

Groundwise Searches Ltd





Groundwise Searches Ltd

Product	Desktop Utility Search
Scope	PAS 128 – Level D

Groundwise Reference	24096JS
Site	39 Priory Terrace, West Hampstead, London, NW6 4DG
Client	Jordan Billinton
Company	ME7 Ltd



Researcher Report Version

Client Reference

Joe Shawyer jshawyer@groundwise.com #1 - Friday, 31 May 2019 #2 - Tuesday, 18 June 2019 #3 - Monday, 24 June 2019

Groundwise Searches Limited Suite 8, Chichester House 45 Chichester Road Southend on Sea Essex, SS1 2JU

Telephone 01702 615566 Fax 01702 460239 Email mail@groundwise.com Website www.groundwise.com





Groundwise Searches Ltd

Groundwise Reference	24096JS
Site	39 Priory Terrace, West Hampstead, London, NW6 4DG

Click on a Data Supplier to view their response

Туре	Data Supplier	Date Received	Date Sent	Assets in Area
Electricity	Energetics	29/5	31/5	
Electricity	UK Power Networks	31/5	31/5	Х
Electricity	Utility Assets Ltd	31/5	31/5	
Gas	GTC	31/5	31/5	
Gas	Cadent (formerly National Grid Gas)	31/5	31/5	Х
Mobile Phone Masts	Mast Data	31/5	31/5	
Telecom	BskyB Telecommunications Services Ltd	29/5	31/5	
Telecom	ВТ	31/5	31/5	Х
Telecom	C.A. Telecom - Colt	18/6	18/6	
Telecom	CityFibre	31/5	31/5	
Telecom	euNetworks	29/5	31/5	
Telecom	Instalcom Ltd	29/5	31/5	
Telecom	KPN	29/5	31/5	
Telecom	MBNL	31/5	31/5	
Telecom	Trafficmaster	31/5	31/5	
Telecom	Verizon	30/5	31/5	
Telecom	Virgin Media	29/5	31/5	Х
Telecom	Vodafone	30/5	31/5	
Transport	Crossrail	31/5	31/5	
Transport	HS1 / HS2	31/5	31/5	
Transport	London Overground	24/6	24/6	
Transport	London Underground HV Power Assets	18/6	18/6	
Transport	London Underground	31/5	31/5	
Transport	Network Rail	28/5	31/5	
Transport	Transport for London	29/5	31/5	
Tunnels	MOD	24/6	24/6	
Tunnels	Thames Tideway Tunnel	31/5	31/5	
Various	HSE	31/5	31/5	
Various	LinesearchbeforeUdig	31/5	31/5	
Various	SSE	31/5	31/5	
Mains	Thames Water	29/5	31/5	х
Sewers	Thames Water	29/5	31/5	х
District Energy	ENGIE	31/5	31/5	
Various	Camden Council	18/6	18/6	х

Joe Shawyer

From:	Plant Enquiries <plantenquiries@energetics-uk.com></plantenquiries@energetics-uk.com>
Sent:	29 May 2019 09:39
То:	Joe Shawyer
Subject:	RE: *URGENT* 24096JS - 39 Priory Terrace, West Hampstead, London, NW6 4DG

Dear Sir/Madam,

Thank you for submitting your recent plant enquiry.

Based on the information provided, I can confirm that Energetics **does not** have any plant within the area(s) specified in your request.

If you require further assistance with outstanding enquiries, please call 03300 587 443.

Please ensure all plant enquiries are sent to plantenquiries@energetics-uk.com

Regards



Plant Enquiries

a: Fenick House, Lister Way, Hamilton International Technology Park, G

f 🖸 in

From: Joe Shawyer <JShawyer@groundwise.com> Sent: 28 May 2019 16:37

To: Plant Enquiries <plantenquiries@energetics-uk.com>; osm.enquiries@atkinsglobal.com; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; LULHVpowerassets@tfl.gov.uk; plantenquiries@psgservices.co.uk; locationenquiries@tube.tfl.gov.uk; plantenquiries@tfl.gov.uk; plantenquiries@catelecomuk.com; NRSWA@bskyb.com; OPBuriedServicesEnquiries@networkrail.co.uk; plantenguiries@trafficmaster.co.uk; loip@tfl.gov.uk; mbnlplantenguiries@turntown.com; assetrecords@utilityassets.co.uk; david.magee474@mod.gov.uk; kpn.plantenquiries@instalcom.co.uk; LONDONSTREETS@tfl.gov.uk Subject: *URGENT* 24096JS - 39 Priory Terrace, West Hampstead, London, NW6 4DG Importance: High

Ref: 24096JS Site: 39 Priory Terrace, West Hampstead, London, NW6 4DG Easting/Northing: 525681,183962 Requests: URGENT – PLEASE REPLY ASAP

For your reference, we have provided a site plan. Please use both the grid reference/postcode & site plan when responding to our requests.

We are doing research on the above site for a client and would be grateful if you could confirm whether the above operators have any cabling or apparatus in the immediate vicinity. Should there be anything detected in the vicinity plus 50 meters around the site,



Registered Office: Newington House 237 Southwark Bridge Road London SE1 6NP Company: UK Power Networks (Operations) Limited

Registered in England and Wales No: 3870728

Our Ref: 15619118 Your Ref: 24096

Friday, 31 May 2019

Joe Shawyer Suite 8 Chichester House Suite 8 Chichester House 45 Chichester Road Southend on Sea Essex SS1 2JU

Dear Joe Shawyer

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









Registered Office: Newington House 237 Southwark Bridge Road London SE1 6NP

Registered in England and Wales No: 3870728

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



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Registered Office: Newington House 237 Southwark Bridge Road London SE1 6NP

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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.

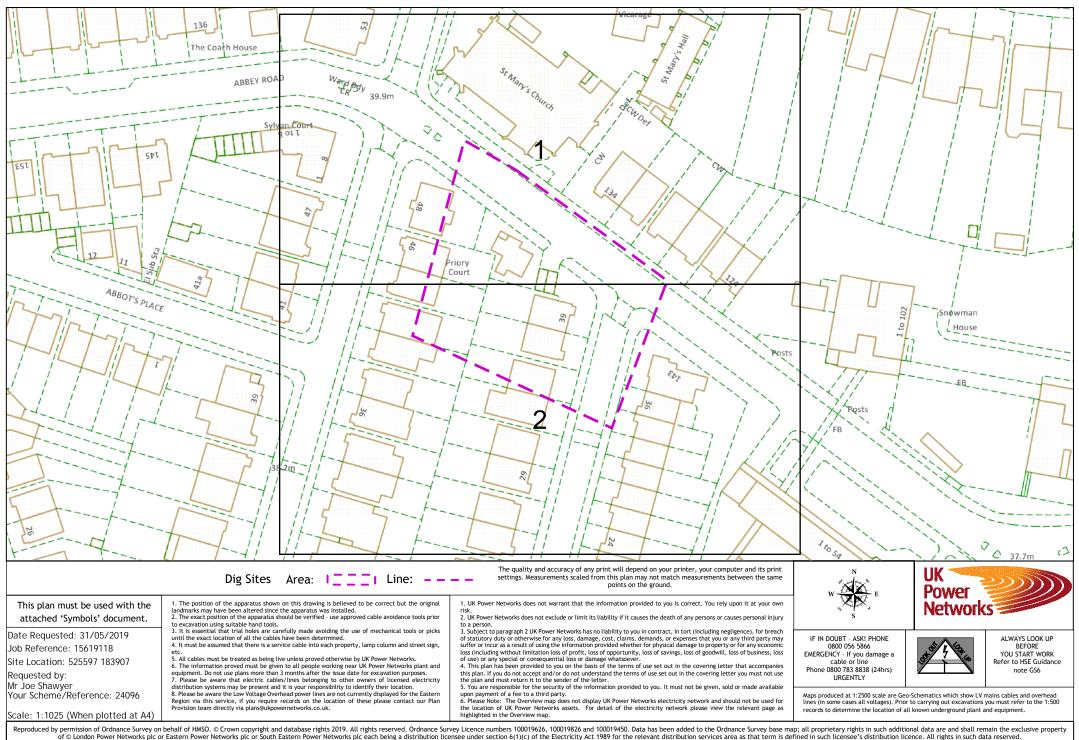
If given a reasonable period of prior notice UK Power Networks will attend on site without charge to advise how and where "goal posts" should be erected. If you wish to use this service, in the first instance please telephone: 0845 6014516 between 08:30 and 17:00 Monday to Friday.

- 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.

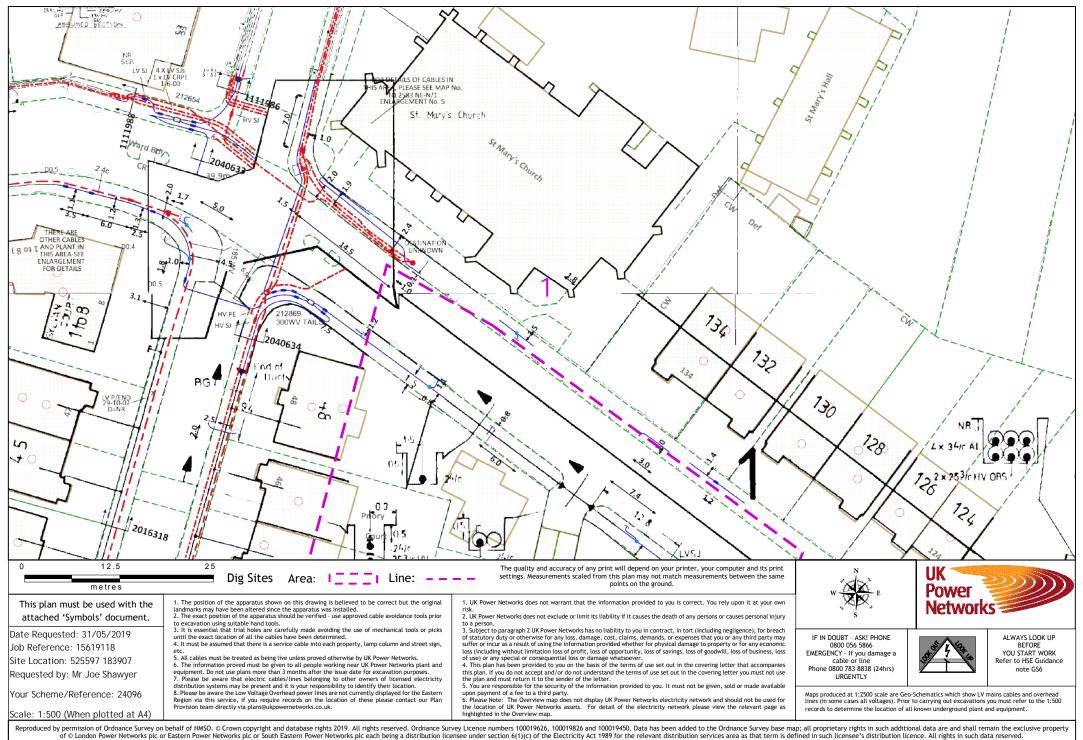




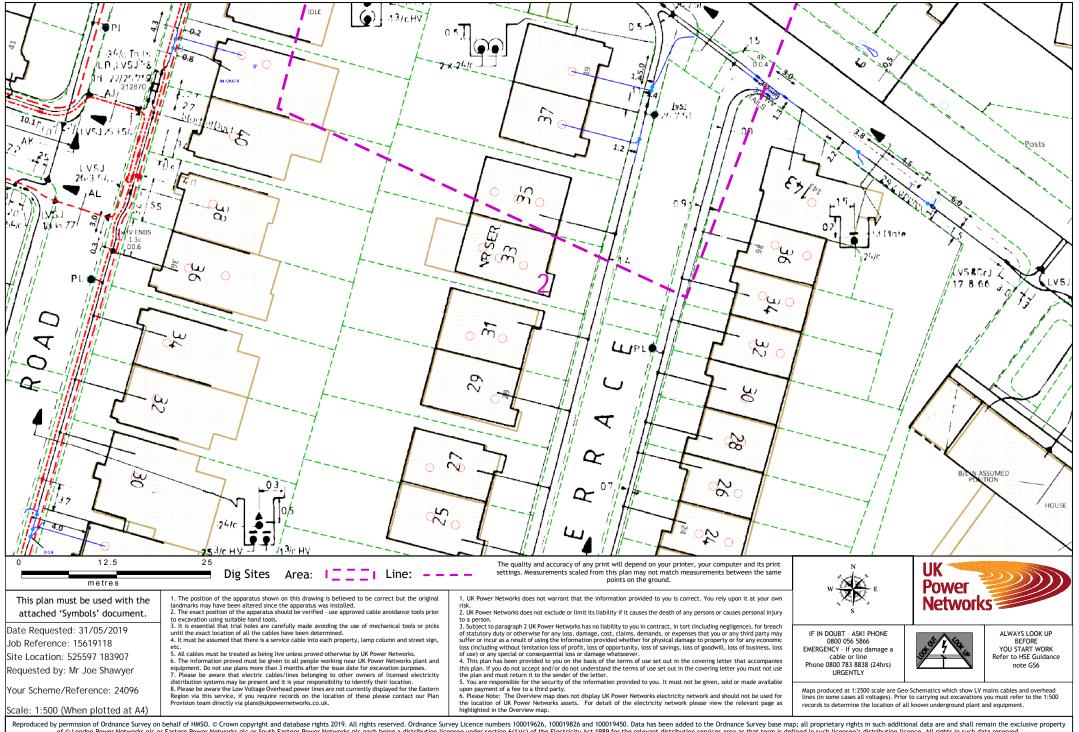




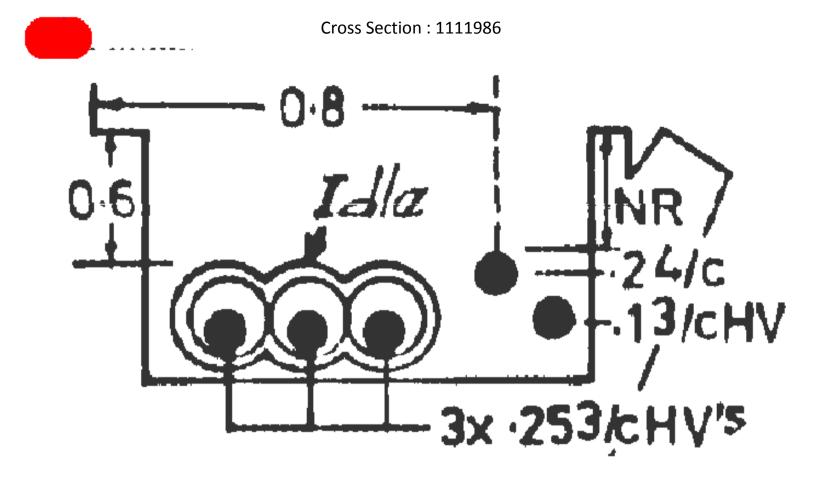
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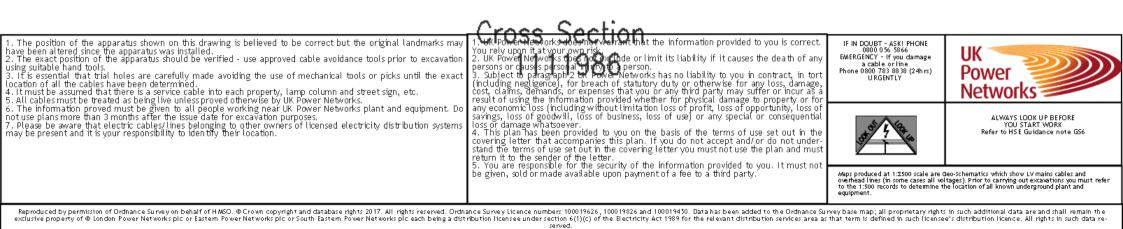


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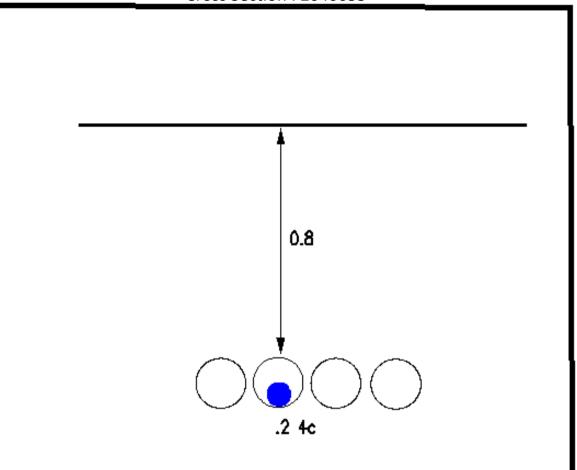
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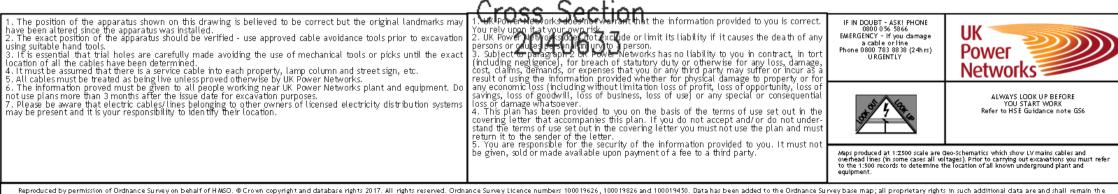




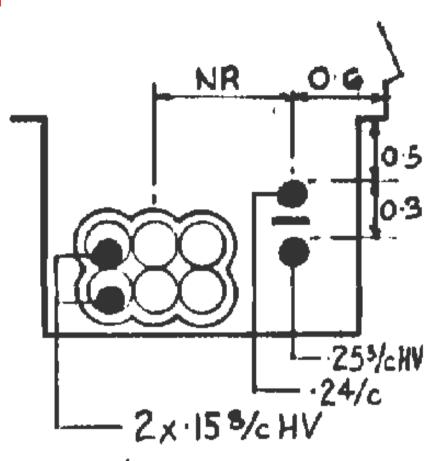
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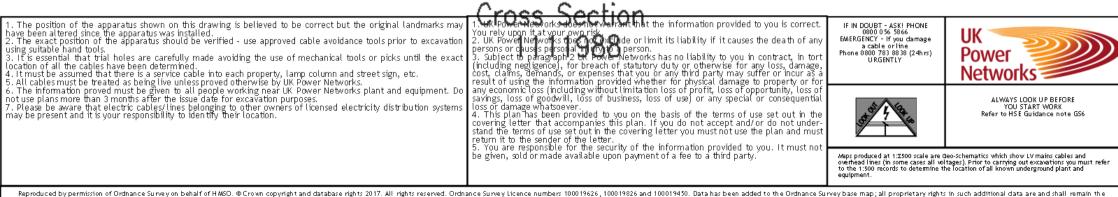






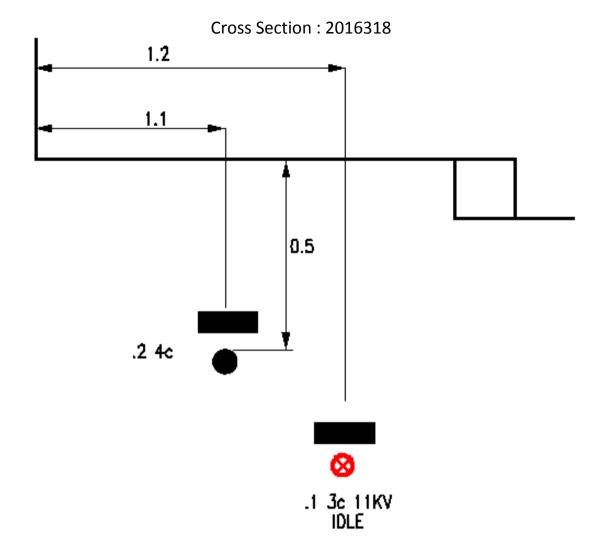
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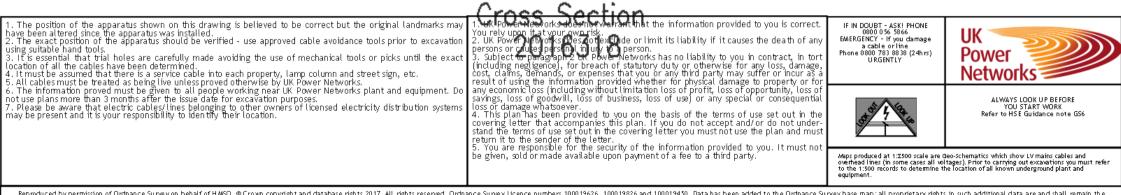




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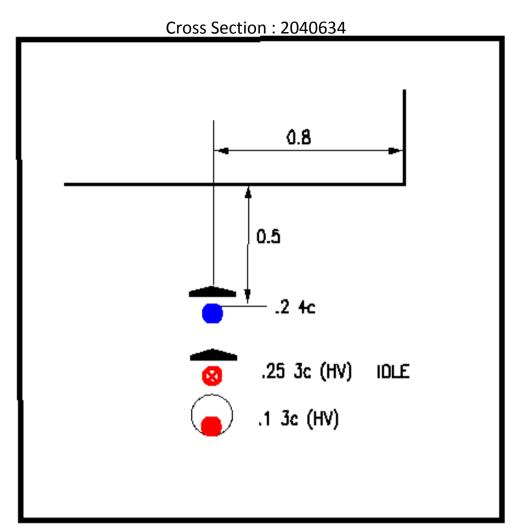
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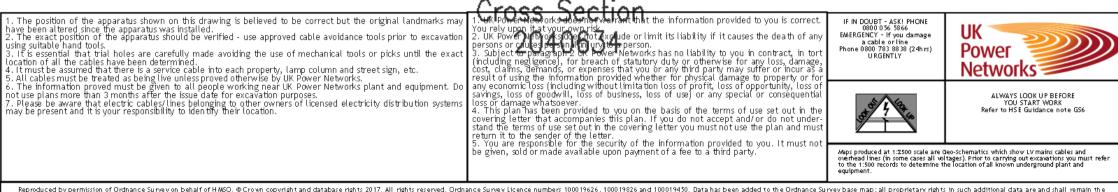




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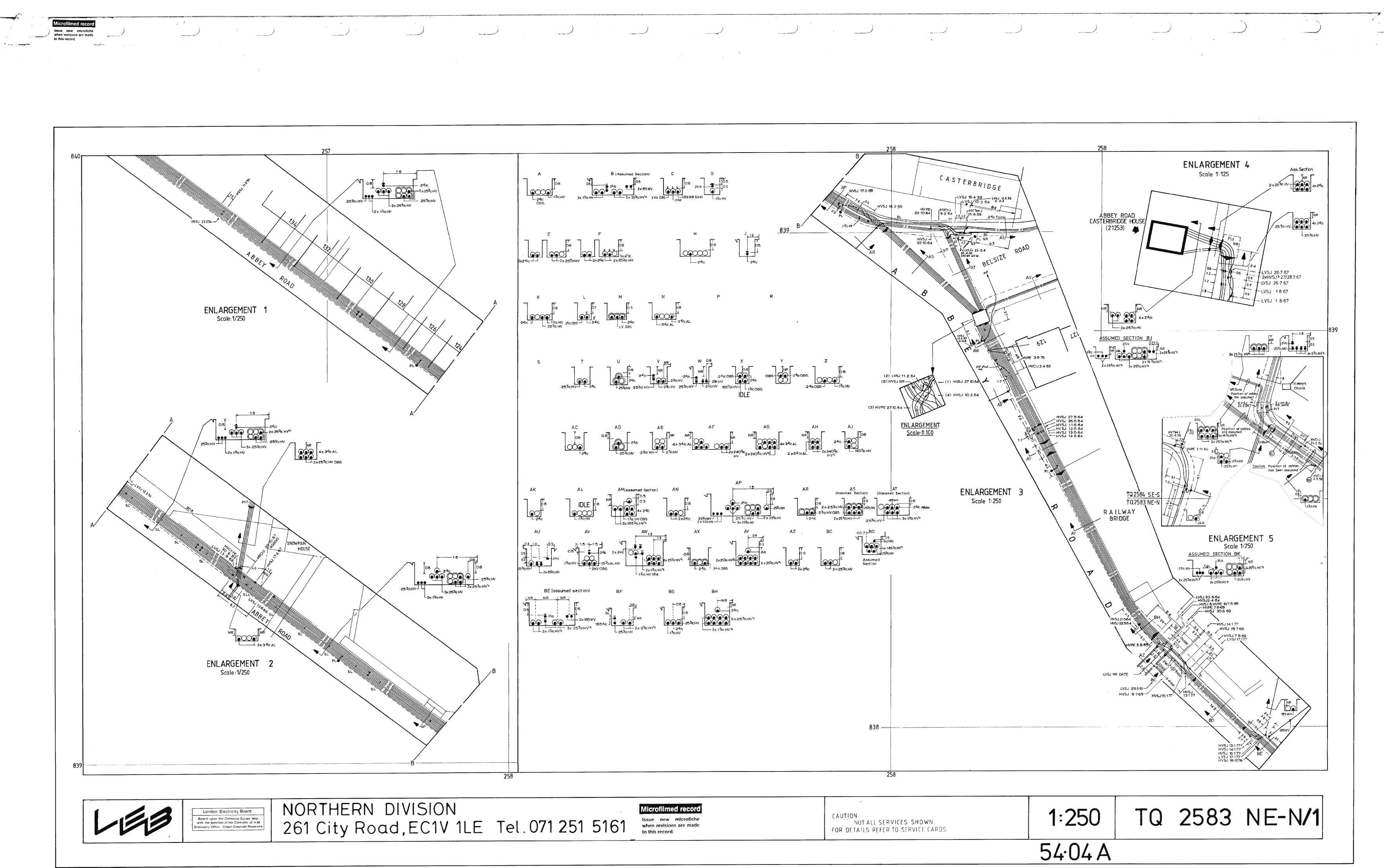
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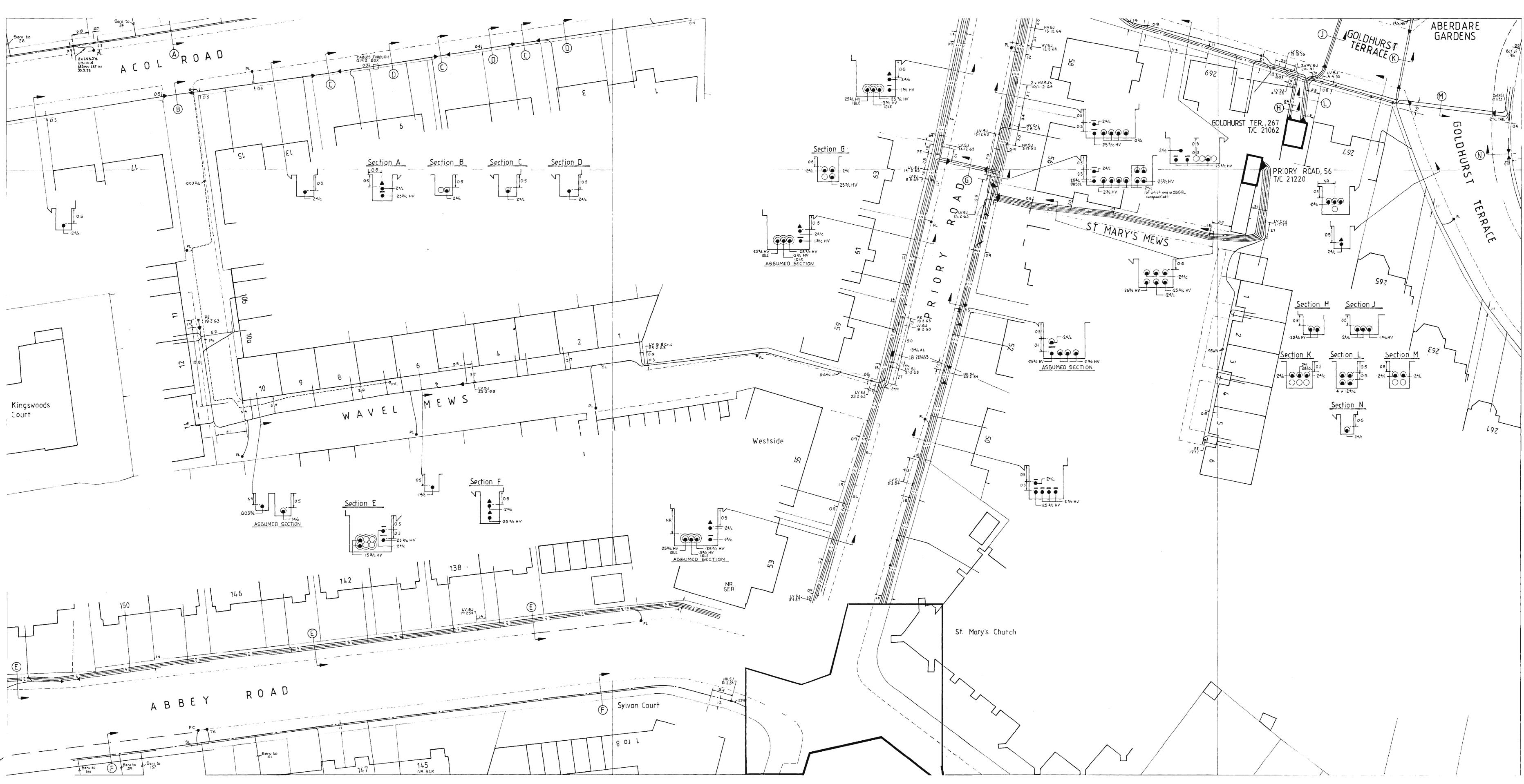
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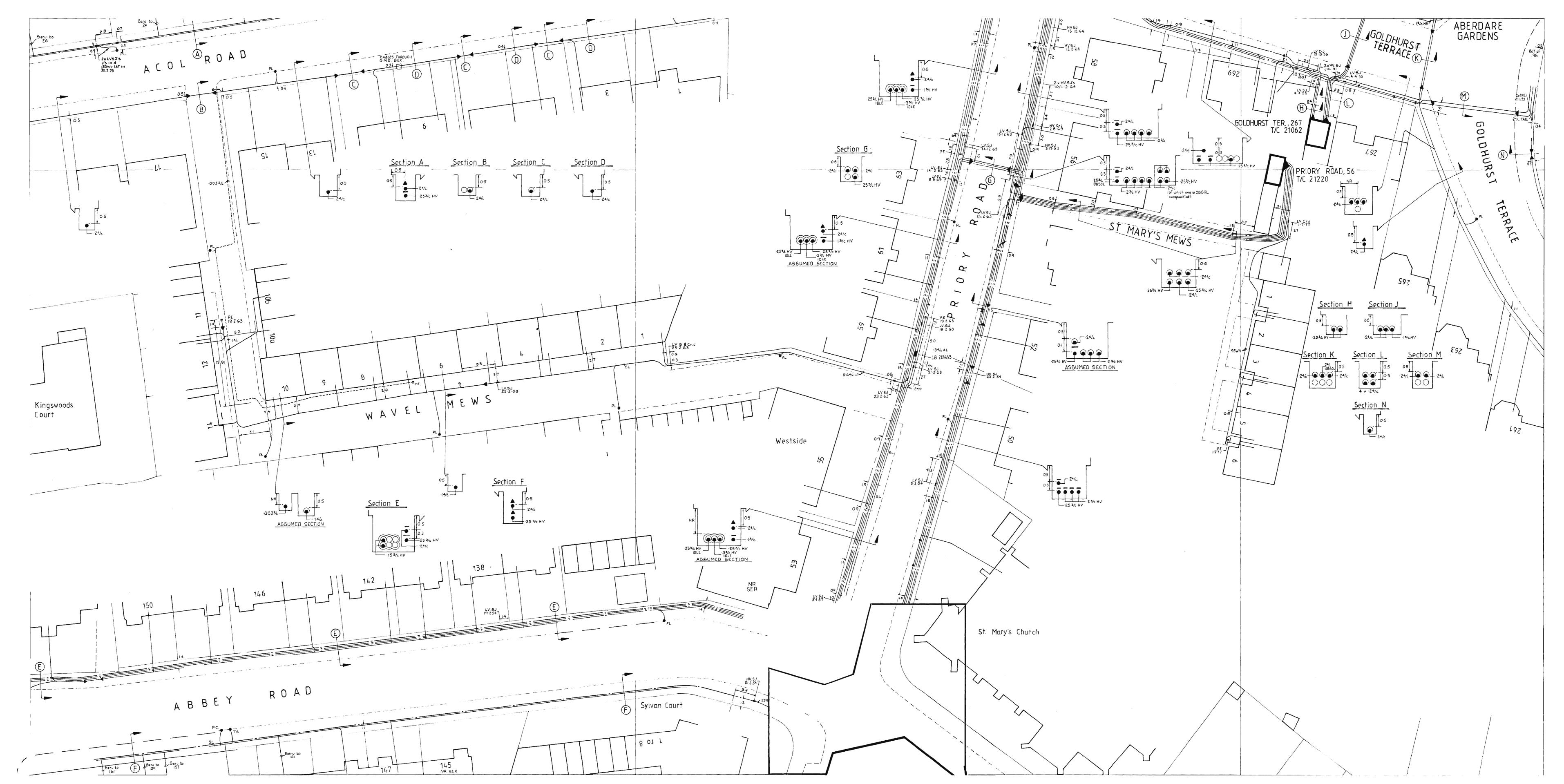
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Network Records NetMAP Symbols Booklet - London

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:

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Guidance notes. 1 2 The area covered by this guide. 3 Scenerv. Scenery (UK Power Networks use only-boxed red) 4 7 Primary distribution cables (EHV). 8 Secondary distribution cables (LV/HV). 9 Cable terminology. 10 Cable size abbreviations. 11 Cable ducts. Other NetMAP symbols. 12 15 Services. 17 Symbols used in cross sections. Abbreviations used in cross sections. 19 20 Typical plan and cross section representations: All areas: NetMAP/vector. All areas: composite raster style 1. Ex-Western area and Holborn: main and wavs. The City of London: single line. Finsbury and Shoreditch: multi-single line style 1. Ex-North Eastern area: HV/LV. Ex-North Eastern area: multi-single line style 2. Ex-North Eastern area: composite raster style 2. Regional NetMAP anomalies - general overview. 23 24 Region 1: ex-Western area. 25 Region 2: ex-Northern area. 27 Region 3: ex-North eastern area. 29 Region 4: ex-South Eastern area. 30 Region 5: ex Southern area.

Guidance notes.

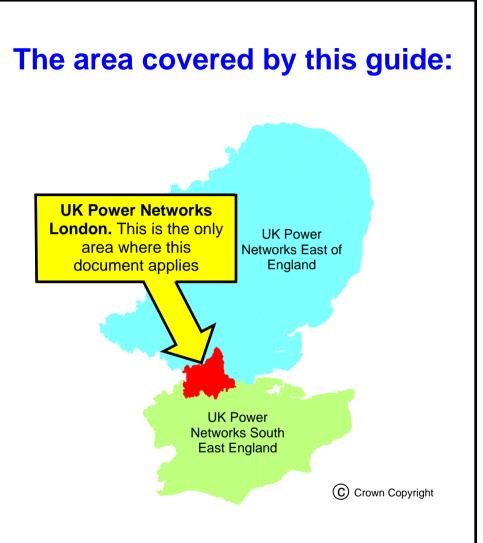
Important notice:

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

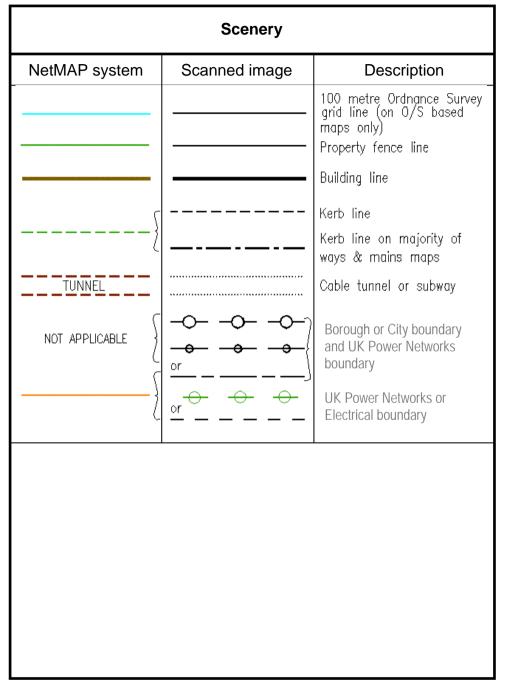
- The position of apparatus shown on NetMAP is believed to be correct, but the original landmarks may have altered since the apparatus was installed.
- It must be assumed that there is at least one service to each property, lamp column, street sign etc. A separate record may be available.
- When excavations are to be carried out near Extra High Voltage (EHV) cables, further details must be obtained before commencement of work.
- Third party cables are not usually shown.
- 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 booklet.
- All LV cables are assumed to be 4 core, and all HV cables assumed to be 3 core unless otherwise stated.
- All Imperial cable sizes are assumed to be copper and all metric cable sizes are assumed to be aluminium unless otherwise stated.



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



Please see the anomalies map at the end of this safety booklet for greater map area detail, and a breakdown of the more significant anomalies within the London area.



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 of UK Power Networks and their immediate contractors)
	Not applicable	High pressure pipelines in the general vicinity (only visible to of UK Power Networks and their immediate contractors)
Note: Pipelines are only viewable on NetMAP by UK Power Networks staff and their immediate contractors. Do not carry out any excavation without consent from the relevant agency - legally protected high pressure petroleum products pipeline route in the general vicinity - consult www.linewatch.co.uk for contacts and guidance. Pipeline contact numbers can also be found on the intranet – out of hours, contact our Control Centre.		
	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 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 UK Power Networks and their immediate contractors)
<pre>sect</pre>	Not applicable	Nature - Site of Special and Scientific Interest (SSSI) (only visible to UK Power Networks and their immediate contractors) ext page

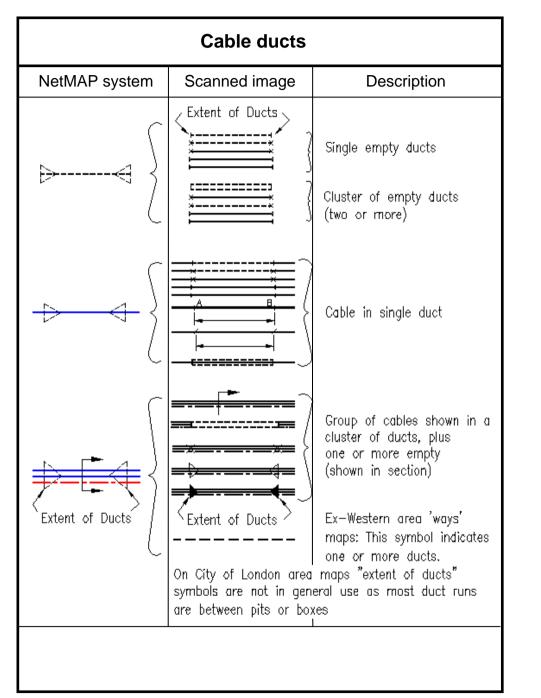
Scenery for UK Power Networks use only - boxed in red		
NetMAP system	Scanned image	Description
	Not applicable	Nature - Local Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Not applicable	Nature - National Nature Reserve (only visible to UK Power Networks and their 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		
NetMAP system	Scanned image	Description
EHY CABLE Solid BHY CABLE Gas BHY CABLE Oil Cable stop Cable stop Shallow	—— BN Coble Route 259 Not applicable —— 5—— 5—— 5—— 5—	UK Power Networks route (11,000 , 22,000 to 132,000 volts) Oil/gas cable stop Part of UK Power Networks cable route where cover is less than normal

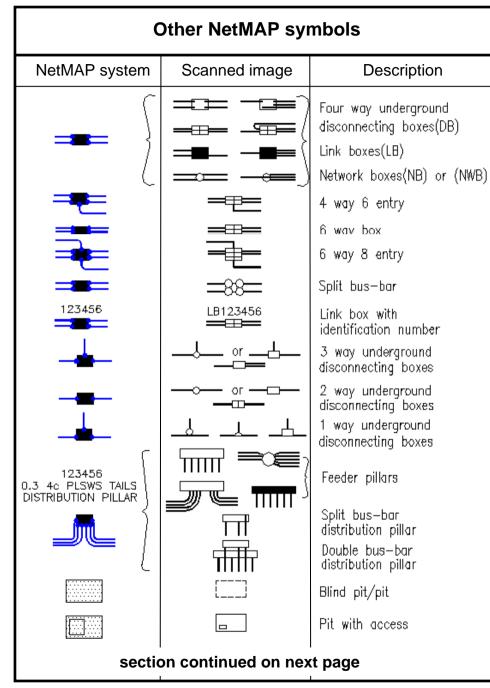
Secondary distribution cables		
NetMAP system	Scanned image	Description
(20kV) (11kV) (6.6kV)	3 (AL) 3/c 	HV cable (up to 20kV) 3 phase LV cable (230V or 400/230V) 1 or 2 phase LV cable (230V or 400/230V) Pilot or Telephone cable, often not shown in plan if running with other cables Fibre-optic cable Earth cable HV or LV cable in duct Duct route(s) not containing live cables

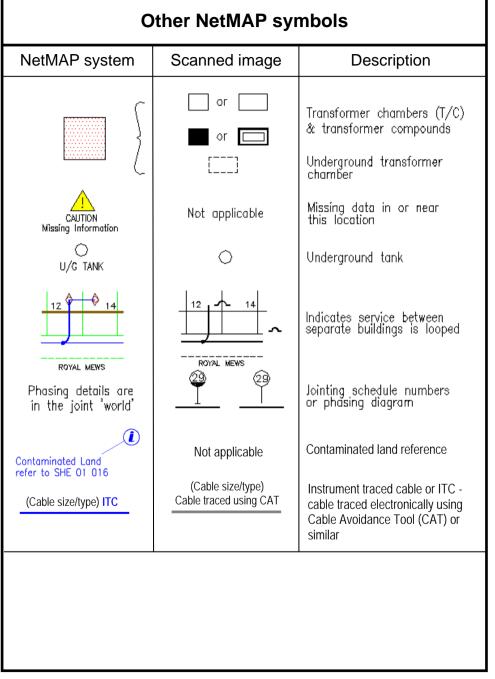
Cable terminology		
NetMAP system	Scanned image	Description
PL PLST or PLSW PLSTS PLSTS PLSWS PLSW PLS PLST or PLSW PLST PLST PLST PLSW AI Cu WV CS PVC EPR XLPE SOL ax cx	PL PLS PLA PLTS PLDT PLWS PLBW LC & H LC & A LC & BA DSTA STA SWA AI Cu WV CS PVC EPR XLPE SOLIDAL TRIPLEX TRIPLEX	Paper Lead Paper Lead Served Paper Lead Armoured Paper Lead Steel Tape Served Paper Lead Steel Wire Served Paper Lead Bright Wire Lead Covered & Hessian Lead Covered & Armoured Lead Covered & Armoured Dauble steel tape armoured Steel Tape Armoured Steel Wire Armoured Aluminium Copper Waveconal Consac Polyvinyl Chloride Ethylene Propylene Rubber Cross Linked Polyethylene Solid Aluminium Triplex (aluminium) Triplex (copper)

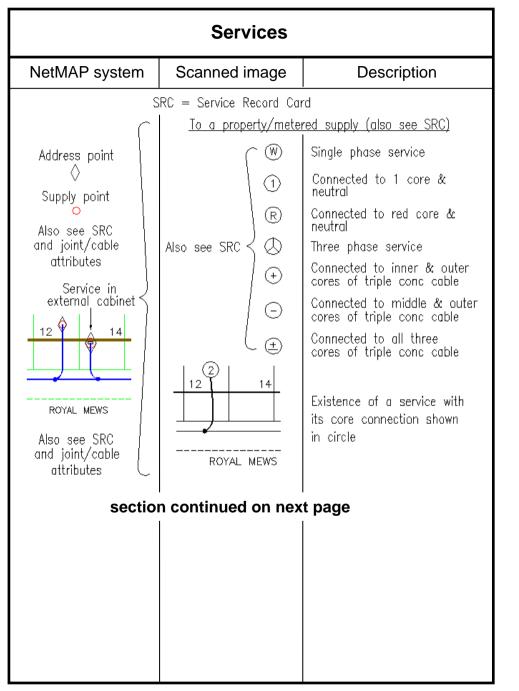
Cable size abbreviations		
NetMAP system	Scanned image	Description
1c c/c t/c 4c 3c CNE	Ус % Геог T/сс % % (см)	Single core. Concentric cores Triple concentric cores Four cores Three cores and concentric neutral — not of the Waveconal type
2c s/c 3c DC P Pr	% (or Tw) % % DC P Pr	Two cores (or twin) Split concentric cores Three cores Direct current Pilot Number of telephone pairs

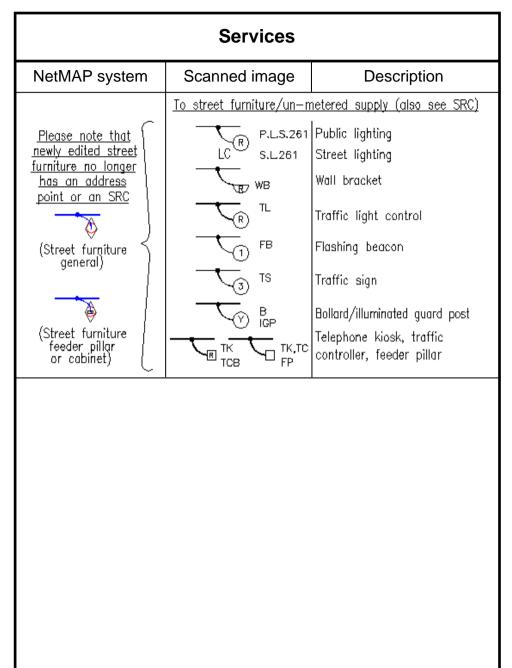


O'	ther NetMAP syn	nbols
NetMAP system	Scanned image	Description
0.3 4c AL PLSWS (Details also in cable attributes and/or section)	3%(59)	Cable size (and year laid)
		Cable capped end
	se PE	Cable pressure (or pot) end or signal end
	─── ₽⁄ ^E ──⋺ E	Pressure/pot end & earth cable/electrode
	+ +- E	Earth rod (vertical) Earth rod (horizontal) Earth plate Earth plate or end
MAIN SERV		Bottle or trouser joint or combined crutch & pressure end - (CPE)
		Straight joints
		Tee joints Crutch (or spur) joints (CJ) straight & crutch joints combined (S&CJ)
UT (Disconnected universal tee)		Double crutch (or spur) joint Sleeve
section	n continued on next	page





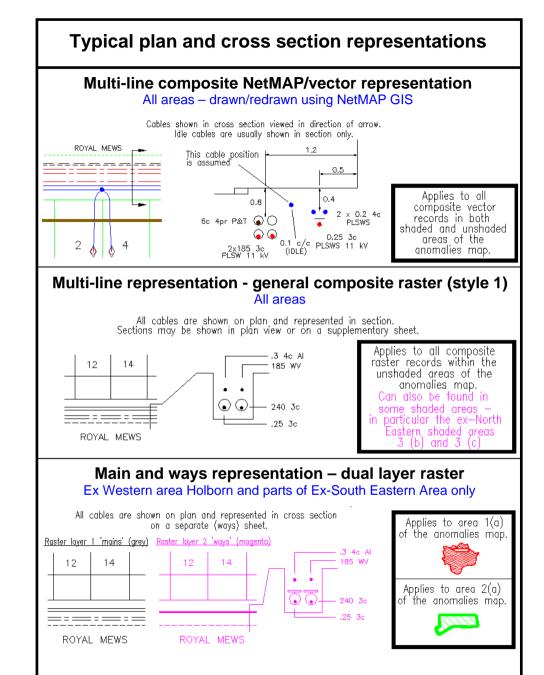


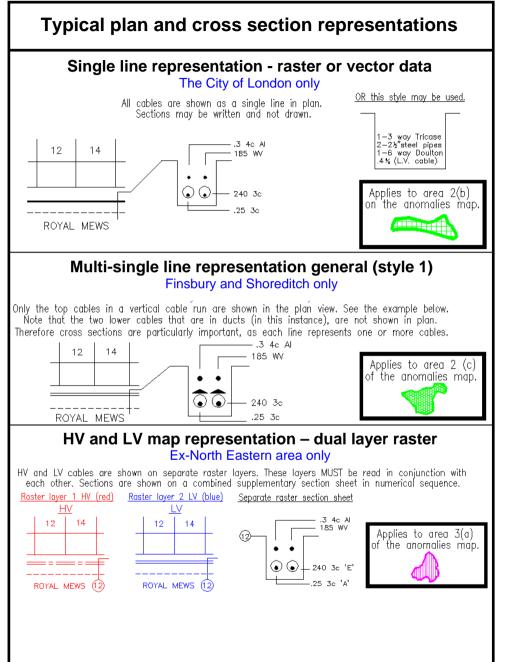


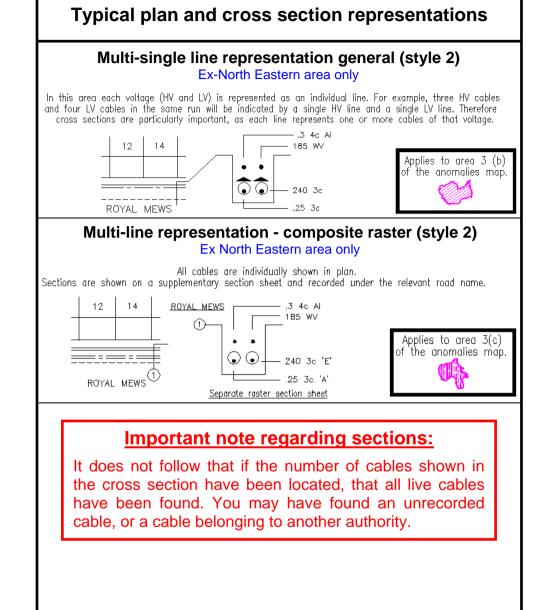
Symb	ols used in cros	s sections
NetMAP system	Scanned image	Description
•	• •	Cable laid direct
۲	۵ ۵	Cable laid in duct
⊗	$\oslash \otimes$	Blocked duct (sometimes used for unidentified cables)
0	$\circ \bigcirc$	Single earthenware duct
◯ 2¥" S	0	Single steel pipe
		Square cable duct
00	88	Group of circular ducts
83	88	Group of circular ducts (Sykes)
		Group of square ducts (Doulton)
C	ᆸᅋ ^ҭ ᄆ᠊ᢦ	Cable trough
	000	Bitumen casing (Crompton)
L	<u> </u>	Bitumen filled iron trough (Trunks)
\otimes	63	Bitumen casing (Tri-case)
sectio	n continued on nex	kt page

Symbols used in cross sections NetMAP system Scanned image Description Protective slab Tiles. \frown Concrete slabs Steel plate Plastic tile tape — т/т Timber Timber 👝 777

NetMAP systemScanned imageDescriptionEWE.W.D(s) or EW.Earthenware ductsFF.P or F or F.DFibre ductAASB or APPPPSS.P or SSteelCC.I or C or C.I.PCast ironWIW.IFor F.DFF or F.DFibre ductPRDPRDPlastic RigiductLeft blank - means NRD.N.K or D:NRDepth not knownE.VT/TT/TT/TN/A3/62 or NOV 79Date cable laidN/A-destination now only shown in cable attributeABCD etcHV cable destination (See section sheet HV ref)
F F,P or F or F,D Fibre duct A ASB or A Asbestos P P Plastic or pitch fibre S S.P or S Steel C C.I or C or C.I.P Cast iron WI W.I Wrought iron pipe F F or F.D Fibre duct PRD PRD PRD Left blank – means NR
Please note: Ducts are assumed to be 4"/100mm earthenware – unless otherwise stated







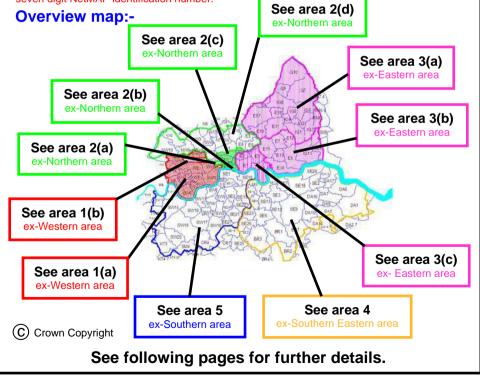
Regional NetMAP Anomalies - general overview:

The following pages explain the various major map style anomalies found within the London area. These styles are a legacy from the five individual London Electricity areas which were again formed from seventeen separately organised LEB districts. Areas with significant anomalies are shown in the following pages as cross-hatched areas. Areas with standard composite vector and raster layer information are shown as un-hatched areas.

<u>Cautionary note</u>: - any region or sub-region, either shaded or un-shaded, may contain some local anomalies not mentioned in the following pages – if in doubt, please contact the UK Power Networks Plan Provision team on telephone number 08701 963797.

All regions (1-5) will contain recently created composite vector (NetMAP/AutoCAD) data.

Recent work created using the NetMAP system and previously created using the AutoCAD system (as opposed to raster/scanned data) are recorded in the composite vector style shown on the UK Power Networks London area symbol sheet - see the first example on page 18 of this document. Recent data will be indicated by the existence of multi-coloured cables on the NetMAP system, but this may not be reflected on printed matter produced with a black and white printer. AutoCAD data looks similar to the coloured NetMAP data, but does not hold any cable 'attributes' when selected using the NetMAP system. These cables will be represented individually (multi-line representation). New NetMAP cross sections may be accessed electronically on the NetMAP system and are presented in printed format accompanied by a seven digit NetMAP identification number.



Region 1 ex-Western area

This region includes Westminster, Kensington, Chelsea, Hammersmith and Fulham. The region is covered by two map layer systems – **region 1(a)** mains and ways dual layer raster, and **region 1(b)** composite raster. The following explains this in greater detail.

Region 1(a) (hatched)

Mains and ways representation:

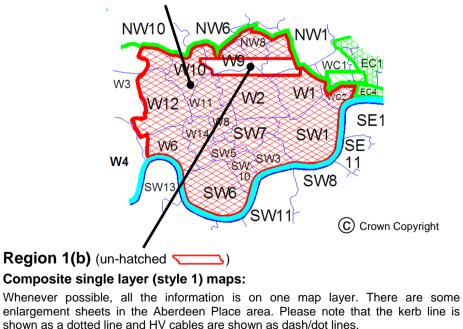
This system consists of two maps layers for the same area.

- i) The mains map shows all cable routes.
- ii) The ways map shows pipe and duct routes with cross sections.

There are some enlargement sheets, cross sections and jointing details. EHV routes are shown on either the mains or the ways map.

It is important that all these maps are read in conjunction with each other.

Caution: - It is also important to note that the kerb line detail on these maps is a dash/dot line, which on the majority of UK Power Networks Central (London) records would refer to an HV cable route. HV cables are shown as a solid line when laid direct and a dashed line when in a duct.



Region 2 ex-Northern area

This region includes Islington, Hackney, the City of London and parts of Brent, Camden and Ealing. The region is covered by four map layer systems - **Region 2(a)** - mains and ways dual layer raster (Holborn area), **Region 2(b)** - single line representation (City of London), **Region 2(c)** - multi-single line representation (Finsbury and Shoreditch) and **Region 2(d)** - composite multi-line maps (all other areas). This following explains this in greater detail.

Region 2(a) (hatched)

Covers part of WC1 and WC2 (Holborn).

Mains and ways representation:

This system consists of two maps layers for the same area.

- i) The mains map shows all cable routes.
- ii) The ways map shows pipe and duct routes with cross sections.

Where needed, extra sheets have been added for enlargements, cross sections and jointing details. EHV routes are shown on the mains map layer.

It is important that all these maps are read in conjunction with each other.

Caution: - It is also important to note that the kerb line detail on these maps is a dash/dot line, which on the majority of UK Power Networks Central (London) records would refer to an HV cable route. HV cables are shown as a solid line when laid direct and a dashed line when in a duct.



Region 2(b) (hatched

Covers parts of postal areas EC1, EC2 and all of postal areas EC3 and EC4.

Single line representation maps:

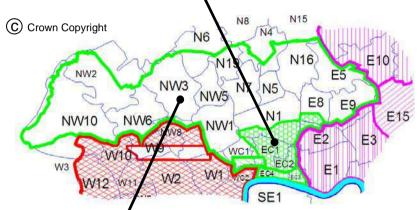
Whenever possible, all the information is on one map layer .One line can represent any number of cables or ducts. It is therefore very important to use cross sections. In some cross sections details may be written and not drawn. In complex and redrawn areas, some detail may be drawn using multi-line representation. There are some enlargement sheets.

Region 2(c) (hatched 1)



Multi-single line representation (style 1) maps:

Whenever possible, all the information is on one map layer. When cables lay immediately above/below each other, it is shown as a single line. For example if six cables lay three on three, only three lines would indicate the six cables. If the cables were laid flat, six separate lines would be shown. It is therefore important not to assume that the lines drawn indicate the number of cables, at any point. **Cross sections must be used.**



Region 2(d) (un-hatched)

Covers all other postal areas in this region

Composite single layer (style 1) maps:

Whenever possible, all the information is on one map layer. There are some enlargement sheets.

Region 3 ex-North Eastern area

This region includes Tower Hamlets, Newham, Redbridge, Waltham Forest, Loughton (Epping) and Barking and Dagenham. This region is covered by three mapping systems.

Region 3(a) (hatched

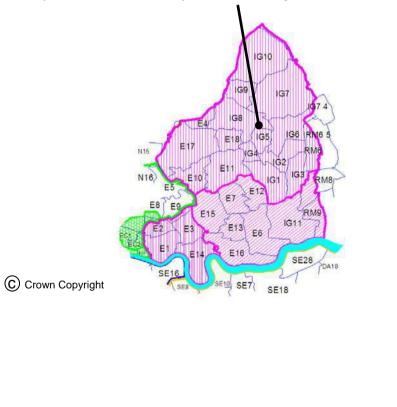
Separate HV and LV representation maps:

This system consists of two maps layers for the same area.

- i) The HV map layer showing HV cables and duct routes.
- ii) The LV map layer showing LV cables and duct routes.

Cross sections for both HV and LV cable routes are shown on a separate sheet. EHV cable routes are shown on the HV map layer.

It is important that all these maps are read in conjunction with each other.

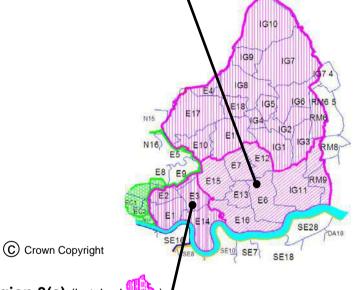


Region 3(b) (hatched



A combination of composite single layer (style 1) and multi-single line (style 2):

Whenever possible, all the information is on one map layer. There are some enlargement sheets. There is a combination of map styles used in this area. Some areas may be conventional multi-line line representation with many areas of multisingle line representation. In the multi-line areas each (live) cable is shown individually in plan. In the multi-single line map areas, there is a single line for each voltage type, with a single HV line and a single LV line representing more than one cable run of each voltage (when applicable). Therefore a cable run containing three HV cable and four LV cables will be represented by one HV line and one LV line.



Region 3(c) (hatched

A combination of composite single layer (style 2) and multi-single line (style 2):

Whenever possible, all the information is on one map layer. There are some enlargement sheets. In this area (postal code areas E1, E2, E3, E14 and part of E9), the cross sections are listed under each road name. It is therefore extremely important that you have the correct cross sections for the road you are working in.

There is a combination of map styles used in this area. Most areas are composite single layer (style 2) with some areas of multi-single line representation, as described in region 3(b).

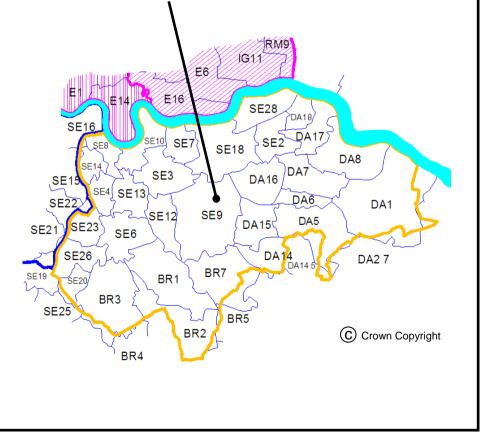
Region 4 ex-South Eastern area

This region includes Lewisham, Greenwich, Bromley, Bexley and Dartford. Nearly all maps are drawn in one style – single layer composite raster/vector.

Region 4 (un-hatched)

Composite single layer (style 1) with a small number of mains and ways representation maps :

Mainly composite maps - whenever possible, all the information is on one map layer. There are some enlargement and cross section sheets. Some maps do not show single phase services unless they are long and deviating. There are however some maps drawn using the mains and ways style. These are rare, but please be aware that they exist.



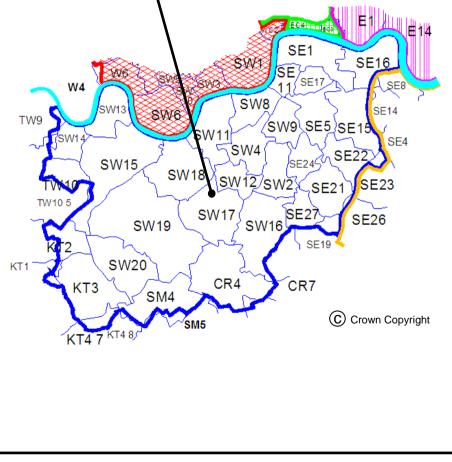
Region 5 ex-Southern area

This region includes Southwark, Lambeth, Wandsworth, Merton, Kingston upon Thames and Richmond upon Thames. All maps are drawn to one style - single layer composite raster/vector.

Region 5 (un-hatched)

Composite single layer (style 1) maps:

Composite maps - whenever possible, all the information is on one map layer. There are some enlargement and cross section sheets. A small number of maps may not show services.



Think before you...

DIG UNDER GROUND





Every year people are killed or seriously injured in incidents involving underground electricity cables.



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 time to read this simple safety leaflet and identify the precautions they should be taking.



People in construction, demolition, agriculture, infrastructure or anywhere else where excavation is taking place. That is why it is vital everyone working on or visiting a working site is fully aware of the hazards and the steps that must be taken to avoid them.

W HOW INCIDENTS HAPPEN

Sadly, accidents where excavators, breakers or other tools make contact with power cables are not uncommon. Where equipment or machinery is used near underground cables the risk must be considered and controlled in the interests of everyone.

THINK AHEAD

Get the basics right. Familiarise yourself with the site. Mark the route of underground cables running across the site on all plans circulated to staff. Find out if the work could be carried out away from the cables, or avoided all together.

UK Power Networks is committed to safety and actively encourages anyone undertaking work to contact us in advance for advice and free cable locating maps.

These will help you avoid our underground cables during your work, which is vital for your safety as well as ensuring we can provide a reliable supply of electricity.

For free maps and advice call **0800 056 5866** or write to: Plan Provision UK Power Networks Fore Hamlet Ipswich IP3 8AA plans@ukpowernetworks.co.uk

We can advise you on what steps to take if essential work is necessary close to underground cables and help ensure safe working practises are implemented.

Good management reduces the risk of accidents. With proper planning and control, workers should not come into contact with underground cables.

If excavation work forms a part of your day-to-day activities obtain a copy of the Health & Safety Executive's Guidance Note "Avoiding Danger from Underground Services" HSG47, which is free to download from the HSE's website - **www.hse.gov.uk/pubns/priced/hsg47.pdf**



- Have cable drawings and records on site, know how to read them and check them before starting work. Be aware that not all cables may be shown on the records.
- Look around for anything in the vicinity that would have an electricity service, such as street lights, CCTV cameras, phone boxes, etc. as well as the more obvious things like houses and industrial units.
- Always use a cable avoidance tool (CAT) to survey the entire site before digging commences. Once found, mark cable positions with spray paint or similar. Do not forget to use encroachment lines as well.
- **Dig trial holes**, by hand, alongside the indicated route of the cables(s).
- Use spades and shovels with **insulated handles** in preference to forks and picks.
- Make sure everyone on site, including visitors, understand the risks.
- If there is a **cable encased in concrete** contact **UK Power Networks to agree a safe method of work**. This may mean making the cable dead.
- Before demolishing a building make sure that supplies are disconnected, preferably well clear of the work area.
 For guidance on how to arrange a disconnection visit www.ukpowernetworks.co.uk – Our Services
- Have the **emergency contact telephone number** easily available on site.



WHAT NOT TO DO

- Never allow anyone near a damaged or suspected damaged cable or joint.
- Do not handle or attempt to alter the position of a cable or joint.
- Never assume that cables run in straight lines, they may be deflected around underground obstacles.
- Do not use mechanical excavator or powered digging tool within the vicinity of known cables.
- Never knock a road pin, or forcibly throw a spiked digging tool into the ground, without checking what is below the surface.

(1) IF A CABLE IS DAMAGED

Notify UK Power Networks immediately:

London 0800 028 0247 East of England 0800 783 8838 South East 0800 783 8866

Call the emergency services if anyone is injured. Anyone who has received an electrical 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. Cables can be re-energised at any time without warning.

Never remove anything that is stuck in a cable.

Keep everyone well away from the area of the damage.

Do NOT attempt to remove anything that is in contact with the cable.

CHECK IT OUT BEFORE YOU DIG UNDER GROUND

PLAN IT OUT

DANGER OF DEATH THINK BEFORE YOU DIG

Call the network operator

0800 587 3243 www.ukpowernetworks.co.uk

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

UK Power Networks, Registered office: Newington House, 237 Southwark Bridge Road, London SE1 6NP Registered in England and Wales No: 3870728



Utility Assets Ltd

Thank you for recently contacting Utility Assets plant record department. We will check whether we have any plant present at your site and contact you within 5 - 7 working days ONLY if we own any plant in the vicinity.

If we do not reply, we do not have any apparatus in the area of your works. However, PLEASE TAKE CARE when excavating around electricity cables in the event that not all cables present may be accurately shown. We recommend you use detecting equipment to map the site before excavating and fully comply with HSG47. DO NOT assume that a cable is dead if you don't have a record of its presence. The cable must be treated as live unless PROVEN DEAD by the cable owner. In case of emergency please contact your local electricity distribution company.

This is an automated reply from our dedicated asset records email address. If you receive further correspondence from us it will be from asset.manager@utilityassets.co.uk quoting a site reference number.

Asset Manager - Utility Assets Ltd

Rosie Munns

From:	plantenquiryservice@gtc-uk.co.uk
Sent:	30 May 2019 10:10
То:	Rosie Munns
Subject:	GTC Plant Enquiry - Ref- 998527
Attachments:	998527.png

GTC Apparatus Not Found In Search Area

Our Plant Enquiry Service Ref: 998527 Your Enquiry Ref: 24096JS

Dear Rosie,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. GTC can confirm that we have no apparatus in the vicinity but please note that other asset owners may have and ensure all utility owners have been consulted. For your records, the search area is shown in the attached map.

Please note our assets now include those owned and operated by:

- GTC Pipelines Limited
- Independent Pipelines Limited
- Quadrant Pipelines Limited
- Electricity Network Company Limited
- Independent Power Networks Limited
- Independent Water Networks Limited
- Independent Fibre Networks Limited
- Independent Community Heating Limited

If you have any queries or require any further information please do not hesitate to contact us.

Your sincerely,

GTC Plant Enquiry Service.

GTC Energy House Woolpit Business Park Woolpit Bury St Edmunds Suffolk, IP30 9UP Tel: 01359 240363 plant.enquiries@gtc-uk.co.uk

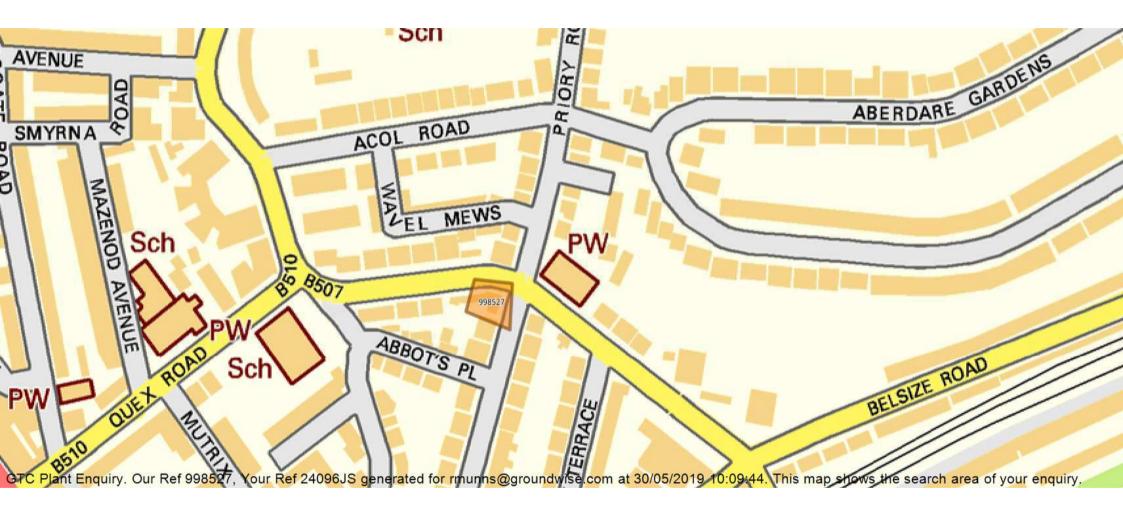
NOTE:

This E-Mail originates from GTC, Energy House, Woolpit Business Park, Woolpit, Bury St Edmunds, Suffolk, IP30 9UP

VAT Number: GB688 8971 40. Registered No: 029431.

DISCLAIMER

The information in this E-Mail and in any attachments is confidential and may be privileged. If you are not the intended





Rosie Munns Groundwise Searches Ltd Suite 8 Chichester House 45 Chichester Road Southend on Sea Essex SS1 2JU Plant Protection Cadent Block 1; Floor 1 Brick Kiln Street Hinckley LE10 0NA E-mail: <u>plantprotection@cadentgas.com</u> Telephone: +44 (0)800 688588

National Gas Emergency Number: 0800 111 999*

National Grid Electricity Emergency Number: 0800 40 40 90* * Available 24 hours, 7 days/week. Calls may be recorded and monitored.

www.cadentgas.com

Date: 30/05/2019 Our Ref: NL_TE_Z5_3SWX_551770 Your Ref: 24096JS RE: Proposed Works, 39 Priory Terrace

Thank you for your enquiry which was received on 30/05/2019. Please note this response and any attached map(s) are valid for 28 days.

An assessment has been carried out with respect to Cadent Gas Limited, National Grid Electricity Transmission plc's and National Grid Gas Transmission plc's apparatus. Please note it does not cover the items listed in the section "Your Responsibilities and Obligations", including gas service pipes and related apparatus. For details of Network areas please see the Cadent website (<u>http://cadentgas.com/Digging-safely/Dial-before-you-dig</u>) or the enclosed documentation.

As your works are at a "proposed" stage, any maps and guidance provided are for information purposes only. This is not approval to commence work. You must submit a "Scheduled Works" enquiry at the earliest opportunity and failure to do this may lead to disruption to your plans and works. Plant Protection will endeavour to provide an <u>initial</u> assessment within 14 days of receipt of a Scheduled Works enquiry and dependent on the outcome of this, further consultation may be required.

In any event, for safety and legal reasons, works must not be carried out until a Scheduled Works enquiry has been completed and final response received.

Your Responsibilities and Obligations

The "Assessment" Section below outlines the detailed requirements that must be followed when planning or undertaking your scheduled activities at this location.

It is your responsibility to ensure that the information you have submitted is accurate and that all relevant documents including links are provided to all persons (either direct labour or contractors) working for you near Cadent and/or National Grid's apparatus, e.g. as contained within the Construction (Design and Management) Regulations.

This assessment solely relates to Cadent Gas Limited, National Grid Electricity Transmission plc (NGET) and National Grid Gas Transmission plc (NGGT) and apparatus. This assessment does **NOT** include:

- Cadent and/or National Grid's legal interest (easements or wayleaves) in the land which restricts activity in proximity to Cadent and/or National Grid's assets in private land. You must obtain details of any such restrictions from the landowner in the first instance and if in doubt contact Plant Protection.
- Gas service pipes and related apparatus
- Recently installed apparatus
- Apparatus owned by other organisations, e.g. other gas distribution operators, local electricity companies, other utilities, etc.

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities. Further "Essential Guidance" in respect of these items can be found on either the <u>National Grid</u> or <u>Cadent</u> website.

This communication does not constitute any formal agreement or consent for any proposed development work; either generally or with regard to Cadent and/or National Grid's easements or wayleaves nor any planning or building regulations applications.

Cadent Gas Limited, NGGT and NGET or their agents, servants or contractors do not accept any liability for any losses arising under or in connection with this information. This limit on liability applies to all and any claims in contract, tort (including negligence), misrepresentation (excluding fraudulent misrepresentation), breach of statutory duty or otherwise. This limit on liability does not exclude or restrict liability where prohibited by the law nor does it supersede the express terms of any related agreements.

If you require further assistance please contact the Plant Protection team via e-mail (<u>click here</u>) or via the contact details at the top of this response.

Yours faithfully

Plant Protection Team

ASSESSMENT

Affected Apparatus

The apparatus that has been identified as being in the vicinity of your proposed works is:

- Low or Medium pressure (below 2 bar) gas pipes and associated equipment. (As a result it is highly likely that there are gas services and associated apparatus in the vicinity)
- Electricity Transmission underground cables and associated equipment

Requirements

BEFORE carrying out any work you must:

- Refer to the attached cable profile drawings (if any) which provide details about the location of National Grid's high voltage underground cables.
- Carefully read these requirements including the attached guidance documents and maps showing the location of apparatus.
- Contact the landowner and ensure any proposed works in private land do not infringe Cadent and/or National Grid's legal rights (i.e. easements or wayleaves). If the works are in the road or footpath the relevant local authority should be contacted.
- Ensure that all persons, including direct labour and contractors, working for you on or near Cadent and/or National Grid's apparatus follow the requirements of the HSE Guidance Notes HSG47 'Avoiding Danger from Underground Services' and GS6 'Avoidance of danger from overhead electric power lines'. This guidance can be downloaded free of charge at http://www.hse.gov.uk
- In line with the above guidance, verify and establish the actual position of mains, pipes, cables, services and other apparatus on site before any activities are undertaken.

GUIDANCE

Working Near National Grid Electricity Transmission equipment:

If you are carrying out any work in proximity to an overhead line or any excavation that may be near an underground cable then please consult National Grid Technical Guidance Note 287 that can be found at https://www.nationalgrid.com/sites/default/files/documents/8589935533-TGN%20287_Third%20party%20guidance%20for%20working%20near%20NGET%20equipment.pdf Further guidance related to underground cables can also be found at https://www.nationalgrid.com/sites/default/files/documents/8589936513-TGN%20287_Third%20party%20Leaflet%20Electricity.pdf

Excavating Safely - Avoiding injury when working near gas pipes: http://www.nationalgrid.com/NR/rdonlyres/2D2EEA97-B213-459C-9A26-18361C6E0B0D/25249/Digsafe_leaflet3e2finalamends061207.pdf

Standard Guidance

Essential Guidance document: http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=8589934982

General Guidance document: http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=35103

Excavating Safely in the vicinity of gas pipes guidance (Credit card): http://www.nationalgrid.com/NR/rdonlyres/A3D37677-6641-476C-9DDA-E89949052829/44257/ExcavatingSafelyCreditCard.pdf

Excavating Safely in the vicinity of electricity cables guidance (Credit card): http://www.nationalgrid.com/NR/rdonlyres/35DDEC6D-D754-4BA5-AF3C-

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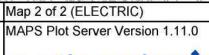
Copies of all the Guidance Documents can also be downloaded from the <u>National Grid</u> and <u>Cadent</u> websites.

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USER: RosieMunns	9 Owerhead lines 0 0 m 1 100m Approximate scale 1:5000 on A3 Colour Landscape	This plan shows those cables owned by National Grid Electricity Transmission plc in its role as a Licensed Electricity Transporter (ET). Electricity cables owned by other ETs, or otherwise privately owned, may be present in this area. Information with regard to such cables should be obtained from the relevant owners The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Ancillary equipment such as cooling systems and communication cables are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Electricity Transmission plc 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 cables 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 electricity apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.
DATE: 30/05/2019		
DATA DATE: 18/02/2019		
REF: 24096JS		
MAP REF: TQ2583 CENTRE: 525685, 183964		
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SouthHampstead

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Requested by: Groundwise Searches Ltd

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