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Water & Sewer





Murphy Surveys

LONDON N7 9DP

Search address supplied

Sheldon House Cromwell Road Teddington TW11 9EJ

Your reference 45746 Sheldon House

Our reference ALS/ALS Standard/2022_4642761

Search date 12 May 2022

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 www.thameswater-propertysearches.co.uk





Search address supplied: 1, Sheldon House, Cromwell Road, Teddington, TW11 9EJ

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 searchprovides 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

Web: www.thameswater-propertysearches.co.uk



Waste Water Services

Please provide a copy extract from the public sewer map.

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.

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0800 316 9800. The Customer Centre can also arrange for a full flow and pressure test to be carried out for a fee.



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

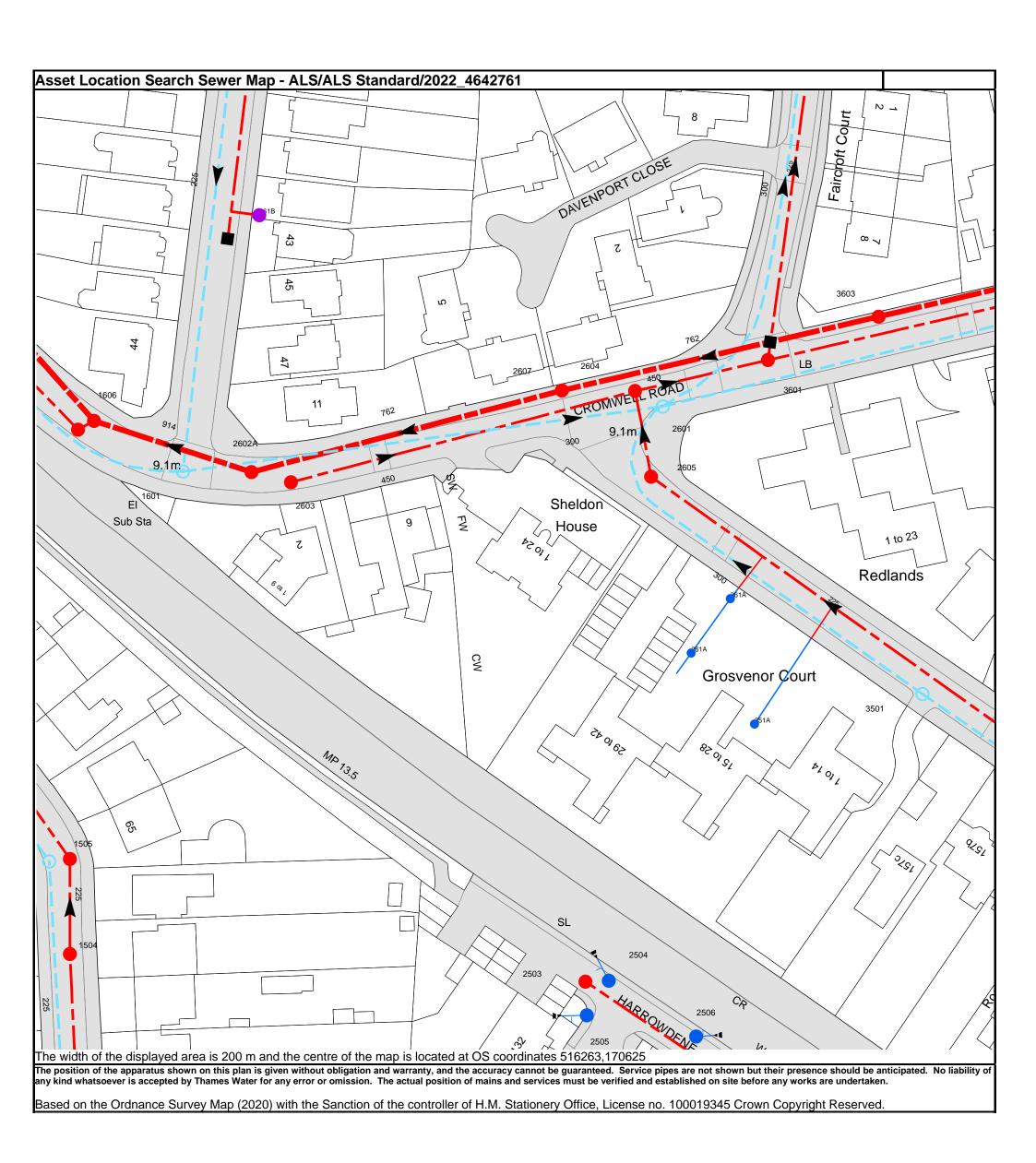
Clean Water queries

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



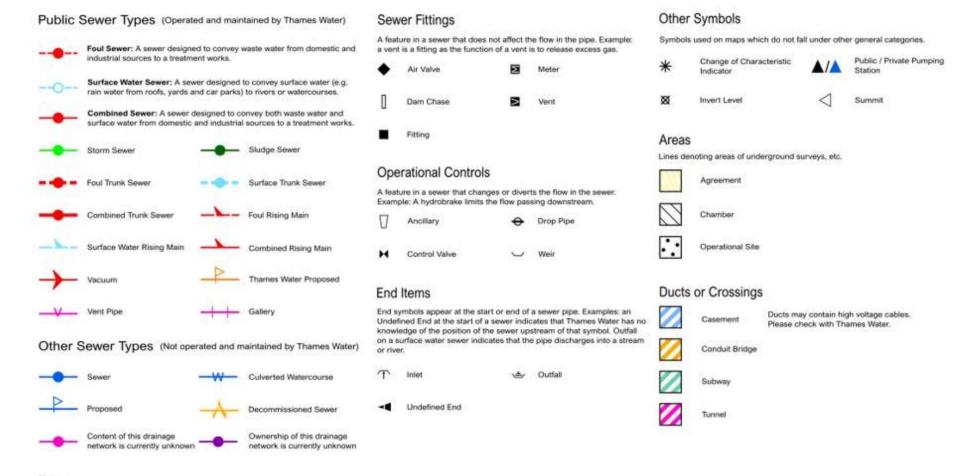
<u>Thames Water Utilities Ltd</u>, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0800 009 4540 E <u>searches@thameswater.co.uk</u> I <u>www.thameswater-propertysearches.co.uk</u>

Manhole Reference	Manhole Cover Level	Manhole Invert Level
261B	n/a	n/a
2506	n/a	n/a
351A	n/a	n/a
3501	9.12	6.18
261A	n/a	n/a
361A	n/a	n/a
2601	9.1	6.07
3601	9.21	6.34
3603	9.19	-2.2
2505	n/a	n/a
2503	n/a	n/a
2504	n/a	n/a
2603	8.96	6.65
2605	9.01	6.62
2602A	9.03	-2.39
1601	9.06	6.9
1603	8.9	n/a
1606	8.99	-2.49
2604	9.05	6.41
2607	8.92	-2.3
1504	9.02	6.19
1501	8.99	7.56
1505	9.07	6.08

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.



Asset Location Search - Sewer Key



5) 'na' or '0' on a manhole indicates that data is unavailable.

6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimeters.

If you are unsure about any text or symbology, please contact Property Searches on 0800 009 4540.

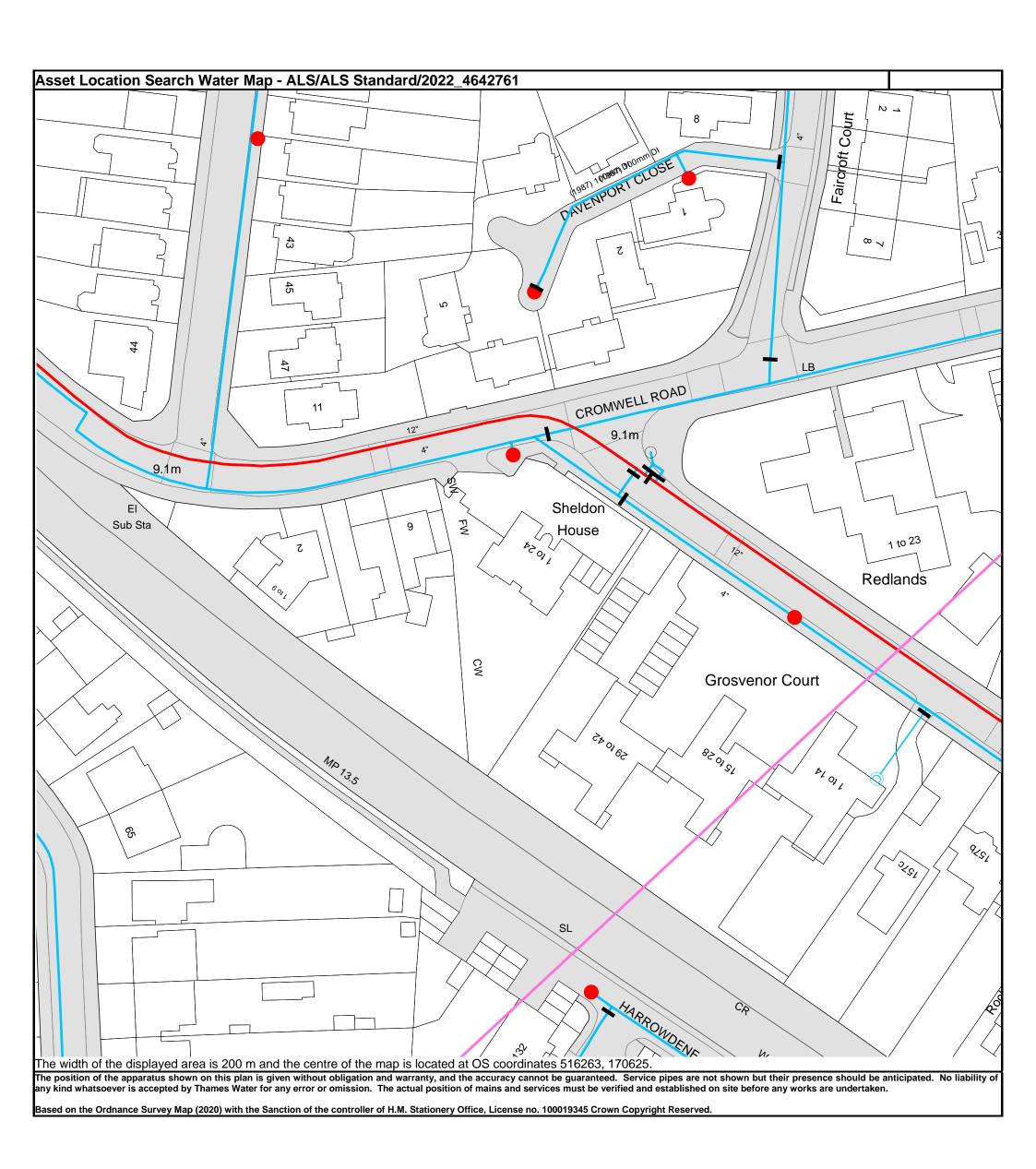
Text next to a manhole indicates the manhole reference number and should not be taken as a measurement.

Most private pipes are not shown on our plans, as in the past, this information has not been recorded.

3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate the direction of flow.

1) All levels associated with the plans are to Ordnance Datum Newlyn.

2) All measurements on the plan are metric.



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Asset Location Search - Water Key

Water Pipes (Operated & Maintained by Thames Water)

Distribution Main: The most common pipe shown on water maps, With few exceptions, domestic connections are only made to distribution mains.

Trunk Main: A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.

Supply Main: A supply main indicates that the water main is used as a supply for a single property or group of properties.

Fire Main: Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.

Metered Pipe: A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.

Transmission Tunnel: A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.

Proposed Main: A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12* - 24*)	1100mm (3' 8")
600mm and bigger (24° plus)	1200mm (4')

Valves



Hydrants



Meters

_	-	Meter

End Items

Symbol indicating what happens at the end of a water main.

	-	Blank Flange
	-	Capped End
3	0	Emptying Pit
	0	Undefined End
	0	Manifold
		Customer Supply

Fire Supply

Operational Sites

0	Booster Station
-0-	Other
-0	Other (Proposed)
_	Pumping Station
_	Service Reservoir
Ф	Shaft Inspection
-0-	Treatment Works
- •	Unknown
易	Water Tower

Other Symbols

Data Logger

Casement: Ducts may contain high voltage cables. Please check with Thames Water.

Other Water Pipes (Not Operated or Maintained by Thames Water)

Other Water Company Main: Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.

Private Main: Indiates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

- 1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
- 2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
- 3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
- 4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
- 5. In case of dispute TWUL's terms and conditions shall apply.
- 6. Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
- 7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
- 8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to her at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

Ways to pay your bill

Credit Card	BACS Payment	Telephone Banking	Cheque
Call 0800 009 4540 quoting your invoice number starting CBA or ADS / OSS	Account number 90478703 Sort code 60-00-01 A remittance advice must be sent to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW. or email ps.billing@thameswater. co.uk	By calling your bank and quoting: Account number 90478703 Sort code 60-00-01 and your invoice number	Made payable to 'Thames Water Utilities Ltd' Write your Thames Water account number on the back. Send to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW or by DX to 151280 Slough 13

Thames Water Utilities Ltd Registered in England & Wales No. 2366661 Registered Office Clearwater Court, Vastern Rd, Reading, Berks, RG1 8DB.



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Electric





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

Registered in England and Wales No: 3870728

Company: UK Power Networks (Operations) Limited

Our Ref: 25611183 Your Ref: 45746 Sheldon House

Thursday, 12 May 2022

Panagiotis Gourales 39-41 North Road London Greater London N7 9DP

Dear Panagiotis Gourales

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 SEI 6NP

Registered in England and Wales No: 3870728

Company: UK Power Networks (Operations) Limited

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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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.

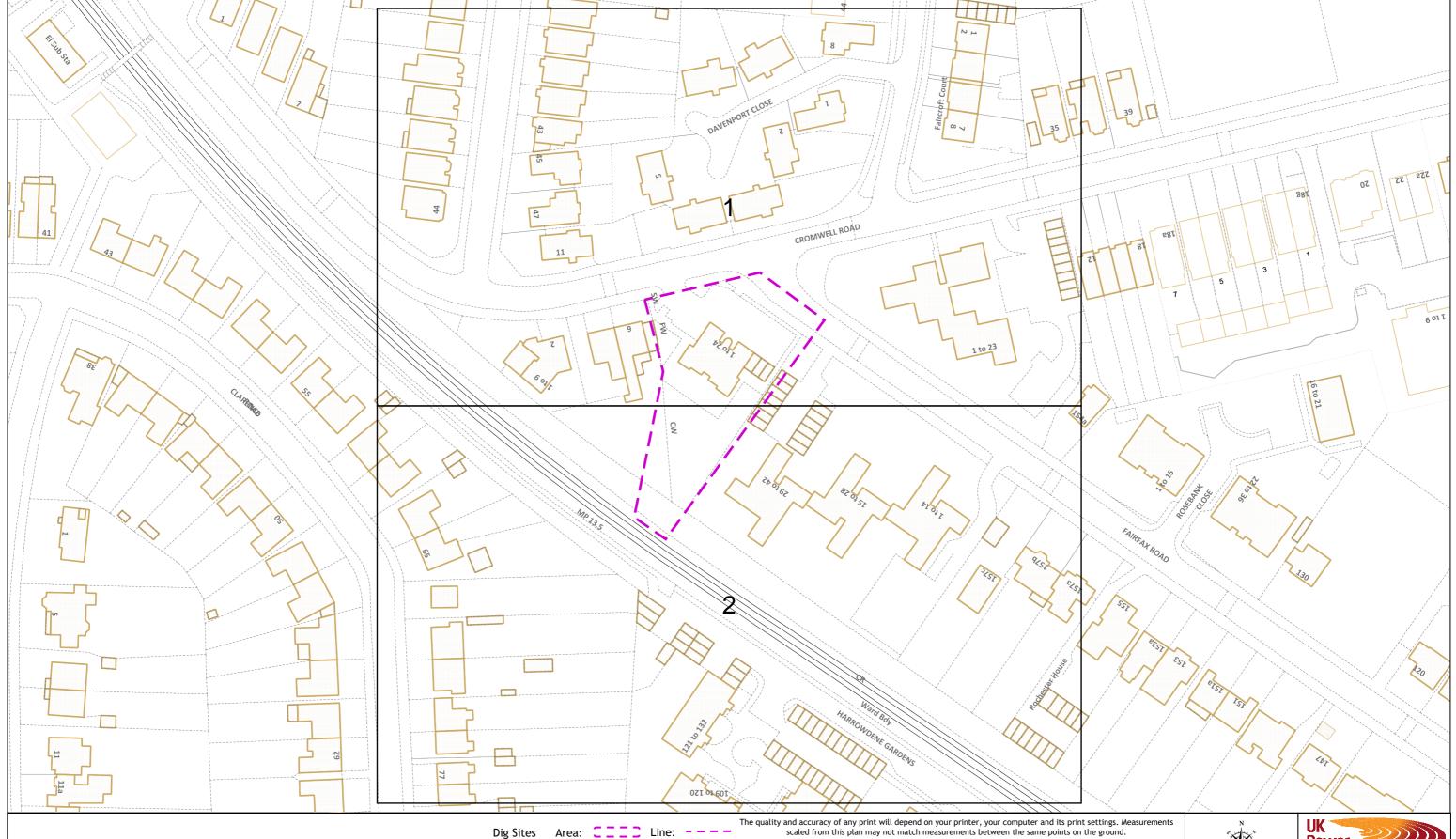
If given a reasonable period of prior notice UK Power Networks will attend on site without charge to advise how and where "goal posts" should be erected. If you wish to use this service, in the first instance please telephone: 0845 6014516 between 08:30 and 17:00 Monday to Friday.

- 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.









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

Date Requested: 12/05/2022 Job Reference: 25611183 Site Location: 516241 170575 Requested by:

Mr Panagiotis Gourales Your Scheme/Reference: 45746 Sheldon House

Scale: 1:1025 (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 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
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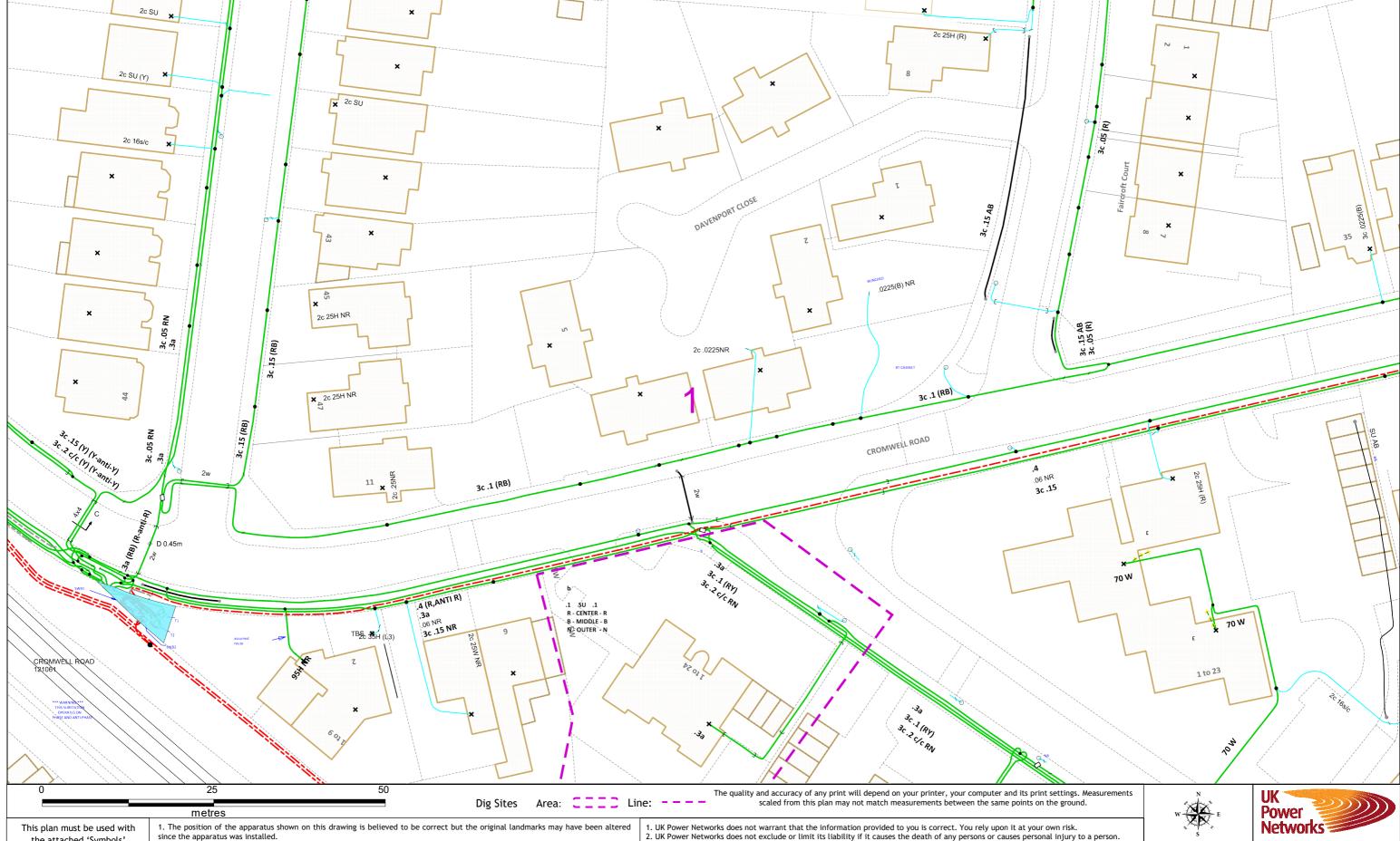
IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY



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

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the attached 'Symbols' document

Date Requested: 12/05/2022 Job Reference: 25611183 Site Location: 516241 170575 Requested by:

Mr Panagiotis Gourales Your Scheme/Reference: 45746 Sheldon House

Scale: 1:500 (When plotted at A3)

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- 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
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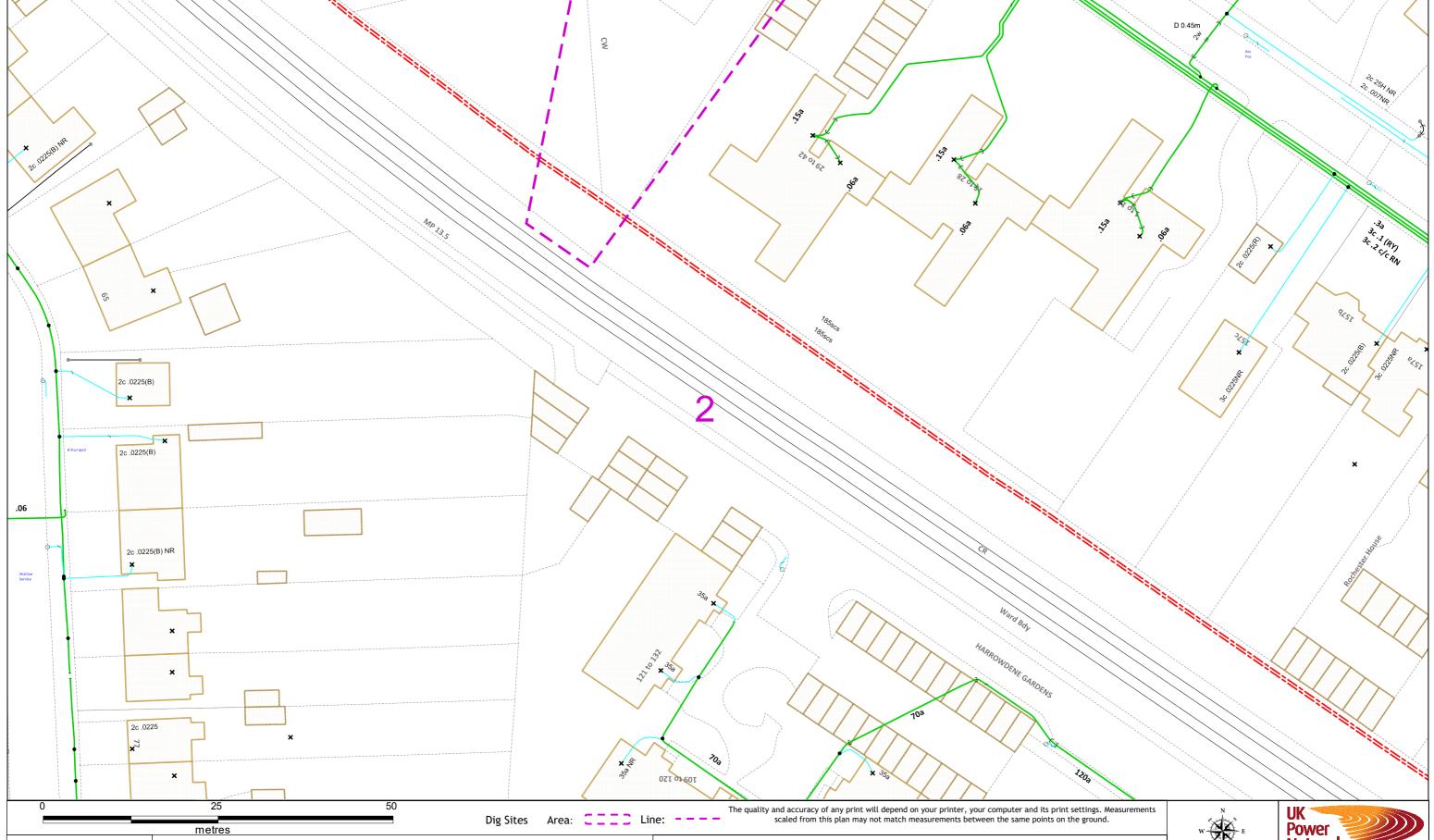
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- 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer 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
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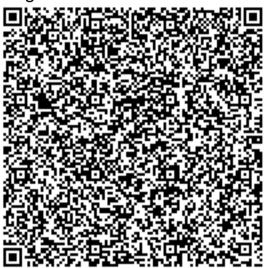


UK Power Networks Feedback Tool

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



Network Records NetMAP Symbols Booklet South East England

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

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22	,	JK Power Networks use only). Notes.
23		Primary distribution line route.
23 24		Secondary distribution cables.
24 25		
25 27		Primary and secondary sites.
21		Switch types.
28	1:10000 view	(UK Power Networks use only).
		Notes.
29		Secondary distribution cables.
30		Primary and secondary sites.
		,

Guidance notes.

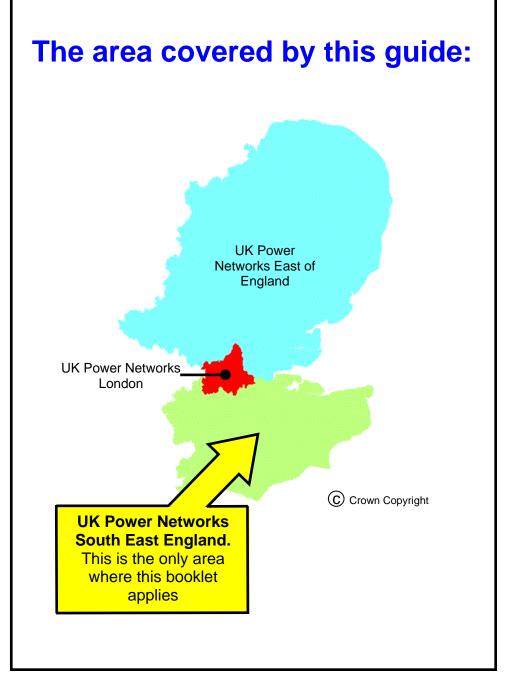
Important notice:

If you do not understand the NetMAP record that you are using, please contact the UK Power Networks Network Records team for guidance on **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.
- Third party cables are not usually shown.
- When viewed in black and white, the line-style indicates the voltage.
- All LV cables are 4 core and all HV cables are 3 core unless otherwise stated.
- All cables are copper unless otherwise stated.



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



1:500 (& 1:1250) view

Scenery

NetMAP system	Description
	Secondary buildings and fence lines Building line Kerb line UK Power Networks / SPN licence boundary (not visible unless selected)

3

Scenery for UK Power Networks use only - boxed in red

Inset Network – Contact xxxx IDNO for further information

NetMAP system





Area of inset network - not the asset of UK Power Networks

Description

(only visible to UK Power Networks and their immediate contractors)

Proposed Cross Rail route (only visible to UK Power Networks and their immediate contractors)

High pressure pipelines in the general vicinity

(only visible to 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.







Water - surface water

(only visible to UK Power Networks and their immediate contractors)

Water - Source Protection Zone 1 (only visible to UK Power Networks and their immediate contractors)

Water - Source Protection Zone 2 (only visible to UK Power Networks and their immediate contractors)

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	Description	
	Historical - Scheduled Monuments (only visible to UK Power Networks and their immediate contractors)	
	Historical - Parks and Gardens (only visible to UK Power Networks and their immediate contractors)	
	Historical - Areas of Archaeological Potential (AAP) (only visible to UK Power Networks and their Immediate contractors)	
	Nature - Ramsar Wetlands of International Importance (only visible to UK Power Networks and their immediate contractors)	
	Nature - Special Area of Conservation (SAC) (only visible to UK Power Networks and their immediate contractors)	
	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	Description	
	Nature - Local Nature Reserve (only visible to UK Power Networks and their immediate contractors)	
	Nature - National Nature Reserve (only visible to UK Power Networks and their immediate contractors)	
	Nature - Area of Outstanding Natural Beauty (AONB) (only visible to UK Power Networks and their immediate contractors)	
	Nature - National Park (only visible to UK Power Networks and their immediate contractors)	
	Fluid filled cables - very high sensitivity (only visible to UK Power Networks and their immediate contractors)	
	Fluid filled cables - high sensitivity (only visible to UK Power Networks and their immediate contractors)	
	Fluid filled cables - medium sensitivity (only visible to UK Power Networks and their immediate contractors)	
	Fluid filled cables - low sensitivity (only visible to UK Power Networks and their immediate contractors)	

NetMAP system Description	
	275-400kV National Grid rout
	132kV cable route
	33kV cable route
Approximate routes only — see seperate record	

Secondary distribution cables (1:500 view)		
NetMAP system	Description	
	11kV underground cable	
	11kV overhead line	
	6.6kV underground cable	
	6.6kV overhead line	
	<6.6kV underground cable	
II (03002000000 100 100 101 101 101 101 101 10	<6.6kV overhead line	
	LV underground cable	
•	LV overhead line	
Pilot	Pilot cable	
2c SU pl	LV street lighting (pl)	
•	Service overhead line	
	Service underground	
	Logical service connection	

Seconda	ry distribution cable terminology (1:500 view)
	HV underground
sta (no text) XLPE bcs scs ua c/c Poly BOTES of 33 kV design ax cx	PILCSTA (paper insulated lead covered steel tape armour) PILCSWA (paper insulated lead covered steel wire armour) XLPE (cross linked polyethylene) insulation CAS (corrugated aluminium sheath) belted construction CAS (corrugated aluminium sheath) with screened cores PILC (paper insulated lead covered) unarmoured Concentric cores Poly (polyethylene) insulation BOTES — Board of Trade earth screen Oil filled Constructed to 33 kV specification Triplex with aluminium conductor Triplex with copper conductor
	HV overhead
(no text) pvc cat +ew ccc	Bare open wire Open wire PVC covered ABC (aerial bundled or bunched conductor) with supporting strain wire Open wire with extra earth conductor Compact covered conductor
	Overhead line materials
sca cc st sil ccs cpl	Steel cored aluminium Cadmium copper Steel Simalec Copper covered steel Compactal
	section continued on next page

Secondary distribution cable terminology continued (1:500 view)
LV underground mains and services

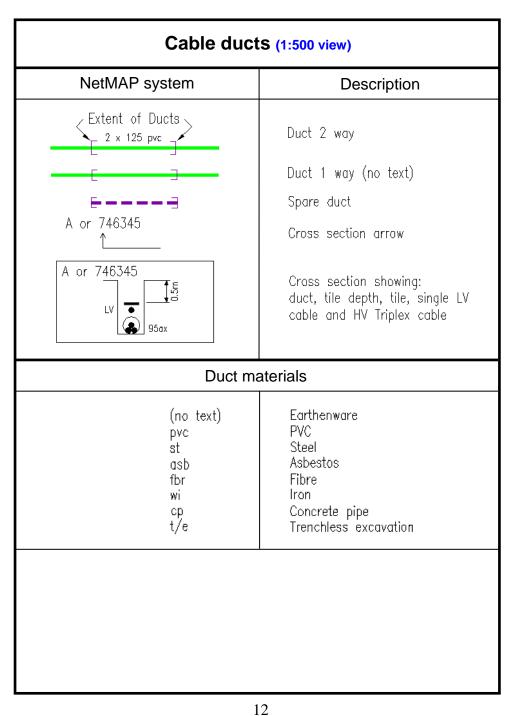
W We H He ua (no text) XLPE DISTRI c/c s/c	Waveform Waveform with seperate earth wire Hybrid — copper neutral with aluminium phase conductor Hybrid with seperate earth wire PILC (paper insulated lead covered) unarmoured PILC (paper insulated lead covered) with/without armour XLPE (cross linked polyethylene) insulation PISTA (paper insulated steel tape armour) 4c SAC (solid aluminium core) with lead covered neutral Concentric cores Split concentric with seperated neutral and earth wires
CONSAC vb Capothene tby swa sac Solidal LSF Trough	Paper insulated aluminium sheathed 3 core with solid aluminium cores Vulcanised bitumen/rubber insulation Capothene core insulation Tape braid and yarn PILSWA (paper insulated lead steel wire armour) PILSTA (paper insulated steel tape armour) solid aluminium core 4 sector SAC with solid aluminium cores Low smoke and furne (orange cable) Cable laid in filled trough

LV overhead mains and services

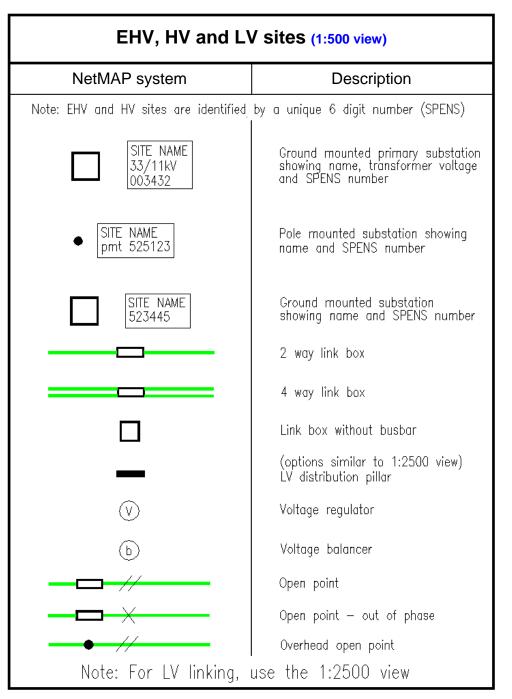
(no text)	Bare open wire
ABC	Aerial bundled (or bunched) conductor
cat	ABC (aerial bundled or bunched conductor) with supporting strain wire
pvc	PVC covered open wire
c/c	Concentric cores
Н	Hybrid — copper neutral with aluminium phase conductor
ue	Under eaves — hessian covered lead cable
vir	Vulcanised India rubber insulation
	section continued on next page

Secondary distribution cable terminology continued (1:500 view)

	Various annotation
.1	Cable size (sq. inches)
185	Cable size (sq. millimetres)
a	Aluminium
ITC	Instrument traced cable or ITC - cable traced electronically using Cable Avoidance Tool (CAT) or similar



Poles	(1:500 view)
NetMAP system	Description
(S) 999999 • •	Section pole Pole number (unique) Single leg H pole
	3 member 4 member
••	Strut Pole support (stay)
•—•	Flying stay
	Tower 33kV to 400kV



Straight (same for Pot end (same for Branch (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service to LV mair Under eaves service The Pot end (same for Sleeve repair Capped end Service The Pot end (same for Sleeve repair Capped end Service The Pot end	Pot end (sam	
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Service to LV mair Under eaves servic 1 .15 a R - R Y - B Service to LV mair Under eaves servic	· · · · · · · · · · · · · · · · · · ·	,
Service to LV mair Under eaves servic 1 .15 a R - R Y - B Service to LV mair Under eaves servic	Capped end	
a .1 .15 a R — R Y — B Jointing phase draw		main
In the second se	Under eaves :	service
,	R — R Y — B Jointing phase	e drawing

Street furnit	ure (1:500 view)
NetMAP system	Description
-0	Pole mounted street light Street light
0	Zebra crossing Road sign Bollard Pelican crossing
0	Traffic controller Advertising sign Amplifier station
	Control cubicle <u>Text displayed/description</u>
□ ^{TBS}	Pay and display Bus shelter TBS Kiosk Water meter PL pillar TCB
	Unknown

NetMAP system	Description
Γ-7	Underground chamber
L _ J	Underground chamber or draw pit
-x <u>x</u> x-	Earth conductor
_	Earth pin
H 1.0 \bigoplus	Height marker
D 1.0 🕀	Depth marker
×	Supply point
CAUTION Missing Information	Missing data in or near this location
Contaminated Land refer to SHE 01 016	Contaminated land reference

NetMAP system	Description
•	<u>'</u>
+	Edge node
	Node
•	Connector
	Pole termination
	nothing visible unless selected
Edge nodes, nodes, connecto may not appear on screen	ors and pole termination joints unless turned on and selected.