

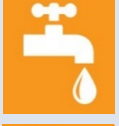







# Utilities Report

## Utility Type

	Electricity	AFFECTED
	Gas	AFFECTED
	Water and Sewerage	AFFECTED
	Telecoms	AFFECTED
	Other	AFFECTED

## Report Information

	Works Description: Legal Conveyancing
	This is Batch A - Responses Enclosed
	Complete - Please see 'Understanding This Report'

This report is issued for the site described as:

Site at Brick Lane, Mepal, Ely

Report Reference:

184909716\_1

National Grid Reference:

544150,280500

Customer Reference:

LM / 70662

Report Date:

28 November 2018

## CONTACT DETAILS

-----  
If you require any assistance please contact our customer services team on:

**0844 844 9966**

-----  
or by email at:

[helpdesk@landmark.co.uk](mailto:helpdesk@landmark.co.uk)

# Utilities Report



## Understanding This Report

We have asked a comprehensive list of Utility companies whether they have any apparatus or underground services in the vicinity of the site.

### Location Map

This shows the plan that was dispatched to the Utility companies. The companies have been asked to return information on the area outlined, which will encompass your chosen site.

### Request Status Report

This will confirm the current status of the information requests. We list which responses we have received and whether the company is affected. The Status Report will be divided into the following sections.

**Affected Utilities - We have received plans/information**

**No response received - We are still awaiting a full response**

**Not affected utilities - We have received a not affected/no plant present response**

### Responses

Affected responses are listed by company.

Any responses from companies confirming they are not affected are provided at the back of the report for your records.



### 'Awaiting Further Responses' or 'Pack Complete'?

We do not include Local Authority requests when indicating if the pack is 'Complete' or 'Awaiting Further Responses' as Local Authorities are not obliged to reply to these enquiries.

The local authority for the area is contacted to see if they have any council owned property that may be affected by works. In general, these plant enquiries go to the highways department for responses regarding street lighting and drainage. However, the responses we receive can vary each time depending on resources available at the council and we often don't receive replies from local authorities at all.

### Response Times

We endeavour to obtain as much of the information as possible within the timescale of this report. Unfortunately, there are occasions when the response times of the utility companies mean we do not receive all information within the chosen timescale.

In these scenarios we will send all the information that is available as a first report. When we receive any remaining responses, the report will be re-issued in full incorporating the new information. This will continue until the report is complete. The front page of the report will confirm the batch (e.g. A, B or C) and whether responses are outstanding.

### Terms and Conditions

Full Terms and Conditions can be found on the following link: <http://www.landmarkinfo.co.uk/Terms/Show/515>

Please note that Utility reports have a validity of 3 months from the date of purchase.

If you experience difficulties accessing our Terms and Conditions, please copy and paste the link directly into your browser, you will then be able to access our Terms and Conditions from there. Should you still experience difficulties, please telephone our Customer Service Team on 0844 844 9966.

### Next Steps:

For any queries regarding the report content, or help with the report, contact your Landmark Customer Services team.

# Utilities Report



## Landmark Utilities Report Service PAS 128 Statement

Prepared for: **Landmark Information Group Ltd**

Practitioner: Atkins

Order Number: 70662

Site Name: Site at Brick Lane, Mepal, Ely

Date of Order: 02 November 2018

Date of Issue: 28 November 2018

Thank you for using our Utility Report Service.

This report has been completed in accordance with the standards defined under Survey Category D of PAS128, a Publicly Available Specification for underground utility detection, verification and location published by the British Standards Institution.

Positional accuracy of plant is not guaranteed from information presented in a desktop search alone and the location of underground utilities should be verified through other means prior to breaking ground.

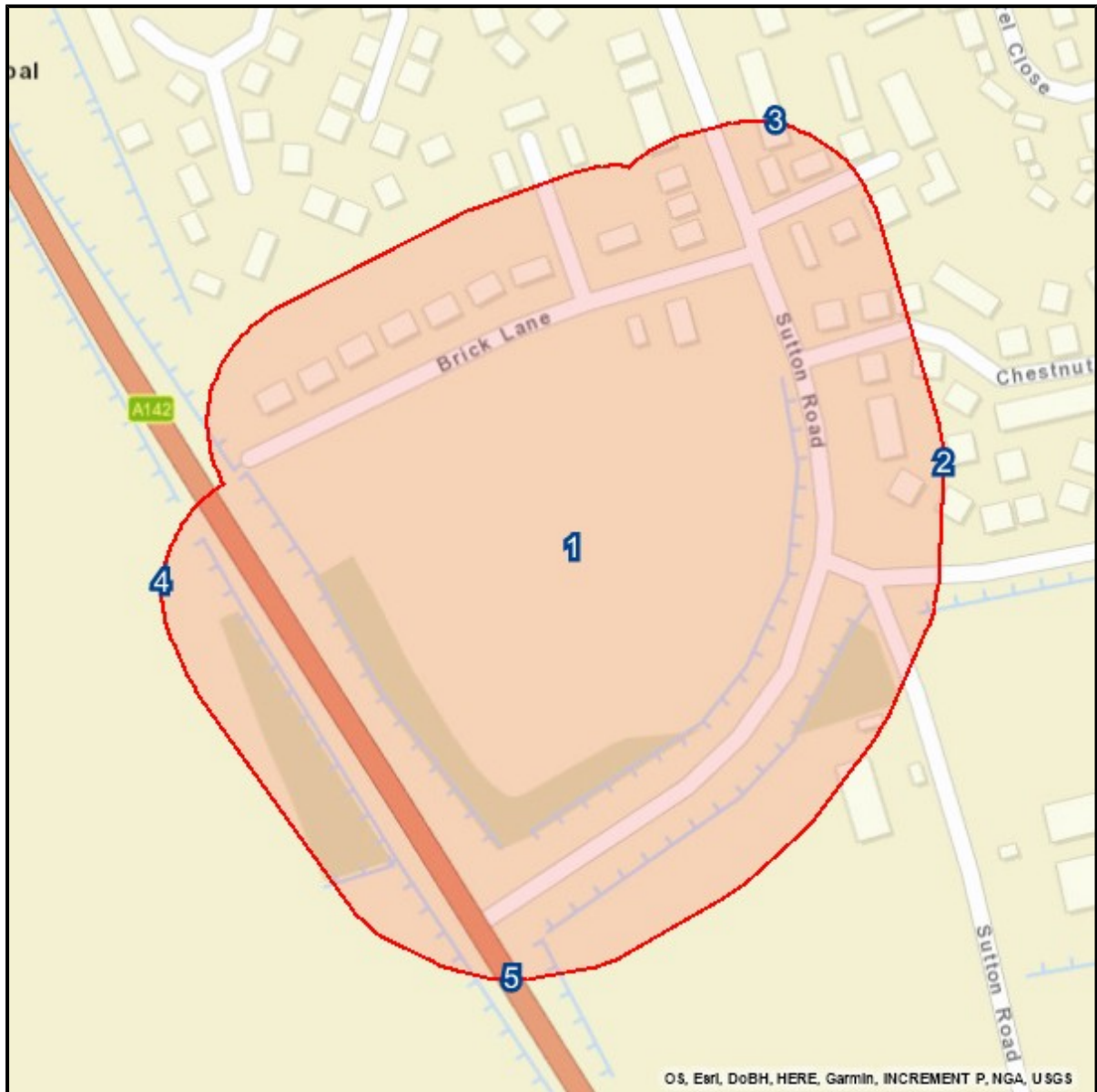
Information relating to the presence of Radio Frequency Identification Devices (RFIDs) has been requested from relevant utility companies or taken from mapping systems where available.

Utility companies who have not responded to enquiries are referenced on the enclosed Status Report accordingly. Their response will be chased and forwarded on for a period of up to four working weeks. Whilst we cannot guarantee that a utility company will respond to our enquiries, we endeavour to obtain responses from those that have not responded.

Any responses contained within this report have been obtained between the start date of the order and the date of issue.

If you want to discuss your report further with us please contact Landmark Customer Services.

Checked by BRK



## Overview of Site

Please ensure that the search data covers the COMPLETE AREA within the boundary lines on this map. (marked by: ---)

Landmark will not be held responsible for any incident or accident arising from the use of the information associated with this particular Utility Search Report. The details provided are given in good faith, but no liability whatsoever can be accepted in respect thereof.

REFERENCE: 70662

SITE: Site at Brick Lane, Mepal, Ely

POST CODES:

1) CB6 2AH; 2) CB6 2YR; 3) CB6 2BT;

SITE SIZE: 7.42 ha

MAP SCALE: 1:2500

COORDINATES:

1) E: 544146, N: 280503; 2) E: 544291, N: 280536; 3) E: 544225, N: 280669; 4) E: 543986, N: 280489; 5) E: 544122, N: 280335;



Site at Brick Lane, Mepal, Ely

CB6 2AH

OSGR: 544150,280500

Date Requested: 02 November 2018

Client Reference:

184909716\_1

**Affected Utilities** We have received plans/information from the following companies. Please see the enclosed response.

Utility	Category	Date Issued	Late Response Issue Date	Notes
Anglian Water	Water, Sewerage	28 November 2018		
Cadent Gas Ltd	Gas	28 November 2018		
Cambridgeshire County Council	Council	28 November 2018		See response. Council website used.
Environment Agency	Environmental Agency	28 November 2018		See response.
GTC	Telecom, Gas, Electric, Water	28 November 2018		
LinesearchbeforeUdig	Other	28 November 2018		UK Power Networks - identified as affected. See separate response.
Openreach - [British Telecommunications]	Telecom	28 November 2018		
UK Power Networks	Electric	28 November 2018		
Utility Assets	Electric	28 November 2018		See response.

**Not Affected Utilities** We have received a not affected/no plant present response from the following companies.

Utility	Category	Date Issued	Late Response Issue Date	Notes
C.A. Telecom UK - [Colt Technology Services]	Telecom	28 November 2018		
CityFibre	Telecom	28 November 2018		Website used.
Energetics	Gas, Electric	28 November 2018		
GTT - Vtesse	Telecom	28 November 2018		
Instalcom - [CenturyLink, Global Crossing, Fibernet & Fiberspan]	Telecom	28 November 2018		
Network Rail	Rail	28 November 2018		
Plancast - [Interoute]	Telecom	28 November 2018		
SKY Telecommunications Services	Telecom	28 November 2018		
SSE	Telecom, Gas, Electric, Water, Sewerage, Steam	28 November 2018		Website used.
Trafficmaster	Highways	28 November 2018		Website used.
Verizon	Telecom	28 November 2018		
Virgin Media	Telecom	28 November 2018		
Vodafone	Telecom	28 November 2018		

Checked and Validated By AF

Date 28 November 2018



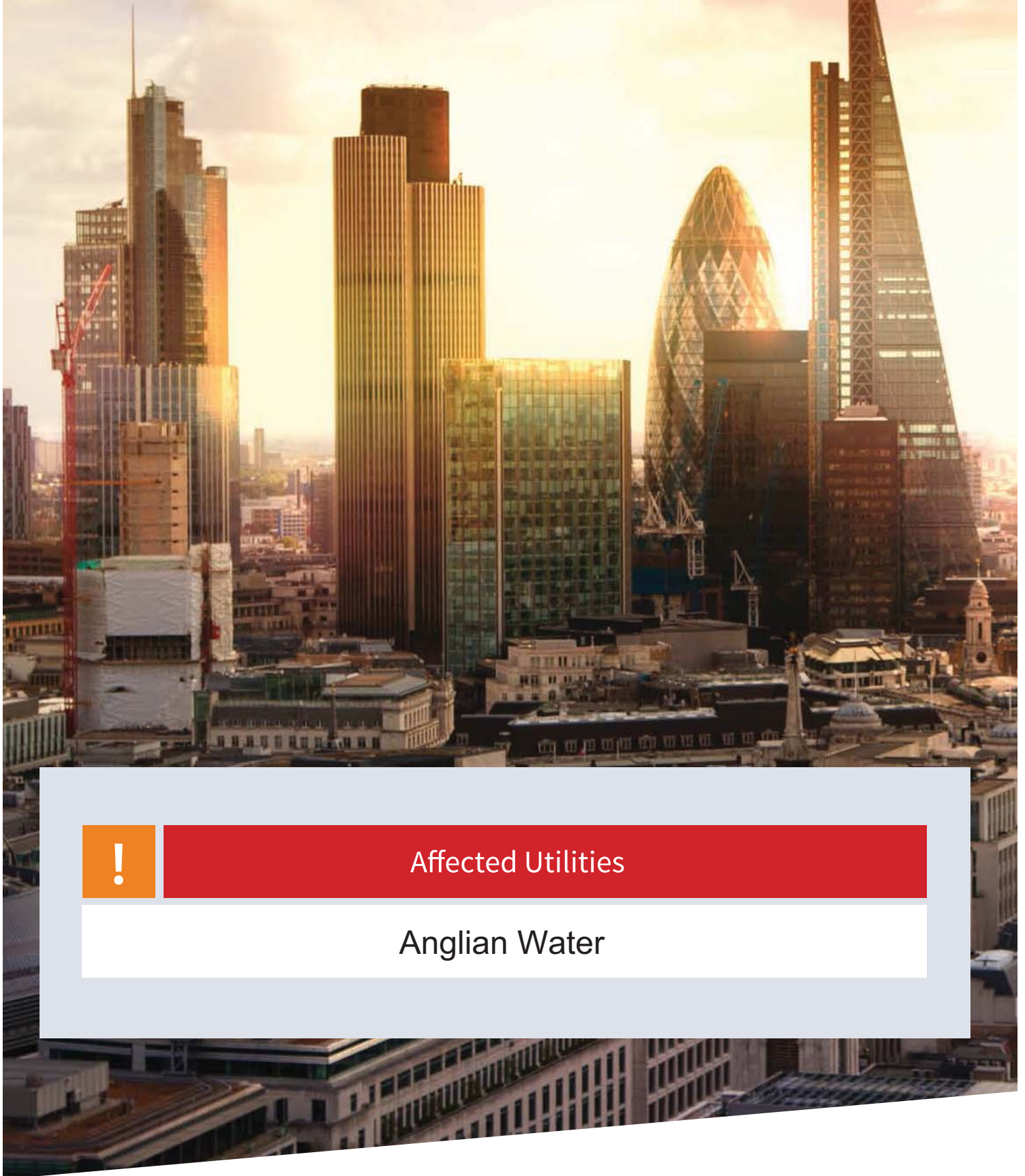
## Definition of Terms

**Affected** - Utility supplier is expected to be affected by any work carried out in the area searched as their records indicate their plant is in or close to the area searched. It is recommended to anybody carrying out works in the area that they should consult with the utility company as soon as possible and in any event prior to carrying out any works.

**No Response Received** - At the date of sending the report no response has been received from the utility supplier.

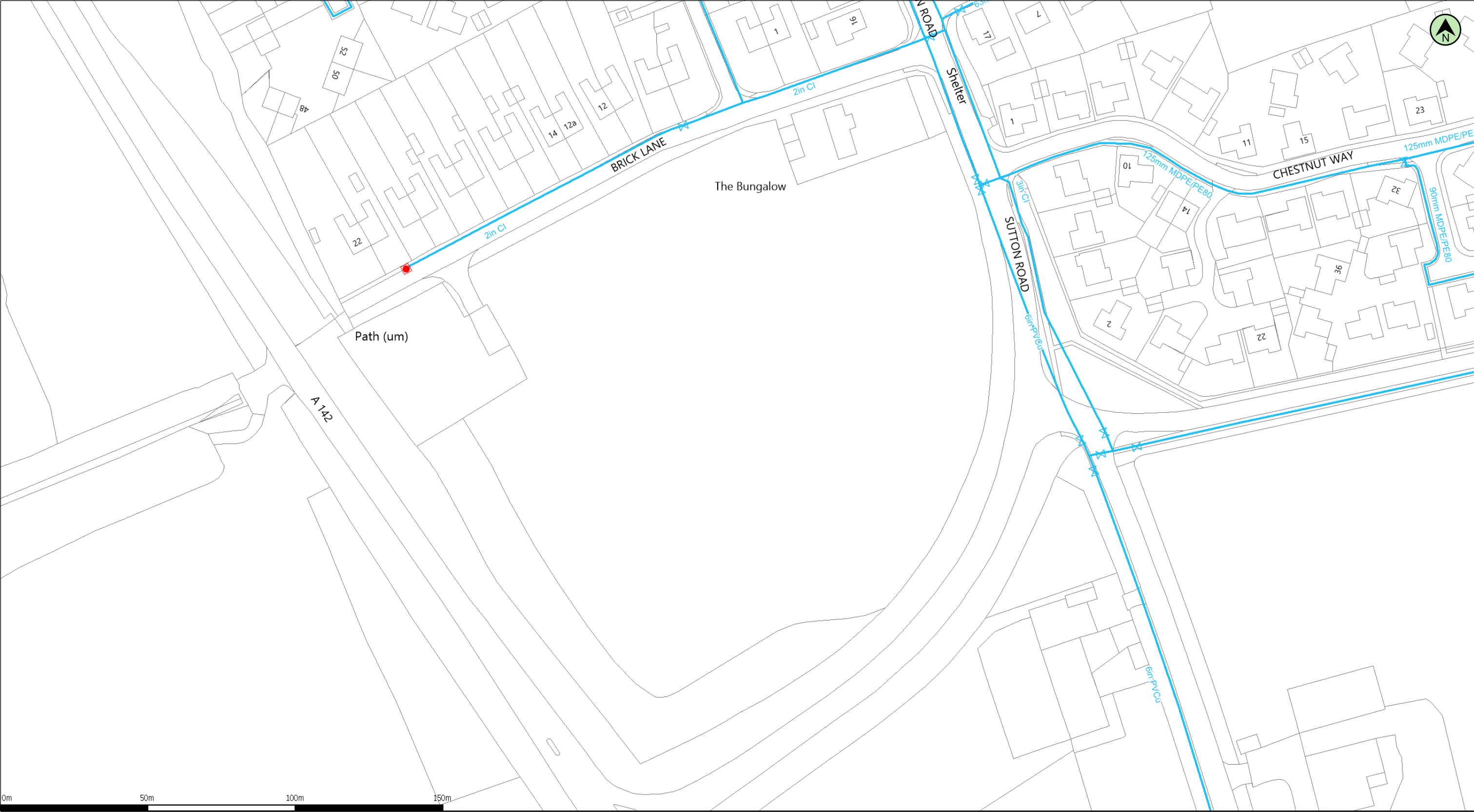
**Not Affected** - Utility supplier is not expected to be affected by any work carried out in the area searched as their records indicate their plant is not in or close to the area searched.

# Utilities Report



Affected Utilities

Anglian Water



(c) Crown copyright and database rights 2018 Ordnance Survey 100022432

Date: 07/11/18

Scale: 1:1250

Map Centre: 544150,280500

Data updated: 04/09/18

Our Ref: 286970 - 1

Clean Water Plan A3

This plan is provided by Anglian Water pursuant its obligations under the Water Industry Act 1991 sections 198 or 199. It must be used in conjunction with any search results attached. The information on this plan is based on data currently recorded but position must be regarded as approximate. Service pipes, private sewers and drains are generally not shown. Users of this map are strongly advised to commission their own survey of the area shown on the plan before carrying out any works. The actual position of all apparatus MUST be established by trial holes. No liability whatsoever, including liability for negligence, is accepted by Anglian Water for any error or inaccuracy or omission, including the failure to accurately record, or record at all, the location of any water main, discharge pipe, sewer or disposal main or any item of apparatus. This information is valid for the date printed. This plan is produced by Anglian Water Services Limited (c) Crown copyright and database rights 2018 Ordnance Survey 100022432. This map is to be used for the purposes of viewing the location of Anglian Water plant only. Any other uses of the map data or further copies is not permitted. This notice is not intended to exclude or restrict liability for death or personal injury resulting from negligence.

Potable Water

Raw Water

Decommissioned Water



Fitting



Hydrant



stat.payments@atkinsglobal.com

70662

CHECKED







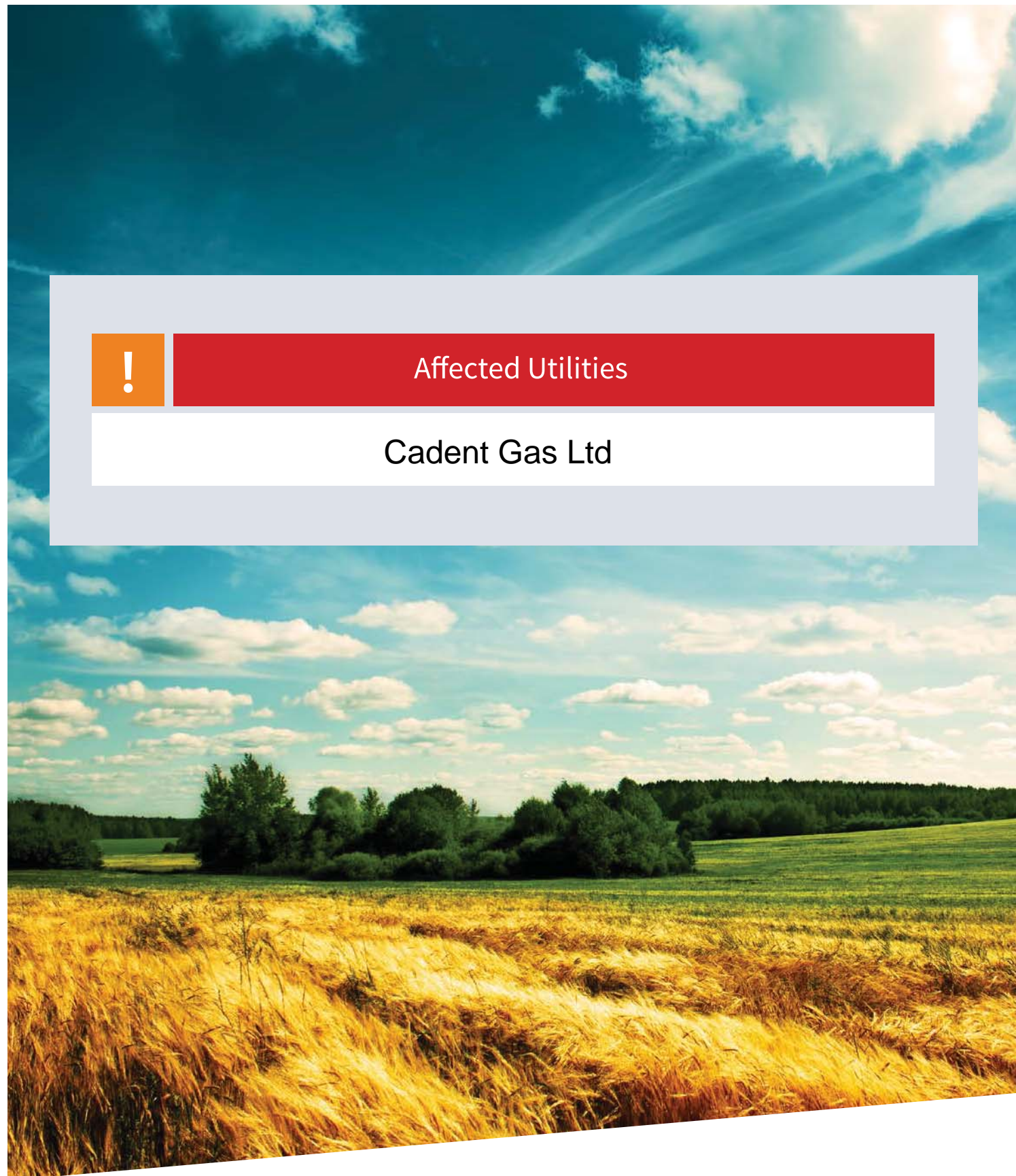


# Utilities Report

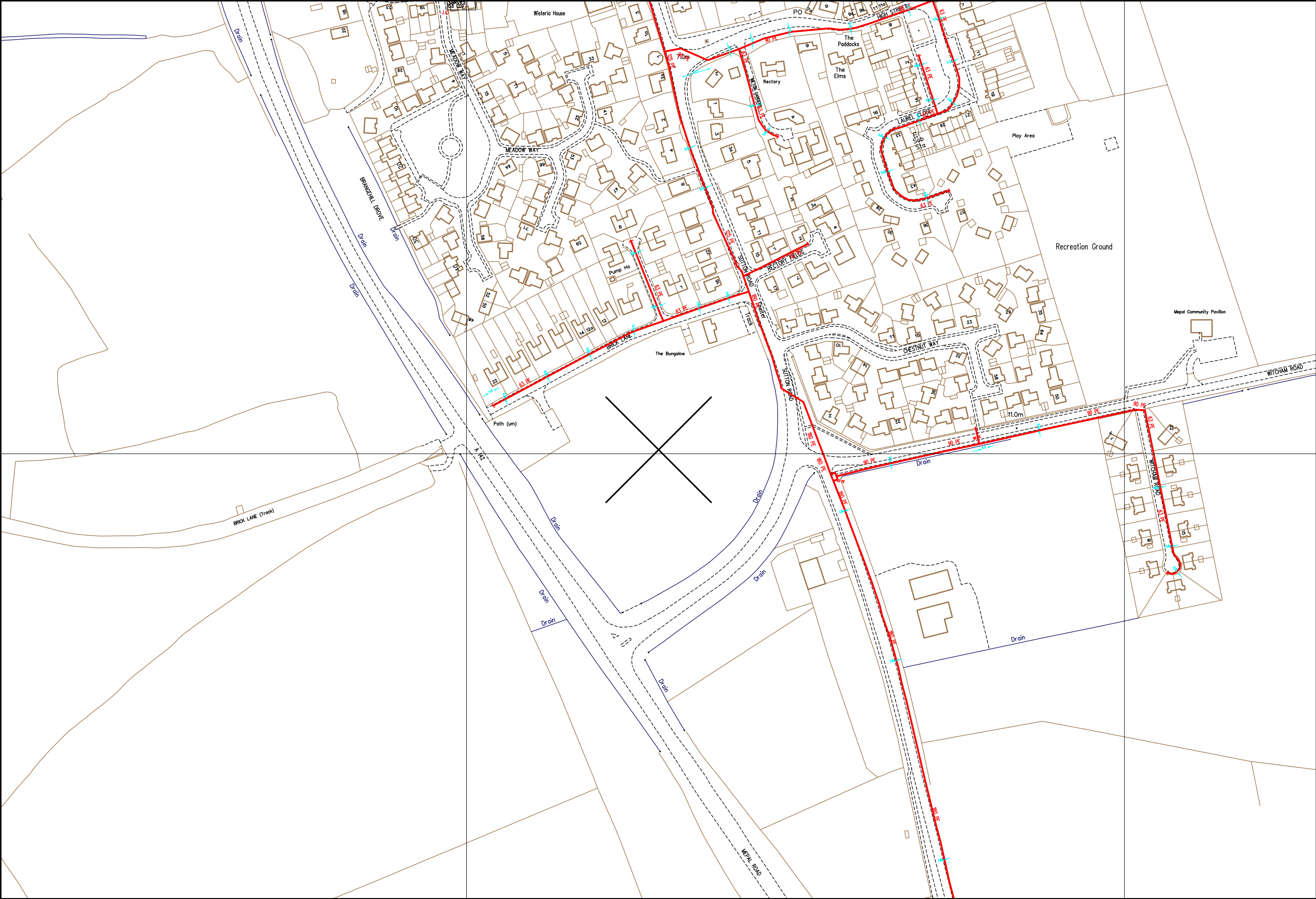


## Affected Utilities

Cadent Gas Ltd







SCALE: Not to scale	LP MAINS	
USER ID: BASA4794	MP MAINS	
DATE: 16/11/2018	IP MAINS	
EXTRACT DATE: 31/08/2018	LHP MAINS	
MAP REF: TL4480	NHP MAINS	
CENTRE: 544146, 280503		

Some examples of Plant Items:

Valve		Depth of Cover		Syphon		Diameter Change		Material Change	
-------	--	----------------	--	--------	--	-----------------	--	-----------------	--

This plan shows those pipes owned by National Grid Gas plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Gas 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 mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.

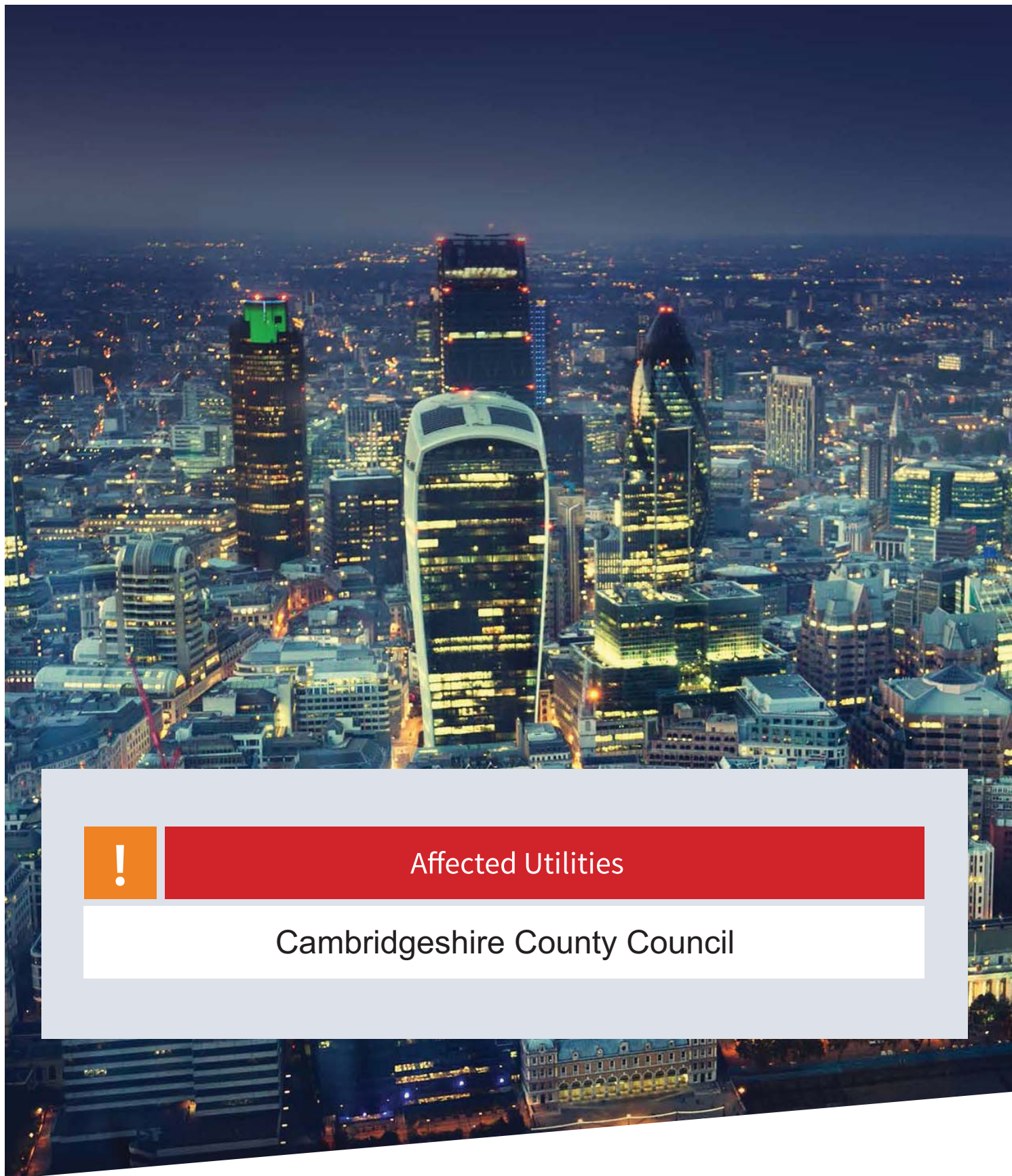
CHECKED

MAPS Viewer Version 5.6.7.0

Local Machine

This plan is reproduced from or based on the OS map by National Grid Gas plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved.

# Utilities Report



Affected Utilities

Cambridgeshire County Council



CHECKED

Menu



Home > My Cambridgeshire

# My Cambridgeshire

My House




My Nearest

My Maps

 Current address [1 Brick Lane, Mepal, CB6 2AH](#)

Change

Remove

+ Leisure and Culture	0/14	<input type="checkbox"/>
+ NHS Choices	0/5	<input type="checkbox"/>
+ Schools and Learning	0/8	<input type="checkbox"/>
+ Early Learning and Childcare Providers	0/9	<input type="checkbox"/>
+ Transport and Streets	0/18	<input type="checkbox"/>
+ Highways Schemes	0/11	<input type="checkbox"/>
- Street Lights	3/3	<input checked="" type="checkbox"/>
Street Lights		<input checked="" type="checkbox"/>
		
District or Parish light maintained by Balfour Beatty		<input checked="" type="checkbox"/>
		
District or Parish light not maintained by Balfour Beatty		<input checked="" type="checkbox"/>
		



**From:** Joyce Pam <Pam.Joyce@cambridgeshire.gov.uk>  
**Sent:** 06 November 2018 17:49  
**To:** Highways Asset Management; Searches  
**Cc:** Utility Solutions GDC Requests  
**Subject:** FW: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018  
**Attachments:** Site Details.pdf

Hi All

Please see request for details of our equipment in the mapped area – as far as I know we only have routine drainage system of pipes and gullies within the marked area but if you know of anything else Atkins need to be aware of please advise direct.

Thanks

Pam

Mrs Pam Joyce  
Local Highway Officer

Direct Line: 01354 750051  
Mobile: 07824 569 553

---

**From:** Street Works  
**Sent:** 06 November 2018 12:07  
**To:** Hitch Alan <Alan.Hitch@cambridgeshire.gov.uk>; Joyce Pam <Pam.Joyce@cambridgeshire.gov.uk>; Signals <signals@cambridgeshire.gov.uk>  
**Cc:** 'requests.utilitysolutions@atkinsglobal.com' <requests.utilitysolutions@atkinsglobal.com>  
**Subject:** FW: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Hi

Please see email below and advise Utility Solutions directly.

Please note: all our up to date forms are on our website, please see link below  
<https://www.cambridgeshire.gov.uk/residents/travel-roads-and-parking/roads-and-pathways/highway-licences-and-permits/>

Regards

**Sharon Cannon**  
**Street Works Officer**

Highways Service  
Cambridgeshire County Council

Tel 01480 372444

**From:** Signals <signals@cambridgeshire.gov.uk>  
**Sent:** 06 November 2018 18:38  
**To:** Utility Solutions GDC Requests  
**Subject:** FW: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018  
**Attachments:** Site Details.pdf

Hi,

There are no traffic signals in this area.

Kind Regards,

**Clare Andrew**  
Engineer  
Signals and Systems Team

Highways Service – P&E  
Cambridgeshire County Council  
T: 01223 715911

Working Hours: Mon-Thu 7:30am-2pm

---

**From:** Street Works  
**Sent:** 06 November 2018 12:07  
**To:** Hitch Alan <Alan.Hitch@cambridgeshire.gov.uk>; Joyce Pam <Pam.Joyce@cambridgeshire.gov.uk>; Signals <signals@cambridgeshire.gov.uk>  
**Cc:** 'requests.utilitysolutions@atkinsglobal.com' <requests.utilitysolutions@atkinsglobal.com>  
**Subject:** FW: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Hi

Please see email below and advise Utility Solutions directly.

Please note: all our up to date forms are on our website, please see link below  
<https://www.cambridgeshire.gov.uk/residents/travel-roads-and-parking/roads-and-pathways/highway-licences-and-permits/>

**Regards**

**Sharon Cannon**  
Street Works Officer

Highways Service  
Cambridgeshire County Council

Tel 01480 372444



# Utilities Report



Affected Utilities

Environment Agency

**From:** Enquiries, Unit <enquiries@environment-agency.gov.uk>  
**Sent:** 07 November 2018 16:49  
**To:** Utility Solutions GDC Requests  
**Subject:** RE: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Dear Customer,

You may need an environmental permit if you intend to carry out work in, under, over or near to a main river flood or sea defence. You can find more information about this at:

<https://www.gov.uk/guidance/flood-risk-activities-environmental-permits>

Although the Environment Agency is classed as a statutory undertaker for certain purposes, we do not generally have plant equipment or pipelines situated in the public highway.

We have drafted this reply without conducting a specific search of our records. We ask that you make the necessary checks and if you have reason to think that your proposal will affect land or equipment which we own or is close to a watercourse as defined above, please resubmit your enquiry making this clear in your reply.

Kind Regards

Paul Norris

Environment Agency - Incident Communication Service  
Part of National Operations

\* Mail To: [incident\\_communication\\_service@environment-agency.gov.uk](mailto:incident_communication_service@environment-agency.gov.uk)

( Incident Hotline: 0800 807060

7 Fax: 0800 5876032

: Web Site: [www.gov.uk/environment-agency](http://www.gov.uk/environment-agency)

Environment Agency, Quadrant 2, 99 Parkway Ave, Parkway Business Park, Sheffield, S9 4WG

Click an icon to keep in touch with us:-



---

**From:** Utility Solutions GDC Requests [mailto:requests.utilitysolutions@atkinsglobal.com]  
**Sent:** 06 November 2018 12:03  
**To:** [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com); [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com); Enquiries, Unit <enquiries@environment-agency.gov.uk>; [plantenquiries@instalcom.co.uk](mailto:plantenquiries@instalcom.co.uk); [opburiedservicesenquiries@networkrail.co.uk](mailto:opburiedservicesenquiries@networkrail.co.uk); [assetrecords@utilityassets.co.uk](mailto:assetrecords@utilityassets.co.uk); [interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [nrswa@sky.uk](mailto:nrswa@sky.uk); [osp-team@uk.verizon.com](mailto:osp-team@uk.verizon.com); National Plant Enquiry's <OSM.enquiries@atkinsglobal.com>  
**Subject:** Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Our Reference: 70662

Site Name: Site at Brick Lane, Mepal, Ely

Works Description: Development Appraisal

Site Grid References: 544152 280502,544241 280538,544036 280486,544217 280619,544122 280385

To whom it may concern,



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-  ensure that your use of the Information does not breach the Data Protection Act 1998 or the Privacy and Electronic Communications (EC Directive) Regulations 2003

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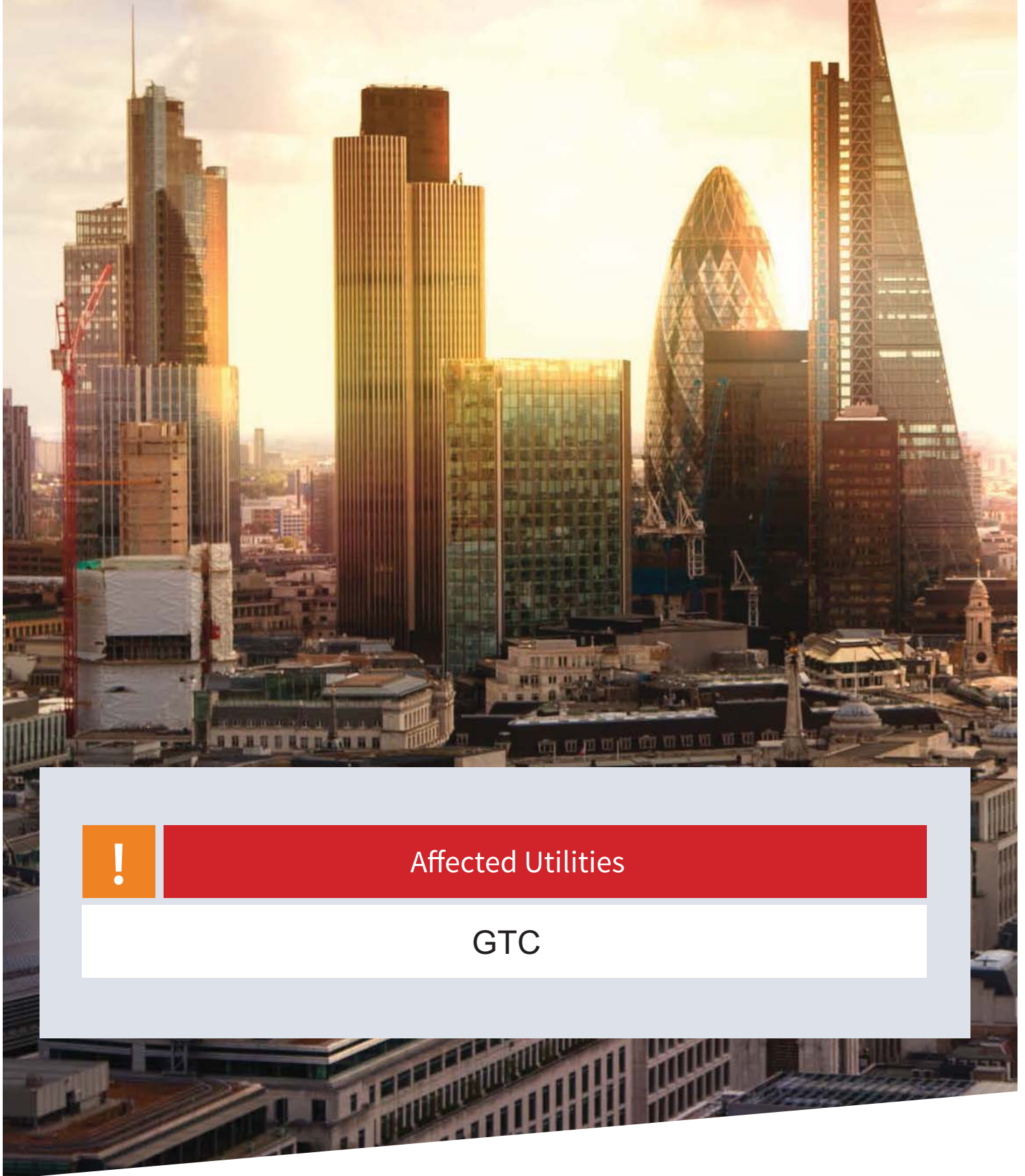
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- internal use for any purpose, or offering a product or service based on the Information for indirect commercial advantage, by an organisation that is primarily engaged in trade, commerce or a profession.

# Utilities Report



CHECKED

**From:** plantenquiryservice@gtc-uk.co.uk  
**Sent:** 06 November 2018 17:25  
**To:** Utility Solutions GDC Requests  
**Subject:** GTC Plant Enquiry - Ref- 826687  
**Attachments:** 826687.png; GU-DPR-IG-0022 Safe working in the vicinity of utility networks.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

### **Warning: GTC Apparatus Exists in This Area**

**Our Plant Enquiry Service Ref: 826687**  
**Your Enquiry Ref: LM 70662/SuC**

Dear Chrissy,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. For your records, the search area is shown in the attached map.

Please click on the links below to download copies of the relevant utility asset drawings locating our assets in the area which you identified. These drawings are grouped by our relevant network reference, should you need to contact us regarding any of our networks please quote this reference. Links to files will remain live for 10 days. If you do not download these files within this period you will need to submit a new enquiry – this will ensure you have an up-to-date copy of our asset records.

**PLEASE NOTE:** Where drawings are large, these have been provided in smaller segments. A drawing index is provided as the first file listed for each network reference (example of a network reference: N1234567) shown below. This is intended to help you find the drawing relevant to you more quickly. Please take care to ensure that you use the relevant drawings for every network listed below as we may have multiple networks and multiple utilities in this area.

#### **N0007179**

##### **Gas**

- [N0007179-1\\_1\\_of\\_1.png](#)

This information is for guidance only and the precise position of the plant must be established, prior to your works, using hand-digging methods only. The contractor will be held responsible for any damage caused to our asset. 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.

All works in the vicinity of our networks should be undertaken in accordance with the attached document "GU-DPR-IG-0022: Safe working in the vicinity of utility networks". Reference should also be made to HSG47 Avoiding Danger from Underground Services.

**Important: The area of your proposed works may contain gas mains operating at Medium and Intermediate Pressure tiers or electric cables operating at High Voltage – please refer to the network drawings included with this email. If your proposed works are likely to involve excavation within 10 metres of any of these assets, including but not limited to gas governors and electric substations you MUST inform GTC Plant Enquiries by calling 01359 240363 and quoting your Plant Enquiries Service Reference number.**

**Important: Drawings provided by this service may include utility assets not owned or managed by GTC. Conversely our drawings will NOT display assets from all third parties. It is your responsibility to ensure you have requested information from all utility asset owners.**

**Gas Escape or Damage MUST be reported on 0800 111 999. National Grid / DNGT will attend to make safe and repair.**

**Electricity Network Damage MUST be reported to ENC on 0800 032 6990.**

**Water Network Damage MUST be reported to IWNL on 02920 028 711**

**Fibre Network Damage MUST be reported to IFNL on 0845 051 1669**

**Thank you for using the GTC Plant Enquiries Service.**

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:**

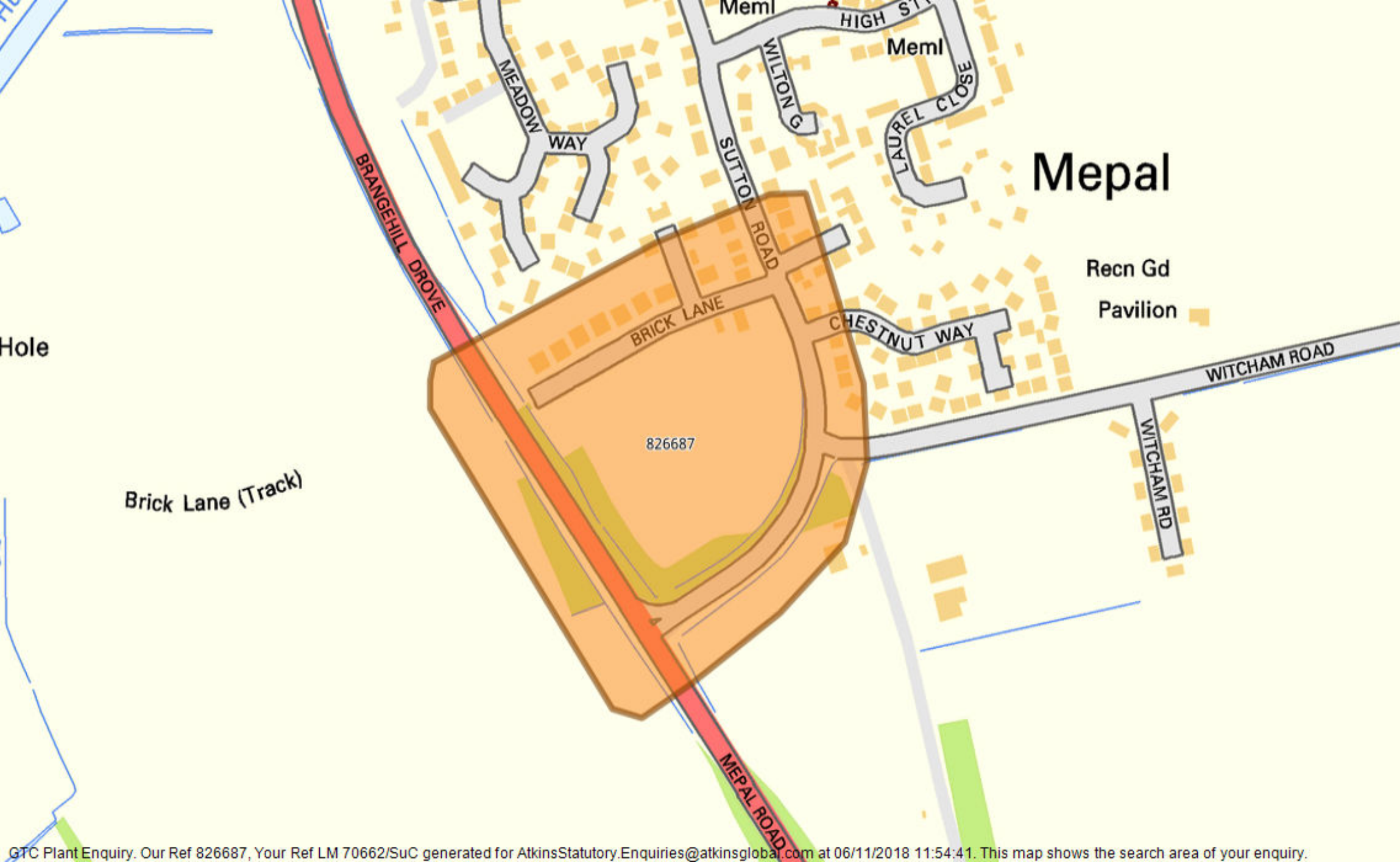
This E-Mail originates from GTC, Energy House, Woolpit Business Park, Woolpit, Bury St Edmunds, Suffolk, IP30 9UP

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

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## SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

### General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE in their document HSG47 "Avoiding Danger from Underground Services", ISBN 0-7176-1744-0. No party should carry out any excavation works or other intrusive works such as piling, blasting or demolition without following the guidance in HSG47.
2. We own gas, electricity, water and fibre apparatus located in the highway, private property and through the countryside. Some plant may be located in land for which a wayleave or easement has been granted & there may be no surface evidence of the presence of apparatus.
3. Ensure that you have obtained detailed plans of existing and proposed gas, electricity water and fibre networks.
4. The position of the networks should be pinpointed as accurately as possible by reference to the plans and by means of a locating device, which has been tested and calibrated within the last twelve months.

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

5. Hand-held power tools can damage buried apparatus and should be used with care until the exact position has been determined. They may only be used to break a paved or concrete surface above the network, unless there are any indications that the network is particularly shallow, in such circumstances, accuracy of plant location is determined and excavation initiated adjacent to the apparatus.
6. No manhole, chamber or other structure should be built over, around or under the network. Such structures, other pipes, ducts and cables should be laid to provide a minimum clearance from the network of 300mm or 1.5 times the diameter of the network, whichever is the greater. No work should be carried out if this minimum clearance cannot be met or which results in a reduction of cover or protection over the network, without first consulting GTC.
7. Where an excavation uncovers a network apparatus the backfill should be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network should be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and should be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction should take place until 200mm cover of selected fine fill has been suitably compacted by hand tools.



8. If the road construction is close to the top of the network, GTC should be asked about necessary precautions. The road construction depth should not be reduced without permission from the local Highway Authority.
9. Costs incurred by GTC through direct or consequential damage will be recharged.

### **Precautions for Gas Networks**

10. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed.
11. The depth of cover for gas mains is normally 750mm in carriageways and grass verges and 600mm in footways. The depth of cover for gas services is normally 450mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
12. Plastic gas pipes should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
13. The danger created by damaging a gas pipe with an excavator is much greater than if the damage is done with a hand-held power tool (the opposite is true for work near electricity cables and this is reflected in the different safe digging practices). Gas pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 500mm of a gas pipe.
14. If a gas leak is suspected, the following action should be taken immediately:
  - Remove all people from the immediate vicinity of the escape. If the service connection to a building or the adjacent main has been damaged, warn the occupants to leave the building, and any adjoining building, until it is safe for them to return. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building. Gas leaking from the damage inside or gas travelling along the line of the service connection pipe from outside the building may cause a build-up of gas within the building.
  - Prohibit smoking, and extinguish all naked flames and other sources of ignition i.e. stop excavator and compressor engines within at least 5.0m of the leak.
  - Inform National Grid by dialling **0800 111 999**
  - Remain on site.
  - Assist National Grid staff, Police or Fire Services as requested.
15. Where gas pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the gas pipe or cause excessive loading over the gas pipe then GTC must be consulted.

16. No concrete or other hard material should be placed or left under or adjacent to any gas pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a gas pipe.
17. Where an excavation uncovers a gas pipe with a damaged wrapping, GTC should be told, so that repairs can be made to prevent future corrosions and leakage.
18. Pipe restraints or thrust blocks close to gas mains should never be removed.
19. Anyone who carries out work near underground gas plant should observe any specific requirements made by the site manager, and ensure that access to the plant by National Grid Gas and GTC staff is available at all times. No unauthorised repairs to gas pipes should be made.
20. Where excavation is within 5 metres proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small impulse pipe work that is more susceptible to damage.
21. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.
22. GTC should be consulted if it is intended to carry out any of the following activities:
  - using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment
  - piling or boring within 15m of gas plant
  - excavating within 10m of pressure reduction equipment
  - reducing the cover or protection of a gas pipe
  - carrying out nearby deep excavations
  - working near our intermediate pressure (IP) mains.

### **Precautions for Electricity Networks**

23. Plans do not always show the presence of electric service cables (from the electricity main to premises) but their existence should be assumed.
24. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried cable. Even if no cables are shown on plans or detected by a locator, there may still be cables present, which could be live and a close watch should be kept for any signs which could indicate their presence such as marker tape, tape tile, concrete tiles and wooden battens. Any marker which is disturbed by our excavations must be replaced once work is completed.
25. Typically underground cables are laid in trenches between 450mm and 1.0m deep, although some high voltage cables will be deeper, however, depths should never be assumed.
26. A cable is positively located only when it has been safely exposed. Even then, digging should still proceed with care as there may be other cables adjacent or lower down.

27. Occasionally, cables are terminated in the ground by means of a seal, sometimes with external mechanical protection. These “pot ended” or “bottle ended” cables should be treated as live and should not be assumed to be abandoned or disused. They can be difficult to detect with locators even when “live”.
28. Using hand held power tools to break up hard surfaces often leads to accidents. Where practicable, such power tools should only be used 500mm or more away from the indicated line of a cable buried in or below a hard surface. Having done so, the cable should then be positively located by careful hand digging under the hard surface. The hard surface should be gradually removed until the cable is exposed. If the cable is not exposed then it must be assumed to be embedded within the surface. Where possible a cable locator should be used as a depth guide down the side of the excavation.
29. Because of the difficulty in confirming depth, hand held power tools should never be used over the cable unless either:
  - the cable has already been exposed by digging under the surface to be broken out and it is at a safe depth (at least 300mm) below the bottom of the hard surface material; or
  - physical precautions have been taken to prevent the tool striking the cable.
30. Excavating close to electricity cables buried in concrete is dangerous and should not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.
31. Using mechanical means to break up concrete can cause damage to cables and if the cable is live, anyone present is likely to be injured.
32. Where mechanical excavators are used in the possible vicinity of underground cables, the work should be arranged so that damage to cables is avoided so far as is reasonably practicable and so that everyone is kept well clear of the excavator bucket while it is digging. Drivers should have been instructed to stay in the cab if a cable is struck. If they have to leave the cab, they should jump clear. If drivers climb down, they may be electrocuted. When a cable is struck, a watch should be kept on the machine and no one should go down into the excavation or approach the mechanical excavator or the cable until GTC are contacted and arranged for the damaged cable to be made safe.
33. Where cables have been exposed:
  - any damage should be reported to GTC immediately on **0800 032 6990** and work should not be undertaken in the vicinity of a damaged cable until GTC has investigated its condition;
  - for more than 1.0m and they cross a trench, support should be provided. If the exposed cable length is shorter than 1.0m support should still be considered if joints have been exposed or the cable appears otherwise vulnerable to damage. Where advice and help is needed contact GTC;

- Suitable precautions should be taken to prevent damage from on-going work in the excavation. This may involve for example the use of physical means (e.g. timber boards, sandbags etc) to prevent mechanical damage. Materials or equipment which could damage or penetrate the outer sheath of the cable should not be used. Cables lying in the bottom of an excavation are particularly vulnerable and should be protected by nail free wooden planks, troughing or other suitable means;
  - cables should not be moved aside unless the operation is supervised by GTC;
  - Precautions should be taken to prevent access by members of the public.
34. GTC should be consulted if it is intended to carry out any of the following activities:
- using explosives within 30m of plant or substations piling or boring within 15m of electric plant
  - excavating within 10m of a substation
  - carrying out nearby deep excavations
  - working near our HV plant.

### **Precautions for Water Networks**

35. Plans do not always show the presence of water service pipes (from the water main to premises) but their existence should be assumed.
36. The depth of cover for water mains is normally 750mm in carriageways and grass verges and 750mm footways. The depth of cover for water services is normally 450mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
37. Water mains should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
38. The danger created by damaging a water pipe with an excavator is much greater than if the damage is done with a hand-held power tool (the opposite is true for work near electricity cables and this is reflected in the different safe digging practices). Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 500mm of a water pipe.
39. If a water leak is suspected, the following action should be taken immediately:
- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
  - Shut down all working plant and machinery in the vicinity of the damage

- Inform IWNL by dialling **02920 028 711**.
  - Remain on site.
  - Do not attempt to make a repair.
  - Assist GTC, approved contractors and Police or Fire Services as requested.
40. Where water pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the water pipe or cause excessive loading over the water pipe then GTC must be consulted.
41. No concrete or other hard material should be placed or left under or adjacent to any water pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a water pipe.
42. Where an excavation uncovers a water pipe with a damaged wrapping, GTC should be told, so that repairs can be made to prevent future corrosion and leakage.
43. Pipe restraints or thrust blocks close to water mains should never be removed.
44. Anyone who carries out work near underground water plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to water pipes should be made.
45. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.
46. GTC should be consulted if it is intended to carry out any of the following activities:
- using explosives within 30m of plant
  - piling or boring within 15m of water plant
  - excavating within 10m of water asset structures
  - reducing the cover or protection of a water main or service
  - carrying out nearby deep excavations

### **Precautions for Fibre Networks**

47. Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.
48. Chambers with IFNL marked lids can be used as an onsite indicator that GTC have fibre plant deployed in a given area however an exclusion of their presence does not necessarily mean there is no plant present.

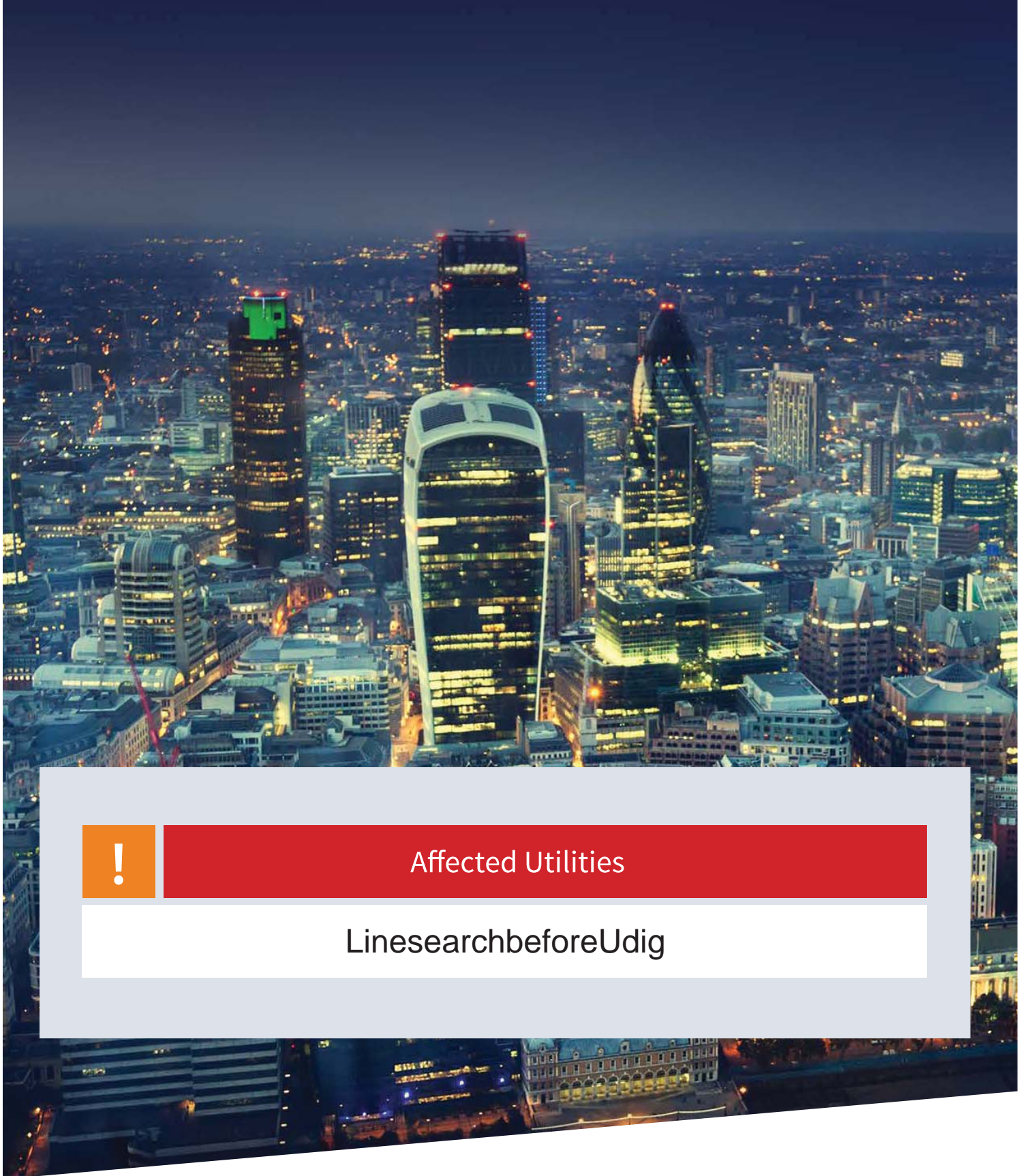
49. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried fibre duct. Even if no ducts are shown on plans there may still be ducts present which could have live fibre service installed. A close watch should be kept for any signs which could indicate duct presence such as marker tape. Any marker which is disturbed by our excavations must be replaced once work is completed.
50. The depth of cover for fibre duct is normally 350mm in footways and grass verges, 600mm in carriageways and 1000mm in agricultural deployments. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
51. Fibre ducts should be located by hand digging before mechanical excavation begins. When the positions and depth of the ducts have been determined, work can proceed. Even then, digging should still proceed with care as there may be other ducts adjacent or lower down.
52. If fibre duct damage is suspected, the following action should be taken immediately:
  - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage at the point of impact. For example, damage to a fibre connection outside the building may result in further, unseen damage to the connection inside the building.
  - Shut down all working plant and machinery in the vicinity of the damage
  - Inform IFNL NOC immediately on **0845 051 1669**.
  - Remain on site.
  - Do not attempt to make a repair.
53. Where fibre ducts cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress on the duct. For ducts parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the duct from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the fibre duct or cause excessive loading over the fibre duct then GTC must be consulted.
54. No concrete or other hard material should be placed or left under or adjacent to any fibre duct as this can cause damage to the duct at a later date. Any backfill should comply with the requirements of NRSWA. Concrete backfill should not be used within 300mm of a fibre duct.
55. Anyone who carries out work near underground fibre plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to fibre ducts should be made.
56. Where fibre ducts have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

57. GTC should be consulted if it is intended to carry out any of the following activities:

- using explosives within 30m of plant or fibre asset structures
- piling or boring within 15m of fibre plant
- excavating within 10m of fibre asset structures (including the OSCP)
- reducing the cover or protection of a fibre duct
- carrying out nearby deep excavations



# Utilities Report



Affected Utilities

LineSearchbeforeUdig

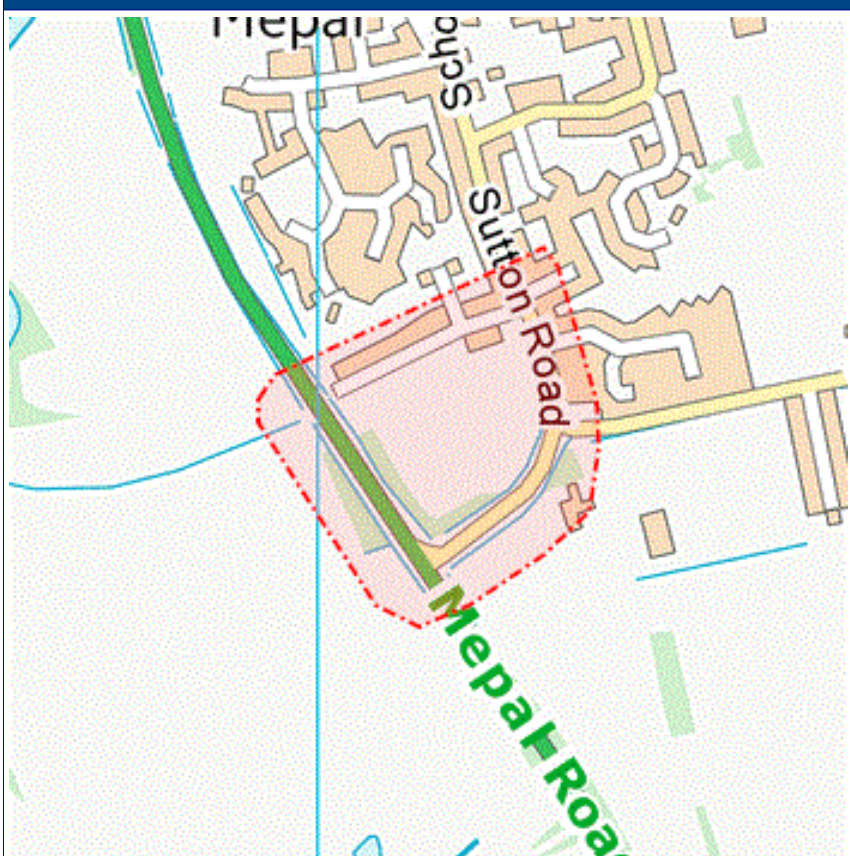
**Enquirer**

Name	Ms Christina Elliott	Phone	01454 662397
Company	Atkins	Mobile	Not Supplied
Address	500 Park Avenue Aztec West Almondsbury Bristol BS32 4RZ		
Email	stat.enquiries@atkinsglobal.com		

**Enquiry Details**

Scheme/Reference	LM 70662/SuC		
Enquiry type	Initial Enquiry	Work category	Utility Works
Start date	22/11/2018	Work type	Single excavation site
End date	22/02/2019	Site size	89804 metres square
Searched location	XY= 544150, 280500	Work type buffer*	25 metres
Confirmed location	544120 280490		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

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

**Site Map**




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

### List of affected LSBUD members

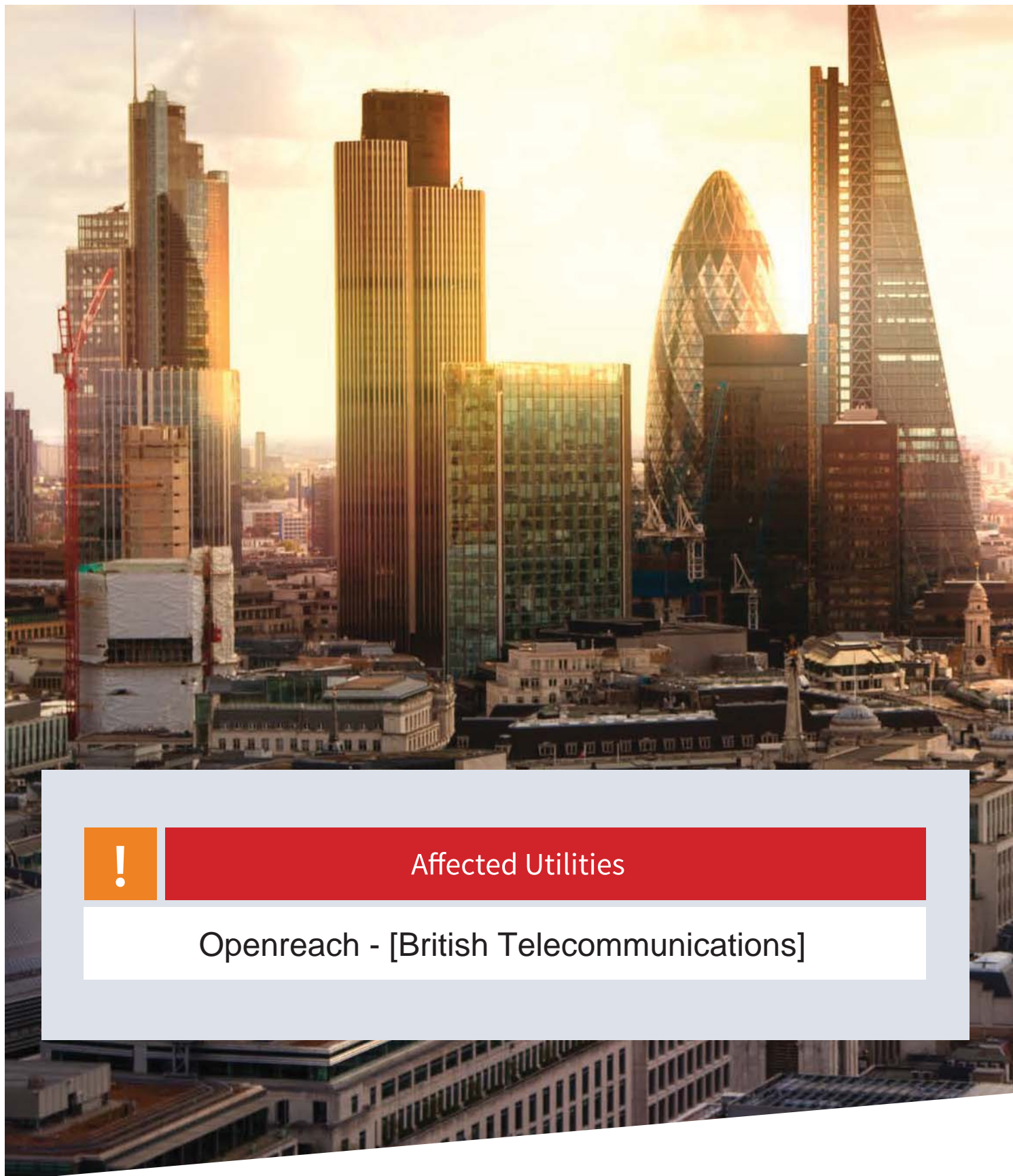
Asset Owner	Phone/Email	Emergency Only	Status
UK Power Networks	08000565866	08000565866	Await response

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

### List of not affected LSBUD members

AWE Pipeline	Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)
BP Exploration Operating Company Limited	BPA	Carrington Gas Pipeline
CATS Pipeline c/o Wood Group PSN	Cemex	Centrica Storage Ltd
CLH Pipeline System Ltd	Concept Solutions People Ltd	ConocoPhillips (UK) Ltd
DIO (MOD Abandoned Pipelines)	E.ON UK CHP Limited	EirGrid
Electricity North West Limited	ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited
EP Langage Limited	ESP Utilities Group	ESSAR
Esso Petroleum Company Limited	Fulcrum Pipelines Limited	Gamma
Gateshead Energy Company	Gigaclear PLC	Gtt
Hafren Dyfrdwy	Humbly Grove Energy	IGas Energy
INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)	INOVYN Enterprises Limited
Intergen (Coryton Energy or Spalding Energy)	Mainline Pipelines Limited	Manchester Jetline Limited
Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited
National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	Northumbrian Water Group	NPower CHP Pipelines
Oikos Storage Limited	Ørsted	Perenco UK Limited (Purbeck Southampton Pipeline)
Petroineos	Phillips 66	Premier Transmission Ltd (SNIP)
Prysmian Cables & Systems Ltd (c/o Western Link)	Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)
RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals	Scottish Power Generation
Seabank Power Ltd	Severn Trent (Chester area only)	SGN
Shell (St Fergus to Mossmorran)	Shell Pipelines	SSE (Peterhead Power Station)
Tata Communications (c/o JSM Construction Ltd)	Total (Colnbrook & Colwick Pipelines)	Total Finaline Pipelines
Transmission Capital	Uniper UK Ltd	Vattenfall
Veolia ES SELCHP Limited	Western Power Distribution	Westminster City Council
Wingas Storage UK Ltd	Zayo Group UK Ltd c/o JSM Group Ltd	

# Utilities Report



## Affected Utilities

Openreach - [British Telecommunications]



Our Ref: Ref shown on map

Date of issue: shown on map



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

Dear Customer,

**NR & SW ACT 1991 – PROPOSED WORKS AT: \*\*SITE LOCATION\*\***

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

Email the Click Before You Dig Team [CBYD@openreach.co.uk](mailto:CBYD@openreach.co.uk)

Visit the Click Before You Dig Website [www.openreach.co.uk/cbyd](http://www.openreach.co.uk/cbyd)

Thank you for your request of \*\*/\*\*/\*\* describing the above proposals.

Enclosed are copies of our drawings marked up to show the approximate locations of BT apparatus in the immediate vicinity of your works. It is intended for general guidance only. No guarantee is given of its accuracy.

The drawings are valid for 90 days from the date of issue and should not be relied upon after this time period has expired.

When planning excavation work or other works near to BT apparatus, please be mindful our apparatus may exist at various depths and may deviate from the marked route.

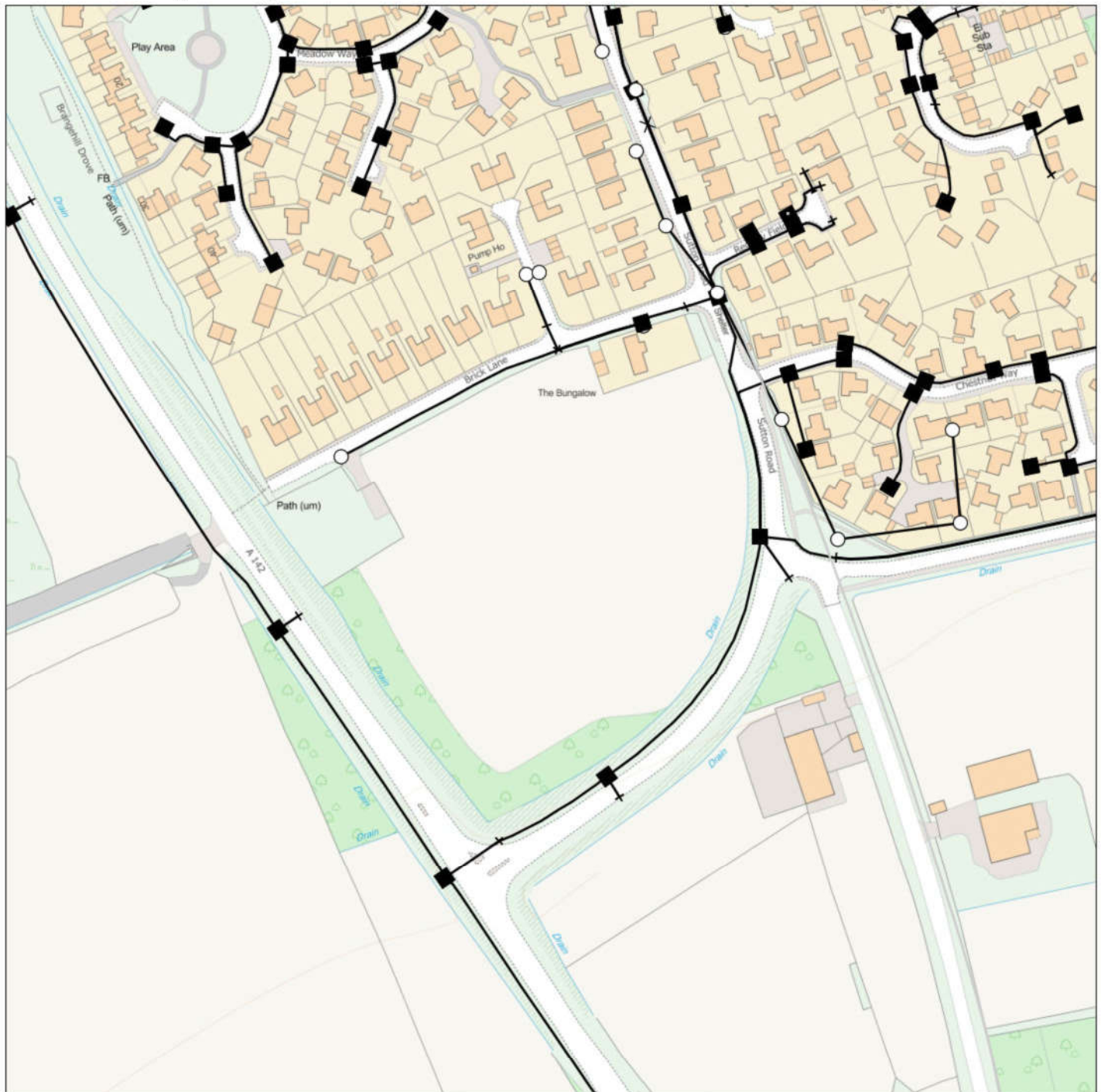
To avoid damage it is recommended that mechanical excavators or borers are not used within 600mm of BT apparatus. If scaffolding is erected, please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by the scaffolding.

In the event of BT apparatus being in the area of your works we recommend that your plant/vehicle crossing is either resited, or apply for a budget estimate by submitting detailed plans to our Network Relocation Team at <https://www.ournetwork.openreach.co.uk/altering-our-network.aspx>

Yours faithfully,

Jason Carrington  
NNHC & MBE Manager

# Maps by email Plant Information Reply



## IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy.

It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



**openreach**

### CLICK BEFORE YOU DIG

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

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

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

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

## KEY TO BT SYMBOLS

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

BT Ref : ZMZ09392P

Map Reference : (centre) TL4414680503

Easting/Northing : (centre) 544146,280503

Issued : 16/11/2018 09:39:34

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



# Utilities Report



Affected Utilities

UK Power Networks

Our Ref: 14124779      Your Ref: LM 70662/SuC

Tuesday, 06 November 2018

**CHECKED**

Christina Elliott  
500 Park Avenue Aztec West  
Almondsbury  
Bristol  
BS32 4RZ

Dear Christina Elliott

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

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

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

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

Plan Provision  
0800 056 5866





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

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

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

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

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

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



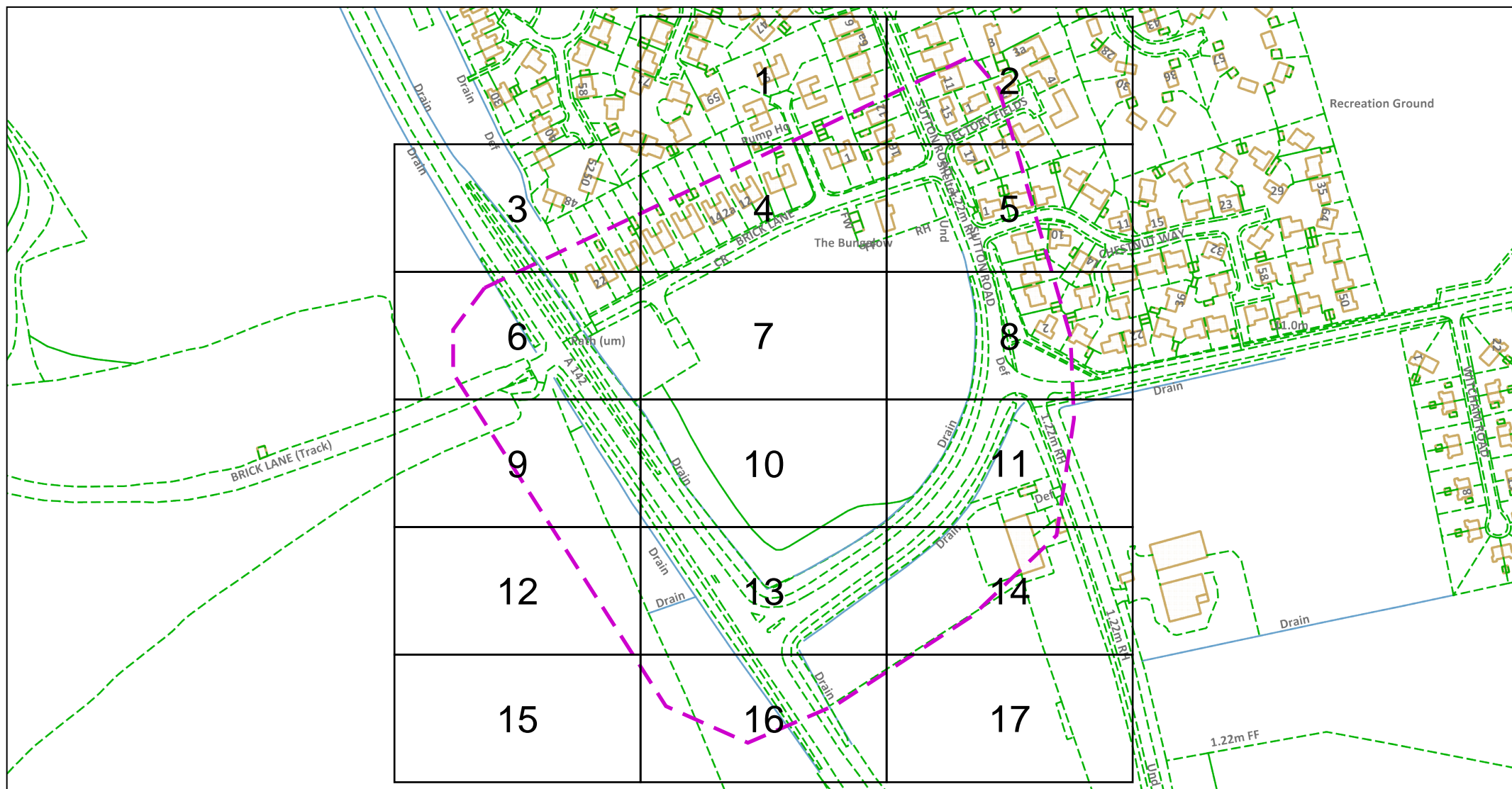
- 9 Any work near to any overhead electricity lines must be carried out by you in accordance with the Health and Safety Executive guidance document GS6 and the Electricity at Work Regulations.

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

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

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





Dig Sites Area:  Line: 

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

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

Date Requested: 06/11/2018  
Job Reference: 14124779  
Site Location: 543723 280194  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference: LM  
70662/SuC  
Scale: 1:3075 (When plotted at A4)

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

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
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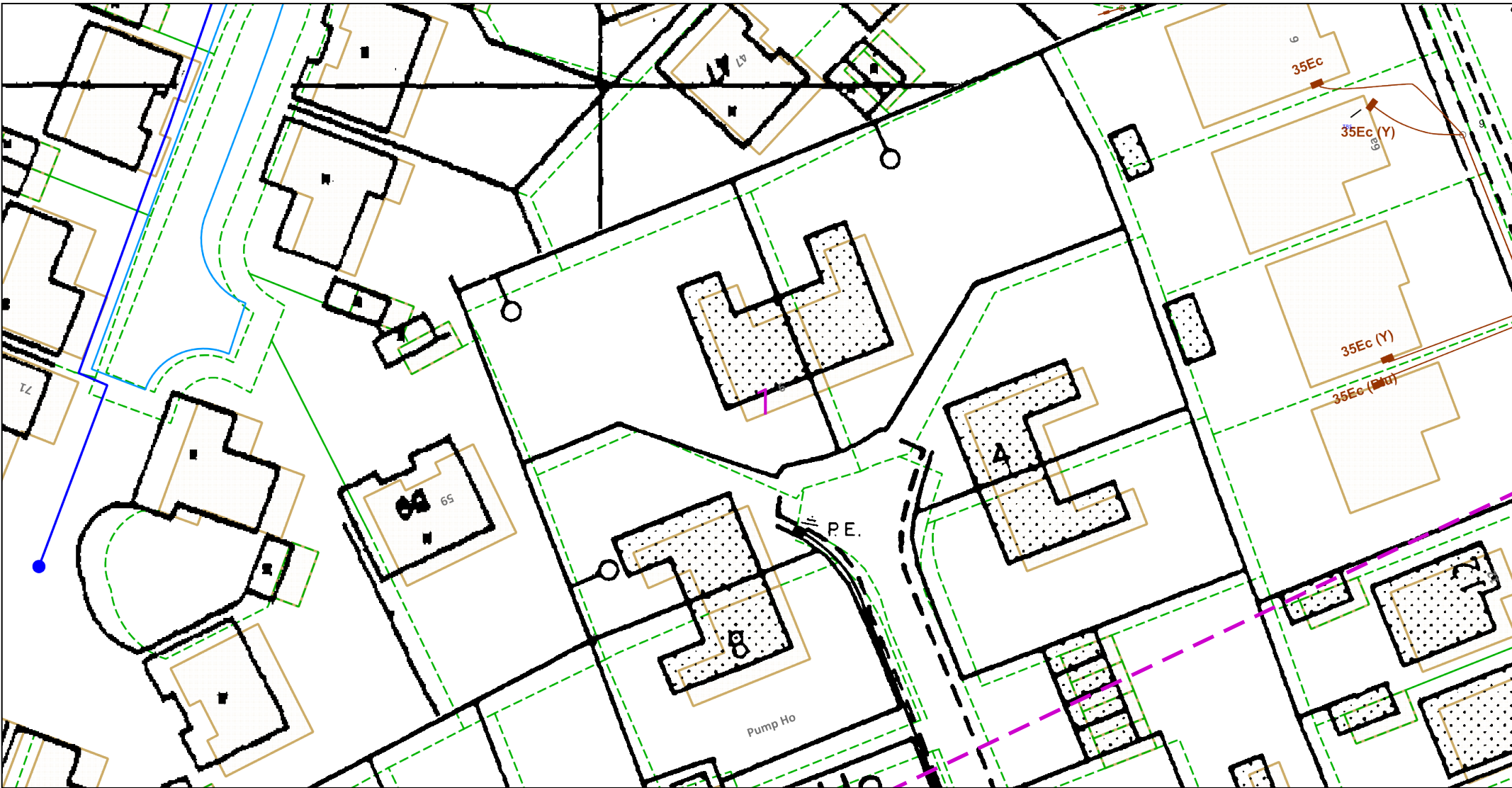
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<p>0 12.5 25 metres</p> <p><b>Dig Sites</b> Area:  Line: </p>		<p>The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.</p>					
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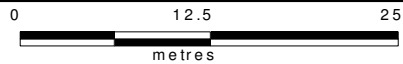
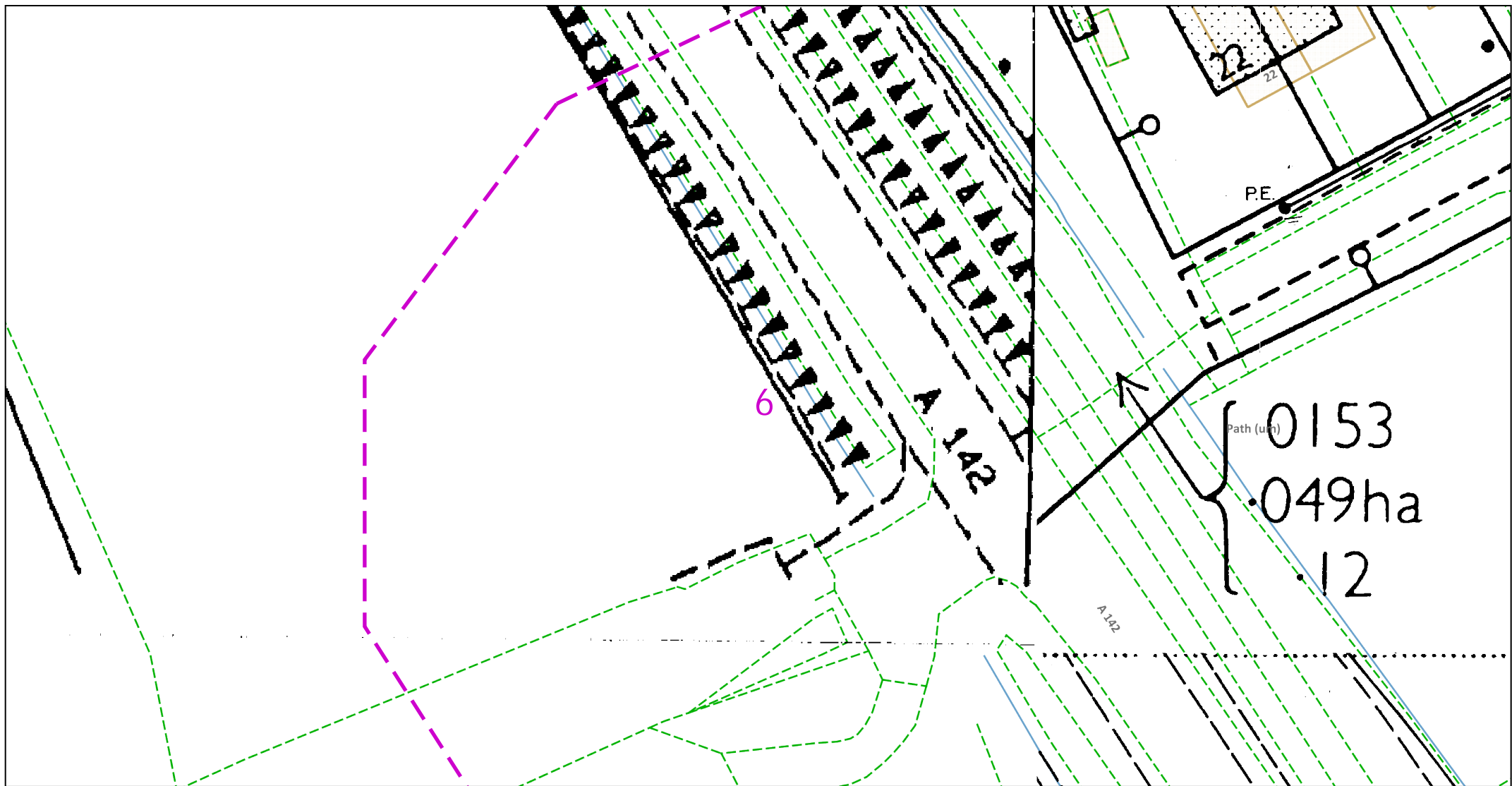












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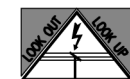
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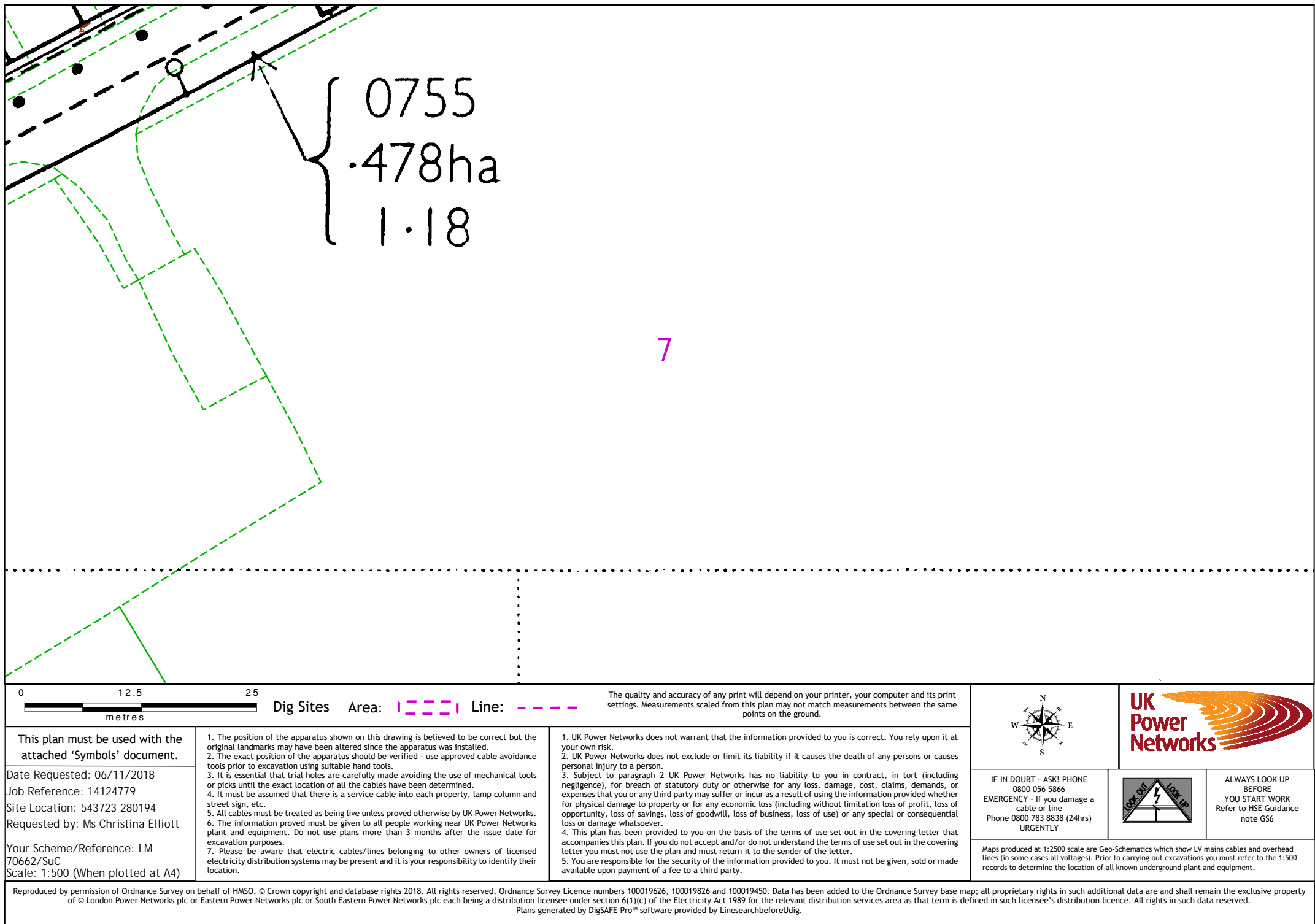
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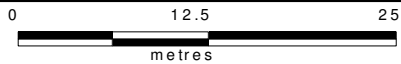
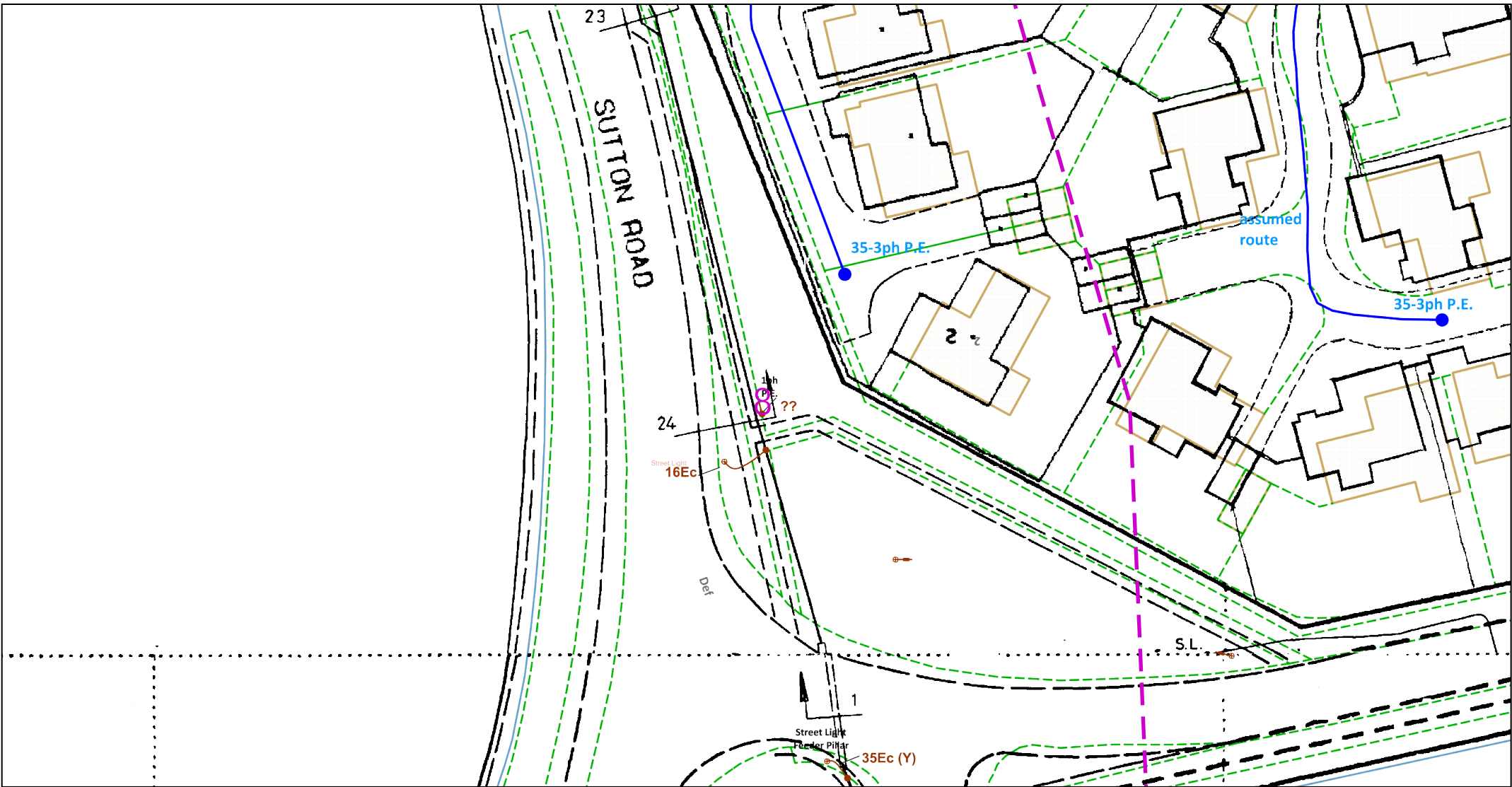
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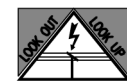
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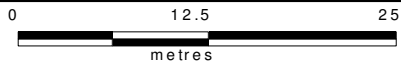
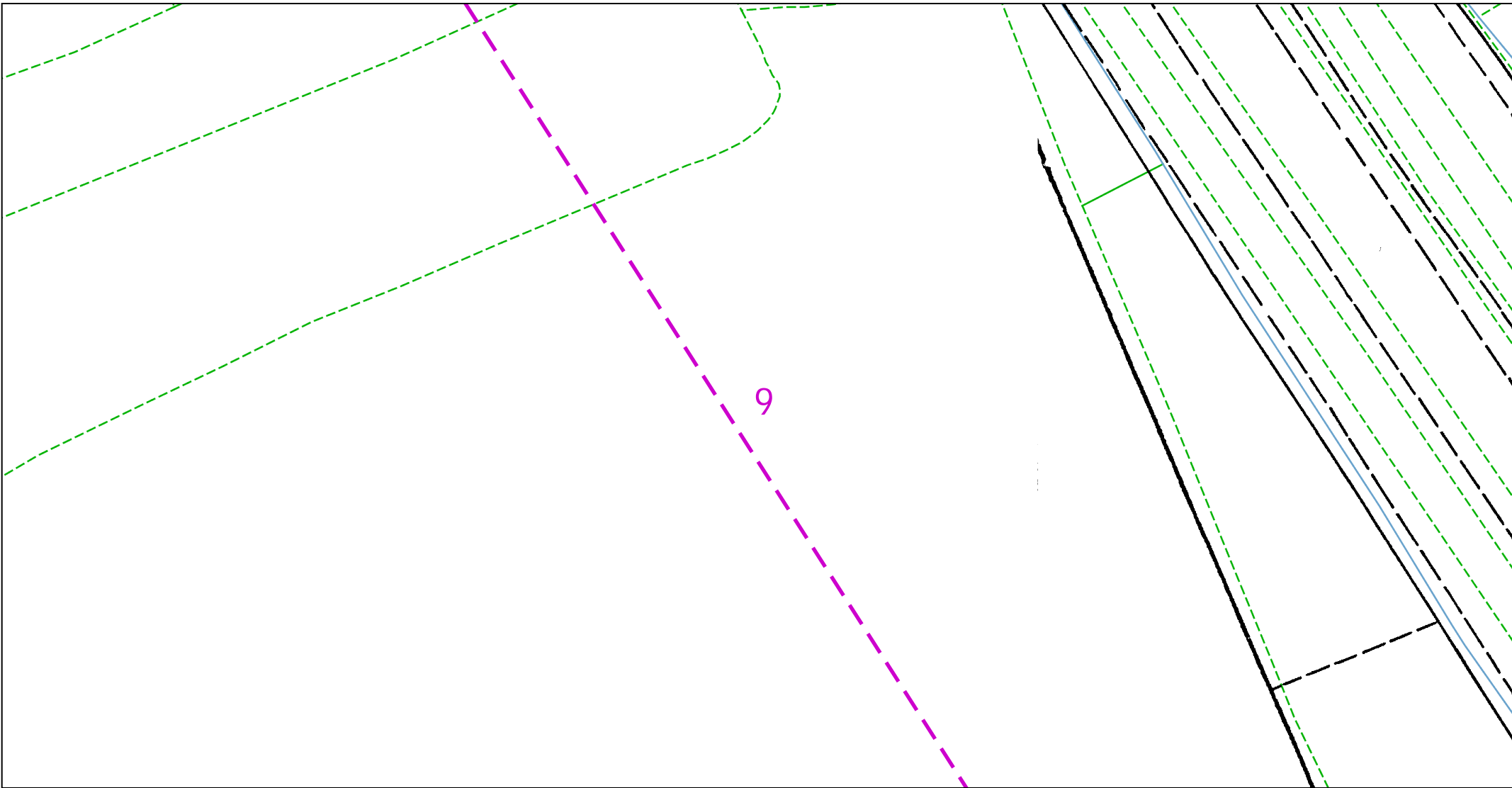
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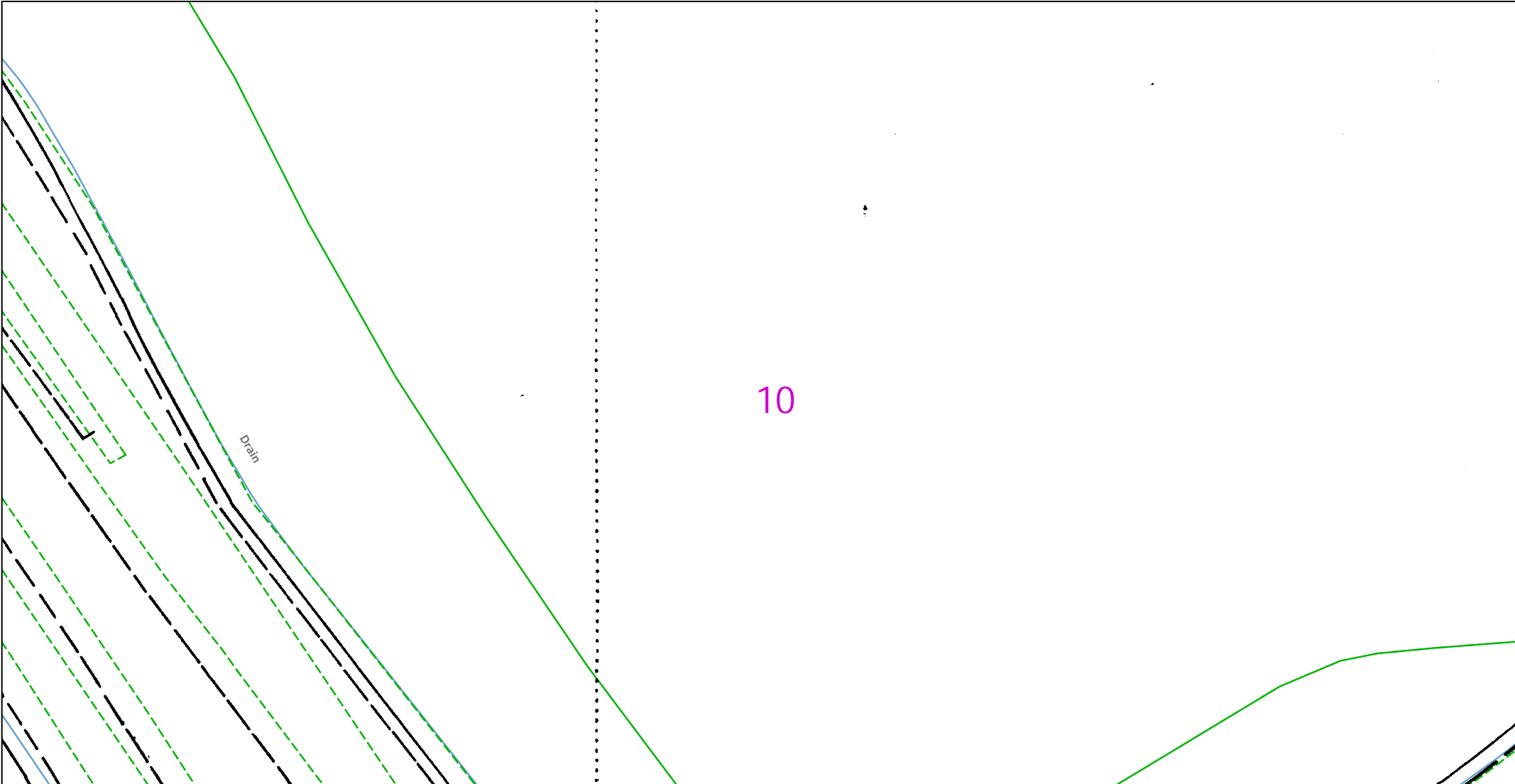


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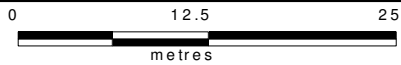


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10



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

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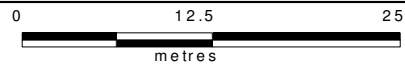


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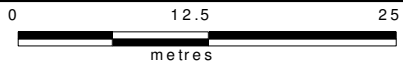
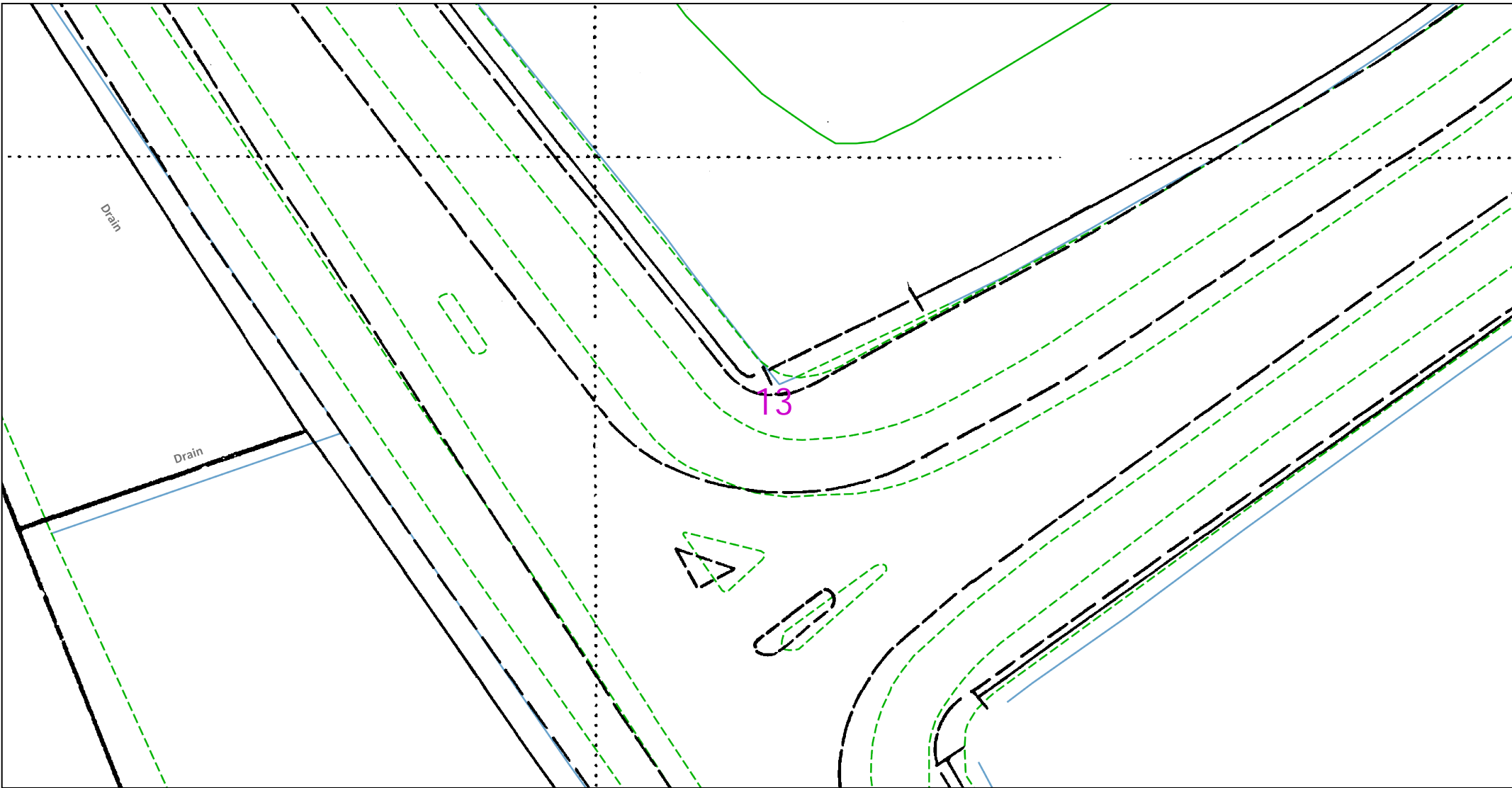


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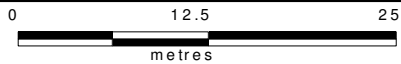
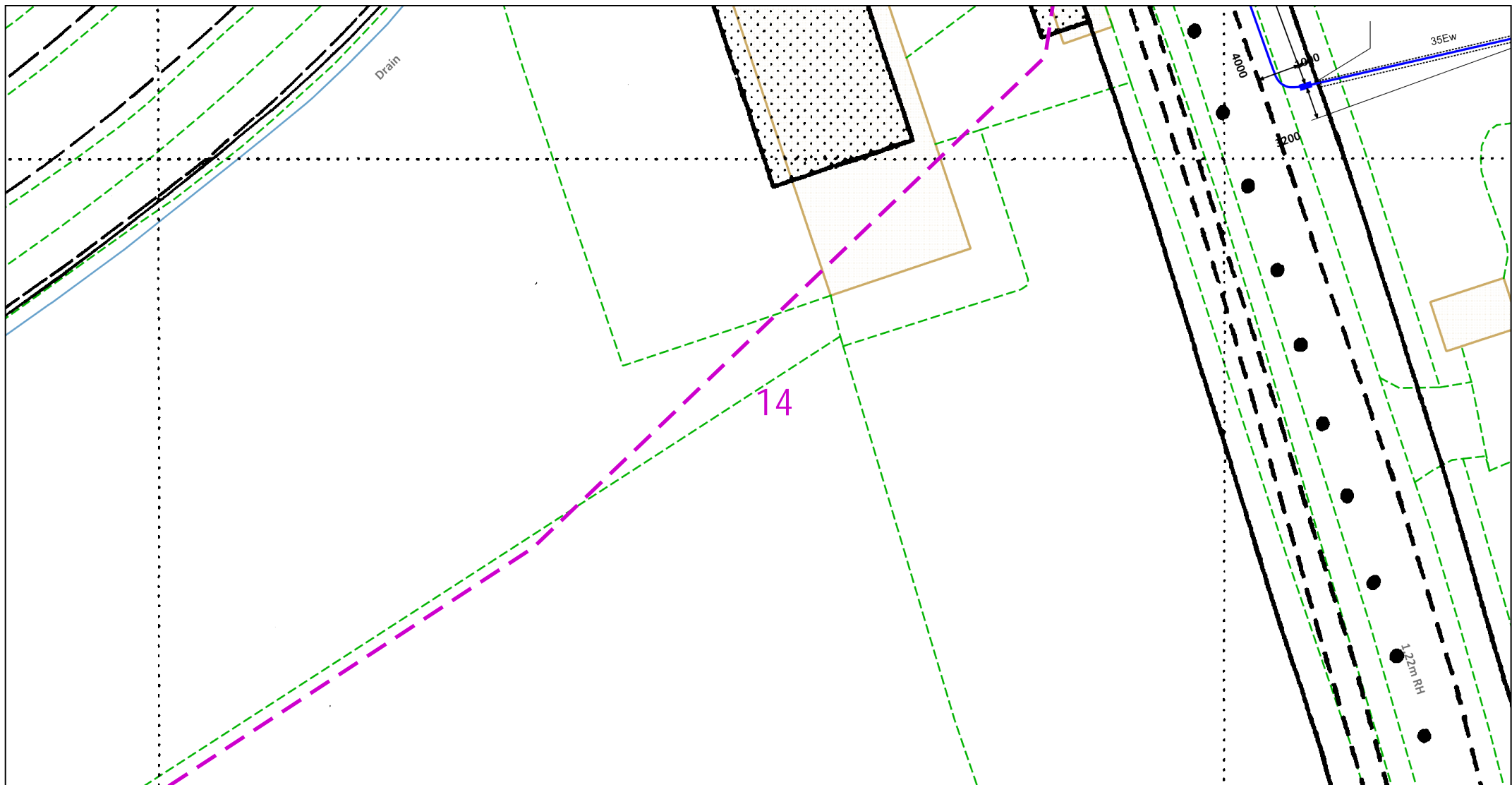
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5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

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



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

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





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2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
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3231  
·583ha  
1.44

17



Dig Sites    Area: 1222    Line: 1111

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

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

Date Requested: 06/11/2018  
Job Reference: 14124779  
Site Location: 543723 280194  
Requested by: Ms Christina Elliott

Your Scheme/Reference: LM  
70662/SuC  
Scale: 1:500 (When plotted at A4)

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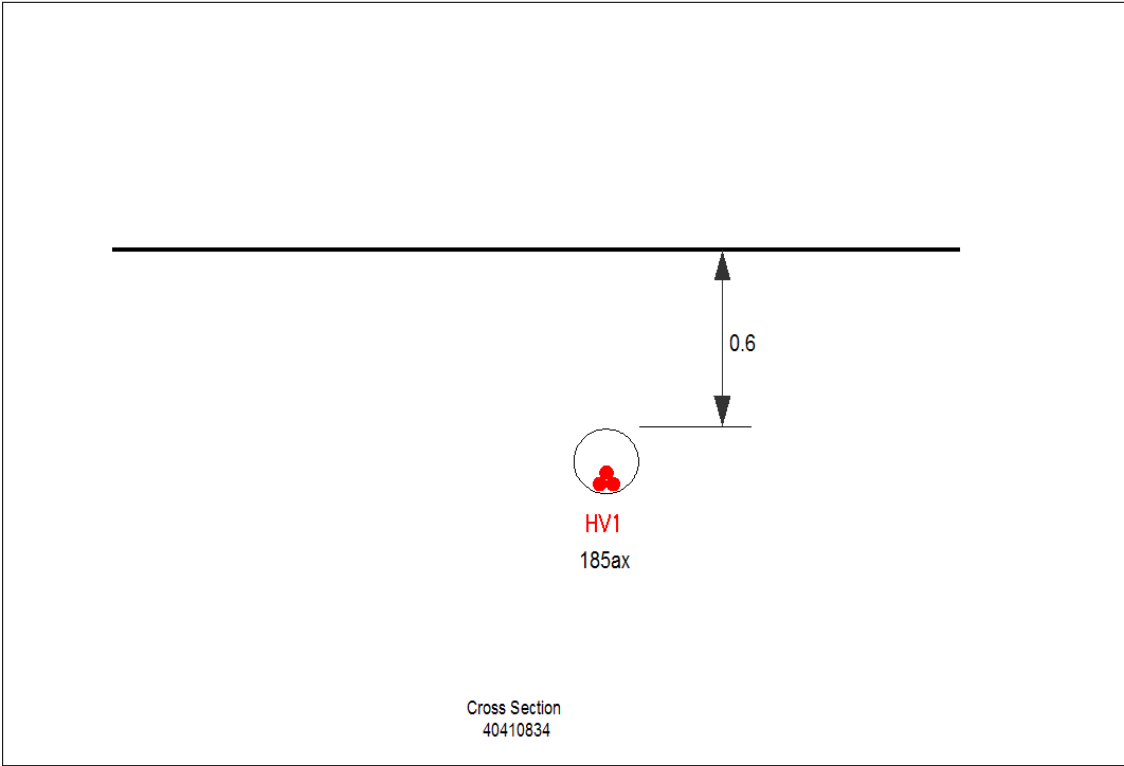
ALWAYS LOOK UP  
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note GS6

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URGENTLY

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Cross Section : 40410834



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ALWAYS LOOK UP BEFORE  
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See Supplemental Diagram  
TL4480NWB  
for Cross-Section 29 details

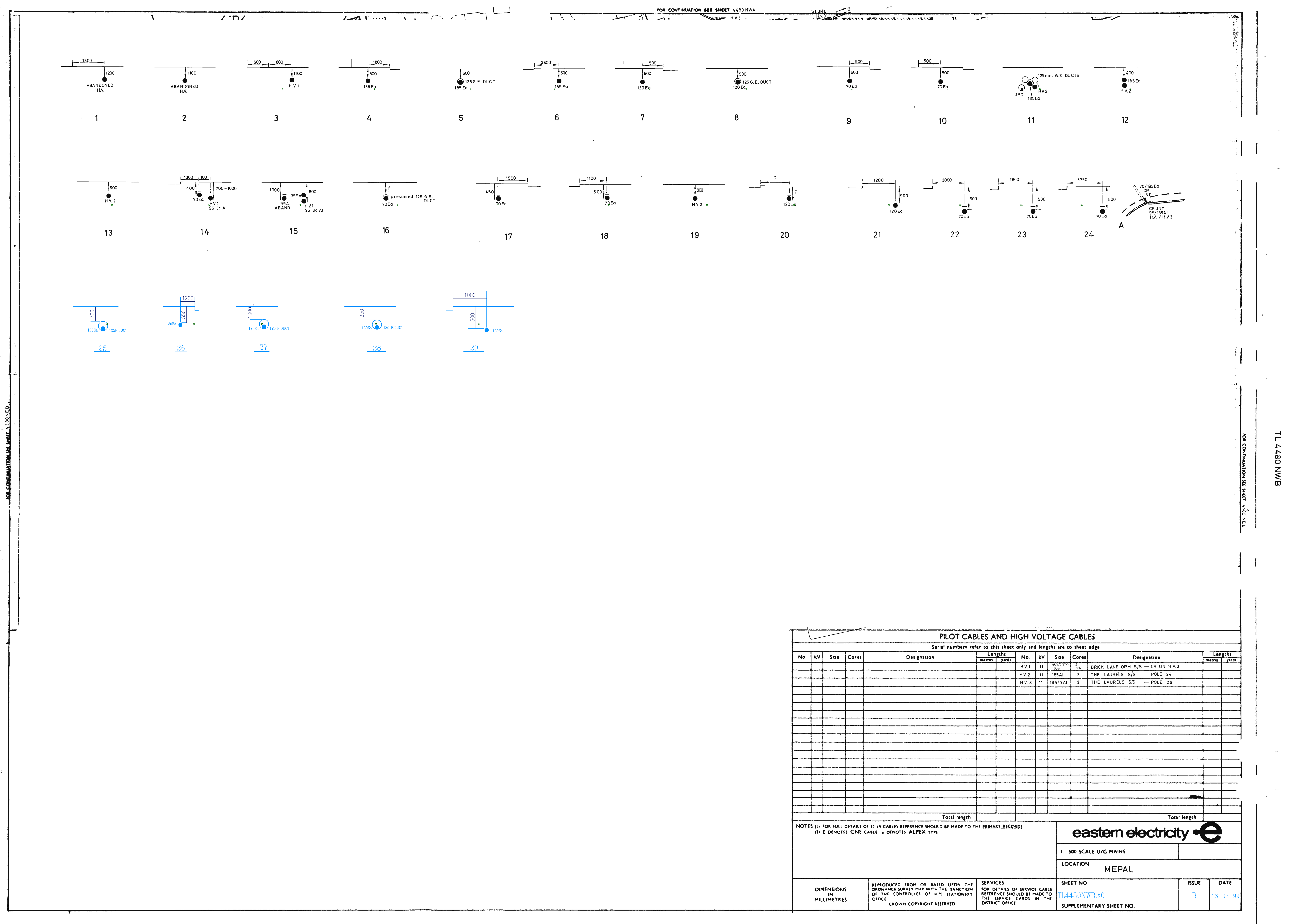
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		<p>ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note GS6</p>	

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

See Supplemental Diagram  
TL4480NWB  
for Cross-Section 28 details

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			<p>ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note GS6</p>
<p>Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.</p>			







**FOR CONTINUATION SEE SHEET**



# Network Records NetMAP Symbols Booklet - East of England

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

**Version 1.2**

Released October 2010

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

## Index:-

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



## Guidance notes.

### **Important notice:**

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

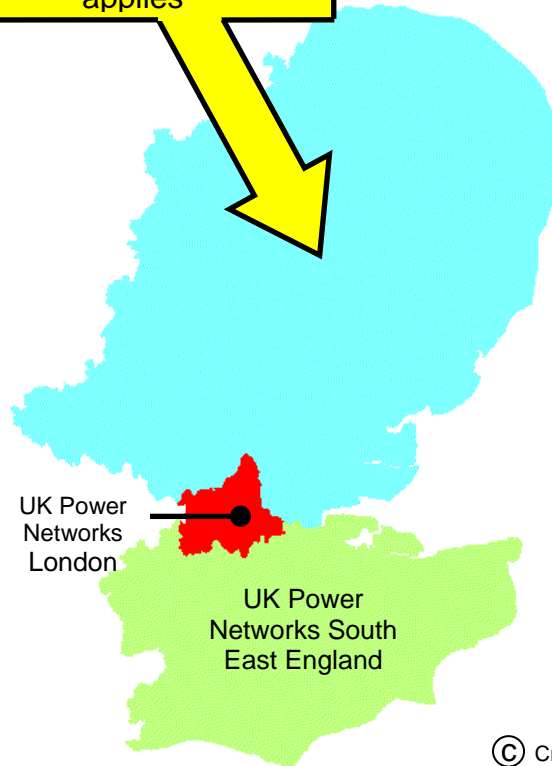
- The position of apparatus shown on NetMAP is believed to be correct, but the original landmarks may have altered since the apparatus was installed.
- It must be assumed that there is at least one service to each property, lamp column, street sign etc.
- All cables must be treated as live, unless proven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



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

## **The area covered by this guide:**











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










© Crown Copyright

## 1:500 view - underground network









### Scenery









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

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

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



section continued on next page

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





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

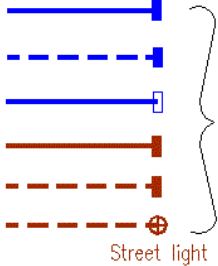
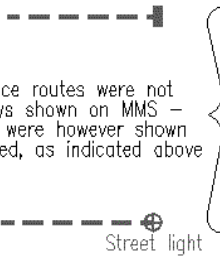


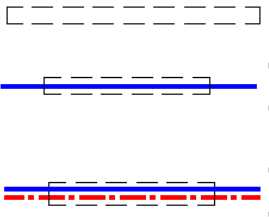
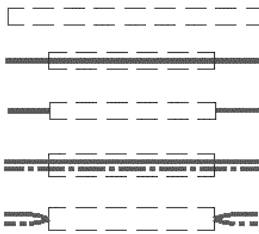
### Primary distribution cables (1:500 view)

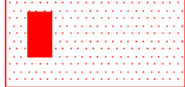
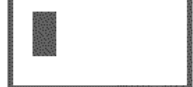























NetMAP system	Scanned image	Description
		Over 33kV and up to 132kV
		Over 11kV and up to 33kV




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

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

Service cables and terminations (1:500 view)		
NetMAP system	Scanned image	Description
		<p>3 phase service with termination</p> <p>3 phase service with termination (unknown route)</p> <p>3 phase service with multi-head termination</p> <p>Single phase service with termination</p> <p>Single phase service with termination (route unknown)</p> <p>Street lighting cable and termination</p>

Cable ducts (1:500 view)		
NetMAP system	Scanned image	Description
		<p>Empty duct</p> <p>Cable(s) in duct(s)</p> <p>Cable(s) in duct(s) (on some raster maps)</p> <p>Multiple cables in ducts</p> <p>Multiple cables in ducts (on some raster maps)</p>

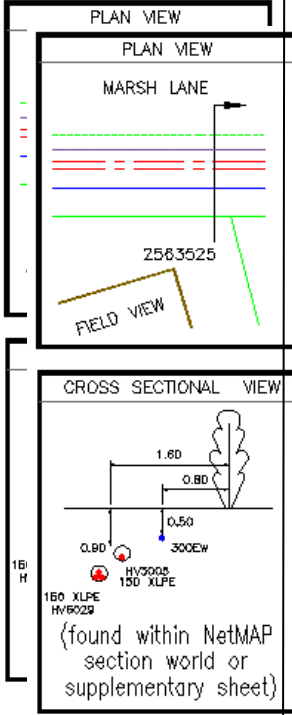
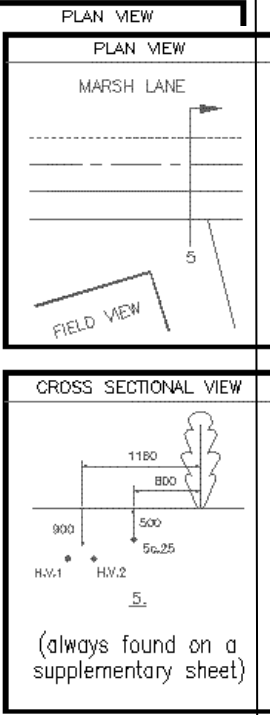

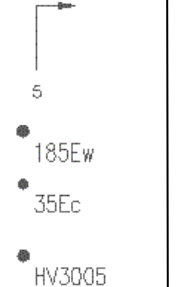
EHV, HV and LV sites (1:500 view)		
NetMAP system	Scanned image	Description
COLCHESTER GRID 	COLCHESTER GRID 	Primary substation
HIGH STREET 	 HIGH STREET  HIGH STREET	Secondary substation
		Pad mounted substation
		Link box – 2 way
		Link box – 4 way (6 way etc shown similarly)
		Feeder pillar – 4 way (6 way etc shown similarly)
CHURCH RD 	CHURCH RD 	Pole transformer
		Poles on underground records
		
		H pole, any voltage
		
		Service turret (solid type)
section continued on next page		

EHV, HV and LV sites continued (1:500 view)		
NetMAP system	Scanned image	Description
No NetMAP equivalent  CAUTION Missing Information	  No equivalent	Service turret (with link facility on LV main)  Missing data in or near this location
Contaminated Land refer to SHE 01 016 	Not applicable	Contaminated land reference

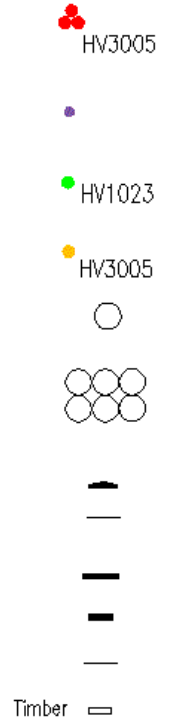
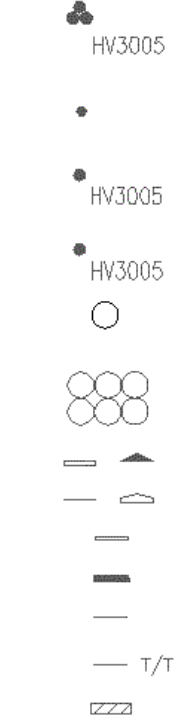
Mains joints (1:500 view)		
NetMAP system	Scanned image	Description
(voltage indicated by colour/line-style)		
		Straight joint
		Crutch joint
		Straight crutch joint
		Pot end
		Pot end – on one of several cables – single line representation
		Branch joint/pot end – (humpty back joint, back to back joint, bull nose joint or stub joint)
		Sleeve repair or repair joint
		Cut end
		Capped end
		Tee joint
	NetMAP/vector only	Sicame joint box

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



Cross sections (1:500 view)		
NetMAP system	Scanned image	Description
		<p>Single line representational plan view with NetMAP equivalent (please note the use of separate line for each voltage on the raster/MMS data)</p> <p>Cross sectional view of above</p> <p>Section arrow with old/new numbering system – points in direction section is viewed</p> <p>LV/3 phase service cable</p> <p>Single phase service cable with size annotation</p> <p>HV cable – 3 core with route number annotation</p>
		

section continued on next page

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

## Common abbreviations and terminology (all views)

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

section continued on next page

## Common abbreviations and terminology continued (all views)

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

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

## General

NetMAP system	Scanned image	Description
		H pole
		Pole

## 1:2500 scale LV network

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

section continued on next page

### 1:2500 scale LV network continued

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

### 1:10000 scale HV network






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

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














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





### Overhead lines

NetMAP system	Description
	Unknown
	Al
	Cu
	ABC
	Pole link








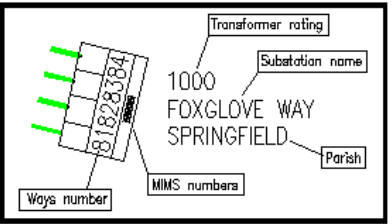
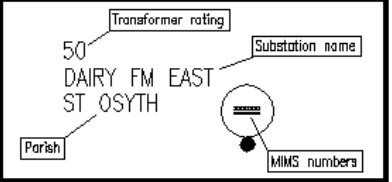



## Underground cables (LV network diagram view)

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

## Joints (LV network diagram view)

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

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

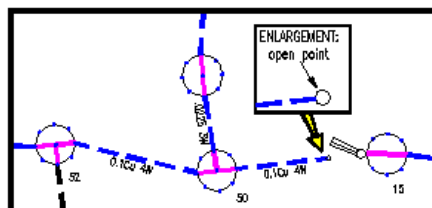
NetMAP system	Description
<p>There are many substation combinations – these are merely a sample of configurations that can be found.</p>            	<p>2 way substation</p> <p>4 way substation</p> <p>4 way twin busbar substation</p> <p>10 way back to back substation</p> <p>Pole transformer (normal)</p>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

section continued on next page

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

### NetMAP system

### Description



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



2 way link box



3 way link box



4 way link box



4 way double busbar link box



4 way BICC link box



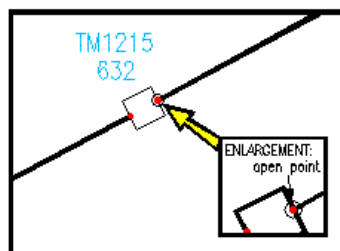
5 way link box



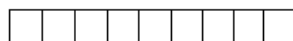
6 way link box



6 way double busbar link box



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



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





**Think**  
before you...



**DIG UNDER GROUND**





# THINK . . .

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



## THE DANGER

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.



## WHO IS AT RISK?

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.



## 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](mailto: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](http://www.hse.gov.uk/pubns/priced/hsg47.pdf)**



# WHAT TO DO

- **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](http://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.







# 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.



**PLAN IT OUT**

**CHECK IT OUT BEFORE  
YOU DIG UNDER GROUND**





# DANGER OF DEATH

THINK BEFORE  
YOU DIG

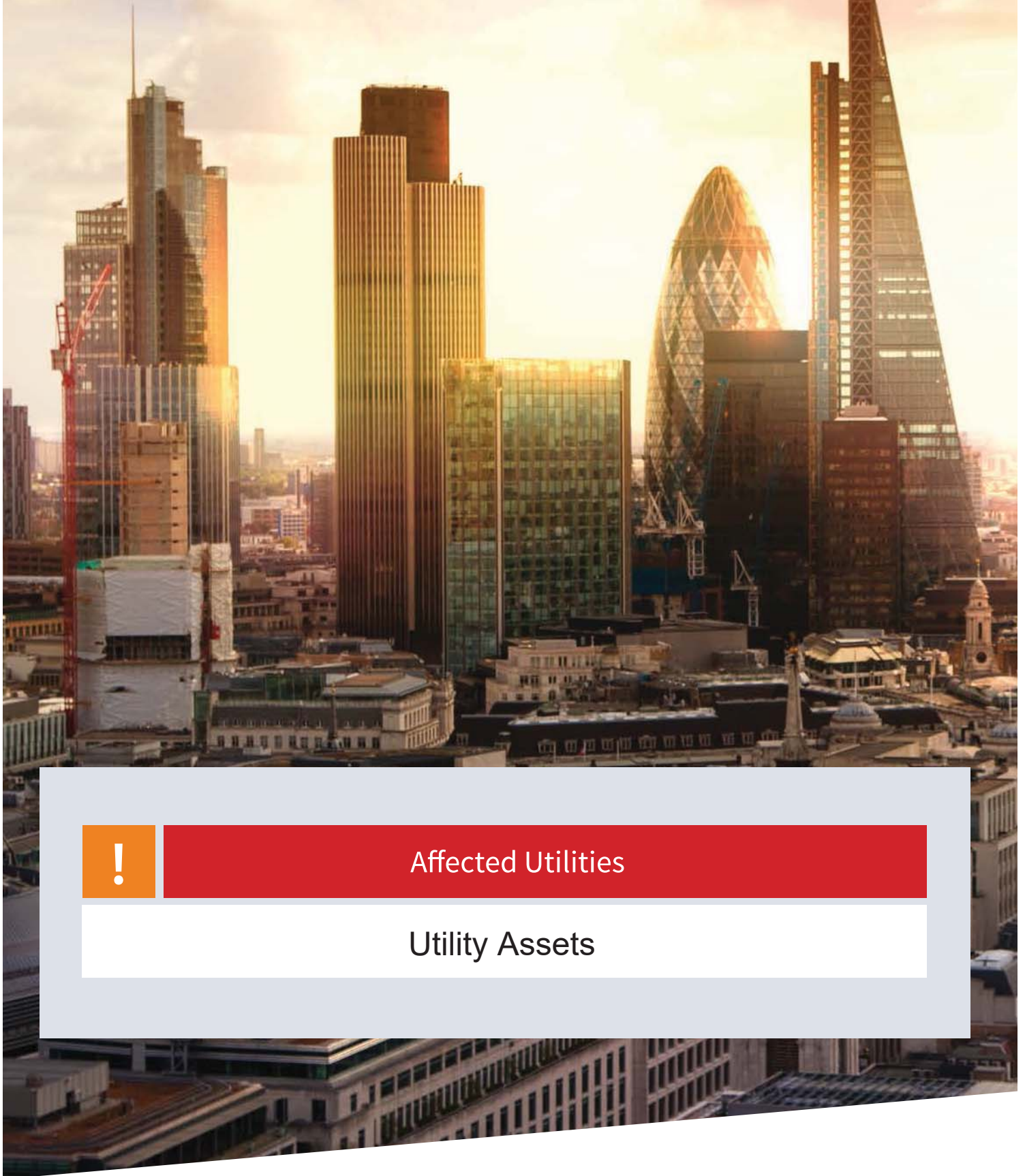
Call the network operator

0800 587 3243

[www.ukpowernetworks.co.uk](http://www.ukpowernetworks.co.uk)

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

# Utilities Report



Affected Utilities

Utility Assets



## ADVISORY NOTICE

### SUPPLIER UPDATE: Utility Assets

On 06/11/2018, an enquiry was sent to Utility Assets' plant record department. As of the date of issue of this Utilities Report, we have not received a formal response from Utility Assets in regards to owning any equipment on this site. Utility Assets have however advised the following:

*"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](mailto:asset.manager@utilityassets.co.uk) quoting a site reference number.*

*Asset Manager - Utility Assets Ltd"*

If a formal response is received within 3 months of the date of this search it will be forwarded onto you as per our usual service. However, without formal communication from Utility Assets it remains unconfirmed that your site will not be affected by their network. Utility Assets will not acknowledge receipt of this enquiry, or any subsequent queries, unless their network will be affected.

## Terms and Conditions

Full Terms and Conditions can be found on the following URL:  
<http://www.landmarkinfo.co.uk/Terms/Show/515>

Please note that Utilities Reports have a validity of 3 months from the date of purchase.

If you experience difficulties accessing our Terms and Conditions, please telephone our Customer Service Team on 0844 844 9966.

# Utilities Report



## Not Affected Utilities

Some Utility Companies have replied to confirm they would not be affected by work on, or close to, the search area. Their responses are enclosed in the following pages for your records.

**From:** Plantenquiries <plantenquiries@catelecomuk.com>  
**Sent:** 12 November 2018 16:27  
**To:** Utility Solutions GDC Requests  
**Subject:** RE: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

**Please Note: Our search criteria has changed. We previously searched for Colt Network which was within 200 metres, this has now changed to 50 metres. The negative response will be for all enquiries that the network is 50 metres or more away from the place of enquiry.**

Dear Sir/Madam,

Thank you for your enquiry for the above reference.

We can confirm that Colt Technology Services do not have apparatus near the above location as presented on your submitted plan, if any development or scheme amendments fall outside the 50 metre perimeter new plans must be submitted for review.

Search is based on Overseeing Organisation Agent data supplied; we do not accept responsibility for O.O. Agent inaccurate data.

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

Kind regards,

**Plant Enquiry Team**



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**From:** Utility Solutions GDC Requests [mailto:requests.utilitysolutions@atkinsglobal.com]  
**Sent:** 06 November 2018 12:03  
**To:** Plantenquiries <plantenquiries@catelecomuk.com>; plantenquiries@energetics-uk.com;



We have checked CityFibre's website and in this instance your area is not affected.



**From:** Plant Enquiries <plantenquiries@energetics-uk.com>  
**Sent:** 12 November 2018 19:37  
**To:** Utility Solutions GDC Requests  
**Subject:** RE: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

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](mailto:plantenquiries@energetics-uk.com)

Regards



#### Plant Enquiries

|  
e: [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com) | w: [www.energetics-uk.com](http://www.energetics-uk.com)  
a: Fenick House, Lister Way, Hamilton International Technol



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**From:** Utility Solutions GDC Requests <requests.utilitysolutions@atkinsglobal.com>  
**Sent:** 06 November 2018 12:03  
**To:** [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com); Plant Enquiries <plantenquiries@energetics-uk.com>;  
[enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk); [plantenquiries@instalcom.co.uk](mailto:plantenquiries@instalcom.co.uk);  
[opburiedservicesenquiries@networkrail.co.uk](mailto:opburiedservicesenquiries@networkrail.co.uk); [assetrecords@utilityassets.co.uk](mailto:assetrecords@utilityassets.co.uk);  
[interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [nrsua@sky.uk](mailto:nrsua@sky.uk); [osp-team@uk.verizon.com](mailto:osp-team@uk.verizon.com); National Plant  
Enquiry's <[OSM.enquiries@atkinsglobal.com](mailto:OSM.enquiries@atkinsglobal.com)>  
**Subject:** Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Our Reference: 70662  
Site Name: Site at Brick Lane, Mepal, Ely  
Works Description: Development Appraisal  
Site Grid References: 544152 280502,544241 280538,544036 280486,544217 280619,544122  
280385

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

**We request plans showing the location of your company's affected plant in relation to the entire site area shown within the boundary on the attached map. Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.**

Within your response please quote our reference number and the name of the site shown above. If you do not have any apparatus in this area, please could you send written confirmation to declare that



On 15/11/2018 GTT - Vtesse (formerly Interoute Vtesse) plant information system was checked to ascertain if your area of interest is affected by GTT - Vtesse plant. In this instance your area of interest was shown to be 'not affected' by GTT - Vtesse plant.

No liability of any kind whatsoever is accepted by Landmark Information Group, for any error or omission in respect of information contained on the information provided. The underground services must be verified and established on site before any excavation is carried out.

**From:** Plantenquiries <Plantenquiries@instalcom.co.uk>  
**Sent:** 12 November 2018 18:32  
**To:** Utility Solutions GDC Requests  
**Subject:** E11-18-1969 RE: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Dear Sir or Madam,

Thank you for your plant enquiry below.

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

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

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

Regards

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

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



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**From:** Utility Solutions GDC Requests [mailto:requests.utilitysolutions@atkinsglobal.com]  
**Sent:** 06 November 2018 12:03  
**To:** [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com); [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com); [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk); [Plantenquiries <Plantenquiries@instalcom.co.uk>](mailto:Plantenquiries@instalcom.co.uk); [opburiedservicesenquiries@networkrail.co.uk](mailto:opburiedservicesenquiries@networkrail.co.uk); [assetrecords@utilityassets.co.uk](mailto:assetrecords@utilityassets.co.uk); [interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [nrswa@sky.uk](mailto:nrswa@sky.uk); [osp-team@uk.verizon.com](mailto:osp-team@uk.verizon.com); National Plant

**From:** Xoufarides Alexis <Alexis.Xoufarides@networkrail.co.uk> on behalf of OP Buried Services Enquiries  
<OPBuriedServicesEnquiries@networkrail.co.uk>  
**Sent:** 07 November 2018 16:58  
**To:** Utility Solutions GDC Requests  
**Subject:** RE: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Dear Sir/Madam,

With regards to your enquiry, Network Rail does not believe there is any Network Rail owned apparatus or underground services within the area you have defined. As there is always the possibility that new works could be planned and undertaken in this area by Network Rail this information is valid as at today's date and is supplied for general guidance only.

Please be aware that this response is based on Network Rail's records and knowledge and no guarantee can be given regarding accuracy or completeness. CAT scans, safe digging practices (as contained in HSE publications) and other appropriate investigative techniques should always be carried out.

There may be other apparatus or underground services owned or operated by Utility Companies and accordingly you should contact individual utilities for information.

If, in connection with your investigations and/or work, you become aware of Network Rail apparatus or underground services within your area of work, please ensure these are notified to our Asset Protection team via the following link as a matter of urgency so that appropriate measures for avoidance of risk and damage can be put in place.

<http://www.networkrail.co.uk/aspx/1758.aspx?cd=1>

If you require any further clarification on any of the information please contact [opburiedservicesenquiries@networkrail.co.uk](mailto:opburiedservicesenquiries@networkrail.co.uk).

Regards,

**Alexis Xoufarides**

Distribution Co-ordinator, Worksite Survey

**Asset Information Services: inspiring & enabling through the power of data**

National Records Centre, Audax Road, York YO30 4US

M: 07718 004626

E: [alexis.xoufarides@networkrail.co.uk](mailto:alexis.xoufarides@networkrail.co.uk)

**Network Rail – Working for you**

Group Digital Railway Engagement Ambassador

**AIS Hub**

[Visit the new AIS Hub site](#) for information, user guides, key contacts, and more on all our services.

AIS Hub is replacing ASD Online and our Connect pages from Monday 3



**From:** Interroute Enquiries <interroute.enquiries@plancast.co.uk>  
**Sent:** 06 November 2018 17:39  
**To:** Utility Solutions GDC Requests  
**Subject:** RE: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

**This response does not include Vtesse or Easynet plant, please continue to use Vtesse or Easynet details for their enquiries**

To whom it may concern

Thank you for your enquiry regarding the above proposals at the above location

*We would advise that we are unaware of any Interroute plant or services in this Location as indicated in your enquiry.*

*We bring to your attention the fact that whilst we try to ensure the information we provide is accurate, the information is provided Without Prejudice and Interroute and its Agents accept no liability for claims arising from any inaccuracy, omissions or errors contained in this response.*

**All responses are only valid for 28 days**

Yours faithfully

**PLANCAST Plant Enquiry Department**



The Old Haybarn  
Rosebery Mews, Mentmore  
Bedfordshire LU7 0UE

T: 01296 662647

[www.plancast.co.uk](http://www.plancast.co.uk)



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Registered office: 1<sup>st</sup> Floor, The Old Haybarn, Rosebery Mews, Mentmore LU7 0UE.

Registered in England and Wales with number 4455025 VAT No. 8567 195 80

**From:** NRSWA <nrswa.nrswa@sky.uk>  
**Sent:** 07 November 2018 19:59  
**To:** Utility Solutions GDC Requests  
**Subject:** Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - 22/11/2018



Thank you for your enquiry.

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

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

Regards



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**From:** Utility Solutions GDC Requests [mailto:requests.utilitysolutions@atkinglobal.com]  
**Sent:** 06 November 2018 12:03  
**To:** plantenquiries@catelecomuk.com; plantenquiries@energetics-uk.com; enquiries@environment-agency.gov.uk; plantenquiries@instalcom.co.uk; opburiedservicesenquiries@networkrail.co.uk; assetrecords@utilityassets.co.uk; interoute.enquiries@plancast.co.uk; NRSWA <nrswa.nrswa@sky.uk>; osp-team@uk.verizon.com; National Plant Enquiry's <OSM.enquiries@atkinglobal.com>  
**Subject:** [EXTERNAL] Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Our Reference: 70662  
Site Name: Site at Brick Lane, Mepal, Ely  
Works Description: Development Appraisal  
Site Grid References: 544152 280502,544241 280538,544036 280486,544217 280619,544122 280385

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

**We request plans showing the location of your company's affected plant in relation to the entire site area shown within the boundary on the attached map. Grid references and**



We have checked SSE's website and in this instance your area is not affected.



We have checked Trafficmaster's website and in this instance your area is not affected.



**From:** UK OSP-Team <osp-team@uk.verizon.com>  
**Sent:** 06 November 2018 19:19  
**To:** Utility Solutions GDC Requests  
**Cc:** UK OSP-Team  
**Subject:** RE: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Dear Sir/Madam

Verizon is a licensed Statutory Undertaker.

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

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

Yours faithfully

Plant Protection Officer (GB) Email osp-team@uk.verizon.com

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**From:** Utility Solutions GDC Requests [mailto:requests.utilitysolutions@atkinsglobal.com]  
**Sent:** 06 November 2018 12:03  
**To:** plantenquiries@catelecomuk.com; plantenquiries@energetics-uk.com; enquiries@environment-agency.gov.uk; plantenquiries@instalcom.co.uk; opburiedservicesenquiries@networkrail.co.uk; assetrecords@utilityassets.co.uk; interroute.enquiries@plancast.co.uk; nrswa@sky.uk; UK OSP-Team; National Plant Enquiry's  
**Subject:** [E] Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Our Reference: 70662  
Site Name: Site at Brick Lane, Mepal, Ely  
Works Description: Development Appraisal  
Site Grid References: 544152 280502,544241 280538,544036 280486,544217 280619,544122 280385

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

**We request plans showing the location of your company's affected plant in relation to the entire site area shown within the boundary on the attached map. Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.**

Within your response please quote our reference number and the name of the site shown above. If you do not have any apparatus in this area, please could you send written confirmation to declare that no apparatus is affected. Please also include information relating to the use and location of Radio Frequency Identification Devices (RFIDs) where available.



As of 06/11/20018, Virgin Media are deemed to be not affected by your site.

An additional response from Virgin Media in relation to your area of interest is available on request from Landmark Customer Services with prices starting from £43 + VAT.

No liability of any kind whatsoever is accepted by Landmark Information Group, its servants or agents, for any error or omission in respect of information contained in this report. The underground services must be verified and established on site before any excavation is carried out.

**From:** Ramanikanthan, Jayakanth  
**Sent:** 16 November 2018 13:44  
**To:** Utility Solutions GDC Requests  
**Subject:** RE: Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

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

Many thanks.

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

ATKINS working on behalf of Vodafone: Fixed



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

#### **PLEASE NOTE:**

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

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

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



Please consider the environment before printing this e-mail

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**From:** Utility Solutions GDC Requests  
**Sent:** 06 November 2018 17:33  
**To:** [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com); [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com); [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk); [plantenquiries@instalcom.co.uk](mailto:plantenquiries@instalcom.co.uk); [opburiedservicesenquiries@networkrail.co.uk](mailto:opburiedservicesenquiries@networkrail.co.uk); [assetrecords@utilityassets.co.uk](mailto:assetrecords@utilityassets.co.uk); [interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [nrswa@sky.uk](mailto:nrswa@sky.uk); [osp-team@uk.verizon.com](mailto:osp-team@uk.verizon.com); National Plant Enquiry's <[OSM.enquiries@atkinsglobal.com](mailto:OSM.enquiries@atkinsglobal.com)>  
**Subject:** Plant Enquiry - 70662 - Site at Brick Lane, Mepal, Ely - Please respond by 22/11/2018

Our Reference: 70662  
Site Name: Site at Brick Lane, Mepal, Ely  
Works Description: Development Appraisal  
Site Grid References: 544152 280502,544241 280538,544036 280486,544217 280619,544122 280385

## Important Consumer Protection Information

This search has been produced by Landmark Information Group Ltd, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD.

Tel: 0844 844 9966  
Fax: 0844 844 9980  
Email: [helpdesk@landmark.co.uk](mailto:helpdesk@landmark.co.uk)

Landmark Information Group Ltd is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

## The Search Code:

- Provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom.
- Sets out minimum standards which firms compiling and selling search reports have to meet.
- Promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals.
- Enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

## The Code's core principles

Firms which subscribe to the Search Code will:

- Display the Search Code logo prominently on their search reports.
- Act with integrity and carry out work with due skill, care and diligence.
- At all times maintain adequate and appropriate insurance to protect consumers.
- Conduct business in an honest, fair and professional manner.
- Handle complaints speedily and fairly.
- Ensure that products and services comply with industry registration rules and standards and relevant laws.
- Monitor their compliance with the Code.

## Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme  
Milford House  
43-55 Milford Street  
Salisbury  
Wiltshire SP1 2BP

Tel: 01722 333306  
Fax: 01722 332296  
Web site: [www.tpos.co.uk](http://www.tpos.co.uk)  
Email: [admin@tpos.co.uk](mailto:admin@tpos.co.uk)

You can get more information about the PCCB from [www.propertycodes.org.uk](http://www.propertycodes.org.uk).  
PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE



## Complaints Procedure

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to:

Landmark Information Group Ltd  
Landmark UK Property  
Imperium  
Imperial Way  
Reading  
RG2 0TD

Tel: 0844 844 9966  
Email: [helpdesk@landmark.co.uk](mailto:helpdesk@landmark.co.uk)  
Fax: 0844 844 9980

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman Scheme (TPOs):

Tel: 01722 333306  
Email: [admin@tpos.co.uk](mailto:admin@tpos.co.uk)

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.