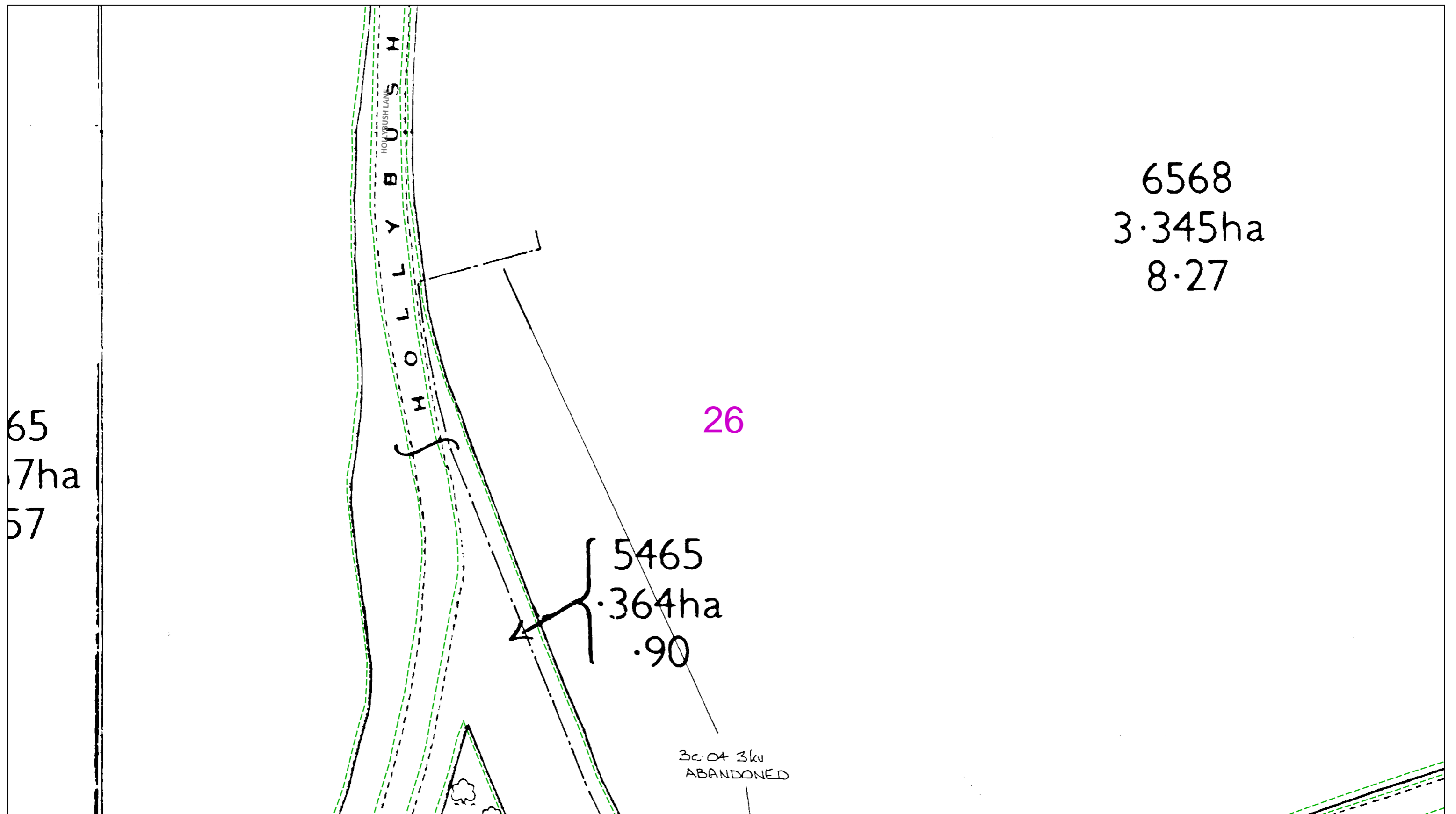
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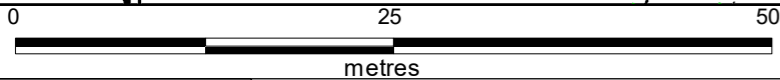
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6568  
3.345ha  
8.27



Dig Sites Area: [dashed box] Line: [dashed line]

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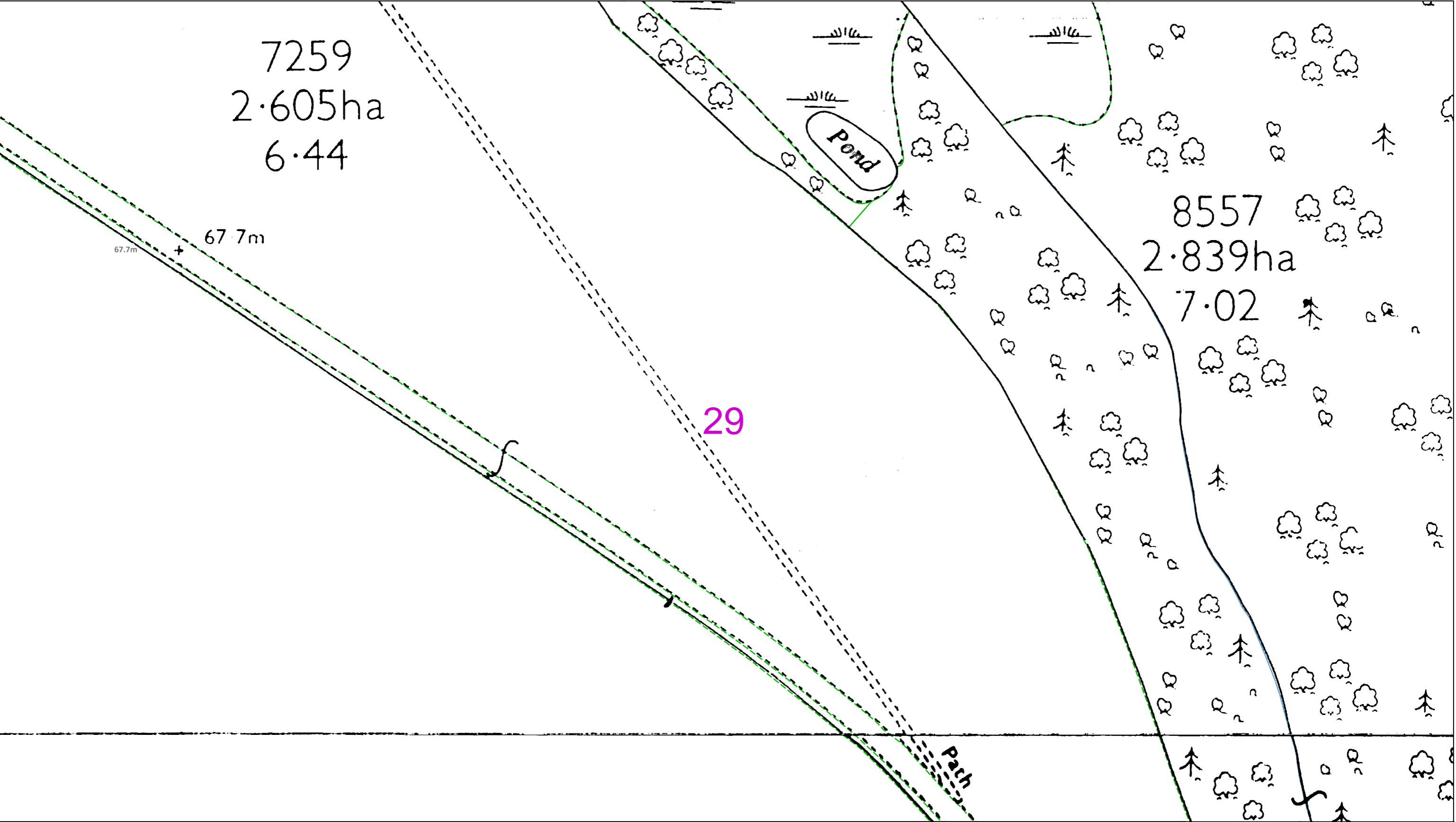
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LOOK OUT

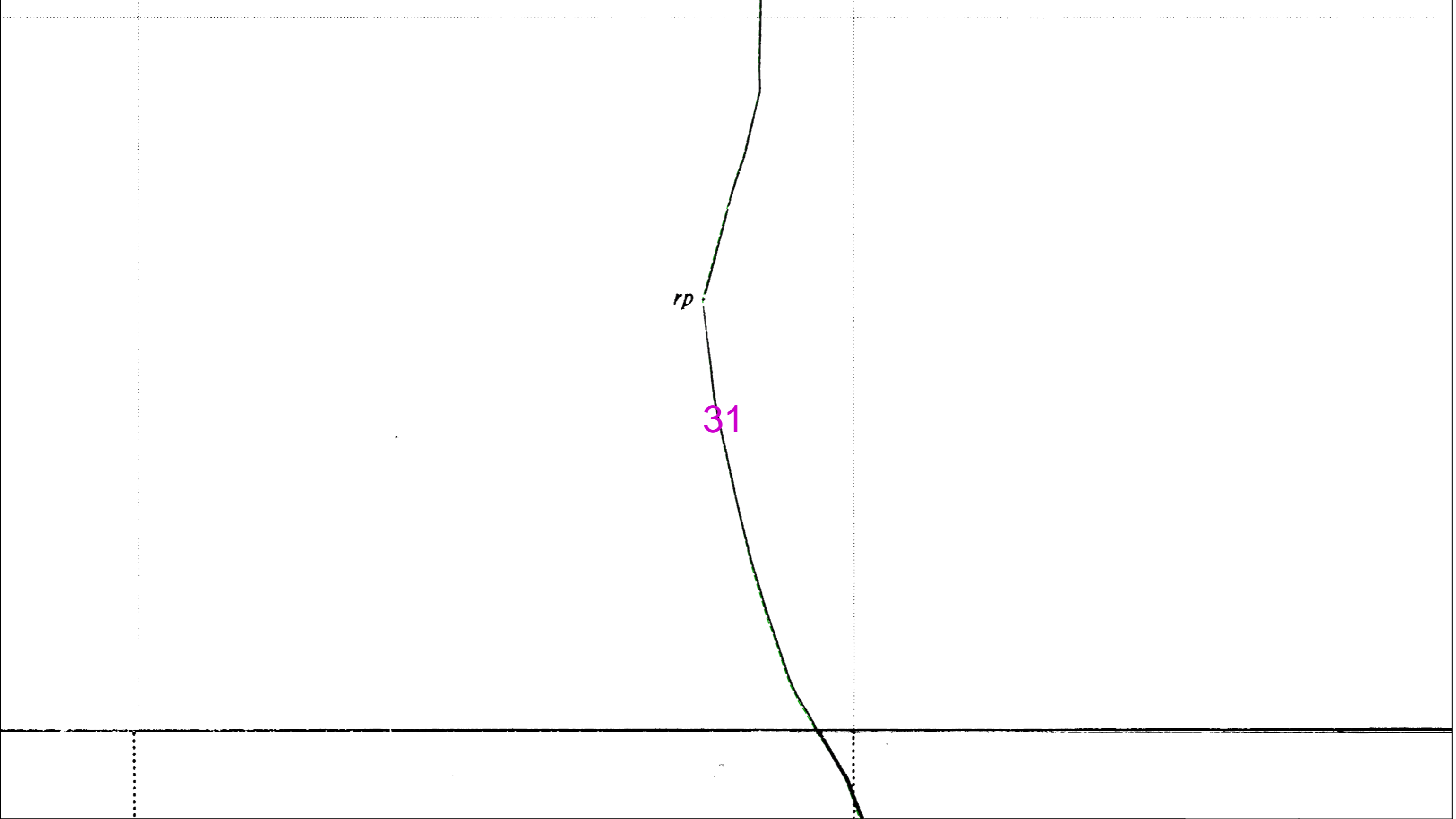
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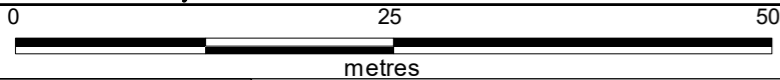
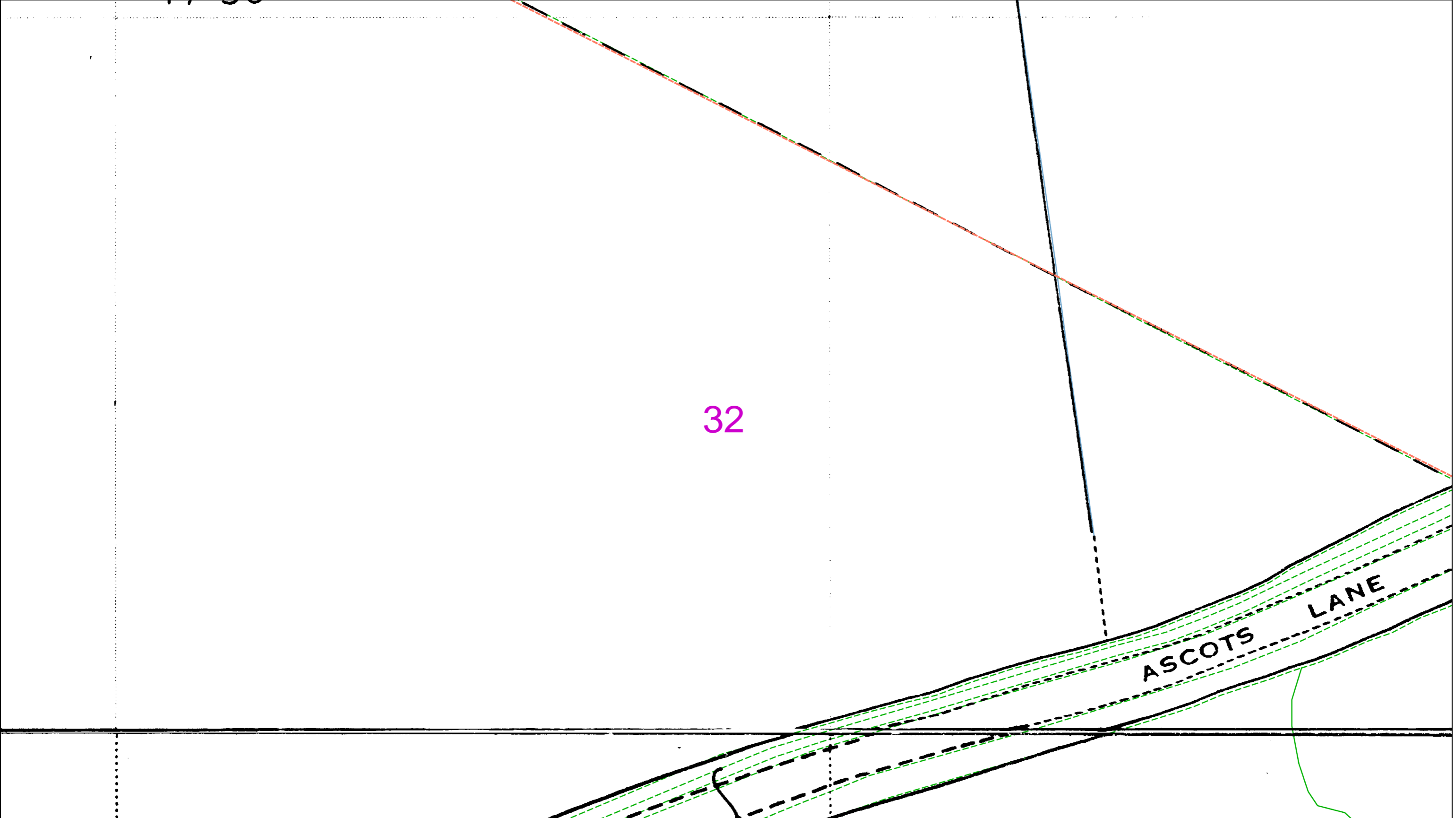
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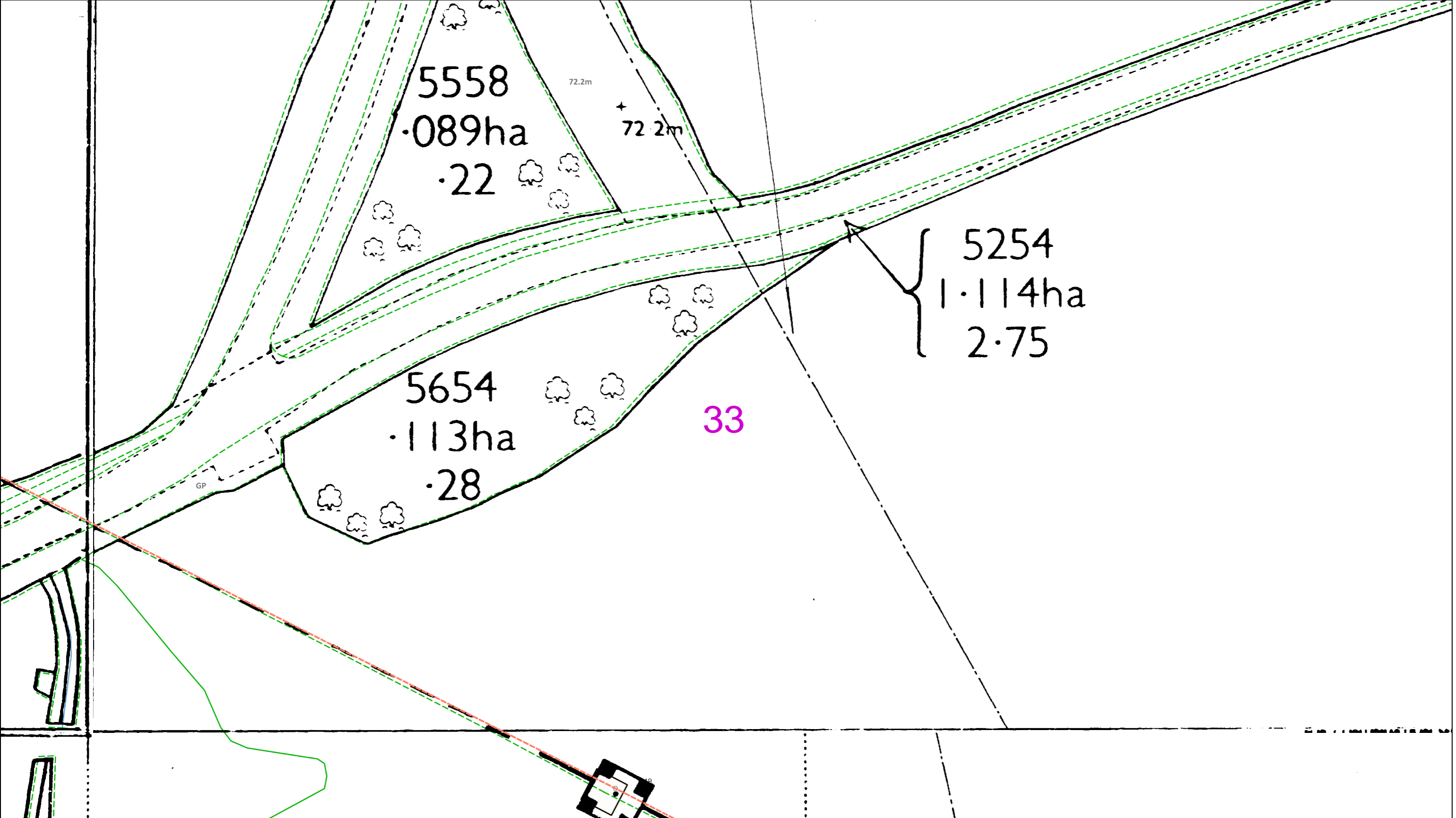




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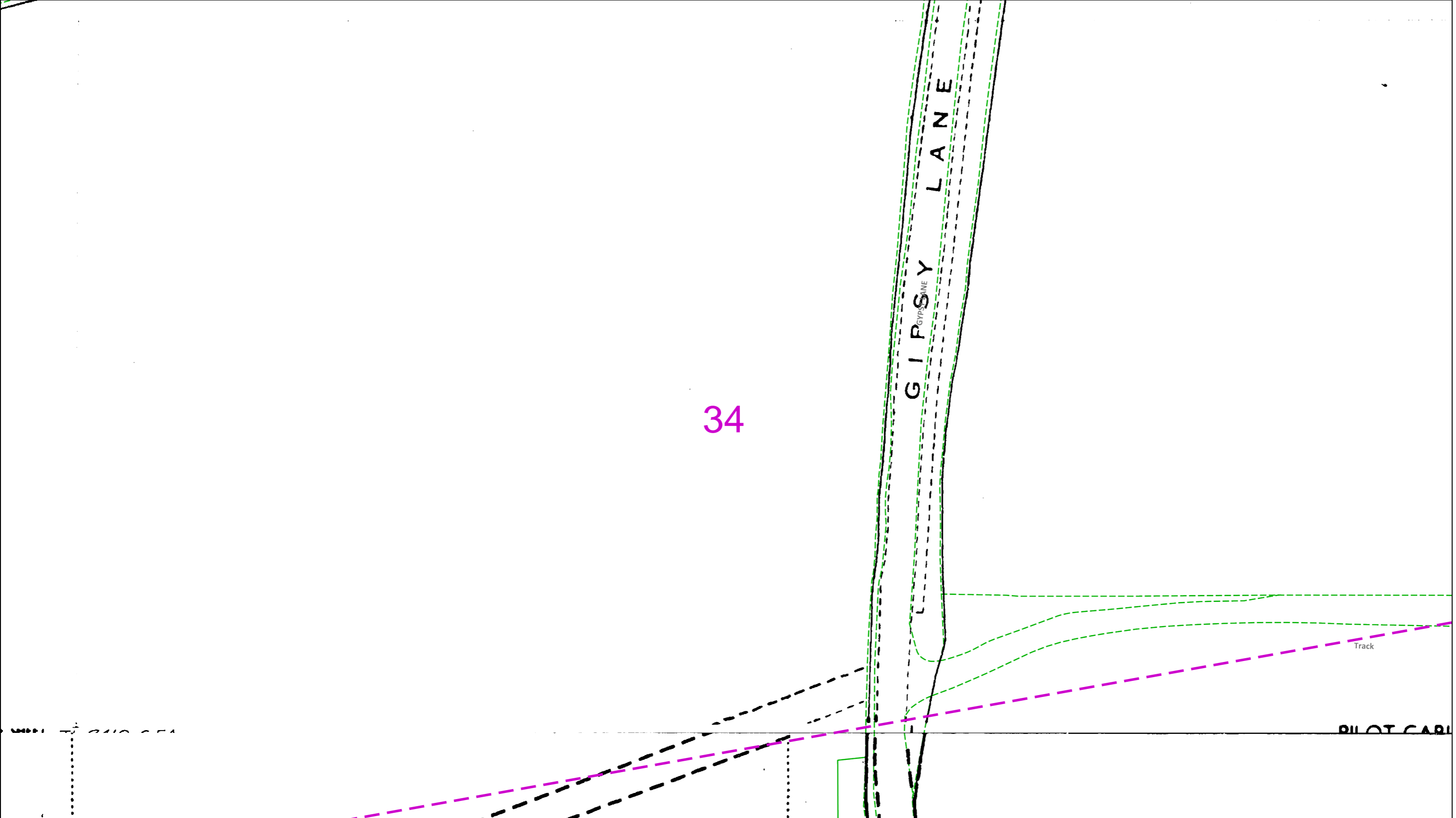


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<p>0 25 50 metres</p> <p>Dig Sites Area: <span style="color: purple;">----</span> Line: <span style="color: red;">----</span></p> <p>The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.</p>		
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25

50

metres

Dig Sites

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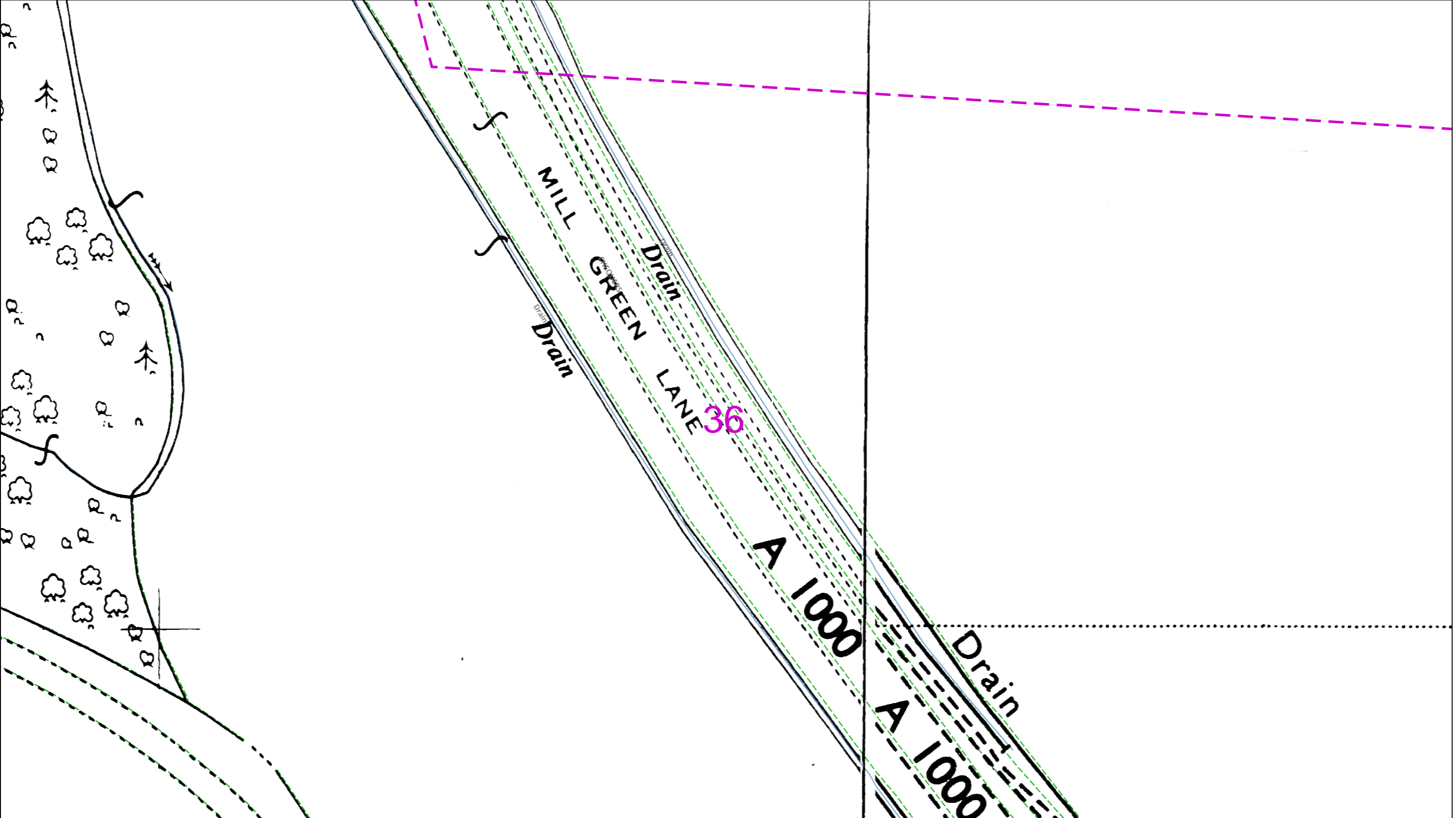
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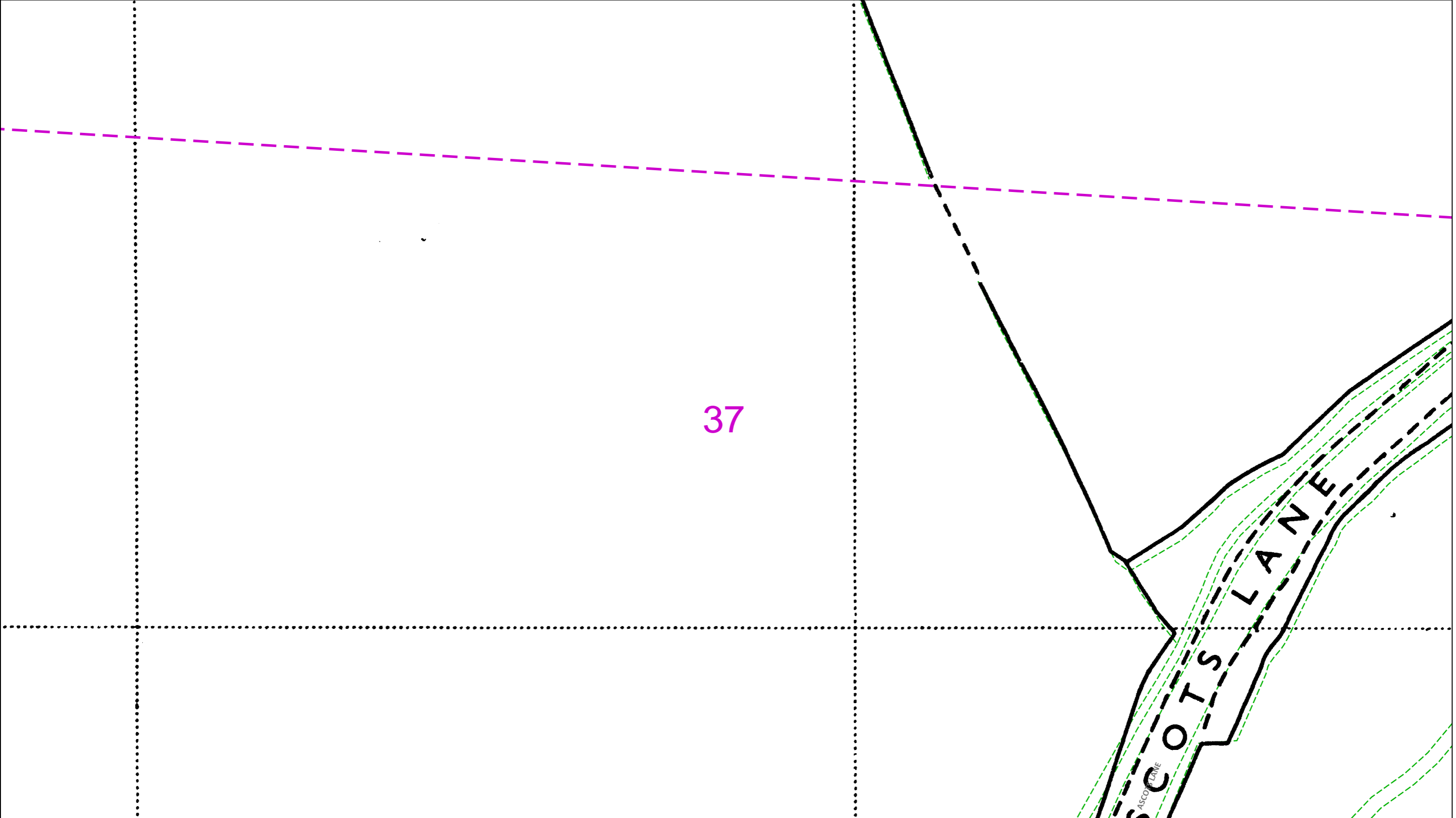
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<p>0 25 50</p> <p>metres</p>		<p>Dig Sites Area:  Line: </p> <p>The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.</p>									
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<p>Date Requested: 17/06/2021 Job Reference: 22435605 Site Location: 523510 210118 Requested by: Mr Duncan Phillips Your Scheme/Reference: 70084491</p>		<p>Scale: 1:500 (When plotted at A3)</p>		<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>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>					



02550metres

Dig SitesArea: [dashed magenta box] Line: [dashed magenta line]

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Job Reference: 22435605  
Site Location: 523510 210118  
Requested by: Mr Duncan Phillips  
Your Scheme/Reference: 70084491  
  
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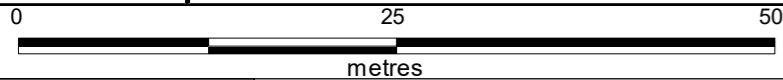
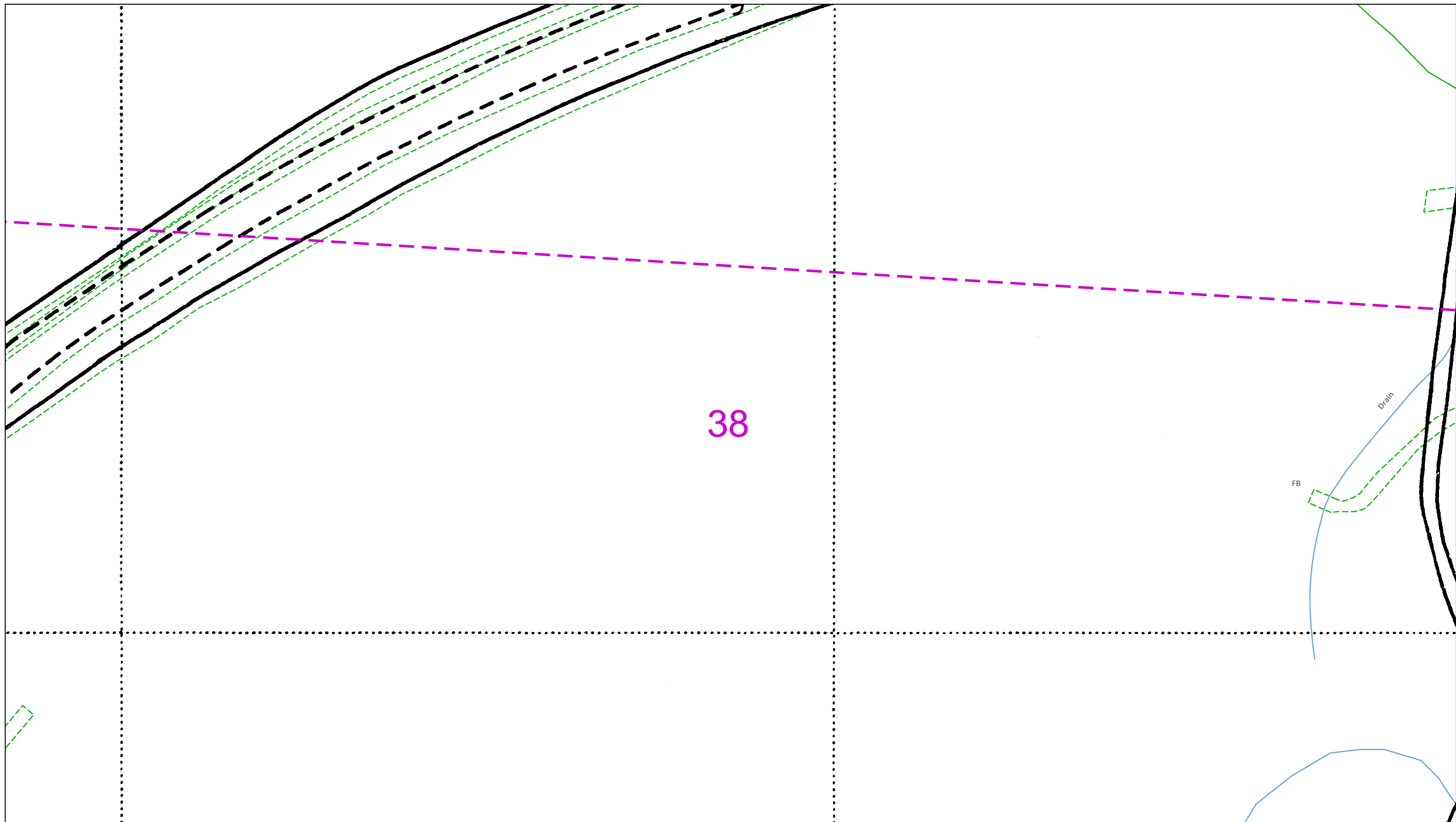
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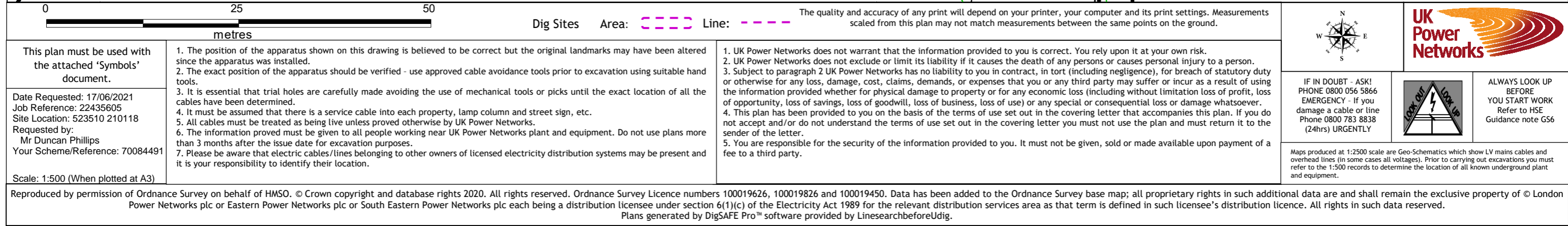


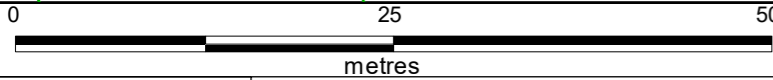
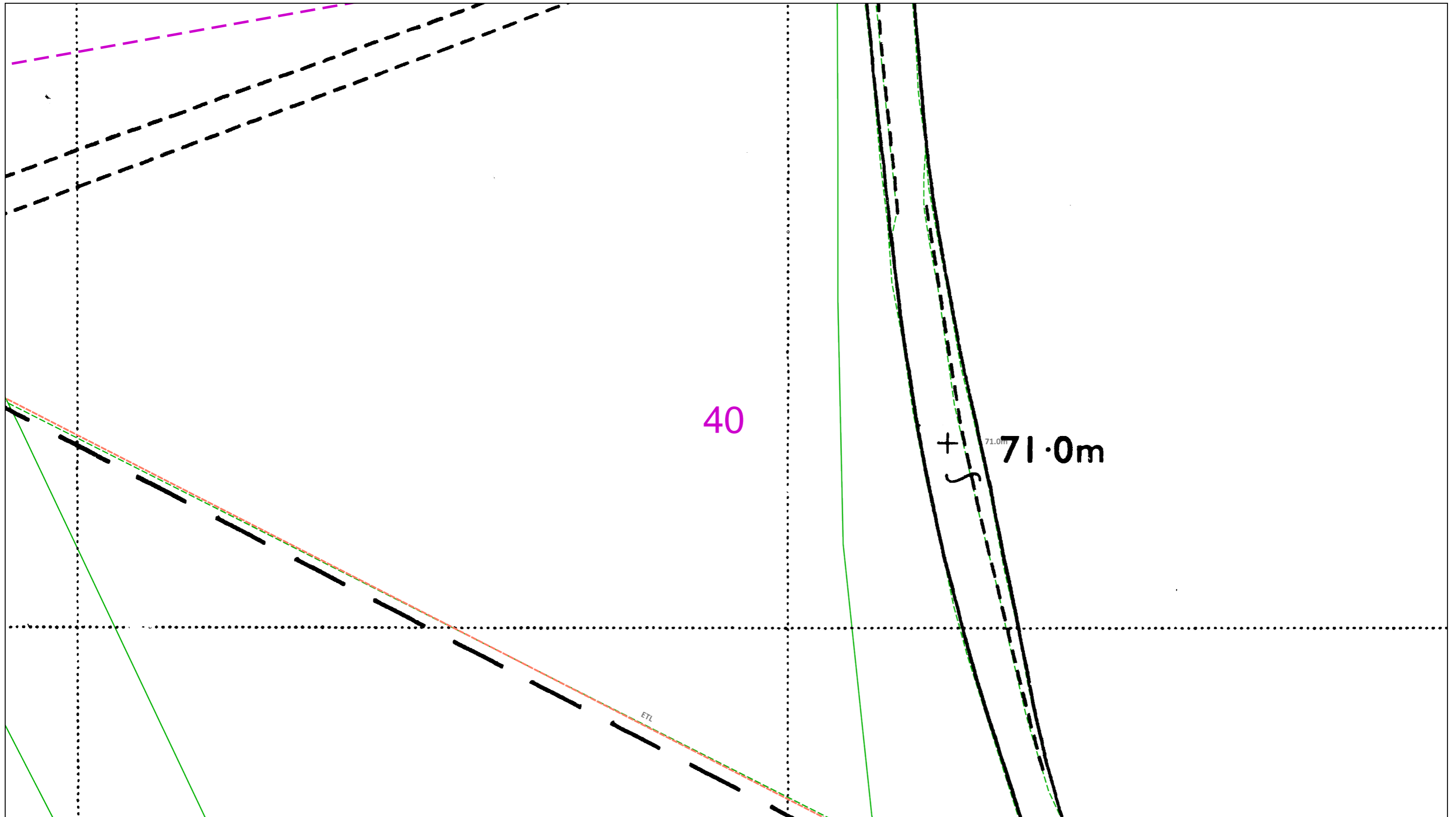
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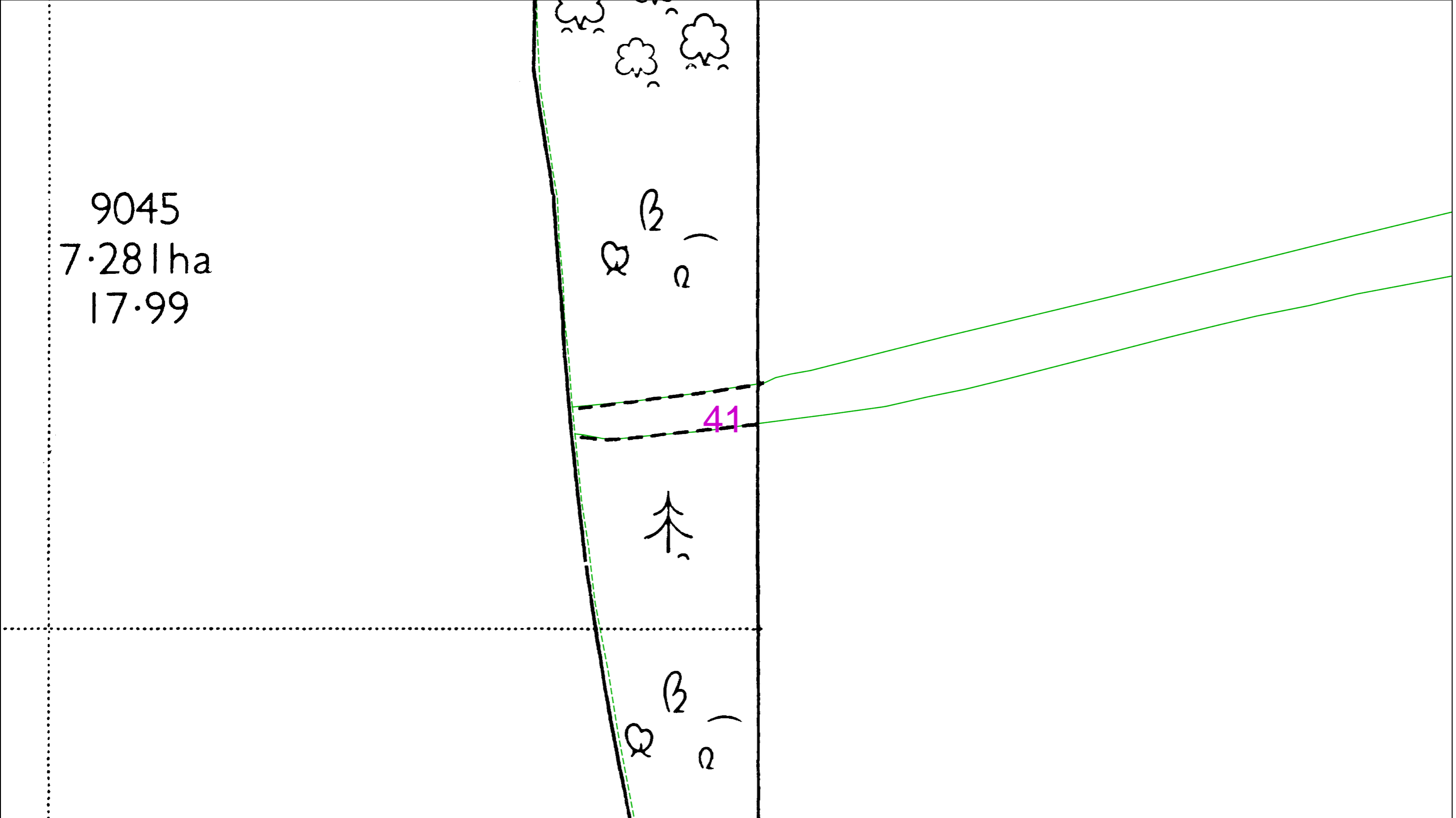
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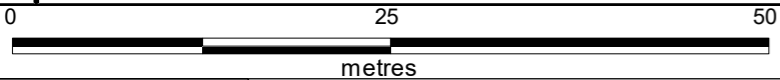
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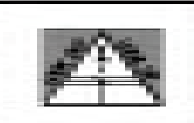
Cross Section : 2293013



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Rearranging of the  
cable



UK Power Networks  
100019450  
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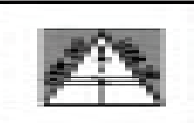
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OR WORK NEAR  
THESE CABLES

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Cross Section : 2293018



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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.  
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FOR EXISTING APPARATUS  
INDICATE THE  
POSITION OF THE  
CABLES AND  
EQUIPMENT



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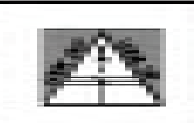
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FOR EXISTING APPARATUS  
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FOR EXISTING APPARATUS  
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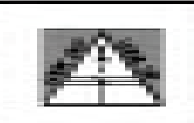
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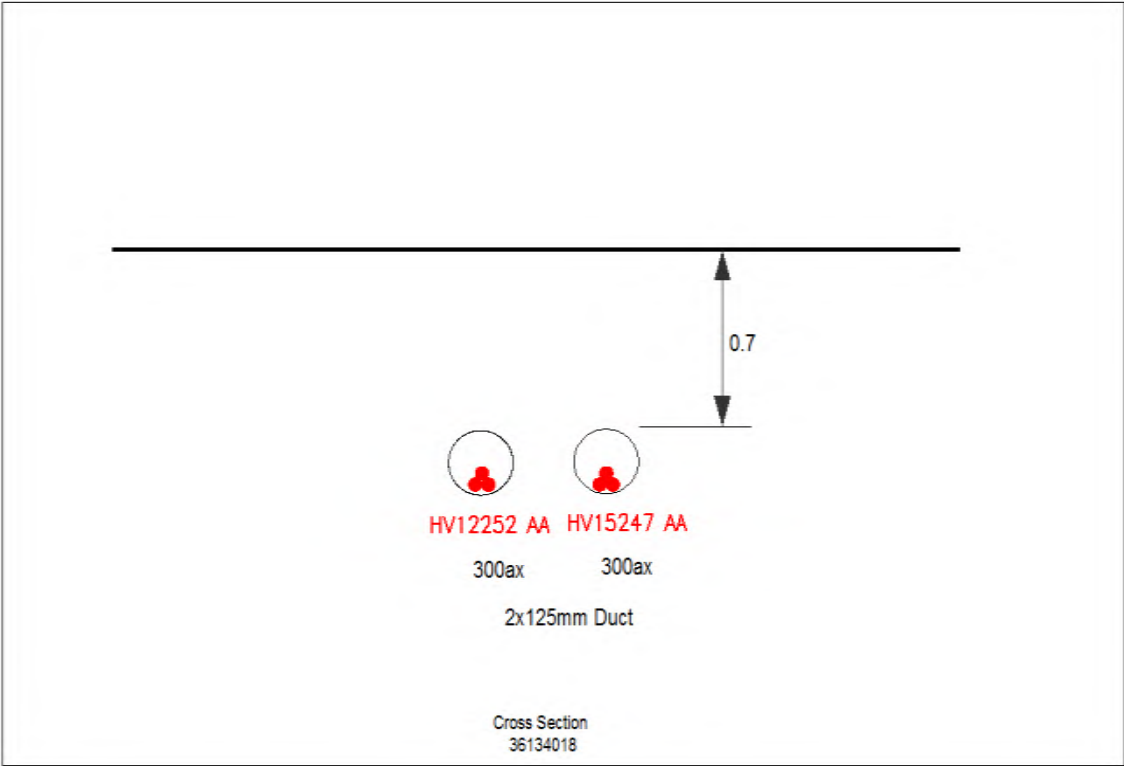
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Cross Section : 36134018



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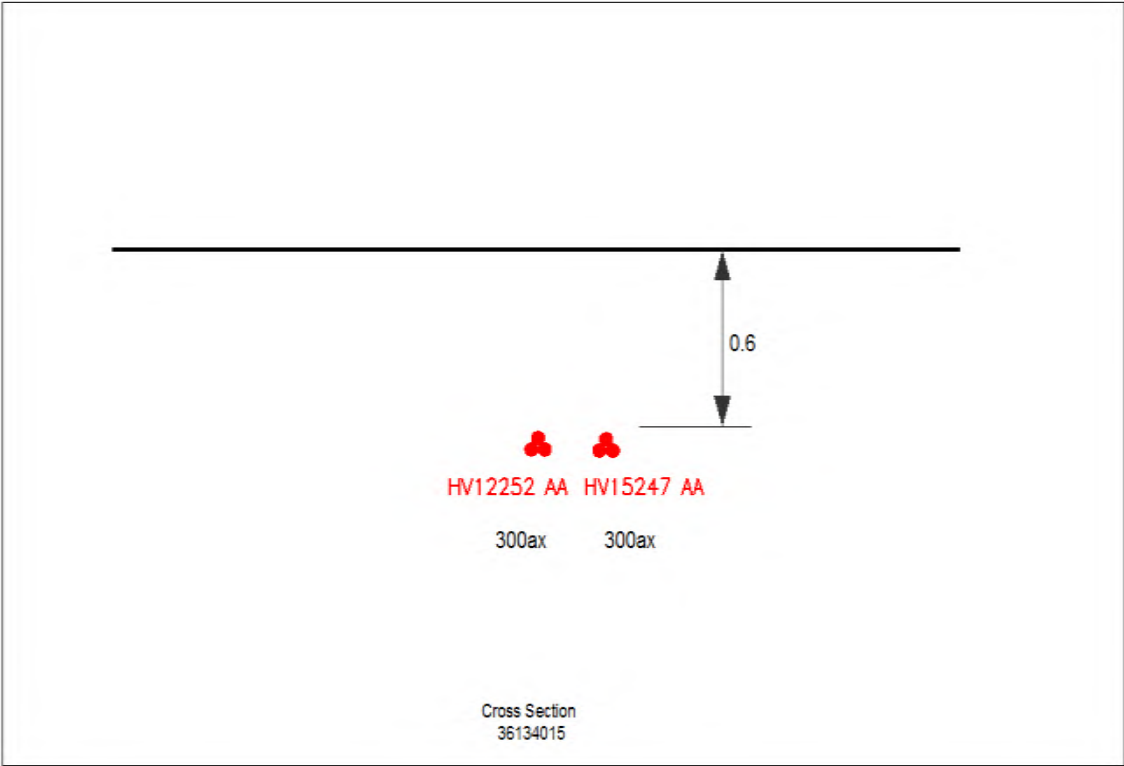
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UK Power Networks  
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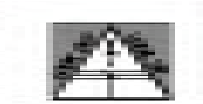
Cross Section : 36134015



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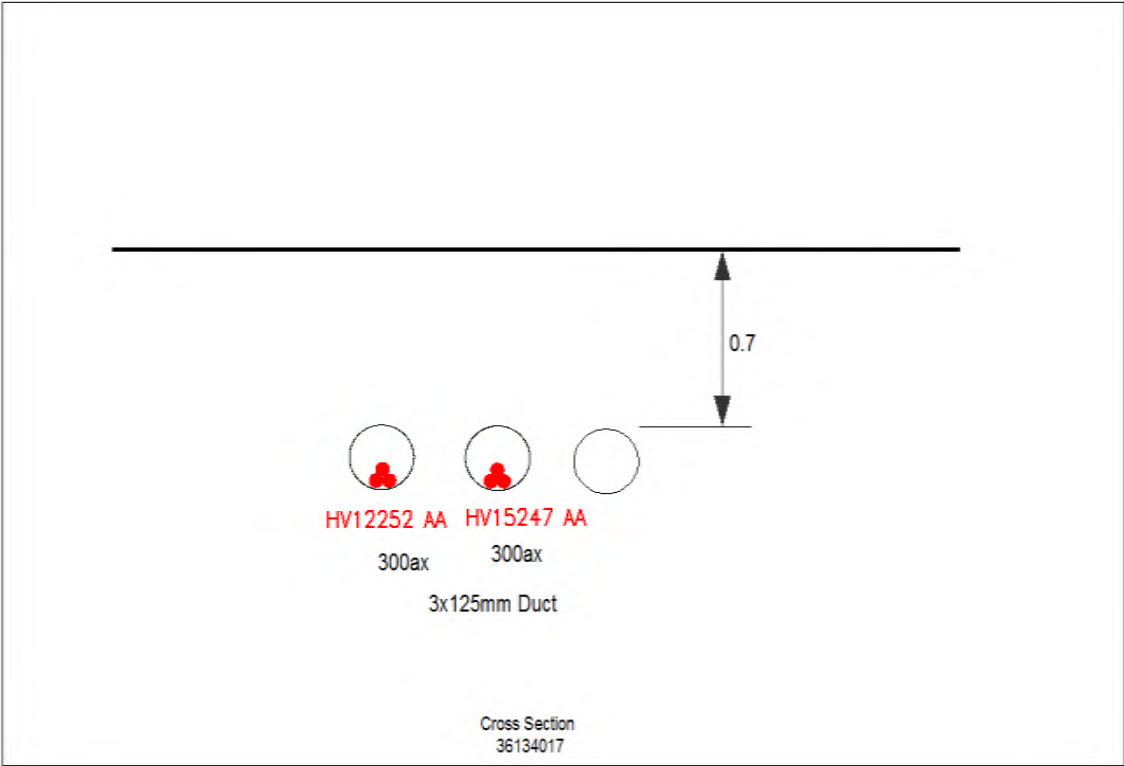
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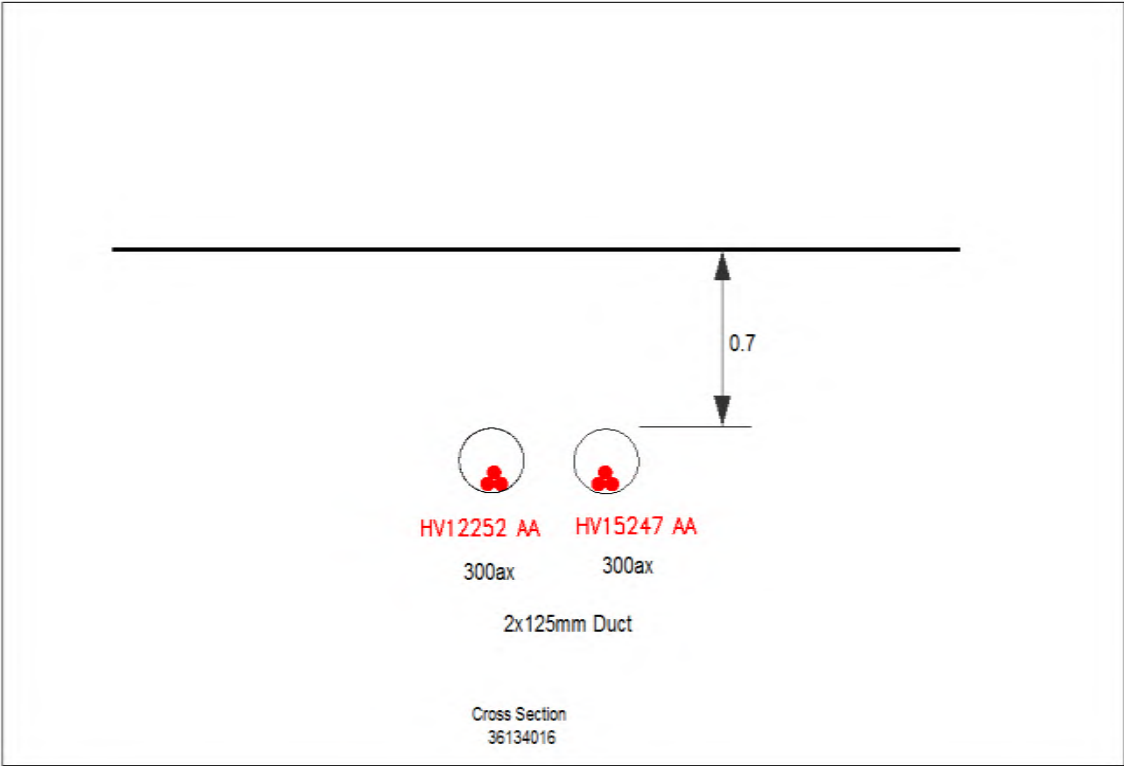
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# UK Power Networks Feedback Tool

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**

FOR CONTINUATION SEE SHEET TL 2310 NEA

FOR CONTINUATION SEE SHEET TL 2310 NWB

FOR COMPLETION SEE SHEET 7L 2410 NW

FOR CONTINUATION SEE SHEET: TL 2310 SEA

UNKNOWN

1.-2.

## PILOT CABLES AND HIGH VOLTAGE CABLES

Serial numbers refer to this sheet only and lengths are to sheet edge

[illegible]

NOTES (1) FOR FULL DETAILS OF J) BY CABLES REFERENCE SHOULD BE MADE TO THE PRIMARY RECORDS  
(2) E DENOTES CNE CABLE , DENOTES ALPEX TYPE

eastern electricity 

1 : 500 SCALE U/G MAINS

[illegible]

WELWYN GARDEN CITY

SHEET NO
----------

TL 2310 NEB

ISSUE

A

DATE \_\_\_\_\_

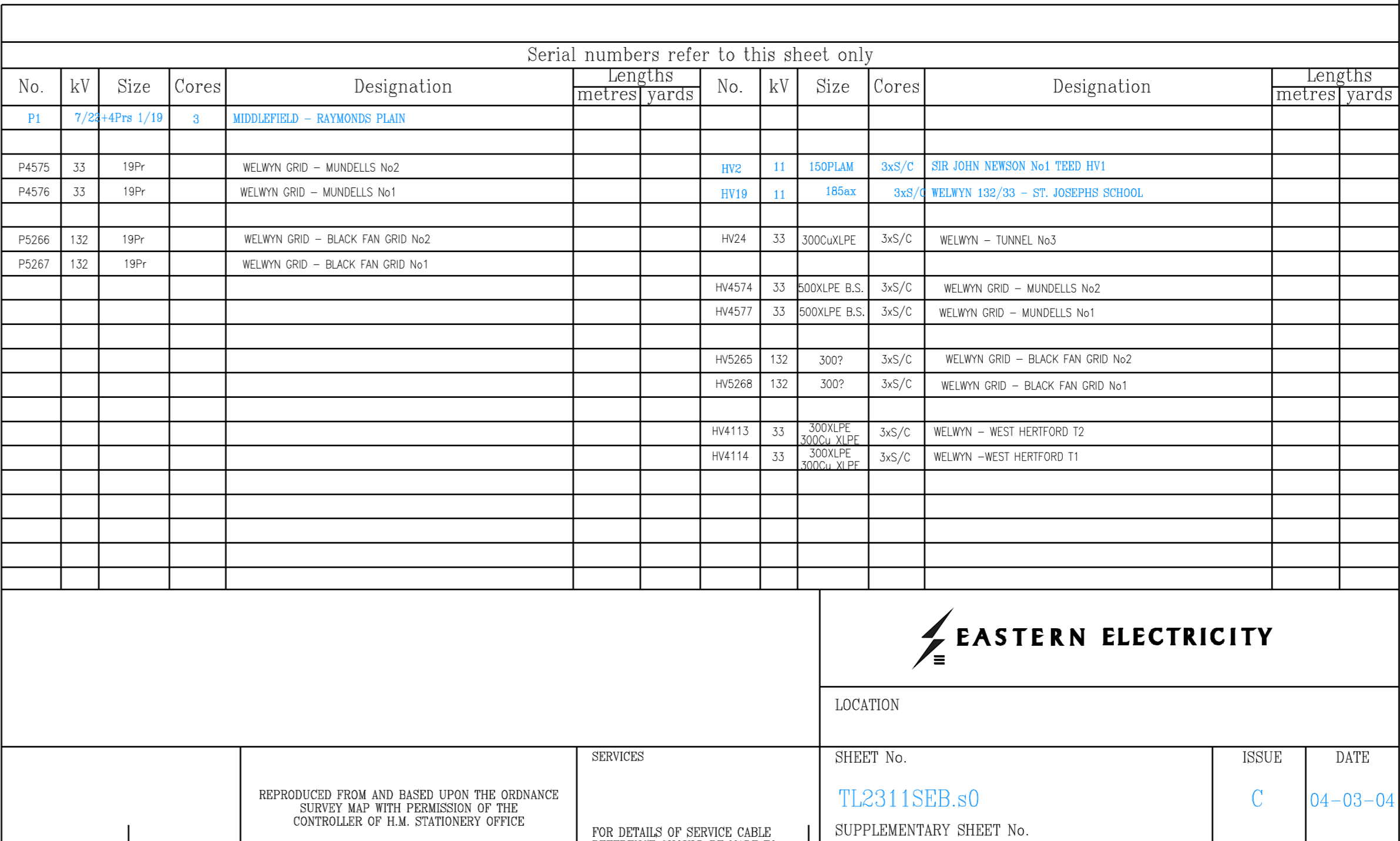
DIMENSIONS  
IN  
MILLIMETRES

REPRODUCED FROM OR BASED UPON THE  
ORDNANCE SURVEY MAP WITH THE SANCTION  
OF THE CONTROLLER OF HM STATIONERY  
OFFICE

**SERVICES**  
FOR DETAILS OF SERVICE CALL  
REFERENCE SHOULD BE MADE TO  
THE SERVICE CARDS IN THE

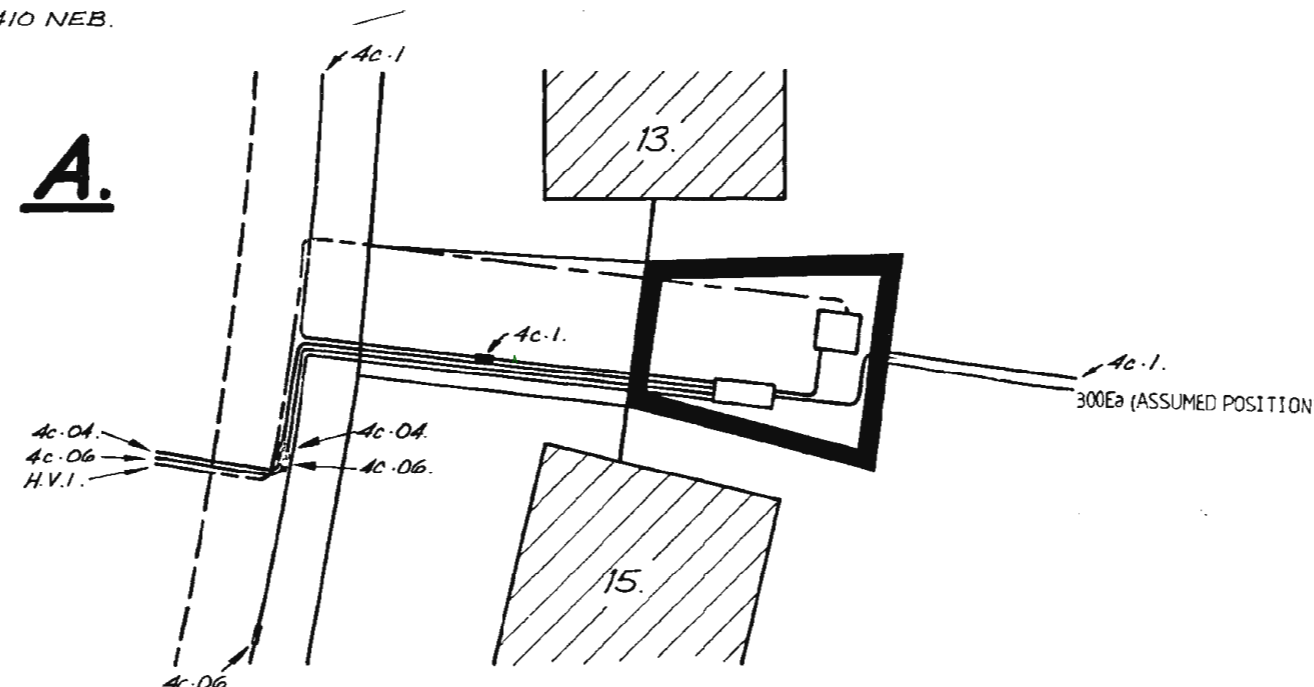
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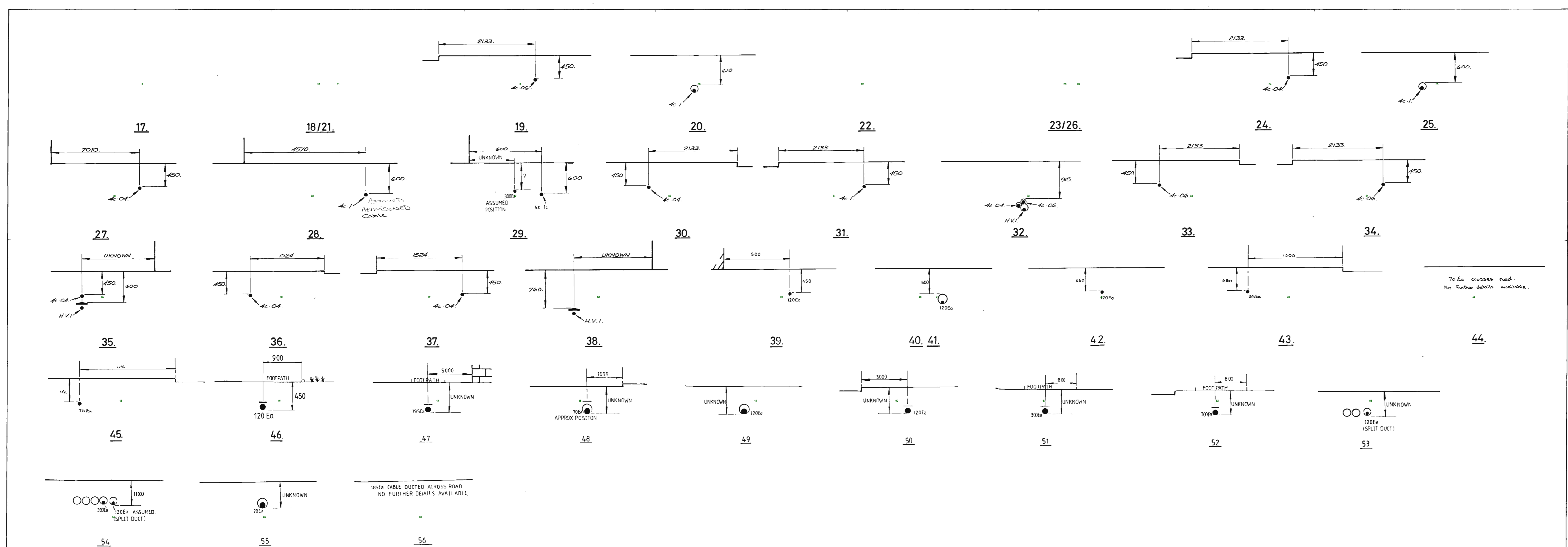


FOR CONTINUATION SEE SHEET **TL 2310 NWA**.

FOR CONTINUATION SEE SHEET 72 2510 NW



TL-2410. NEA.





UCL 2410 M27

FOR CONTINUATION SEE SHEET TL 2310 NEA

FOR CONTINUATION SEE SHEET TL2510NEA

[illegible]

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

eastern electricity 

1 : 500 SCALE U/G MAINS

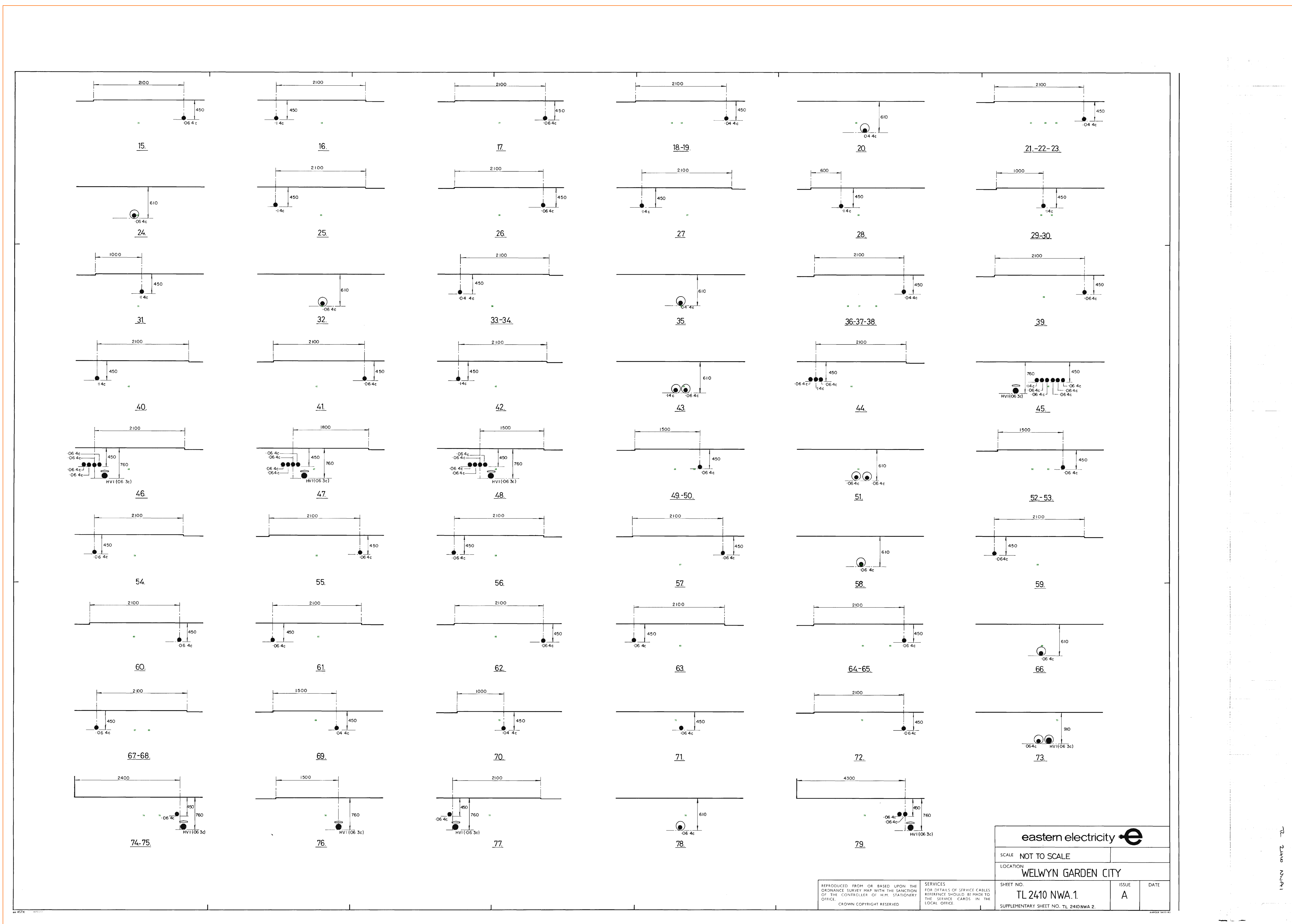
LOCATION  
WELWYN GARDEN CITY

SHEET NO. TL2410 NWA

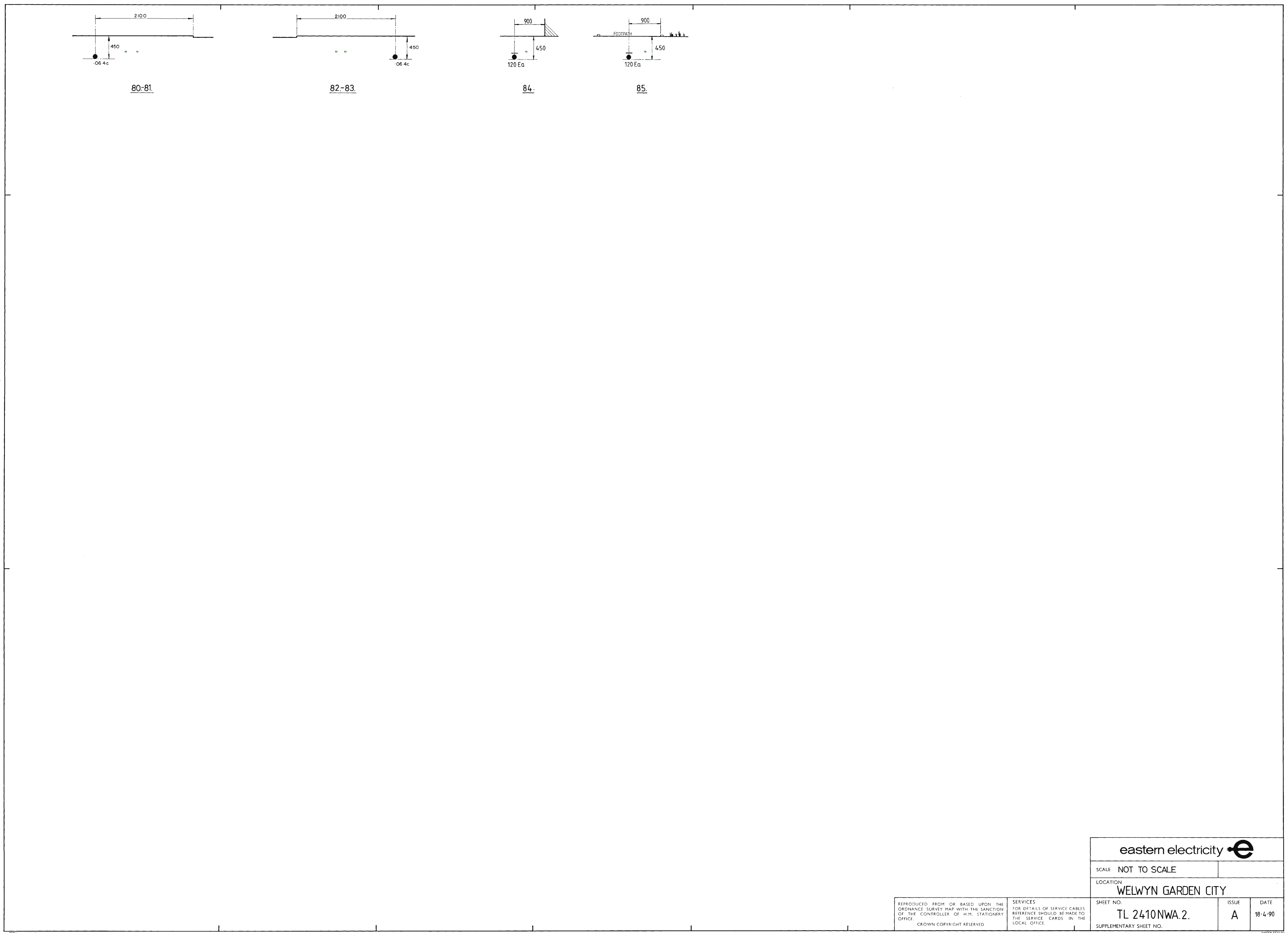
SUPPLEMENTARY SHEET NO TL 2410 NWA.1. AN TL 2410 NWA.2

ISSUE  
A

DATE  
18-4-90



S2



FOR CONTINUATION SEE SHEET      TL 24-10 NWA

FOR CONTINUATION SEE SHEET TL 2310 NEB

FOR CONTINUATION SEE SHEET TL 2410 NEXT

[illegible]

FOR CONTINUATION SEE SHEET TL 2410 NER

FOR CONTINUATION SEE SHEET TL 2410 SWA

FOIL CONTINUATION SEE SHEET 71 2410 SEP

FOR CONTINUATION OF SHEET 7L 2510 SW

[illegible]

200m.

100π.

TL 2410 SEA

TL 2410 SEA

FOR CONTINUATION SEE SHEET TL 2410 NUB

FOR CONTINUATION SEE SHEET 7 2510 SEA

FOR CONTINUATION SEE SHEET TL 2410 SEN

2007.

100m.

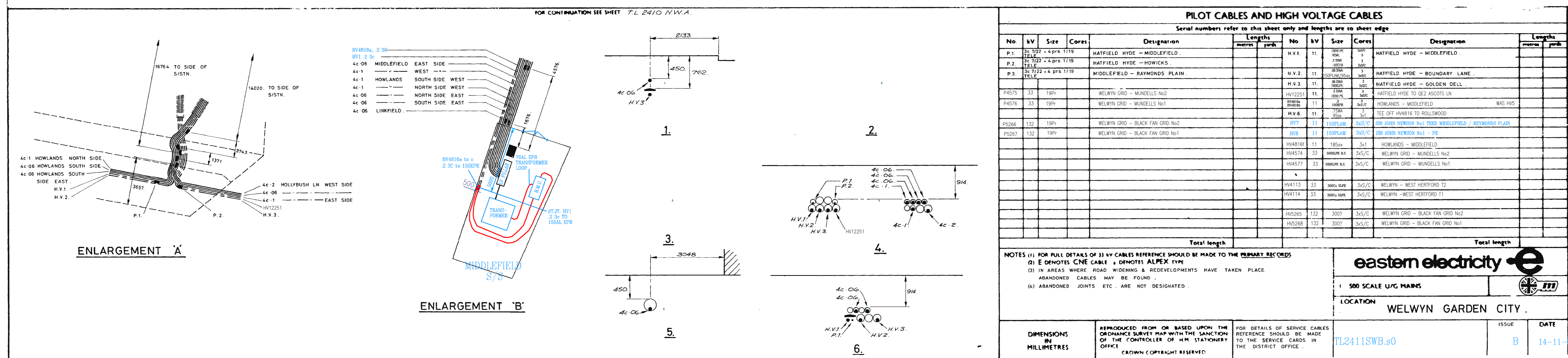
71 0192 SWA.

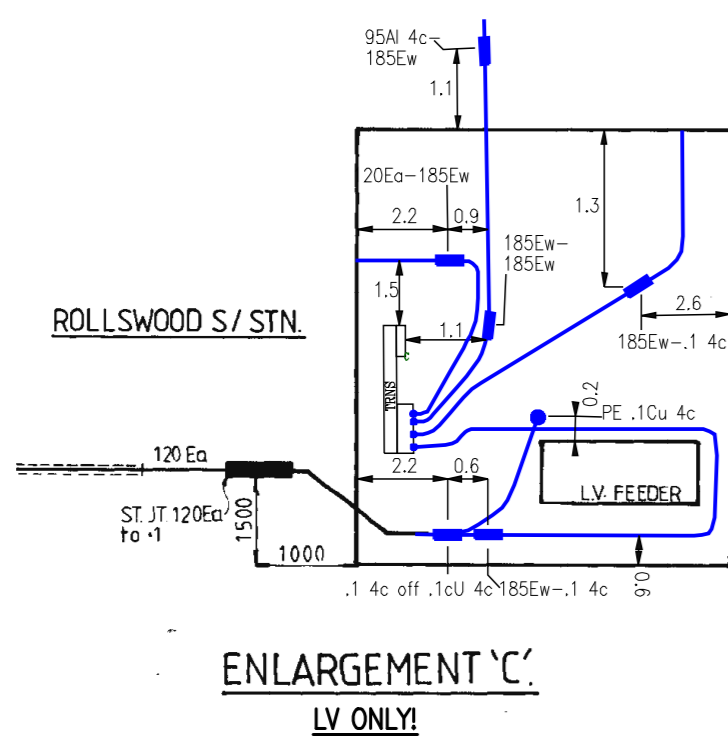
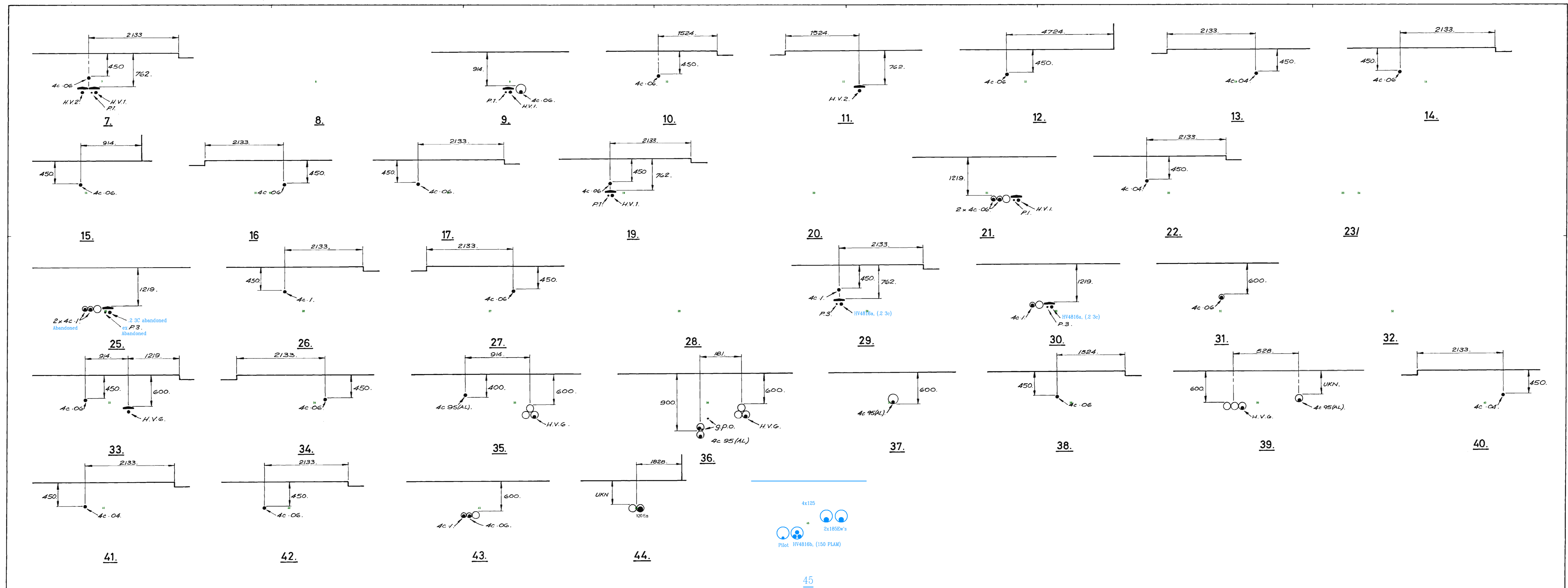
[illegible]


FOR CONTINUATION SEE SHEET 72, 231' S.E.B.

FOR CONTINUATION OF MILIT T.L. 2411 S.E.B.

T.L. 2411.S.W.B.





eastern electricity 	
SCALE	NOT TO SCALE.
LOCATION	
WELWYN GARDEN CITY.	
SHEET NO.	DATE
TL2411SWB.s1	20-11-97
SUPPLEMENTARY SHEET NO.	

REPRODUCED FROM OR BASED UPON THE  
ORIGINATOR'S SURVEY MAP WITH THE SANCTION  
OF THE CONTROLLER OF H.M. STATIONARY  
OFFICE.

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



# 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.
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15	Service joints.
17	Cross sections.
17	Common abbreviations/terminology (all views).
19	<u>1:2500 (LV) &amp; 1:10000 (HV) network views</u> (UK Power Networks use only).
20	General.
22	1:2500 scale LV network.
22	1:10000 scale HV network.
23	<u>LV network diagram view</u> (UK Power Networks use only).
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.**

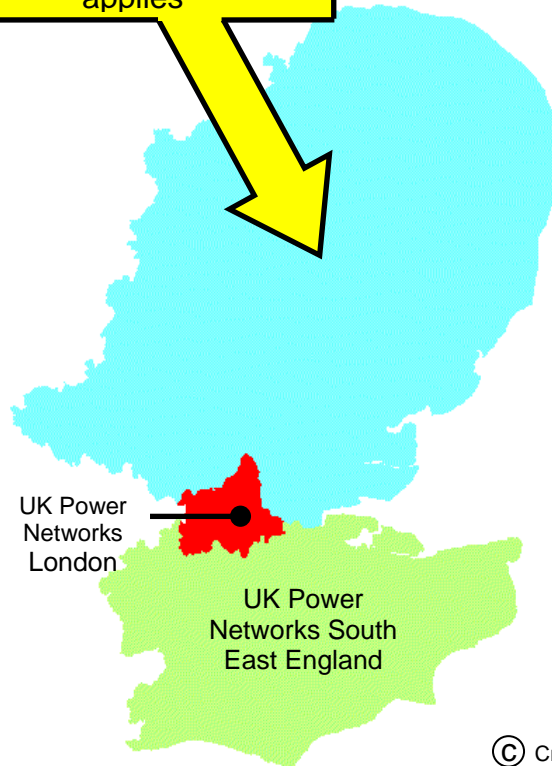
- The position of apparatus shown on NetMAP is believed to be correct, but the original landmarks may have altered since the apparatus was installed.
- It must be assumed that there is at least one service to each property, lamp column, street sign etc.
- All cables must be treated as live, unless proven 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










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## 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 xxxx 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 <a href="http://www.linewatch.co.uk">www.linewatch.co.uk</a> 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		

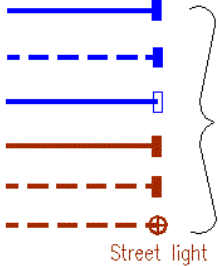
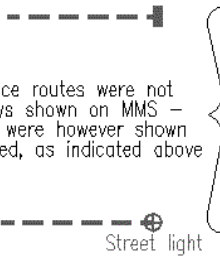
Scenery for UK Power Networks use only - boxed in red		
NetMAP system	Scanned image	Description
	Not applicable	Nature - Local Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Nature - National Nature Reserve (only visible to UK Power Networks and their 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)

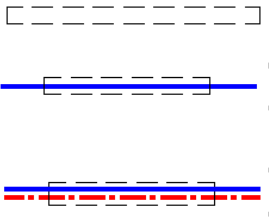
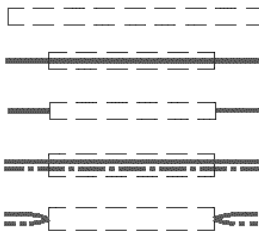
### Primary distribution cables (1:500 view)

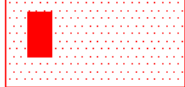
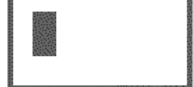























NetMAP system	Scanned image	Description
		Over 33kV and up to 132kV
		Over 11kV and up to 33kV

### 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
(Only shown this way if independent from HV cable route)		
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)

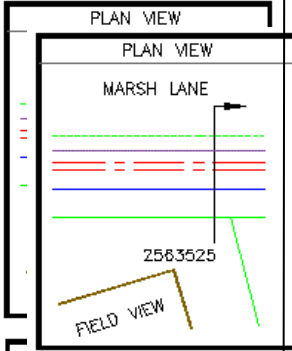
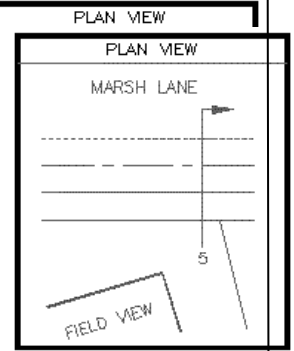
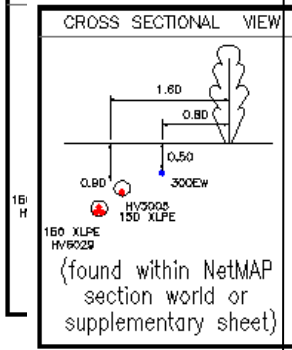
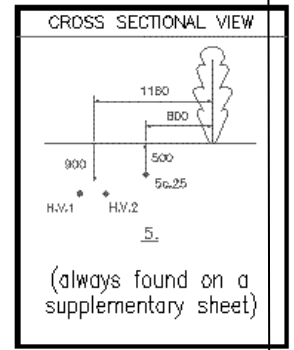
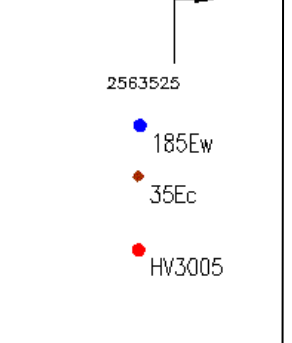
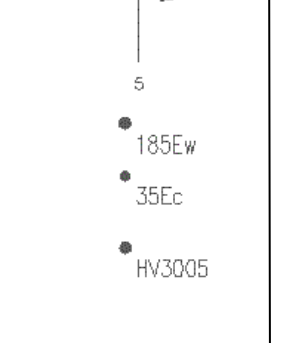
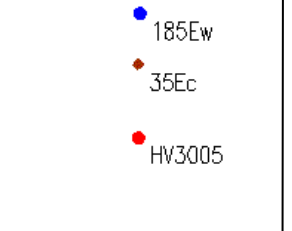

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EHV, HV and LV sites continued (1:500 view)		
NetMAP system	Scanned image	Description
No NetMAP equivalent  CAUTION Missing Information	  No equivalent	Service turret (with link facility on LV main)  Missing data in or near this location
 Contaminated Land refer to SHE 01 016	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 – on 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








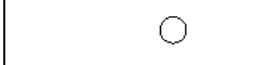


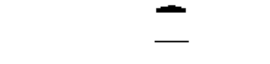



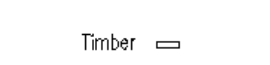









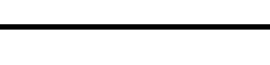
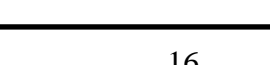
Service joints (1:500 view)		
NetMAP system	Scanned image	Description
Please note that 3 phase services are shown blue, and single phase services are shown brown		
		Straight joint
		Service joint to main
		Pot end

## 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
		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
		HV cable – modern EPR, Plam and Triplex with route number annotation
		Pilot cable
		33kV cable
		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

## 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

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## Common abbreviations and terminology continued (all views)























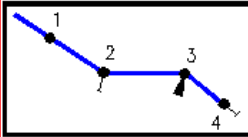
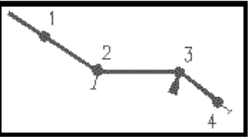






Abbrev.	Description	Abbrev.	Description
Jumper	Connecting lead between open points, section points and overhead plant	PICAS	Paper insulated corrugated aluminium sheath armoured
kV	Kilovolt (or 1,000 Volts) – unit of electrical pressure	PILC	Paper insulated lead covered
kW	Kilowatt (1,000 Watts) – unit 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








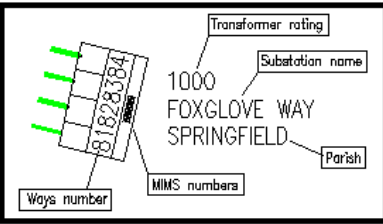
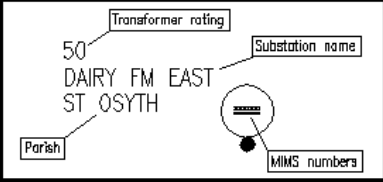



## Underground cables (LV network diagram view)

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

## Joints (LV network diagram view)

NetMAP system	Description
	Pot end or Sicame Box
	Straight joint
	Crutch joint
	3 phase termination

## Substations/pole transformers (LV network diagram view)

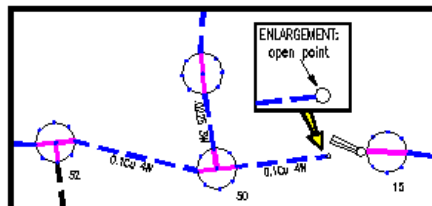
NetMAP system	Description
<p>There are many substation combinations – these are merely a sample of configurations that can be found.</p>            	<p>2 way substation</p> <p>4 way substation</p> <p>4 way twin busbar substation</p> <p>10 way back to back substation</p> <p>Pole transformer (normal)</p> <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>

section continued on next page

## 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



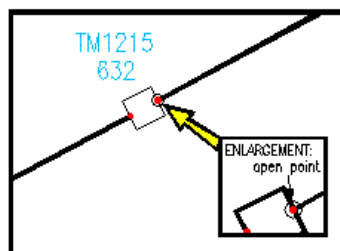
5 way link box



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**

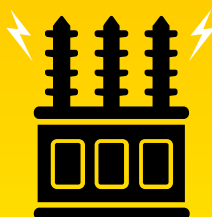
**Be Bright**

**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

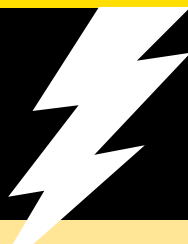
**POWER CUT?  
CALL 105**

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



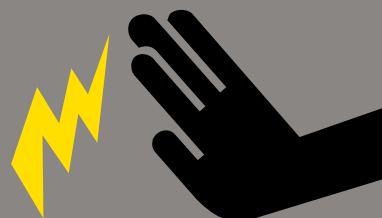
**OVERHEAD POWER LINES** ARE OFTEN UNINSULATED (BARE)



**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/](http://www.ukpowernetworks.co.uk/internet/en/safety/)


If you are unsure who your network operator is then please visit  
[www.energynetworks.org](http://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](http://www.linesearchbeforeudig.co.uk)  
or [www.ukpowernetworks.co.uk](http://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](http://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](http://www.ukpowernetworks.co.uk)**

To request your FREE vehicle cab stickers visit  
**[www.ukpowernetworks.co.uk/internet/en/safety/](http://www.ukpowernetworks.co.uk/internet/en/safety/)**

If you are unsure who your network  
operator is then please visit  
**[www.energynetworks.org](http://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

# THIRD PARTY SEARCHES

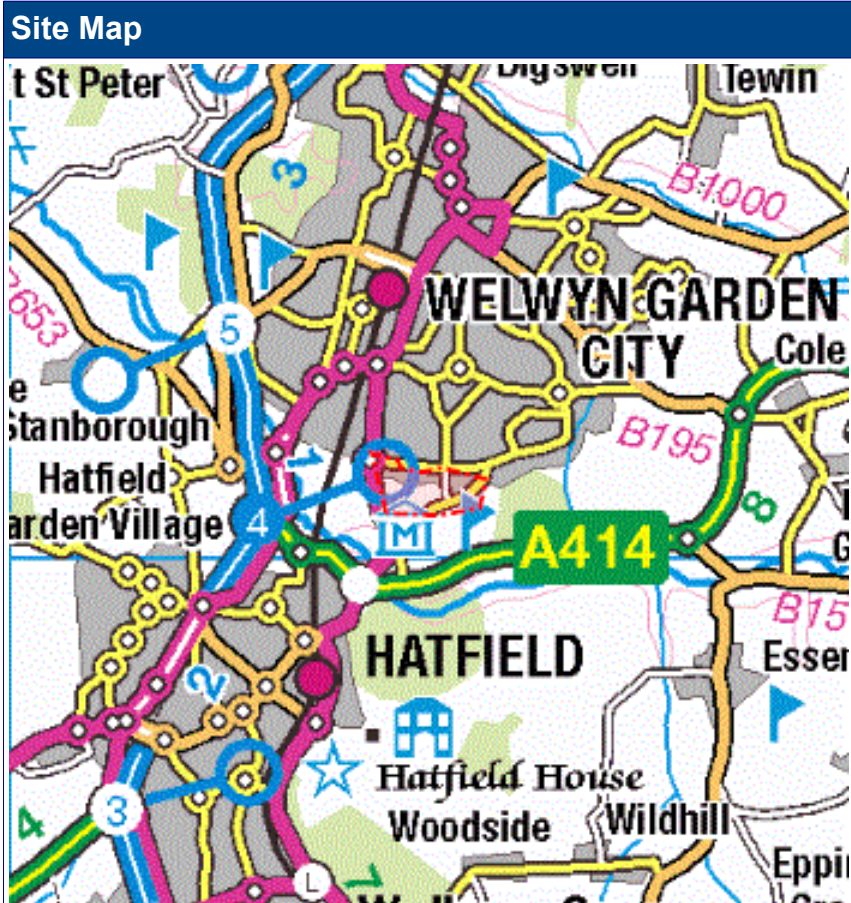
**Enquirer**

Name	Mr Duncan Phillips	Phone	01516325142
Company	Cornerstone Projects	Mobile	Not Supplied
Address	91 Market Street Hoylake Merseyside CH47 5AA		
Email	searches@cornerstoneprojects.co.uk		

**Enquiry Details**

Scheme/Reference	70084491		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	30/06/2021	Work type	Commercial/industrial
End date	30/06/2021	Site size	506357 metres square
Searched location	XY= 524332, 210790	Work type buffer*	25 metres
Confirmed location	524421 210654		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works			

\* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.



## Asset Owners

**Terms and Conditions.** Please note that this enquiry is subject always to our standard terms and conditions available at [www.lineasearchbeforeudig.co.uk](http://www.lineasearchbeforeudig.co.uk) ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

**Notes.** Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.

**Validity and search criteria.** The results of this enquiry are based on the confirmed information you entered and are valid only as at the date of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LineasearchbeforeUdig accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

**Asset Owners & Responses.** Please note the enquiry results include the following:

1. "LSBUD Members" who are asset owners who have registered their assets on the LSBUD service.
2. "Non LSBUD Members" are asset owners who have not registered their assets on the LSBUD service but LSBUD is aware of their existence. Please note that there could be other asset owners within your search area.

Below are three lists of asset owners:

1. **LSBUD Members who have assets registered within your search area. ("Affected")**
  - a. **These LSBUD Members will either:**
    - i. **Ask for further information ("Email Additional Info" noted in status).** The additional information includes: Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.
    - ii. **Respond directly to you ("Await Response").** In this response they may either send plans directly to you or ask for further information before being able to do so, particularly if any payments or authorisations are required.
2. **LSBUD Members who do not have assets registered within your search area. ("Not Affected")**
3. **Non LSBUD Members who may have assets within your search area.** Please note that this list is not exhaustive and all details are provided as a guide only. It is your responsibility to identify and consult with all asset owners before proceeding.

**National Grid.** Please note that the LSBUD service only contains information on National Grid's Gas above 7 bar asset, all National Grid Electricity Transmission assets and National Grid's Gas Distribution Limited above 2 bar asset.

For National Grid Gas Distribution Ltd below 2 bar asset information please go to [www.beforeyoudig.nationalgrid.com](http://www.beforeyoudig.nationalgrid.com)

**LSBUD Members who have assets registered on the LSBUD service within the vicinity of your search area.**

### List of affected LSBUD members

Asset Owner	Phone/Email	Emergency Only	Status
ESP Utilities Group	01372227560	01372227560	Await response
Last Mile	plantenquiries@lastmile-uk.com	0800111999	Await response
UK Power Networks	08000565866	08000565866	Await response
Zayo Group UK Ltd c/o JSM Group Ltd	01992 655 919	0800 169 1646	Await response

**LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD Members make regular changes to their assets and this list may vary for new enquiries in the same area.**

### List of not affected LSBUD members

AWE Pipeline	Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)
Box Broadband	BP Exploration Operating Company Limited	BPA
Carrington Gas Pipeline	CATS Pipeline c/o Wood Group PSN	Cemex
Centrica Storage Ltd	CNG Services Ltd	Concept Solutions People Ltd
ConocoPhillips (UK) Teesside Operator Ltd	Diamond Transmission Corporation	DIO (MOD Abandoned Pipelines)
DIO (MOD Live Pipelines)	E.ON UK CHP Limited	EirGrid
Electricity North West Limited	ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited
EP Langage Limited	ESSAR	Esso Petroleum Company Limited
Exolum Pipeline System	Fulcrum Pipelines Limited	Gamma
Gas Networks Ireland (UK)	Gateshead Energy Company	Gigaclear Ltd
Gtt	Harbour Energy	Heathrow Airport LTD
Humbly Grove Energy	IGas Energy	INEOS FPS Pipelines
INEOS Manufacturing (Scotland and TSEP)	INOVYN ChlorVinyls Limited	INOVYN Enterprises Limited
Intergen (Coryton Energy or Spalding Energy)	Jurassic Fibre Ltd	Mainline Pipelines Limited
Manchester Jetline Limited	Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)
Melbourn Solar Limited	Murphy Utility Assets	National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission
Neos Networks	Northumbrian Water Group	NPower CHP Pipelines
NTT Global Data Centers EMEA UK Ltd	NYnet Ltd	Oikos Storage Limited
Ørsted	Perenco UK Limited (Purbeck Southampton Pipeline)	Petroineos
Phillips 66	Portsmouth Water	Premier Transmission Ltd (SNIP)
Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)	RWEnpower (Little Barford and South Haven)
SABIC UK Petrochemicals	Scottish and Southern Electricity Networks	Scottish Power Generation
Seabank Power Ltd	SES Water	SGN
Shell	Shell NOP	SSE Generation Ltd
SSE Transmission	SSE Utility Solutions Limited	Tata Communications (c/o JSM Construction Ltd)

Total Colnbrook Pipelines	Total Finaline Pipelines	Transmission Capital
Uniper UK Ltd	University of Cambridge Granta Backbone Network	Vattenfall
Veolia ES SELCHP Limited	Veolia ES Sheffield Ltd	VPI Power Limited
Wales and West Utilities	West of Duddon Sands Transmission Ltd	Western Power Distribution
Westminster City Council		

# CABLE

## Searches - Cornerstone Projects Ltd

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**From:** Joi, Ravina <Ravina.Joi@atkinsglobal.com>  
**Sent:** 18 June 2021 13:24  
**To:** Searches - Cornerstone Projects Ltd  
**Subject:** RE: Plant Enquiries - Site Ref. 70084491 Land at Creswick

Please accept this email as confirmation that Vodafone: Fixed **does not** have apparatus within the vicinity of your proposed works detailed below.

Many thanks.

Plant Enquiries Team  
T: +44 (0)1454 662881  
E: [osm.enquiries@atkinsglobal.com](mailto:osm.enquiries@atkinsglobal.com)

This response is made only in respect to electronic communications apparatus forming part of the Vodafone Limited electronic communications network formerly being part of the electronic communications networks of Cable & Wireless UK (now re-named Vodafone Enterprise UK), Energis Communications Limited, Thus Group Holdings Limited and Your Communications Limited.

ATKINS working on behalf of Vodafone: Fixed



### **PLEASE NOTE:**

The information given is indicative only. No warranty is made as to its accuracy. This information must not be solely relied upon in the event of excavation or other works carried out in the vicinity of Vodafone plant. No liability of any kind whatsoever is accepted by Vodafone, its servants, or agents, for any error or omission in respect of information contained on this information. The actual position of underground services must be verified and established on site before any mechanical plant is used. Authorities and contractors will be held liable for the full cost of repairs to Vodafone's apparatus and all claims made against them by Third parties as a result of any interference or damage.

### **IMPORTANT - PLEASE READ:**

Diversionary works may be necessary if the existing line of the highway/railway or its levels are altered, where apparatus is affected. Where apparatus is affected and requires diversion, you must submit draft details of the proposed scheme with a request for a 'C3 Budget Estimate' to [c3requests@vodafone.com](mailto:c3requests@vodafone.com). These estimates should be provided by Vodafone normally within 20 working days from receipt of your request. Please include proof of this C2 response when requesting a C3 (using the 'forward' option).



Please consider the environment before printing this e-mail

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**From:** Searches - Cornerstone Projects Ltd <[searches@cornerstoneprojects.co.uk](mailto:searches@cornerstoneprojects.co.uk)>  
**Sent:** 17 June 2021 20:12  
**To:** National Plant Enquiries <[OSM.enquiries@atkinsglobal.com](mailto:OSM.enquiries@atkinsglobal.com)>  
**Subject:** Plant Enquiries - Site Ref. 70084491 Land at Creswick

Dear Sir/Madam,

Re: - Underground Apparatus / Plant

Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790

In order that all reasonable precautions may be taken to avoid risk to health and safety through contact with any of your existing apparatus during execution of works at the above site location, please provide plan(s) indicating the general position and nature of your apparatus in the locality. In addition, please highlight any likely special problems that could arise in connection with your apparatus as a result of the works and any limitations on the quality of the information provided.



## Searches - Cornerstone Projects Ltd

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**From:** NRSWA <nrswa.nrswa@sky.uk>  
**Sent:** 21 June 2021 11:40  
**To:** searches@cornerstoneprojects.co.uk  
**Subject:** Plant Enquiries - Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790



Thank you for your enquiry.

Please be advised that Sky Telecommunications Services Ltd will not be affected by your proposal.

Best endeavours have been made to ensure accuracy, however if you require further information, please contact us by email at [nrswa@sky.uk](mailto:nrswa@sky.uk).

Regards



NRSWA Department  
Sky UK - Technology - Operations

 [nrswa@sky.uk](mailto:nrswa@sky.uk)  +44 2070323234

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**From:** Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>  
**Sent:** 17 June 2021 15:43  
**To:** Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>  
**Subject:** [EXTERNAL] Plant Enquiries - Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790

Dear Sir/Madam,

Re: - Underground Apparatus / Plant

Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790

In order that all reasonable precautions may be taken to avoid risk to health and safety through contact with any of your existing apparatus during execution of works at the above site location, please provide plan(s) indicating the general position and nature of your apparatus in the locality. In addition, please highlight any likely special problems

COLT PLANT ENQUIRIES

C.A TELECOM UK LIMITED  
Unit 2, CA Business Park  
Colewood Road  
Whitstable  
Kent CT5 2RP



Email: [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com)

Tel: 01227 768427

Our Reference: P028598

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OVERSEEING ORGANISATION AGENT ACHEME REFERENCE

O.O Agent – Cornerstone Projects  
Contact – Matthew Nolan  
Title – Creswick, east of A1000, South of Boundary Lane  
Scheme Ref – 70084491

02<sup>nd</sup> July 2021

Dear Sir/Madam,

Thank you for your enquiry for the above reference. We can confirm that Colt Technology Services do have apparatus near the above location within the scheme reference and enclose the relevant drawings showing the approximate location of Colt apparatus for purpose of initial plant enquiry. Detailed network location will be presented via Scheme Identification Study Process. All reasonable effort has been made to capture network however image may not reflect unprocessed new build track. Search is based on Overseeing Organisation Agent data supplied; we do not accept responsibility for O.O Agent inaccurate data.

If your proposed works are likely to affect or expose the Colt Technology Services apparatus in anyway please contact Colt Civils Team members below to discuss any plant protection/diversionary measures that may be required, as per the code of Practice Measures necessary where apparatus is affected under NRSWA 1991 Diversionary Works Scheme Identification & Preliminary C2 Enquires. Along with proposed start dates for works to begin.

**Clients request for C3 budget costs will trigger the onsite survey to ascertain the requirement's needed to ensure a safe area for the affected COLT network**

**Colt company policy negates any potentially detrimental effect on the network as well as protecting us from any potential costs and damages.**

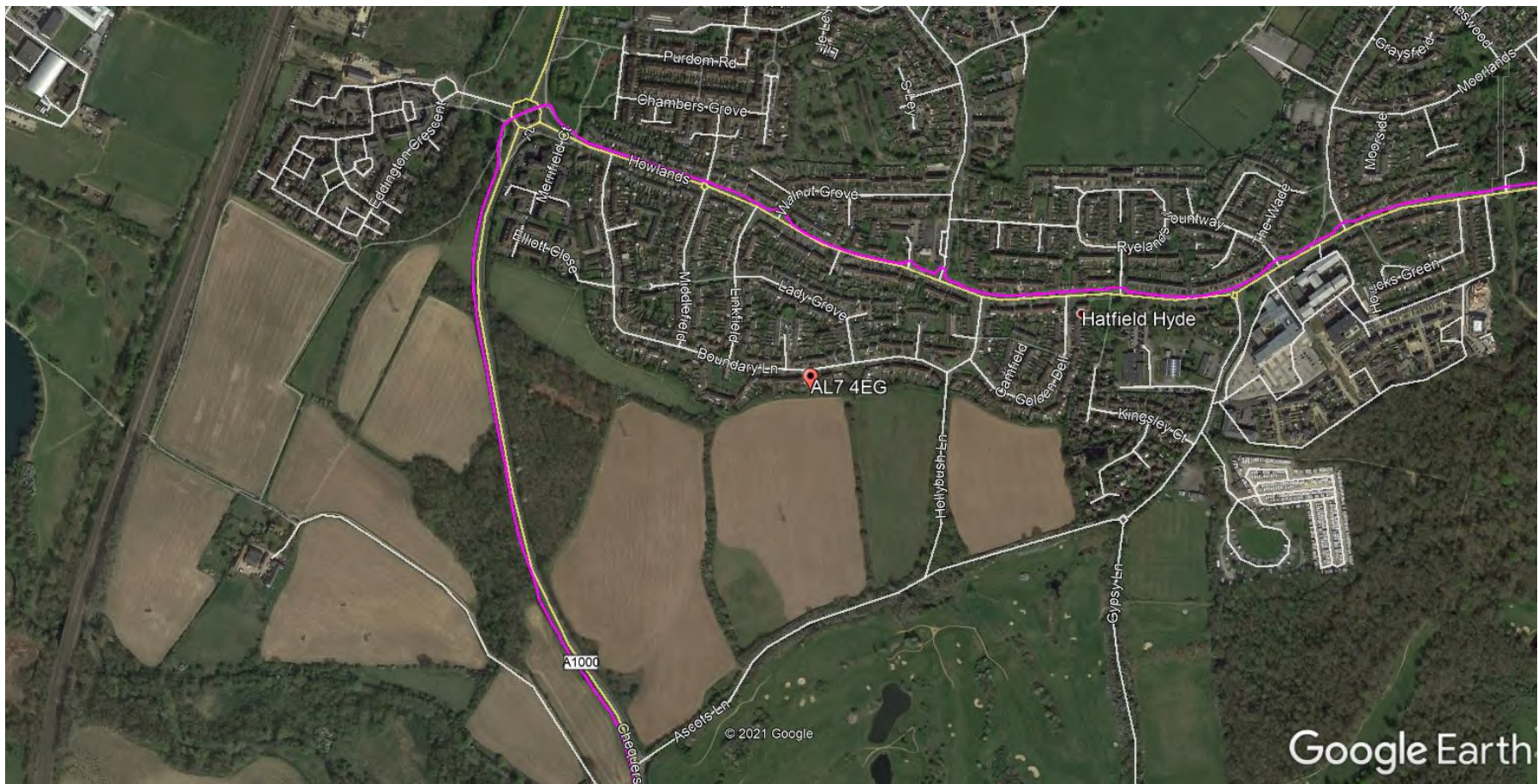
**Please note as COLT moves to C3 status we will require an estimated start date for the project to allow for COLT policy lead-time's**

Please email with your official C3 Request.

We would remind you that mechanical excavators or borers should never be used within 1500mm of any COLT Technology Service apparatus.

If we can be of any further assistance, please do not hesitate to contact us.

Yours sincerely,  
Plant Enquiry Team



**CONFIDENTIAL**

PREPARED BY C.A. TELECOM UK LTD

DATE: 2nd July 2021

Our Ref: P028598

**UTILITY UNDERTAKER**

**colt**

Colt Technology Services  
Beaufort House,  
15 St Botolph Street,  
London, EC3A 7QN

www.colt.net

**PLANT ENQUIRY AGENT FOR Colt**

**C.A. TELECOM UK LIMITED**

C.A. TELECOM UK LTD  
Dockers Field Farm  
Pean Hill  
Whitstable  
Kent CT5 3BJ

CONTACT Tel: 01227 768427  
Fax: 01227 458884  
email: plantenquiries@catelecomuk.com

**MAP IMAGE PERMISSIONS**

Centara supplied map  
Promap

NOMINAL DEPTH  
OF COVER  
250mm F/W  
550mm C/W

**COLT NETWORK LEGEND**

Colt  
Infrastructure  
Network

**NRSWA 1991 Diversionary Works**

SCHEME & PRELIMINARY INQUIRIES C2  
Colt Technology Services External  
Infrastructure general location indicated  
only for purposes of initial plant enquiry,  
detailed network location will be presented  
via Scheme Identification Study process. All  
reasonable effort has been made to capture  
network however image may not reflect  
unprocessed new build track.

**OVERSEEING ORGANISATION AGENT REFERENCE**

O.O Agent – Cornerstone projects  
Contact – Matthew Nolan  
Title – Creswick, east of A1000, South  
of Boundary Lane  
Scheme Ref – 70084491

## Searches - Cornerstone Projects Ltd

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**From:** online.plantenquiries@cityfibre.com  
**Sent:** 17 June 2021 15:56  
**To:** searches@cornerstoneprojects.co.uk  
**Subject:** CityFibre Plant Enquiry, issued on 6/17/21 2:55 PM. Reference b02ac2e2-d3b7-466e-9309-a8db5cbbd8c0.  
**Attachments:** emap.pdf

You recently requested information pertaining to the above location and in relation to CityFibre Holdings Ltd plant.

Reference b02ac2e2-d3b7-466e-9309-a8db5cbbd8c0

User: User

Title: 70084491

Comment:

Please find attached a plan of the area of your interest that may contain plant which may be affected by your proposed works.

The validity of this response is 6 weeks, after such time a new enquiry would need to be made.

Please see the points of contact below if they are required:

Plant Enquiries  
Rutherford House  
Birchwood Park  
Warrington  
WA3 6ZH  
asset.team@cityfibre.com

Please quote the Reference ID in the subject line in any correspondence.

Please be aware that all information included in this eMap is the property of the sender and subject to copyright. It is illegal to copy or send this information to any third party without the permission of the sender.

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Plant Enquiries [CityFibre]

0203 5100 602

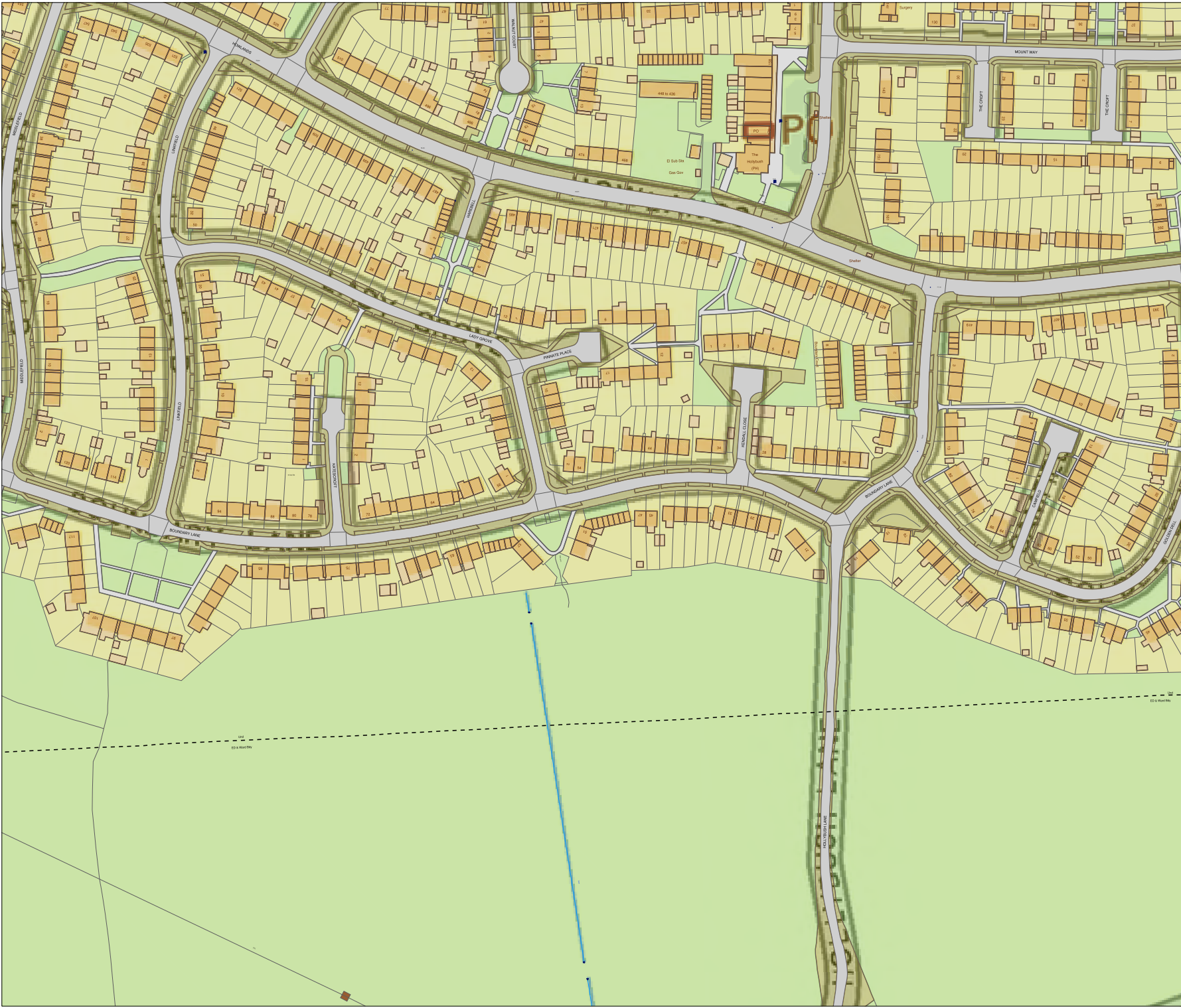
Our Full Fibre network is expanding fast. Check if you can get connected, and register for updates at [cityfibre.com](https://www.cityfibre.com/?utm_source=Staff%20Email%20Signature&utm_medium=Email&utm_campaign=Cityfibreemail)<[https://www.cityfibre.com/?utm\\_source=Staff%20Email%20Signature&utm\\_medium=Email&utm\\_campaign=Cityfibreemail](https://www.cityfibre.com/?utm_source=Staff%20Email%20Signature&utm_medium=Email&utm_campaign=Cityfibreemail)>

[CityFibre]<<https://www.cityfibre.com>>

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<<https://www.linkedin.com/company/cityfibre>> [Follow CityFibre on Twitter] <<https://www.twitter.com/CityFibre>>

Disclaimer:





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# LEGEND

- EXISTING PLANT
- EXISTING PLANT

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Head Office  
CityFibre Holdings Ltd  
15 Bedford Street,  
London,  
WC2E 9HE  
Tel: 0845 293 0774  
Web: www.cityfibre.com

Asset Office  
CityFibre Holdings Ltd,  
Rutherford House,  
Birchwood,  
Warrington,  
WA3 6ZH  
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: 17/06/2021

Drawing No.  
CFH\_EP\_000001  
Revision  
001





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# LEGEND

- EXISTING PLANT
- EXISTING PLANT

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

Tel: 0845 293 0774  
Web: [www.cityfibre.com](http://www.cityfibre.com)

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

Email: [asset.team@cityfibre.com](mailto: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: 17/06/2021

Drawing No.

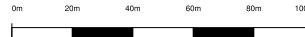
CFH\_EP\_000001

Revision

001

Scale: 1:2500

A4





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# LEGEND

- EXISTING PLANT
- EXISTING PLANT

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Head Office CityFibre Holdings Ltd 15 Bedford Street, London, WC2E 9HE  Tel: 0845 293 0774 Web: www.cityfibre.com	Asset Office CityFibre Holdings Ltd, Rutherford House, Birchwood, Warrington, WA3 6ZH  Email: asset.team@cityfibre.com
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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.

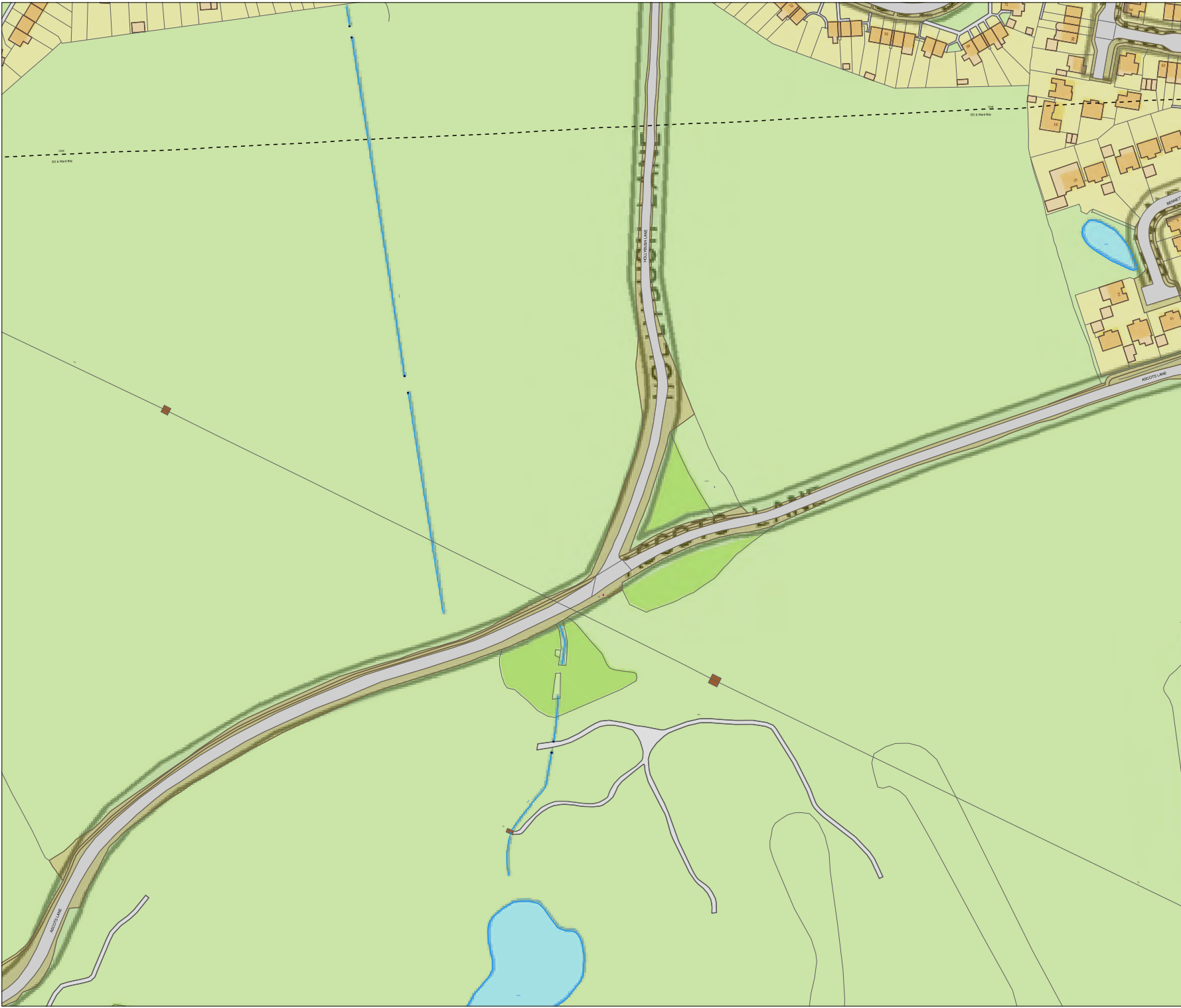
Project  
Plant Enquiry

Drawing  
Existing Plant

Drawn by:  
smallworld  
Date: 17/06/2021



Drawing No.	Revision
CFH_EP_000001	001

Scale: 1:2500  
0m 20m 40m 60m 80m 100m  
A4  
N



bitmap\_layout select\_raster

# LEGEND

-  EXISTING PLANT
-  EXISTING PLANT

bitmap\_layout select\_raster

Head Office CityFibre Holdings Ltd 15 Bedford Street, London, WC2E 9HE  Tel: 0845 293 0774 Web: www.cityfibre.com	Asset Office CityFibre Holdings Ltd, Rutherford House, Birchwood, Warrington, WA3 6ZH  Email: asset.team@cityfibre.com
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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: 17/06/2021

Drawing No.	Revision
CFH_EP_000001	001



## Searches - Cornerstone Projects Ltd

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**From:** Plantenquiries <Plantenquiries@instalcom.co.uk>  
**Sent:** 18 June 2021 11:14  
**To:** 'Searches - Cornerstone Projects Ltd'  
**Subject:** E06-21-4617 RE: Plant Enquiries - Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790

Dear Sir or Madam,

Thank you for your plant enquiry below.

We can confirm that Lumen Technologies (formerly CenturyLink Communications UK Limited, Level 3, Global Crossing (Uk) Ltd, Global Crossing PEC, Fibernet UK Ltd and Fibrspan Ltd) do not have any apparatus within the indicated works area.

Instalcom responds to plant enquiries for all of the above and therefore you only need send one plant enquiry to cover all of these companies.

**Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.**

Regards

Plant Enquiries Dept  
Instalcom Limited  
Borehamwood Ind. Park  
Rowley Lane  
Borehamwood  
WD6 5PZ

Office: +44 (0)208 731 4613  
Fax: +44 (0)208 731 4601  
Email: [plantenquiries@instalcom.co.uk](mailto:plantenquiries@instalcom.co.uk)  
Web: <http://www.instalcom.co.uk>



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**From:** Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>  
**Sent:** 17 June 2021 15:43  
**To:** Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>  
**Subject:** Plant Enquiries - Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790

## Searches - Cornerstone Projects Ltd

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**From:** UK OSP-Team <osp-team@uk.verizon.com>  
**Sent:** 18 June 2021 11:51  
**To:** Searches - Cornerstone Projects Ltd  
**Cc:** UK OSP-Team  
**Subject:** RE: [E] Plant Enquiries - Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790

Dear Sir/Madam

Verizon is a licensed Statutory Undertaker.

We have reviewed your plans and have determined that Verizon (Formally known as MCI WorldCom, MFS) has no apparatus in the areas concerned.

If you have any further queries please do not hesitate to get in touch.

Yours faithfully

Plant Protection Officer E.mail osp-team@uk.verizon.com

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**From:** Searches - Cornerstone Projects Ltd [mailto:searches@cornerstoneprojects.co.uk]  
**Sent:** 17 June, 2021 3:43 PM  
**To:** Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>  
**Subject:** [E] Plant Enquiries - Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790

Dear Sir/Madam,

Re: - Underground Apparatus / Plant

Site Ref. 70084491 Land at Creswick - Creswick, east of A1000, South of Boundary Lane - NGR E524332 N210790

In order that all reasonable precautions may be taken to avoid risk to health and safety through contact with any of your existing apparatus during execution of works at the above site location, please provide plan(s) indicating the general position and nature of your apparatus in the locality. In addition, please highlight any likely special problems that could arise in connection with your apparatus as a result of the works and any limitations on the quality of the information provided.

The proposed site area is centered accurately on the OS grid reference above and will be no more than 200m x 200m, unless noted otherwise in which case the site boundaries will be as marked on the attached plan. If you have no apparatus in the area of the proposed works, please send a nil return.

Your earliest response would be greatly appreciated.

Thanks,

**Matthew Nolan**  
Projects Manager  
**Cornerstone Projects Ltd**  
91 Market Street, Hoylake, Wirral CH47 5AA  
[www.cornerstoneprojects.co.uk](http://www.cornerstoneprojects.co.uk)



**Mr Duncan Phillips**  
**Cornerstone Projects**  
**91 Market Street**  
**Hoylake Merseyside**  
**CH47 5AA**

**Zayo Plant Protection Centre**  
c/o JSM Group Ltd  
Plant Protection Department  
Sterling House  
Mutton Lane  
Potters Bar  
Herts, EN6 3AR

**Date: 17/06/2021**

**Your Reference: 70084491**

**Our Reference: 22435605**

**Dear Mr Duncan Phillips,**

#### **ZAYO GROUP LTD UK AFFECTED C2 PRELIMINARY PLANT ENQUIRY**

**We acknowledge with thanks your request dated 17/06/2021 02:35:43 PM for information on the location of our assets.**

We confirm we have reviewed your proposed plan and have enclosed maps of the area in which Zayo Group UK Ltd have apparatus.

Please note these maps indicate approximate location only and their accuracy cannot be guaranteed. To determine the exact location a trial hole must be dug using extreme caution and hand dig methods only. Please refer to the attached document "Guide to Excavation within the vicinity of Zayo Apparatus".

Please forward all C3 and C4 Diversionary Estimate requests for diversionary works under the New Roads and Street Works Act 1991 "Measures necessary where apparatus is affected by Major Works (Diversionary Works), A Code of Practice", to [zayodiversions@jsmgroup.com](mailto:zayodiversions@jsmgroup.com).

Please do not hesitate to contact us for further assistance.

Yours faithfully,

Zayo Group UK Ltd c/o JSM Group Ltd  
JSM Plant Protection Department  
T: 01992 655 919  
[zayoplantenquiries@jsmgroup.com](mailto:zayoplantenquiries@jsmgroup.com)








Date Requested: 17/06/2021

Requested by: Duncan Phillips

Company: Cornerstone Projects

Job Reference: 22435605

Your Scheme/Reference: 70084491

 ZAYO DUCT  
 or  ZAYO CHAMBER  
 Dig Sites: Line  Area   
 Scale on A4 paper: 1:1000

**zayo**  
GROUP

4th Floor Harmsworth House  
13-15 Bouverie Street  
London EC4Y 8DP

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JSM Group Ltd  
Sterling House  
Mutton Lane, Potters Bar  
Hertfordshire, EN6 3AR  
T: 01992 788 019  
[zayoplantenquiries@jsmgroup.com](mailto:zayoplantenquiries@jsmgroup.com)



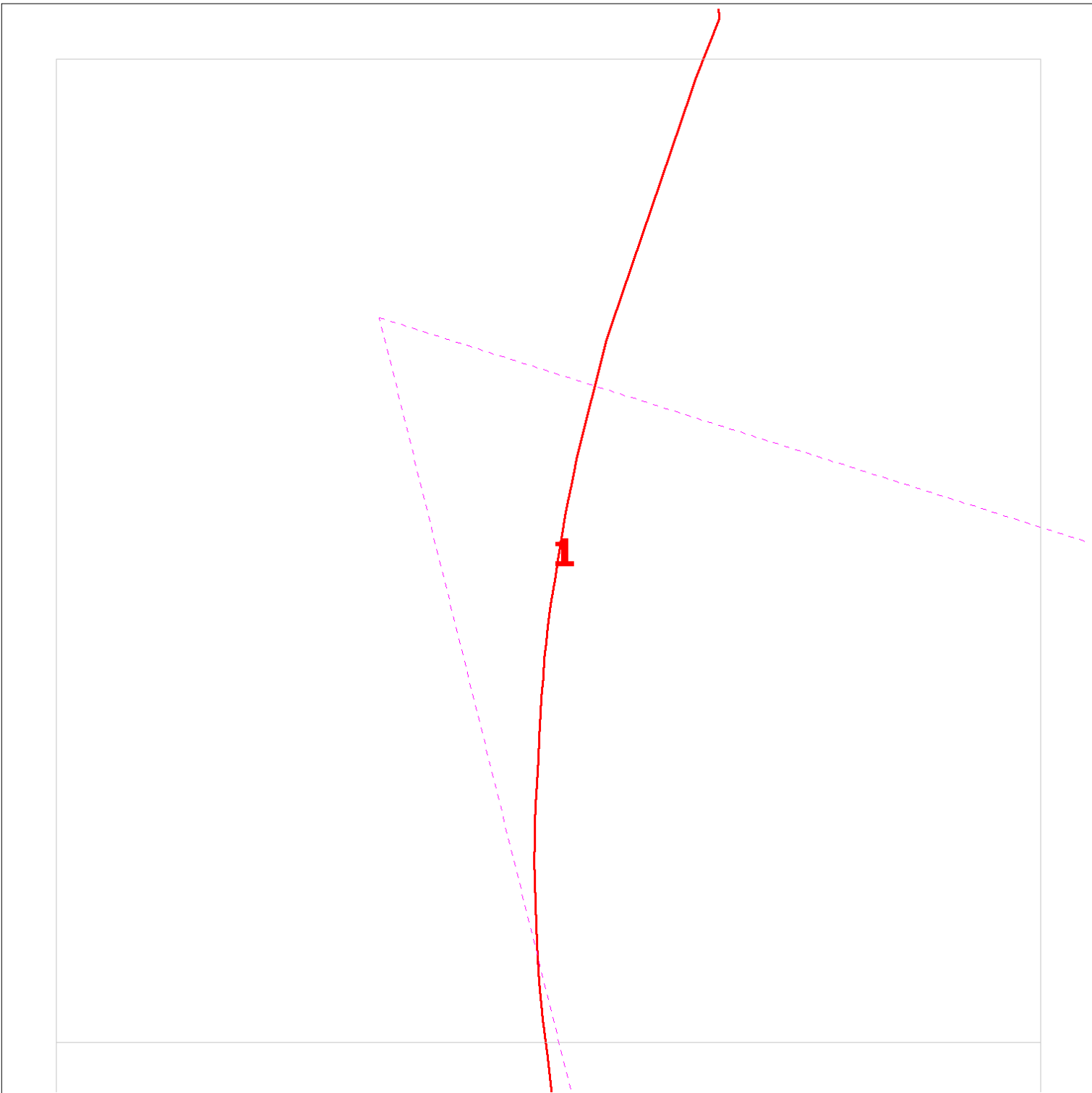
Protecting Lives, Cables & Pipes

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In Emergency Only and if Zayo Plant or Cables damaged call: 0800 169 1646

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Date Requested: 17/06/2021  
Requested by: Duncan Phillips  
Company: Cornerstone Projects  
Job Reference: 22435605  
Your Scheme/Reference: 70084491

or

Dig Sites:

Line

Area

ZAYO DUCT

ZAYO CHAMBER

Scale on A4 paper: 1:1000

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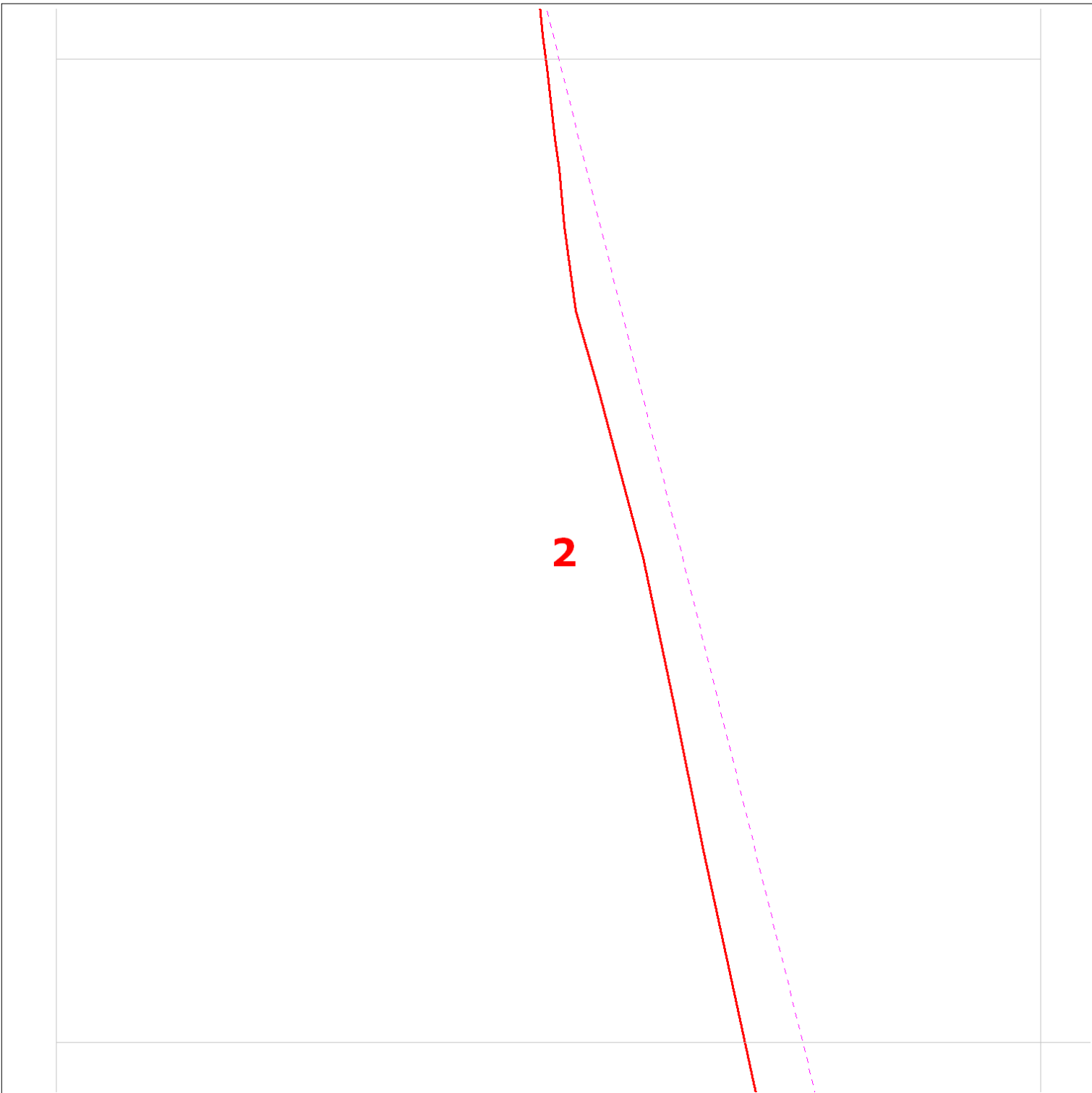


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3

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■ or ▣ ZAYO CHAMBER  
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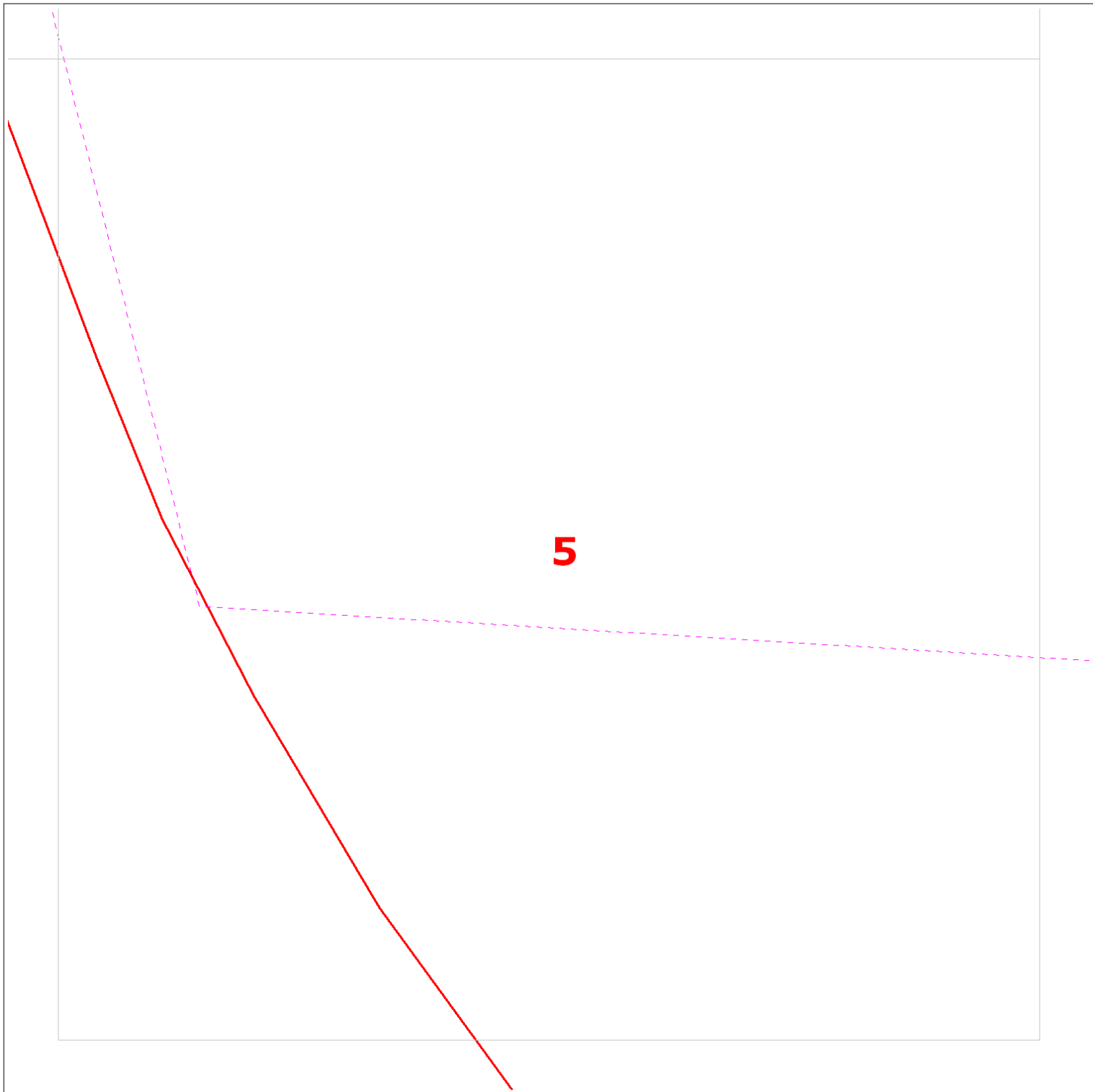
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## **GUIDE TO CONTRACTORS UNDERTAKING EXCAVATIONS IN THE VICINITY OF ZAYO PLANT**

1. Prior to commencing any work or moving heavy plant or equipment over any portion of the site, the Contractor shall confirm details of the location of the Zayo apparatus by contacting and requesting utility drawings from LinesearchbeforeUdig

All Enquirers should register free of charge for the Zayo plant enquiry service at LinesearchbeforeUdig <http://www.linesearchbeforeudig.co.uk/>

Or follow the direct link to register at <http://onecall.linesearchbeforeudig.co.uk/RegisterNewUser> and start your search there.

If you have any queries or wish to speak to a member of the JSM Plant Protection Team please call 01992 655 919.

**The accuracy of information on the plans cannot be guaranteed and no liability can be accepted for errors or omissions.**

2. Where the utility drawings show that the works or the movement of plant or equipment may endanger the Zayo Apparatus the Contractor must mark out the location of the Zayo Apparatus and ensure the apparatus is adequately protected from damage.
3. The contractor should note that damage to Zayo's Fibre-optic network is extremely disruptive and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Zayo's apparatus for the completion of the work.
4. When excavating, moving or backfilling around Zayo's apparatus The Contractor should note that the normal depth of cover for Zayo ducts are as follows:
  - Carriageway 600mm
  - Footway 350mm
  - Verge 350mm
5. With regard to excavation in the vicinity of Zayo's apparatus the Contractor should be aware of the possibility of reduced cover and the possibility of encountering Zayo apparatus at depths of cover less than that given above.
6. All excavation adjacent to Zayo apparatus is to be carried out by hand until the exact extent and/or location of the Zayo apparatus is known. Use spades and shovels in preference to other tools.

7. Do NOT use Mechanical borers and/or excavators within 0.5m of Zayo Apparatus.
8. To prevent any movement of Zayo apparatus during excavations, complete shuttering shall be used if:
  - The excavation is deeper than the depth of cover of the adjacent Zayo apparatus.
  - The excavation is within 1.0m of Zayo apparatus in stable ground.
  - The excavation is within 5.0m of Zayo apparatus in unstable ground.
9. If for the completion of the works the Contractor intends using any of the following:
  - Pile driving equipment within 10.0m of Company Apparatus.
  - Explosives within 20.0m of Company Apparatus.

Then the Contractor shall advise the Zayo Plant Protection Centre giving a minimum 10 working days written notice.


10. All Zayo manhole, joint box and /or other access points and chambers within the site shall be kept clear and unobstructed at all times to allow access by Zayo and /or their Contractor to carryout maintenance on the network. The Contractor should particularly note that footway type jointing chambers are not specified for carriageway loadings and will need to be adequately protected and/or demolished and rebuilt by Zayo where such chambers are likely to be placed at risk, either temporarily or permanently, from the movement of plant and/or equipment on the site.
11. The covers to Zayo chambers and/or apparatus shall only be lifted by means of appropriate manhole keys under the direct supervision of a Zayo Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any Zayo chamber and/or apparatus unless under the supervision of a Zayo Representative.
12. In the event of any damage whatsoever to Zayo apparatus, the Contractor shall immediately report the incidence to Zayo by contacting Zayo as follows:

**Telephone: 0800 169 1646 (Zayo 24Hr Network Operations Centre)**

**Damage to Communications Plant is Expensive – Please Take Care**

Please note these basic safety details are explained in detail in the HSE booklet HS(G)47 – Avoiding Danger from Underground Services.

# QUALITY CHECK

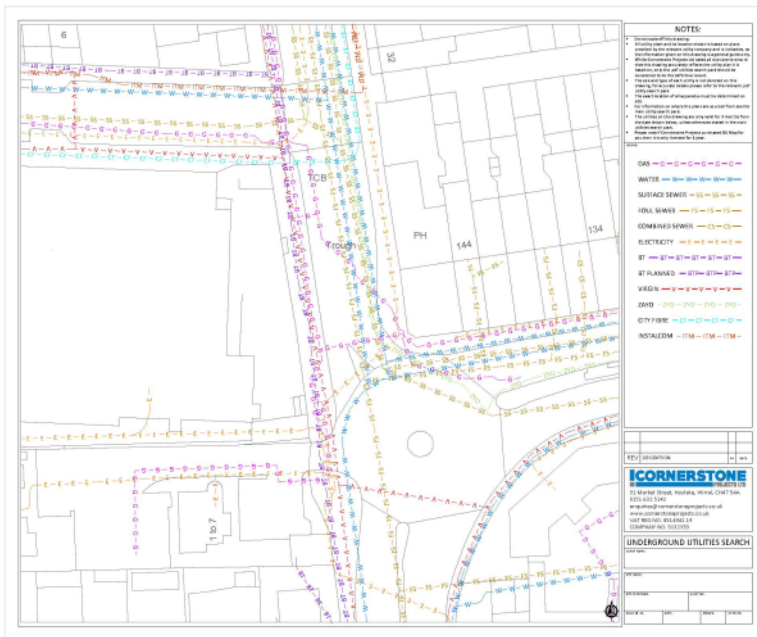
<b>Checked and issued by:</b>	
<b>Name:</b>	N Jones
<b>Date:</b>	
<b>Plans are valid until:</b>	
Unless noted otherwise plans are valid for three months from date of issue - please note the date shown above is approximate. After the above date please contact us to arrange a refreshed utility search pack at <a href="http://www.cornerstoneprojects.co.uk">www.cornerstoneprojects.co.uk</a> Please refer to <a href="http://www.cornerstoneprojects.co.uk/terms.html">www.cornerstoneprojects.co.uk/terms.html</a> for full Terms and Conditions.	

## Cornerstone Projects Ltd is a UK wide desktop underground utility search expert:

- Market leading pricing and response times
  - Comprehensive utility database
    - 15 Years plus experience
  - Over 50,000 completed searches
  - Over 2750 registered businesses
- Searches to PAS 128 survey level D
  - ISO9001 certified company

## Want an easier way to interpret your utility search results?

Searching through your utility results can be time consuming and complex. Here at Cornerstone, we have the ability to produce one consolidated drawing which will allow you to view all your results on a single plan. Moreover, as the utilities are drawn in separate layers, you will also be able to turn different layers on and off to allow you to focus on individual utilities.



We can produce your consolidated drawing in .dwg (CAD) format from £60.00 + VAT.

We can also convert this into a Smart .PDF starting from £70.00 + VAT.

Call us on 0151 632 5142 or email [enquiries@cornerstoneprojects.co.uk](mailto:enquiries@cornerstoneprojects.co.uk) for a quote for this site. Please provide your site name/reference.

## Need help with administering road opening licences, capacity checks or gaining quotes from the utility companies for connecting or diverting services?

**Section 50 /Road Opening Licence** – We will complete the application required to obtain the Section 50 and/or road opening licence on your behalf – our fee is from as little as £150.00+VAT plus Council charges.

**Capacity check** – We will complete an application to determine whether a utility has sufficient capacity for your proposed development and if not, what budget costs would be required to reinforce the network – our fee is from as little as £150.00+VAT per utility plus disbursements.

**New Connections/Disconnections** – We will complete the administration required to obtain quotes from the utilities to connect or disconnect from as little as £150.00+VAT per utility plus disbursements.

**Diversions** – We will complete the application required to obtain costs and suggested diversions required for your intended works from as little as £150.00+VAT per utility plus disbursements.

91 Market Street Hoylake Wirral CH47 5AA  
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