

Rosconn Strategic Land

Land South of Radwinter Road (East of Griffin Place), Saffron Walden

Utilities Appraisal





DOCUMENT REGISTER

CLIENT:	ROSCONN STRATEGIC LAND
PROJECT:	LAND SOUTH OF RADWINTER ROAD (EAST OF GRIFFIN PLACE), SAFFRON WALDEN
PROJECT CODE:	CTP-20-1142

REPORT TITLE:	UTILITIES APPRAISAL		
PREPARED BY:	NICOLA TILEY	DATE:	JULY 2021
CHECKED BY:	KRIS TOVEY	DATE:	JULY 2021

REPORT STATUS:	FOR PLANNING
REVISION:	02

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Appendix A: Redline Boundary and Site Masterplan

Appendix B: CTP-20-1142_SK04 Utility Constraints Plan

Appendix C: Groundsure Utilities Search
Appendix D: Anglian Water Consultation



1 Introduction

Background

- 1.1 Cotswold Transport Planning has been appointed by Rosconn Strategic Land (herein referred to as "the Applicant") to produce a utilities statement for an outline residential proposal of up to 233 dwellings at Land South of Radwinter Road (East of Griffin Place), Saffron Walden, Essex.
- 1.2 The purpose of this statement is to establish the presence of key utility services within and in the vicinity of the site boundary. Any potential constraints will be identified and where relevant the ability of the relevant provider to supply the site. The statement has been based on the red line boundary provided at the outset of the project.
- 1.3 A copy of the latest masterplan, which incorporates the following findings of this report, is included in Appendix A.
- 1.4 A search of utilities and services which are located on or close to the site has been undertaken to inform the masterplan. A utilities plan, included in Appendix B, has been prepared which summarises the location of services within and immediately adjacent to the application site. This was achieved through the provision of a Groundsure Utilities Search (refer to Appendix C). It is noted that mapping provided by affected utilities owners is not exhaustive, therefore, unmapped infrastructure may be located within the site.
- 1.5 The following subsections provide details of the services recorded in the local area:
 - Mains Water:
 - Foul Sewerage;
 - Surface Water Sewerage;
 - Gas:
 - Electricity;
 - Telecommunications; and
 - Oil / Pipelines;
- 1.6 Initial capacity checks have been undertaken for foul sewerage, however other services will need capacity checks carried out.



2 Utilities Appraisal

Public Water Mains Infrastructure

Within the site

2.1 Affinity Water infrastructure mapping indicates no public water mains infrastructure present within the site boundary.

Adjacent to the site

- 2.2 Affinity Water public water mains infrastructure is located in the area surrounding the site.
- 2.3 A public water main is located in Radwinter Road to the north of the site. Two fittings are recorded along the public main, as well as a hydrant.

Capacity Enquiry

2.4 Public water mains are located near to the site and so suggests that a mains water supply will be available for the proposed development. Detailed consultation will be required with Affinity Water when the exact requirements of the proposed development have been quantified.

Foul Sewerage Infrastructure

Within the site

2.5 Anglian Water infrastructure mapping indicates a 180mm dia public foul sewer within the site boundary flowing east to west, south of the existing watercourse.

Adjacent to the site

- 2.6 The above-mentioned public foul sewer extends to the area surrounding the site.
- 2.7 Upstream of the site the foul sewer crosses Radwinter road and is routed through a field to the north. Downstream of the site the foul sewer turns north towards Radwinter Road before continuing west in said highway.

Capacity Enquiry

- 2.8 Initial consultation was undertaken with Anglian Water, see Appendix D, and it was confirmed suitable capacity presently exists within the existing network.
- 2.9 Easements for the existing foul asset were provided as part of initial consultation.

 These were confirmed as 3m either side of the centre line.



2.10 Anglian Water's preferred connection point is manhole 6300. With the depth of Cover to Soffit greater than 4m, and the majority of the site topography falling to this location it is accepted feasible to connect at this point.

Surface Water Sewerage Infrastructure

Within the site

2.11 No public surface water sewers are located within the boundary of the site.

Adjacent to the site

2.12 No public surface water sewers are located within the vicinity of the site.

Capacity Enquiry

- 2.13 Infiltration testing has been undertaken and concluded infiltration rates are unviable for soakaways to dispose surface water within the site.
- 2.14 There is an unnamed watercourse through the site to which a connection can be made. It is therefore unnecessary to seek connection to a public surface water sewer.
- 2.15 For further details concerning 2.13 and 2.14 refer to Cotswold Transport Planning Flood Risk Assessment (CTP-20-1142-FRA-03).

Gas Infrastructure

Within the site

- 2.16 There are no GTC assets located within the site boundary.
- 2.17 Cadent records indicate an intermediate pressure (IP) main through the site.
- 2.18 The IP main enters the site along the southwest boundary, heading north/northeast before exiting the site midway through the northern boundary.

Adjacent to the site

- 2.19 GTC has recorded gas assets in the adjacent development to the west of the site. These assets are located far enough away that easements do not need to be considered.
- 2.20 Cadent has recorded gas assets to the east and west of the site, as well as the continued route to the north and south of the IP gas main. Recorded assets to the east and west are located far enough away that easements do not need to be considered.



Capacity Enquiries

2.21 Since an IP main is located in the site it is assumed that a gas mains supply will be available for the development. Detailed consultation will be required with Cadent Gas and GTC when the exact requirements of the proposed development have been quantified.

Other Enquiries

2.22 Consultation with Cadent gas confirmed minimum required cover depths for proposed highways to be 1m over the IP main.

Electricity

Within the site

- 2.23 UK Power Networks indicate an existing overhead high voltage line within the site.
- 2.24 The overhead line enters the site along the western boundary, south of the existing watercourse, and traverses the site in a northeast direction. The cable exits the site along the northern boundary.

Adjacent to the site

- 2.25 UK Power Networks indicate medium voltage underground cables to the west of the site.
- 2.26 An overhead high voltage cable is indicated in the fields not the north of the site.

Capacity Enquiry

2.27 As cables are located within and adjacent to the site it is concluded that an electricity supply is readily available. Detailed consultation will be required with UK Power Networks when the exact requirements of the proposed development have been quantified, and any upgrade work to the network with associated costs will be determined.

Telecommunications

Within the site

2.28 There are no telecommunications plant infrastructure within the site boundary.



Adjacent to the site

2.29 Plant mapping identifies BT Openreach plant infrastructure along Radwinter Road to the north of the site.

Capacity Enquiry

2.30 Since plant infrastructure is located in Radwinter Road it is considered that telecommunication links will be available for the site. Detailed consultation will be required with BT Openreach to determine if any network upgrades or reinforcement will be necessary.

Oil / Pipelines

Within the site

- 2.31 There are two live CLH-Pipelines contained in the site boundary.
- 2.32 The first pipeline is located within 20m of the western boundary. It follows the boundary of the site in a north-south direction.
- 2.33 The second pipeline is traverse the site in a southeast-northwest route, entering the site in one of the southernmost parts of the site, and exiting the site midway along the northern boundary.
- 2.34 Two abandoned MOD assets, pipelines are also recorded in the site. The first is located close to, and following the same route, as the western live line. The second follows the eastern live pipeline but is up to approximately 50m further east.

Adjacent to the site

2.35 There are no further pipelines indicated in the vicinity of the site.



3 Summary and Conclusion

3.1 Table 3.1 summarises the results from the statutory undertakers following the investigations undertaken by CTP.

	Existing Utility Infrastructure			
Statutory Undertaker	Onsite/Near Development	Diversionary and Protection Requirements	Cost (£)	Notes / Recommendations
Affinity Water	2 ½" Distribution Main in Radwinter Road	N/A	N/A	Further consultation required with Affinity Water to determine potable water availability for site.
Anglian Water	180mm Public foul asset through site (east-west direction). No public surface water assets.	3m easement required both sides from centreline of pipe.	N/A	Preferred connection point Manhole 6300 as per Pre-Planning Enquiry with Anglian Water.
Cadent	Intermediate Pressure (IP) Gas Main through site.	6m overall easement as a minimum. Minimum 1m cover to be achieved over pipeline for highways.	N/A	Recommended gas main is not diverted. Development to incorporate pipeline and easement as green corridors / landscape areas.
UK Power networks	High voltage overhead cables through site.	Cables will need diverting, over or underground for development.	TBC	Further consultation required with UK Power Network to determine diversion options along with future site electricity supply once requirement quantified.
Telecoms	Openreach infrastructure located in Radwinter Road	N/A	N/A	Further consultation required with Openreach to determine site requirements and

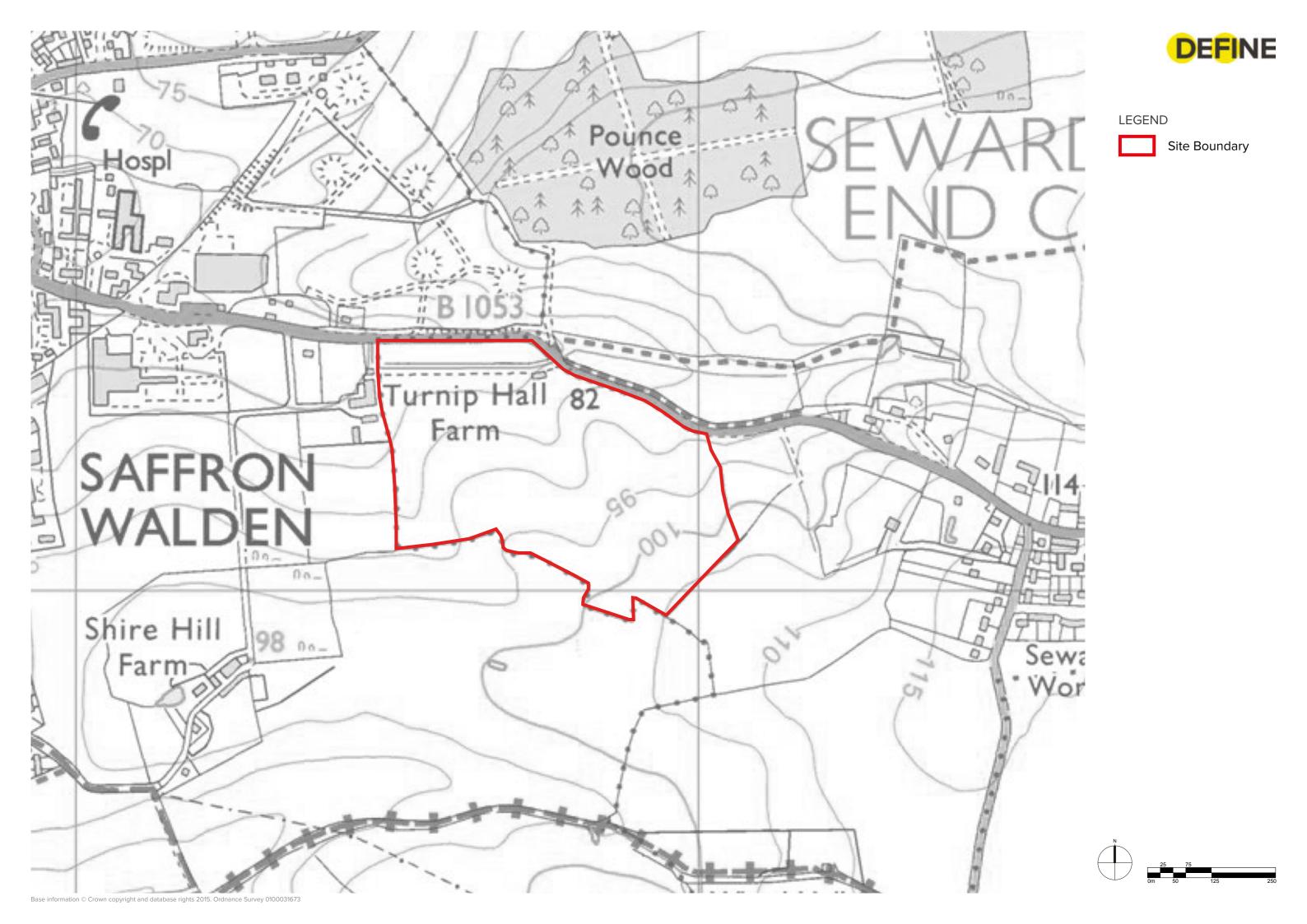


				any potential reinforcements.
Oil / Pipelines	Two live pipelines through site. Two recorded abandoned MOD pipelines.	6m easements required as confirmed in initial plant enquiries. Diversion is possible although costly, with completion timeframes min 12 – 18 months.	£4000 per metre of pipe.	Due to cost and time implications the development is advised not to divert. It is recommended to incorporate pipelines and easements as green corridors / landscape areas.

- 3.2 Following the review of existing utility infrastructure network, and the responses received to date, it is considered unlikely that there will be any significant issues in providing the development with the required utility infrastructure.
- 3.3 In accordance with the above findings the masterplan has been produced containing all recorded utilities and their respective easements. The latest site masterplan is contained within Appendix B.

Appendix A

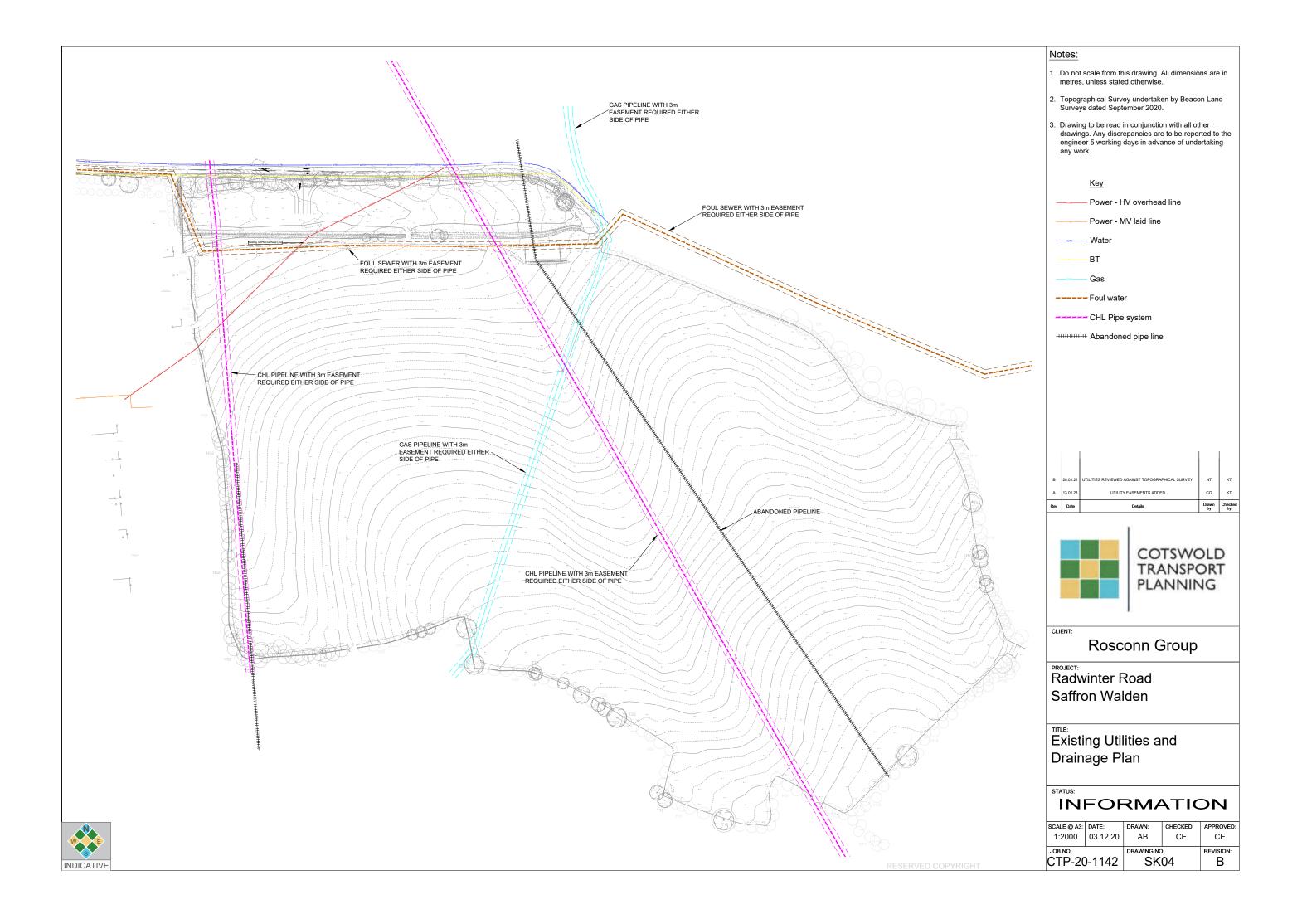
Redline Boundary & Latest Masterplan





Appendix B

Utility Constraints Plan



Appendix C

Groundwise Utility Report







Groundwise Searches Ltd

Product Desktop Utility Search

Scope PAS 128 – Level D

Groundwise Reference 27201FM

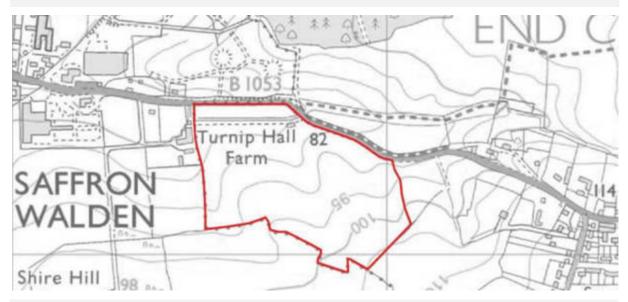
Site Land off Radwinter Road, Saffron Walden, CB10 2JZ

Client Kris Tovey

Company Cotswold Transport Planning Ltd

Client Reference

Purchase Order CTP-20-2943



Researcher Fran Margiotta fmargiotta@groundwise.com



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





Groundwise Searches Ltd

Groundwise Reference 27201FM

Site Land off Radwinter Road, Saffron Walden, CB10 2JZ

Version	Date Issued	Notes
#1	19/11/2020	First batch of received utility data issued (outstanding data will be sent on receipt)
#2	20/11/2020	Vodafone and Essex county council added to report.
#3	26/11/2020	DIO (MOD Abandoned pipelines and Trafficmaster added to report.
#4	27/11/2020	C.A. Telecom added - report is complete



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





Groundwise Searches Ltd

Groundwise Reference 27201FM

Site Land off Radwinter Road, Saffron Walden, CB10 2JZ

Click on a Data Supplier to view their response

Туре	Data Supplier	Date Sent	Assets in Area
Electricity	Last Mile	19/11	
Electricity	UKPN	19/11	x
Electricity	Utility Assets Ltd	19/11	
Gas/Electric	GTC	19/11	x
Gas	Cadent	19/11	x
Oil/Pipelines	CLH Pipeline System	19/11	X
Oil/Pipelines	DIO (MOD abandoned pipelines)	26/11	X
Mobile Phone Masts	Mast Data	19/11	
Telecom	BskyB Telecommunications Services Ltd	19/11	
Telecom	ВТ	19/11	X
Telecom	C.A. Telecom - Colt	27/11	
Telecom	CityFibre	19/11	
Telecom	euNetworks	19/11	
Telecom	Instalcom Ltd	19/11	
Telecom	KPN	19/11	
Telecom	MBNL	19/11	
Telecom	Trafficmaster	26/11	
Telecom	Verizon	19/11	
Telecom	Virgin Media	19/11	
Telecom	Vodafone	20/11	
Transport	Network Rail	19/11	
Various	HSE Client to contact HSE directly	19/11	See Result
Various	LinesearchbeforeUdig	19/11	
Water Mains	Affinity Water	19/11	x
Sewers	Anglian Water	19/11	X
District Energy	ENGIE	19/11	
Street Lighting	Essex County Council	20/11	

Francesca Margiotta

From: Plant Enquiries <plantenquiries@lastmile-uk.com>

Sent: 16 November 2020 14:44 **To:** Francesca Margiotta

Subject: RE: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Dear Sir/Madam,

Thank you for submitting your recent plant enquiry.

Based on the information provided, I can confirm that Last Mile **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@lastmile-uk.com

Regards

From: Francesca Margiotta < FMargiotta@groundwise.com>

Sent: 16 November 2020 14:03

To: Plant Enquiries <plantenquiries@lastmile-uk.com>; osm.enquiries@atkinsglobal.com; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com; OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk; mbnlplantenquiries@turntown.com; assetrecords@utilityassets.co.uk;

kpn.plantenquiries@instalcom.co.uk; NRSWA@sky.uk

Subject: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Ref: 27201FM

Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Easting/Northing:555776, 238175

Requests: URGENT

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

We are doing research on the above site for a client and would be grateful if you could confirm whether the above operators have any cabling or apparatus in the immediate vicinity. Should there be anything detected in the vicinity plus 50 meters around the site, I would appreciate a plan showing the location. The reason we need the information is so our client can avoid digging through your cables or can investigate the potential for connecting with your network.

I enclose location plans of the site for your convenience and look forward to hearing from you. We shall of course be providing a copy of your response to our client as part of a wider report on the site including reports from other utility companies or providers.

Should you have any problems in identifying the location of the sites or should you require further clarification of the details requested, please do not hesitate to contact me.



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

Registered in England and Wales No: 3870728

Company: UK Power Networks (Operations) Limited

Our Ref: 20533823 Your Ref: 27201

Thursday, 19 November 2020

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

Dear Joe Shawyer

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

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

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

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

Plan Provision 0800 056 5866









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

Registered in England and Wales No: 3870728

Company: UK Power Networks (Operations) Limited

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

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

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

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

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

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









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

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

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

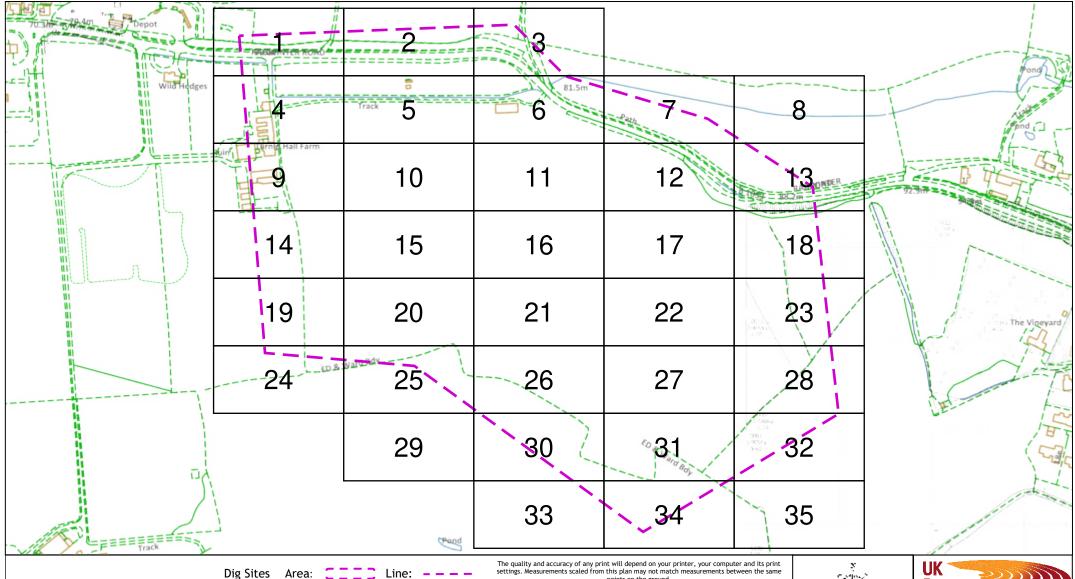
If given a reasonable period of prior notice UK Power Networks will attend on site without charge to advise how and where "goal posts" should be erected. If you wish to use this service, in the first instance please telephone: 0845 6014516 between 08:30 and 17:00 Monday to Friday.

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









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: 19/11/2020

Job Reference: 20533823 Site Location: 555218 237748

Requested by: Mr Joe Shawyer

Your Scheme/Reference: 27201

Scale: 1:4100 (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,
- 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.
- 8. Please be aware the Low Voltage Overhead power lines are not currently displayed for the Eastern Region via this service, if you require records on the location of these please contact our Plan Provision team directly via plans@ukpowernetworks.co.uk.
- 1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own
- 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.

 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach
- 25 Sudjective dylargy or the Wise feet any loss, has no tablisty Cryain, claim, of use) or any special or consequential loss or damage whatsoever.

 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies
- this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.

 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available
- upon payment of a fee to a third party.
- 6. Please Note: The Overview map does not display UK Power Networks electricity network and should not be used for the location of UK Power Networks assets. For detail of the electricity network please view the relevant page as highlighted in the Overview map.



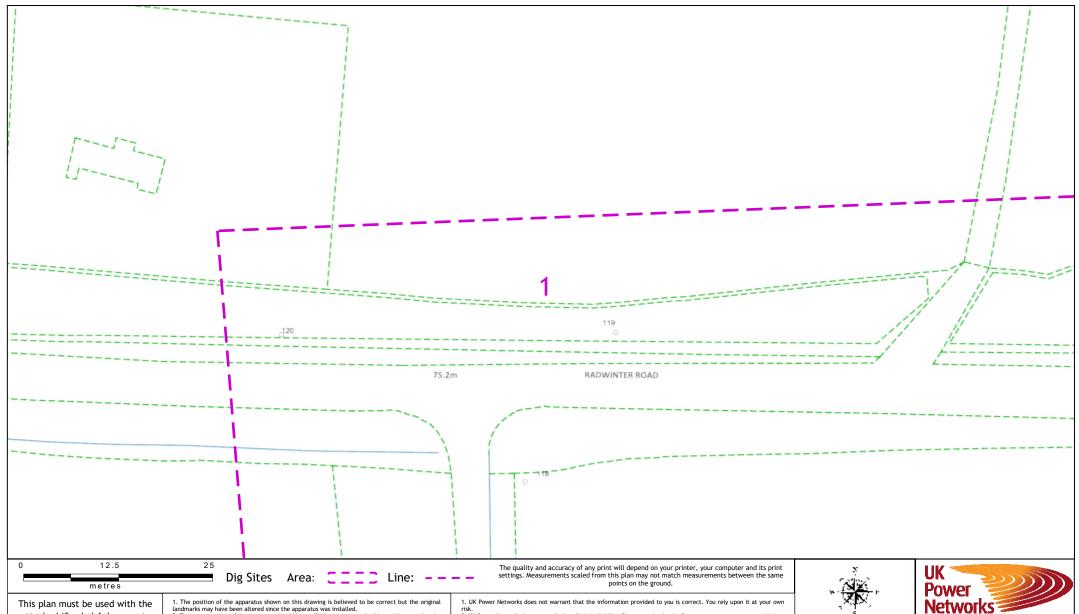
IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY



Power

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.



attached 'Symbols' document.

Date Requested: 19/11/2020 Job Reference: 20533823 Site Location: 555218 237748 Requested by: Mr Joe Shawyer

Your Scheme/Reference: 27201

Scale: 1:500 (When plotted at A4)

- 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,
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- 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.

 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach
- of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
- 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.

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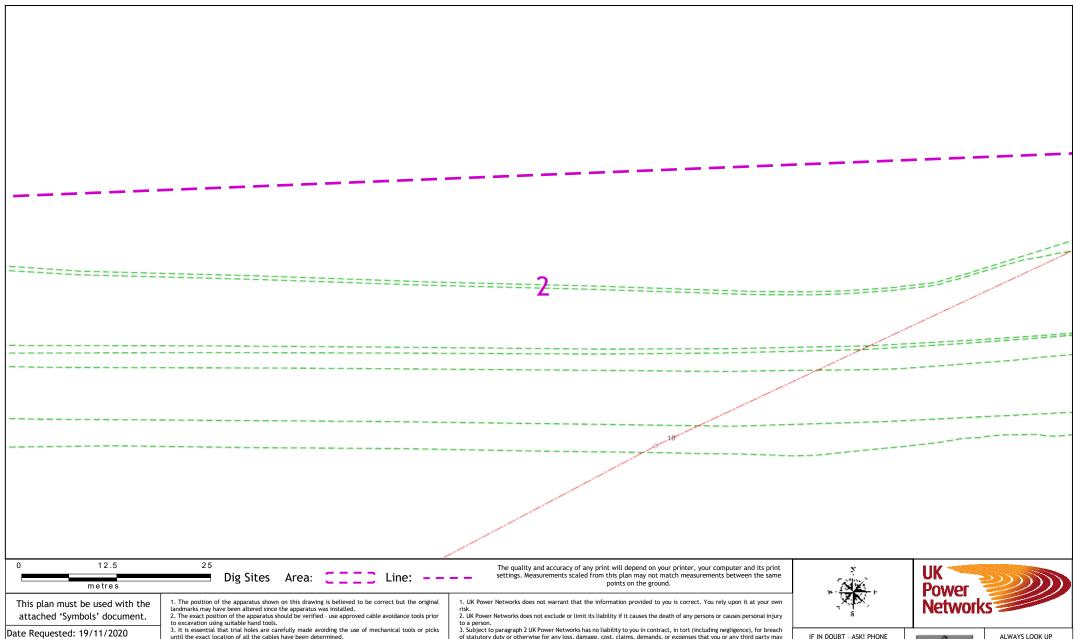


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Scale: 1:500 (When plotted at A4)

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8. Please be aware the Low Voltage Overhead power lines are not currently displayed for the Eastern Region via this service, if you require records on the location of these please contact our Plan Provision team directly via plans@ukpowernetworks.co.uk.

- of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
- 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.

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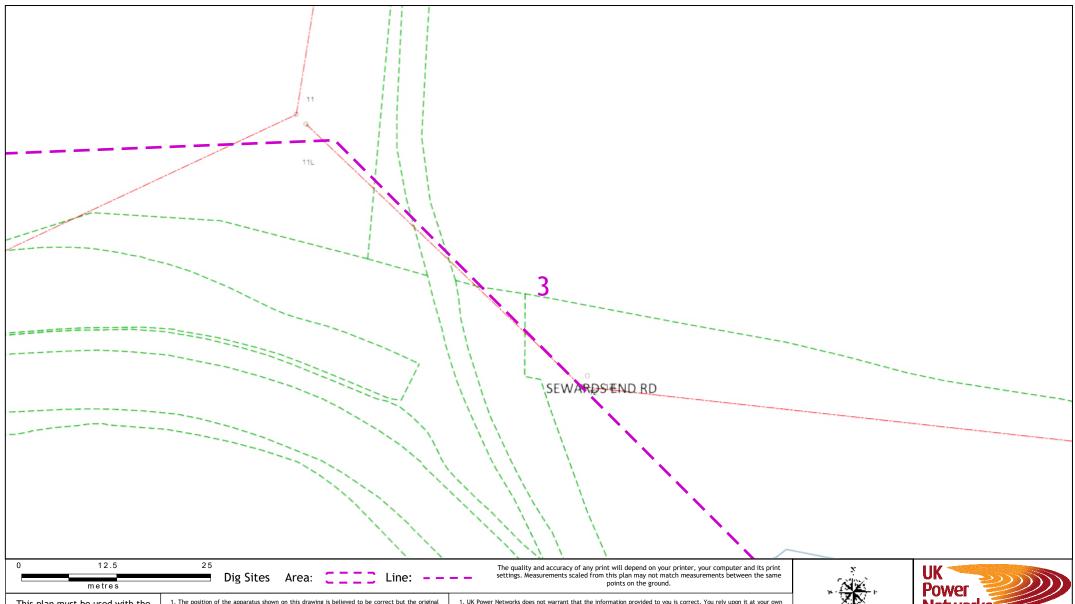
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IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY



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

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Date Requested: 19/11/2020 Job Reference: 20533823 Site Location: 555218 237748 Requested by: Mr Joe Shawyer

Your Scheme/Reference: 27201

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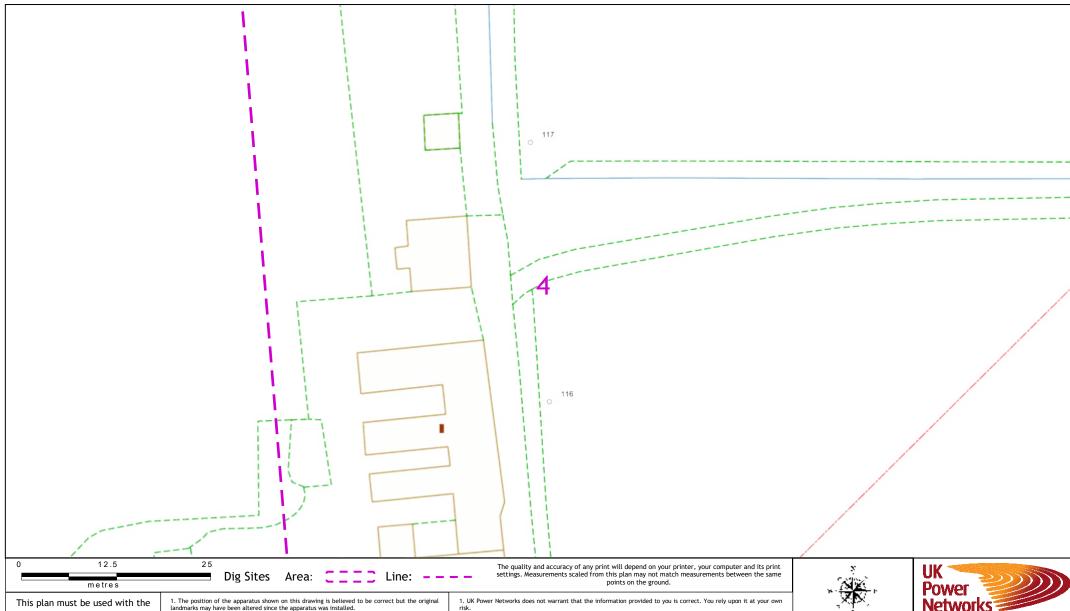


IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY



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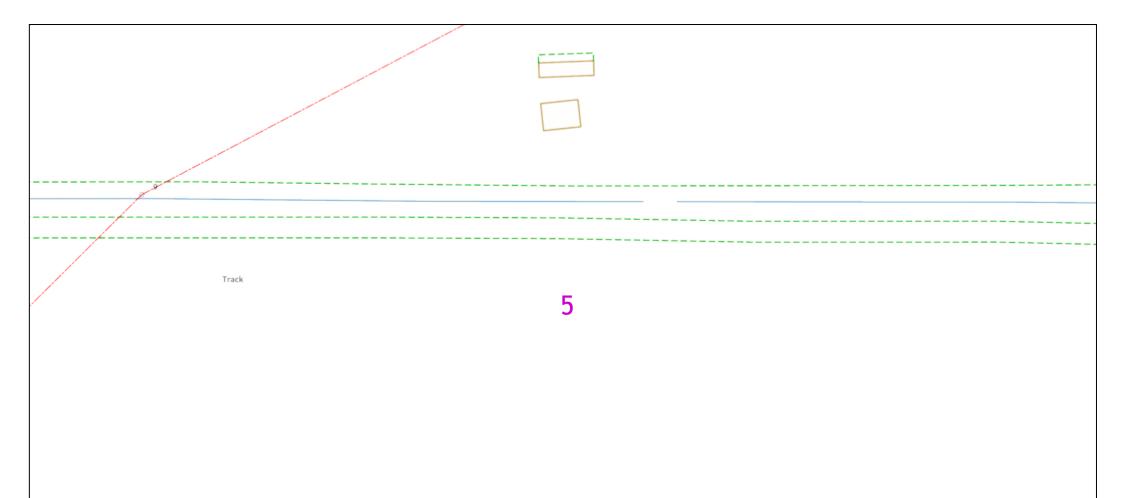


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0 12.5 25

Dig Sites Area: CIII Line:

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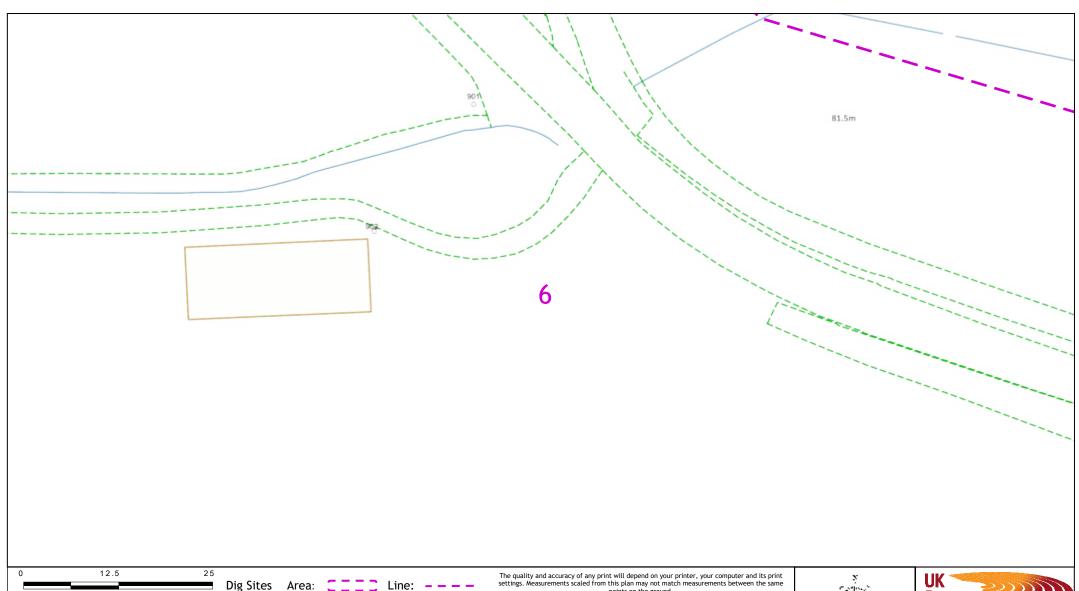
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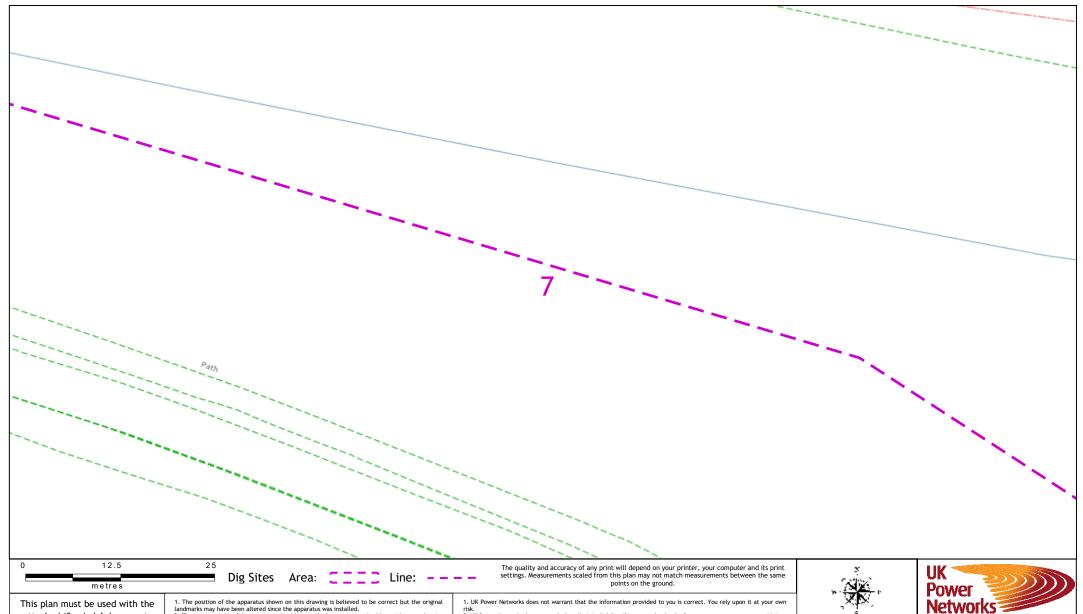
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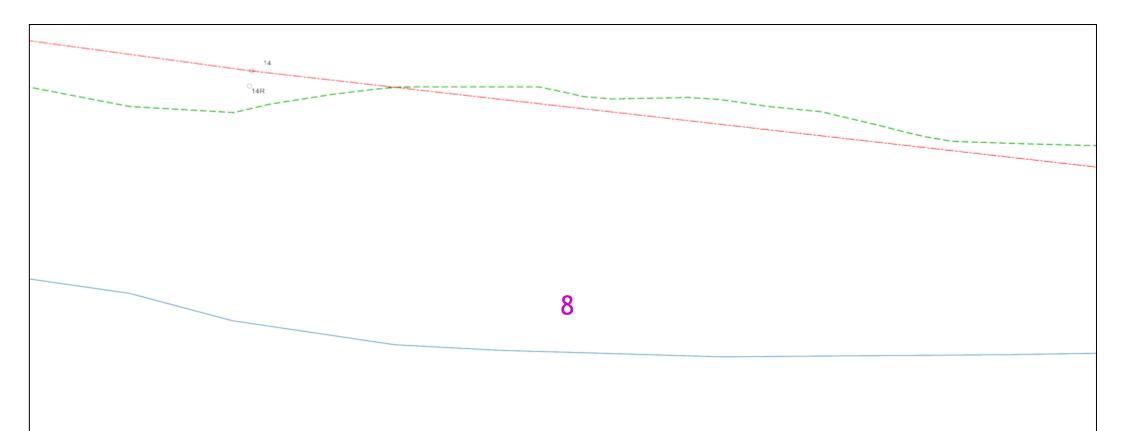
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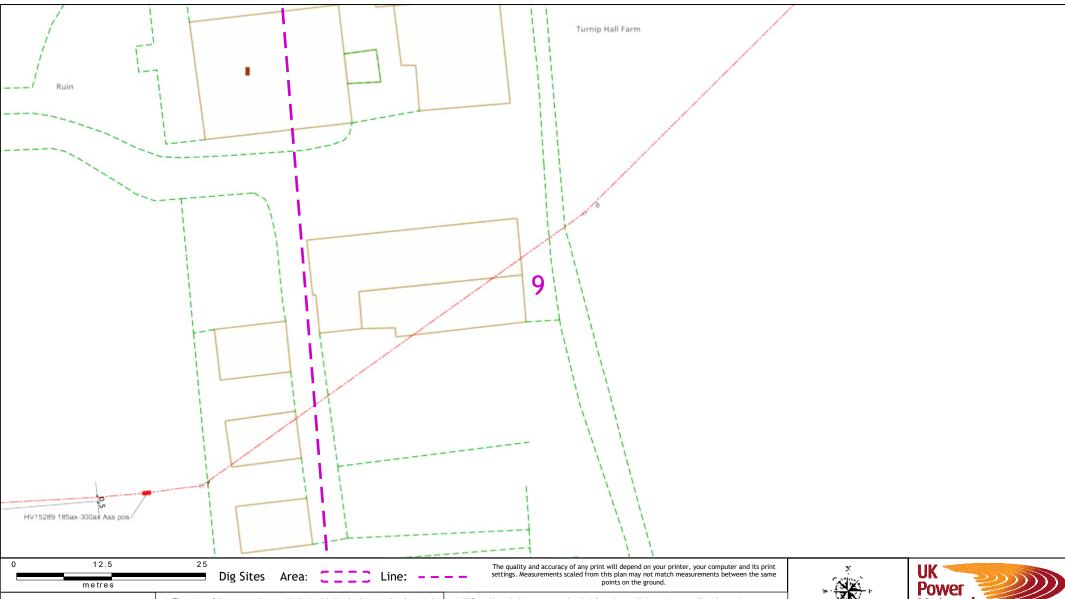
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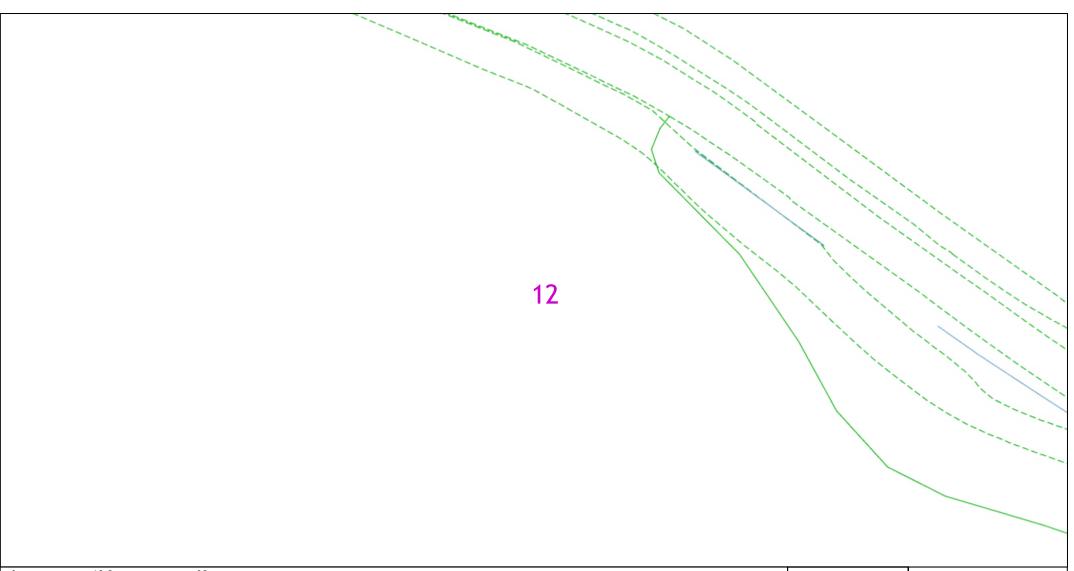


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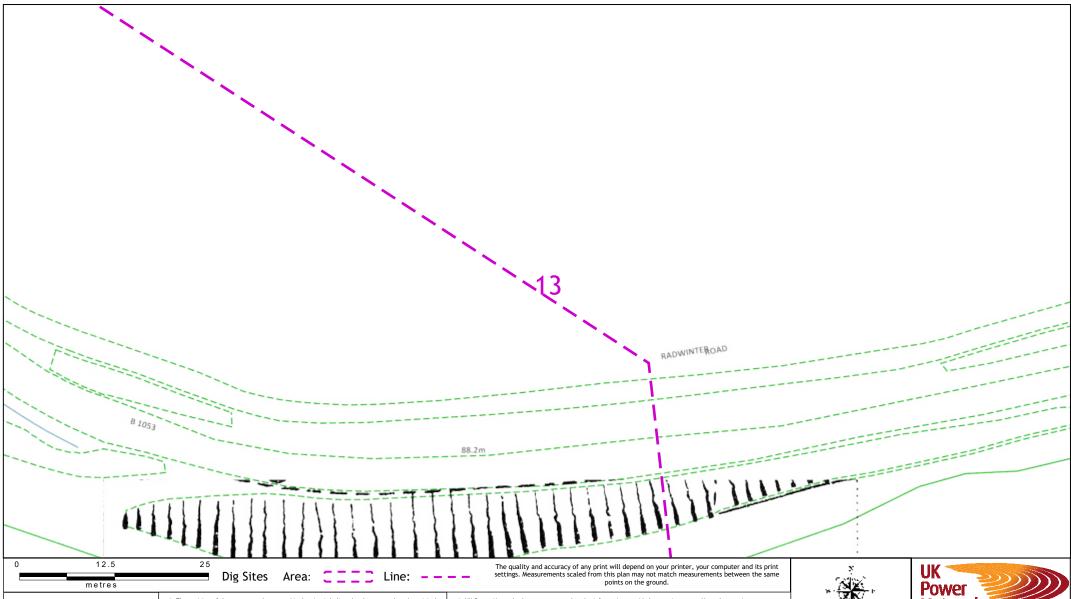
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Power

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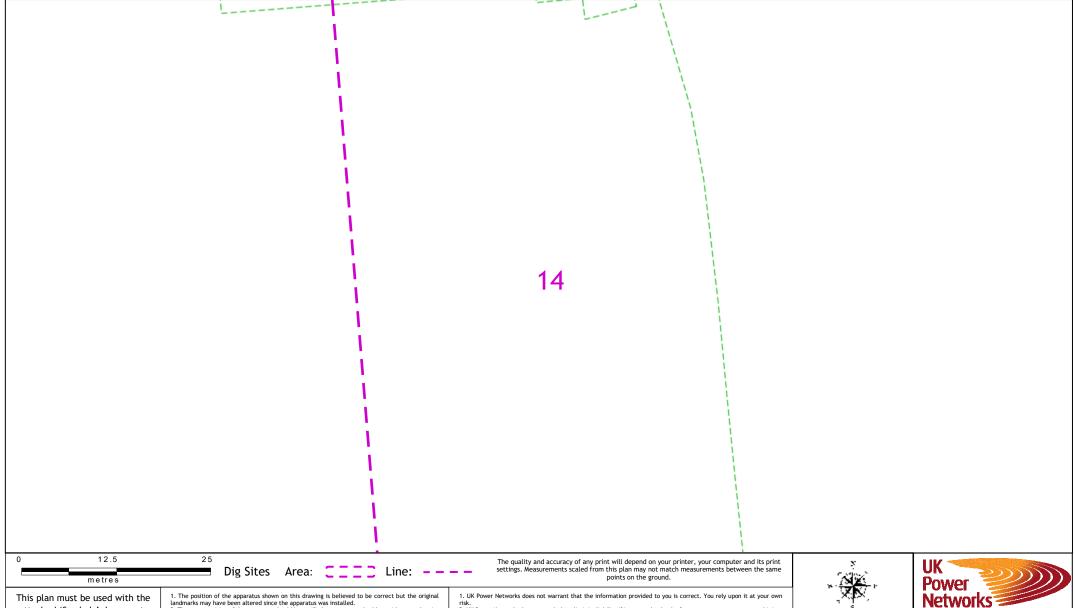
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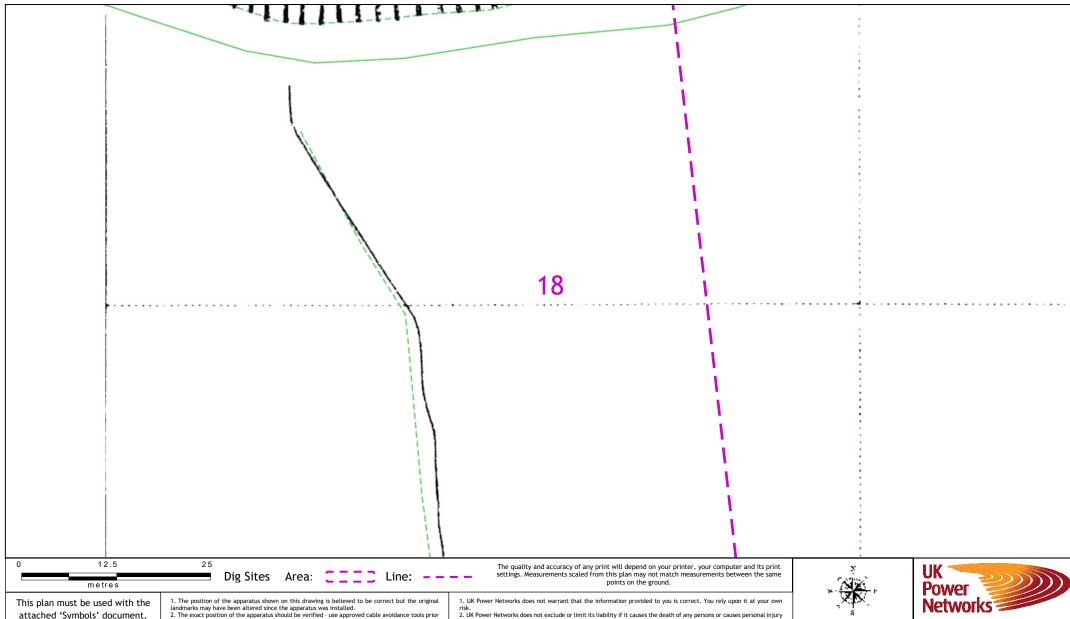


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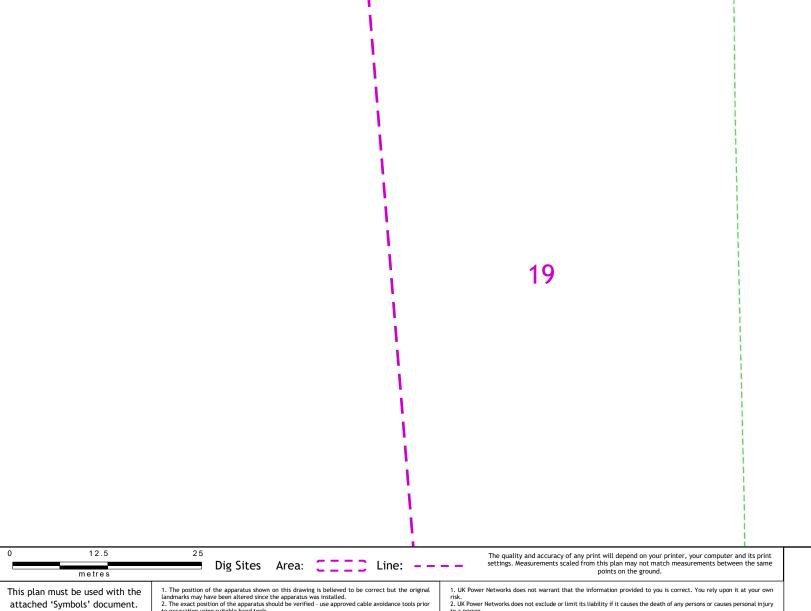
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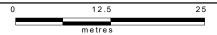
BEFORE YOU START WORK

note GS6



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Dig Sites Area: _ _ _ Line: - -

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Date Requested: 19/11/2020 Job Reference: 20533823 Site Location: 555218 237748 Requested by: Mr Joe Shawyer

Your Scheme/Reference: 27201

Scale: 1:500 (When plotted at A4)

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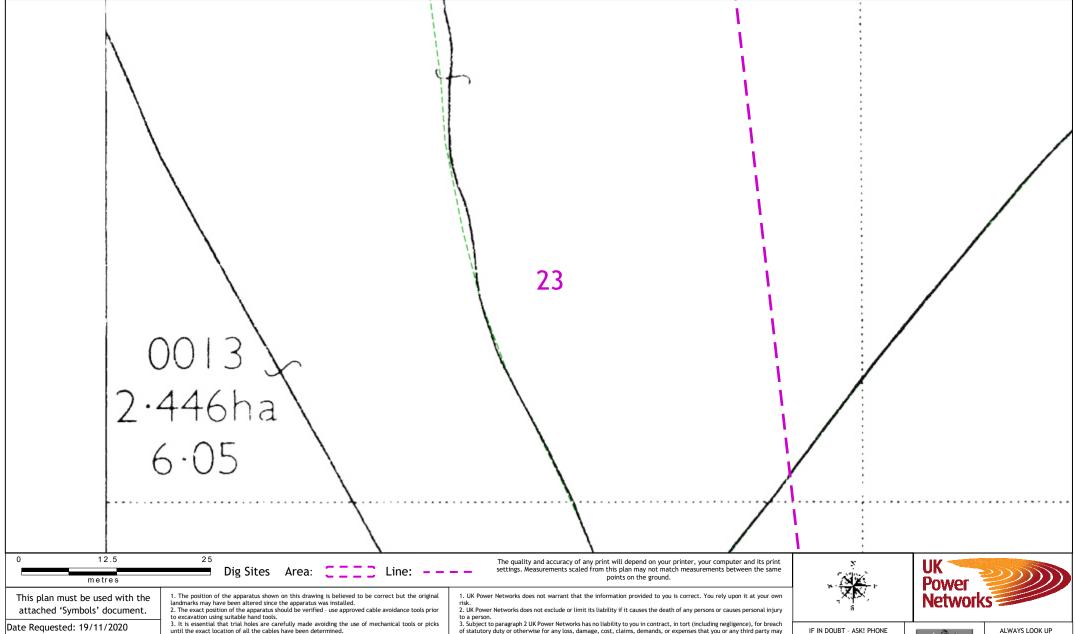


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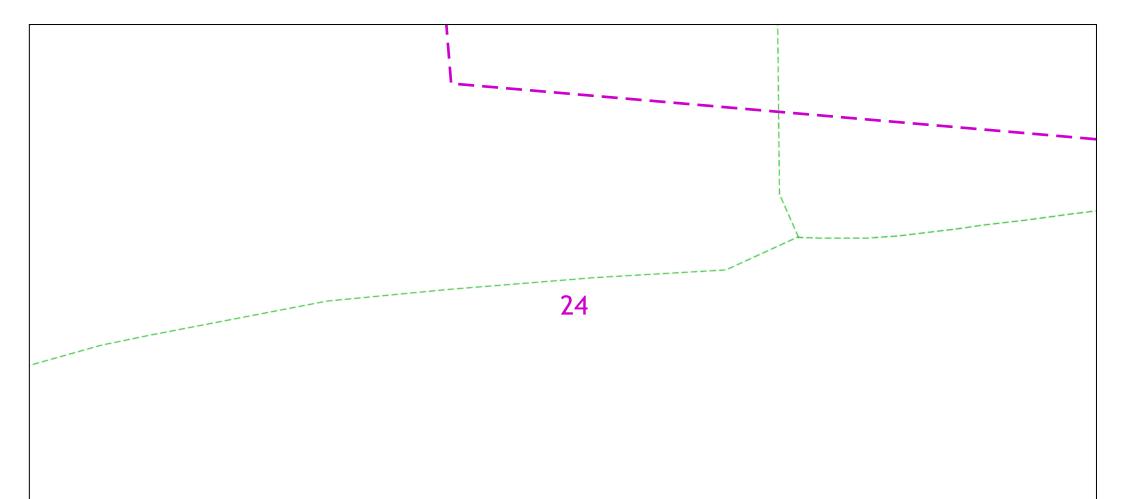
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25 12.5 metres

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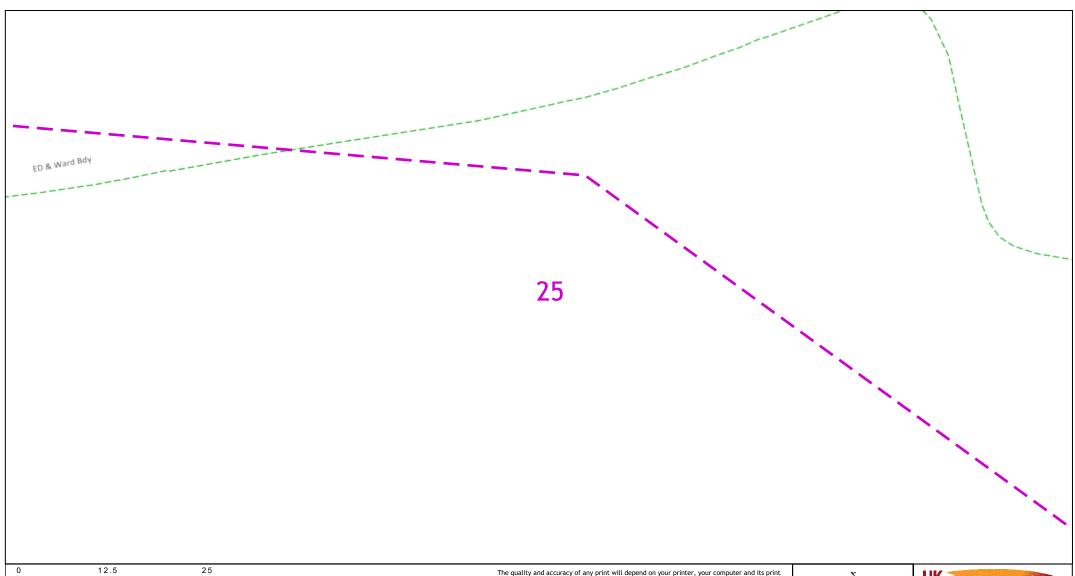
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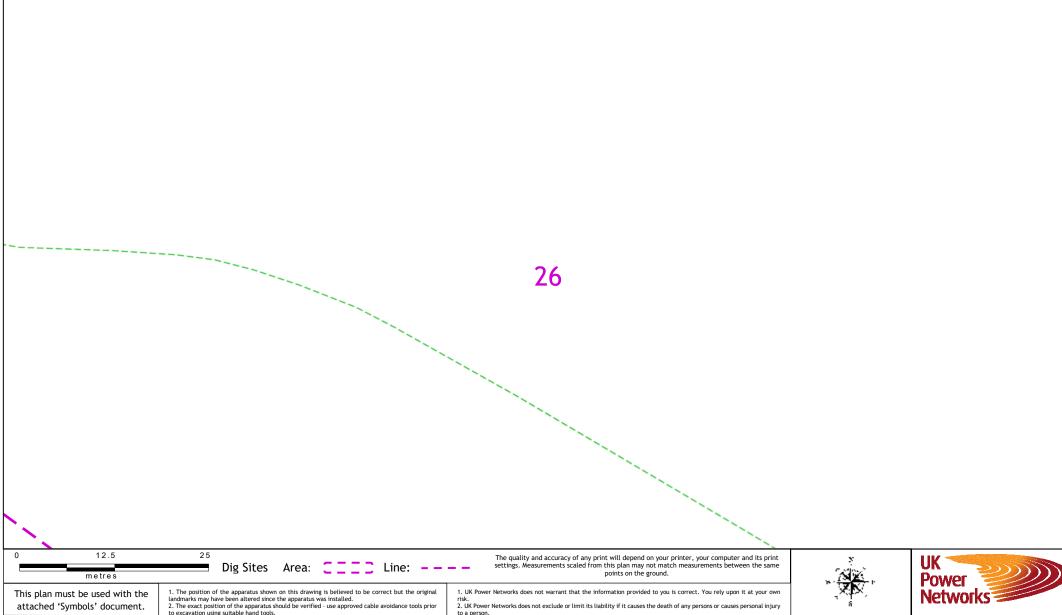
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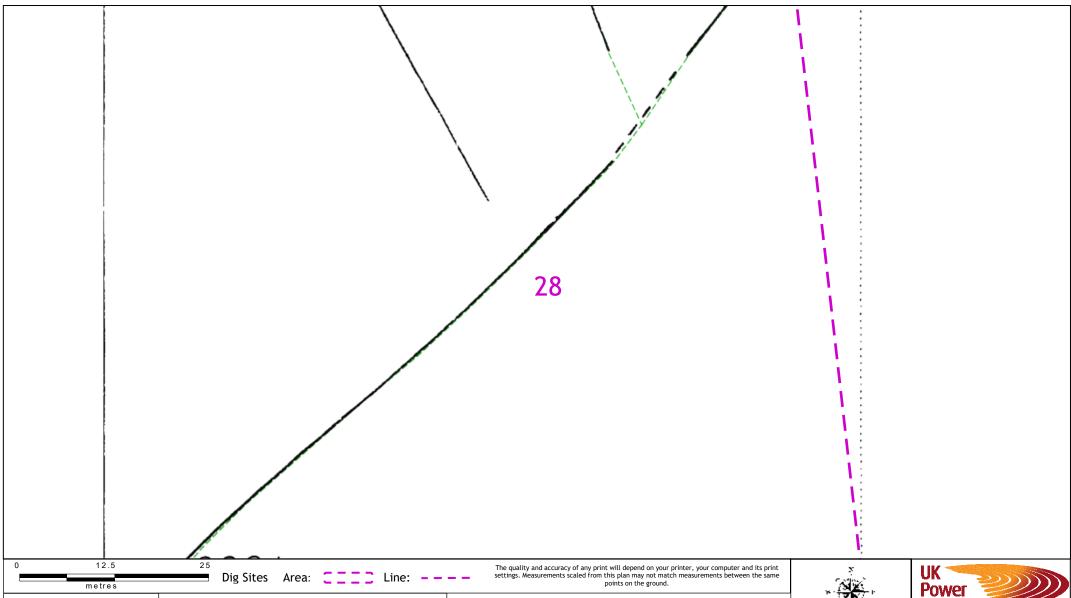


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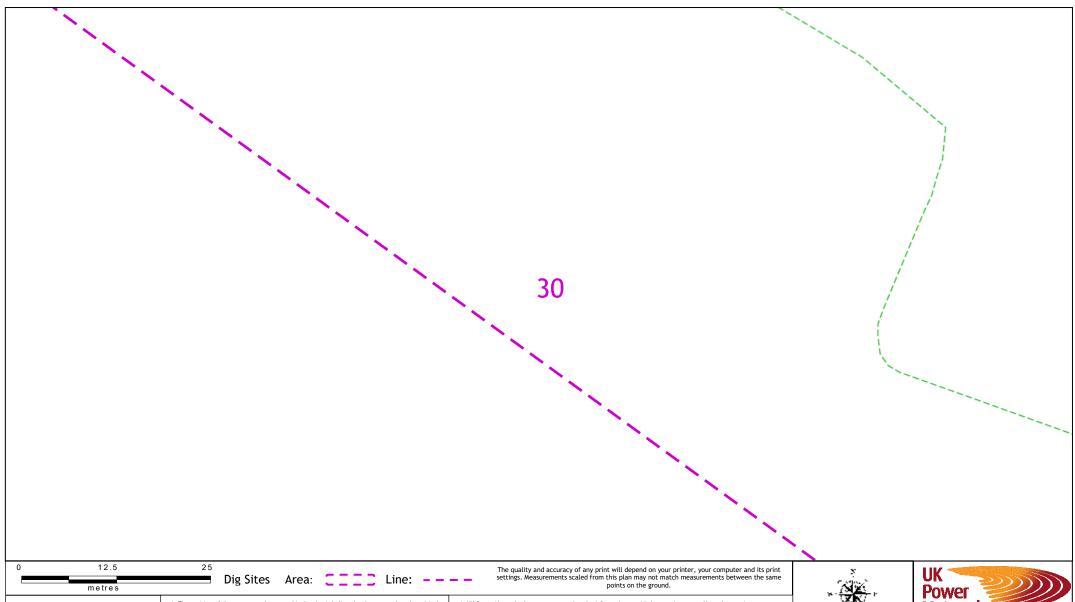


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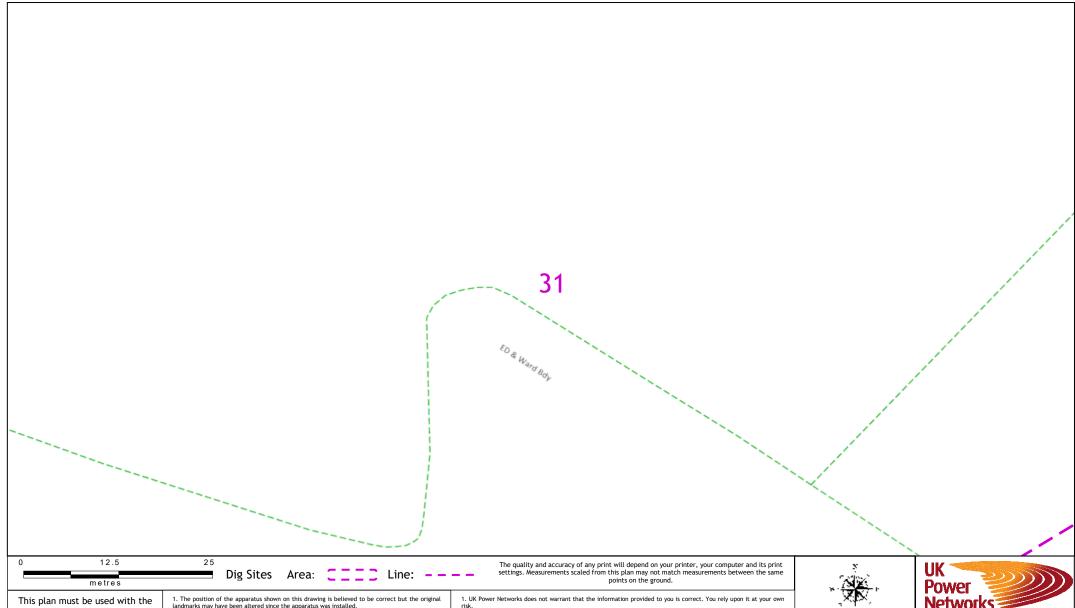


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- of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever
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- 6. Please Note: The Overview map does not display UK Power Networks electricity network and should not be used for the location of UK Power Networks assets. For detail of the electricity network please view the relevant page as highlighted in the Overview map.

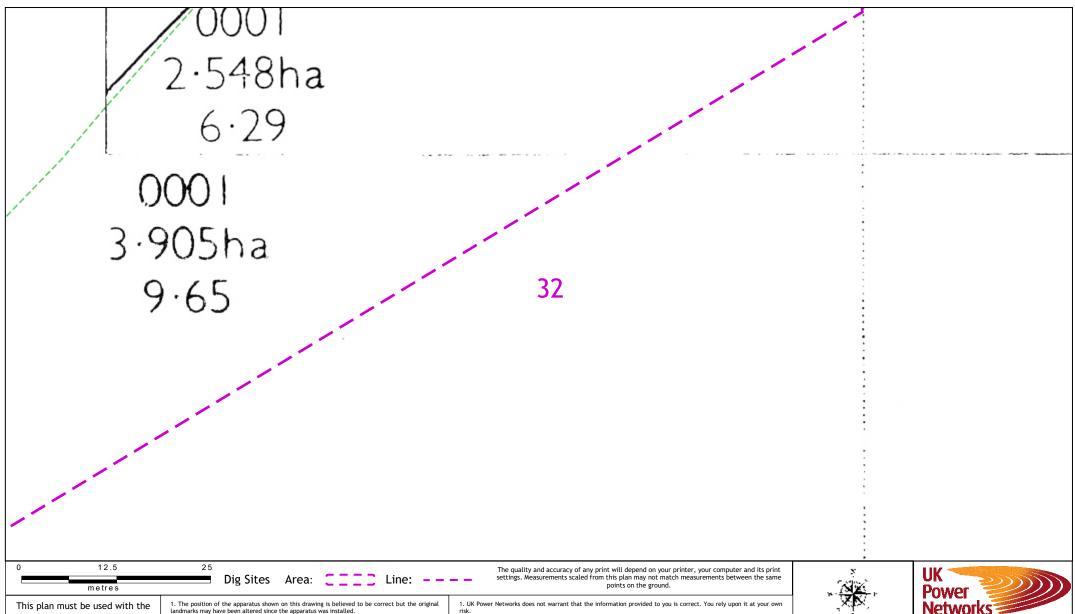


IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) LIRGENTI Y



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.



attached 'Symbols' document.

Date Requested: 19/11/2020 Job Reference: 20533823 Site Location: 555218 237748 Requested by: Mr Joe Shawyer

Your Scheme/Reference: 27201

Scale: 1:500 (When plotted at A4)

2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.

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- 8. Please be aware the Low Voltage Overhead power lines are not currently displayed for the Eastern Region via this service, if you require records on the location of these please contact our Plan Provision team directly via plans@ukpowernetworks.co.uk.
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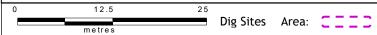
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The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

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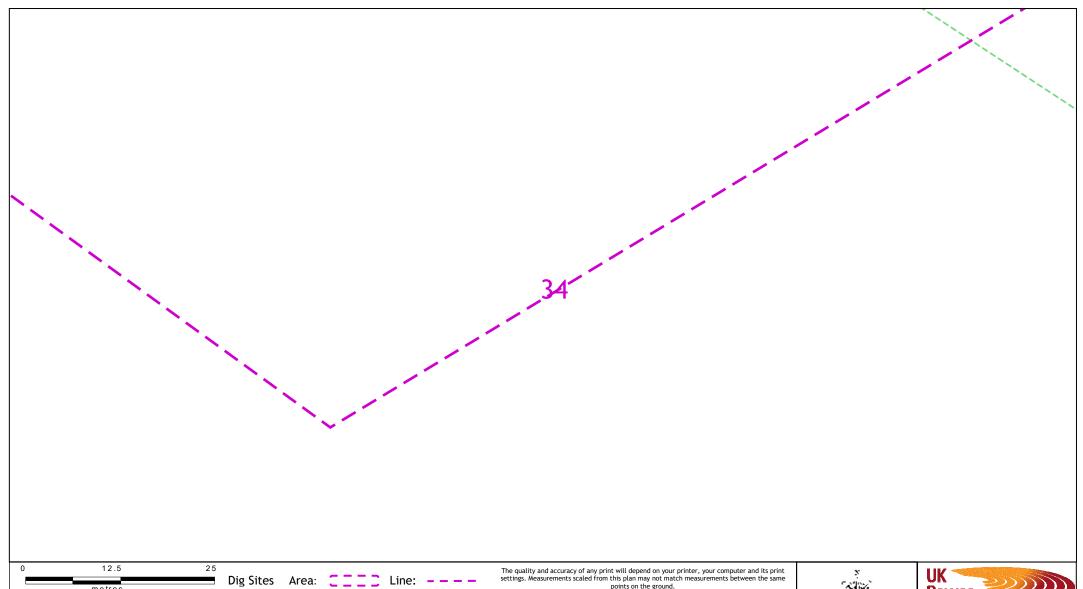


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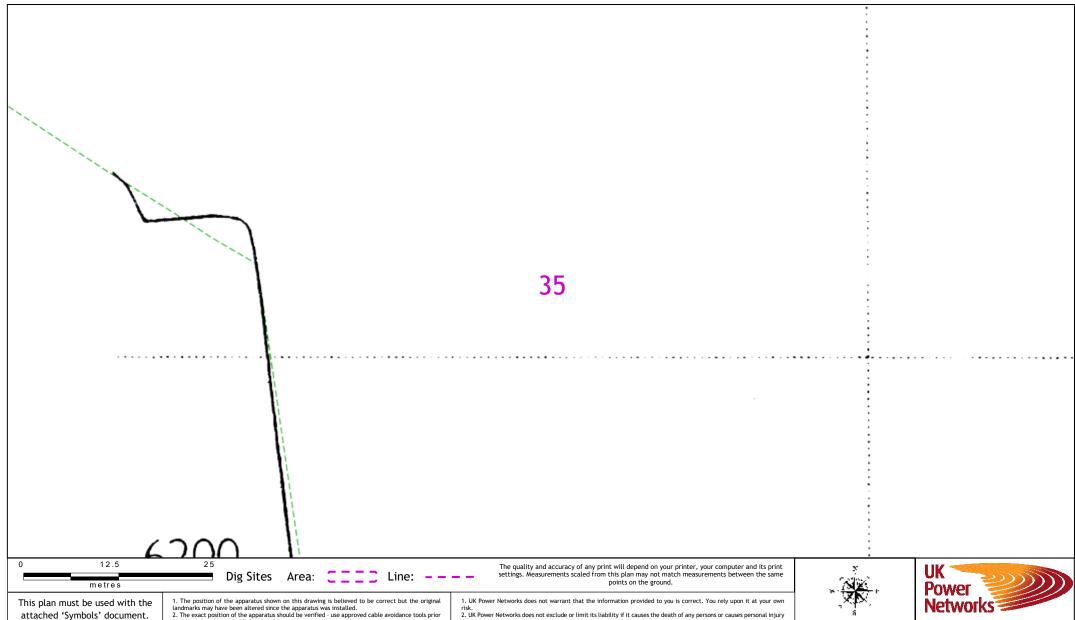
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to excavation using suitable hand tools

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- to a person.

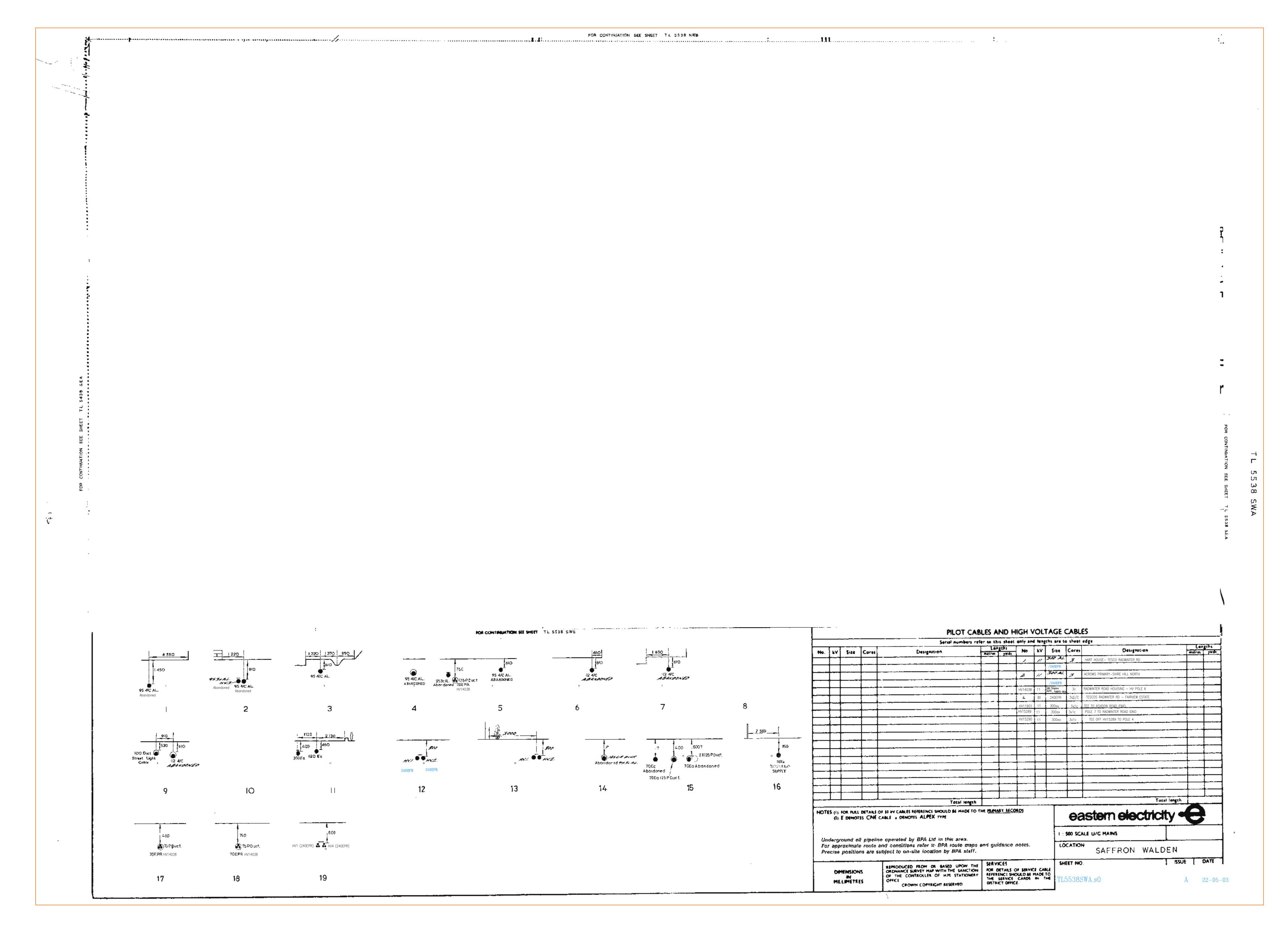
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Network Records NetMAP Symbols Booklet East of England

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 2		Guidance notes. The area covered by this guide.
3	1:500 view	
4 7 8 9 10 11 13 14 15		Scenery. Scenery (UK Power Networks use only). Primary distribution cables (EHV). Secondary distribution cables (HV/LV). Service cables/terminations. Cable ducts. EHV/HV/LV sites. Mains joints. Service joints. Cross sections. Common abbreviations/terminology (all views).
19	1:2500 (LV) &	1:10000 (HV) network views (UK Power Networks use
20 22	only).	General. 1:2500 scale LV network. 1:10000 scale HV network.
23	LV network dia	agram view (UK Power Networks use only).
24 25 26		Overhead lines. Underground cables. Joints. Substations/pole transformers.

Guidance notes.

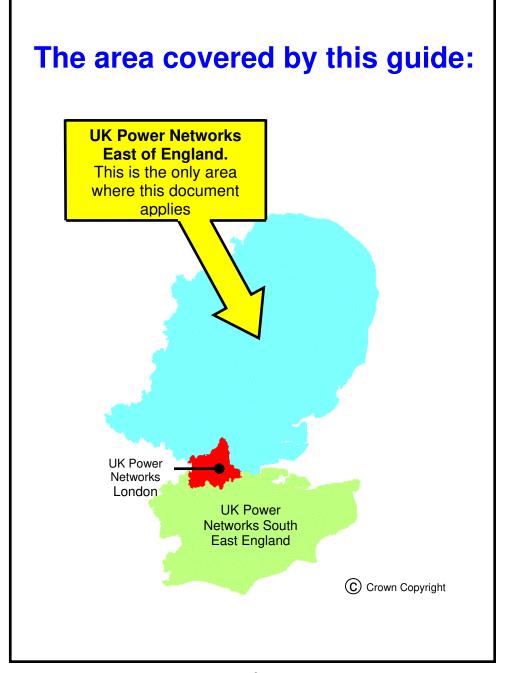
Important notice:

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



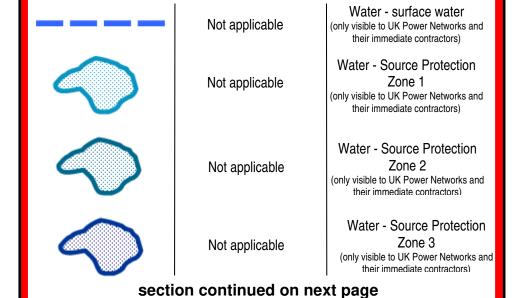
1:500 view - underground network

	Scenery	
NetMAP system	Scanned image	Description
		100 metro Crondrice Silrycy grid ine (on 0/S posed maps chy.) Propelly Terice line
		Bulking it e Kerb ine
		Ketifea Bouneary

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)

Note: Pipelines are only viewable on NetMAP by UK Power Networks staff and their immediate contractors. Do not carry out any excavation without consent from the relevant agency - legally protected high pressure petroleum products pipeline route in the general vicinity - consult www.linewatch.co.uk for contacts and guidance. Pipeline contact numbers can also be found on the intranet – out of hours, contact our Control Centre.



Scenery for UK Power Networks use only - boxed in red		
NetMAP system	Scanned image	Description
9	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)
	AM 200	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)		
Scanned image	Description	
	Over 33kV and up to 132kV	
10000 100000 100000 100000 100000 100000 100000 100000	Over 11kV and up to 33kV	

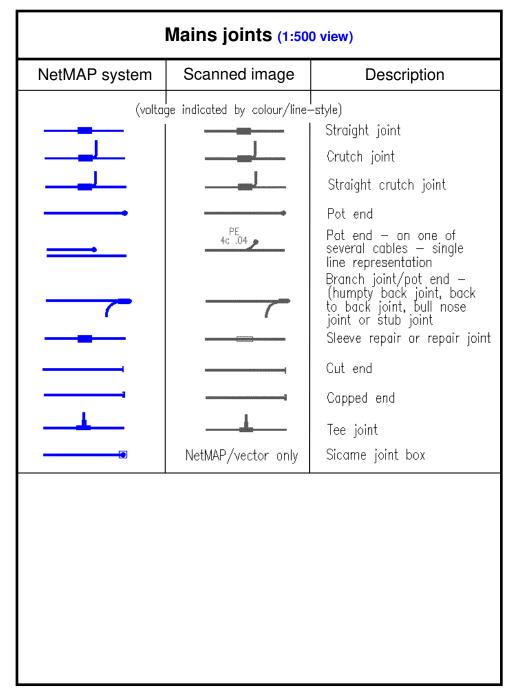
Secondary distribution cables (1:500 view)		
NetMAP system	Scanned image	Description
		Over 230/400V and up to 11kV (HV) cable route
		230/400V (LV) cable route
	(Only shown this way if independent from HV cable route)	Pilot cable route
Abandoned cables a	rindependent from two cable following in the shown and labelled as	such when applicable

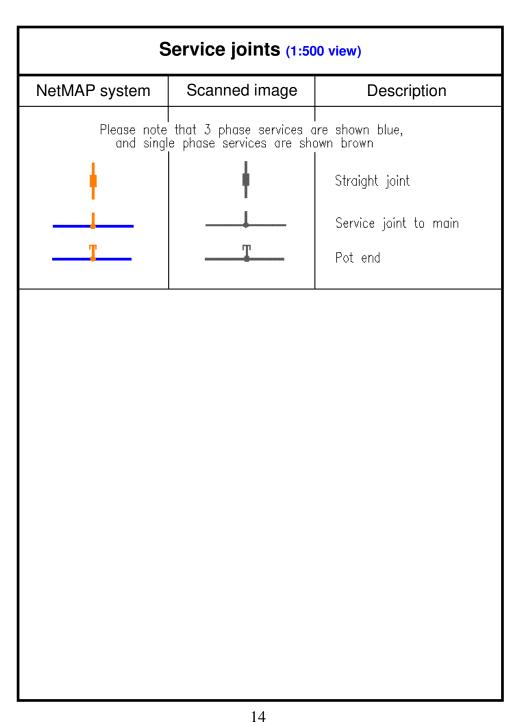
Service cables and terminations (1:500 view)		
NetMAP system	Scanned image	Description
Street gitt	Sample routes were not clyuse shown on MAI they acronowed shown this hold control cont	A phase consider with termination 3 phase service with termination (in known rough) 5 characteristics with multi-inequal formittion. Single characteristics with committee with committee with committee with committee with committee in the committee of committee of committee of committee.

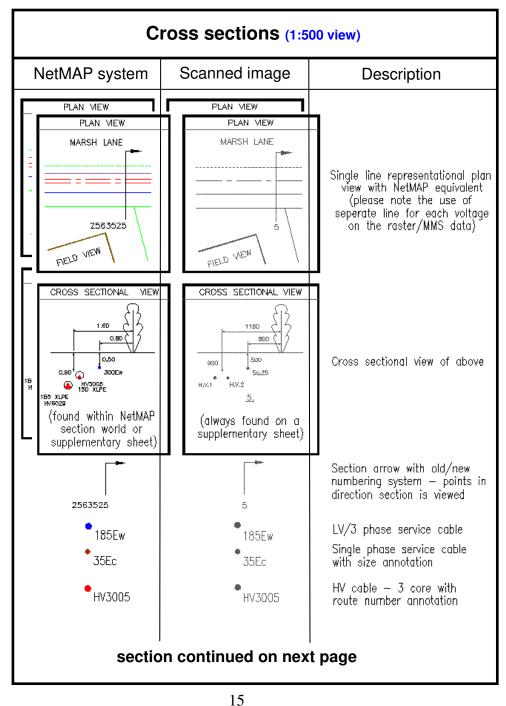
	Cable ducts (1:500) view)
NetMAP system	Scanned image	Description
		Empty duct Caple(s) in least(s) Cable(s) in stact(s) (on some sester maps)
 [=======================================	Vultible cobles in duels Vultible caples in duals (on semo restor made)

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
	отполности	Link box — 2 way
	BRADINGS COM	Link box — 4 way (6 way etc shown similarly)
عالًا ا		Feeder pillar — 4 way (6 way etc shown similarly)
CHURCH RD	CHURCH RD	Pole transformer
\bigcirc^3 \bigcirc	$ \begin{array}{c} \begin{array}{c} & \bigcirc & 3 \\ & \bigcirc & \\ & \bigcirc & \end{array} $	Poles on underground records
0-0	0-0	H pole, any voltage
▼		Service turret (solid type)
sectio	n continued on nex	t page

EHV, HV and LV sites continued (1:500 view)		
NetMAP system	Scanned image	Description
No NetMAP equivalent	∇	Service turret (with link facility on LV main)
CAUTION Missing Information	No equivalent	Missing data in or near this location
Santoniinated Land refer to SHb 01 018	Not applicable	Contaminated land reference







NetMAP system	Scanned image	
♣ HV3005	ocarrica irriage	Description
	♣ HV3005	HV cable — modern EPR, Plam and Triplex with route number annotation
•	•	Pilot cable
• HV1023	HV3005	33kV cable
HV3005	HV3005	132kV cable
0	0	Single duct
888	888	6 way duct formation — irrespective of duct type and material, all are displayed similarly
_		Protective slab Tiles
_	_	Concrete slabs
_	NONEMPECS.	33kV fibre warning board
-	_	Steel plate
_	— т/т	Plastic tile tape
Timber —	[ZZZ]	Timber

Abbrev.	Description	Abbrev.	Description
1c 1ph 2c 3c 3ph ABC ABI ABSD ACCS AI AR ASL ax CB c/c ccc CCT CNE Cross phased CSE Cu	Single core Single phase Two core Three core Three phase Aerial bunched (bundled)	Cut out or C/O ox DE DSTA Ea EFI EHV ELCB ELT EPR Ew E/W Fdr or Feeder F/G F/P GRP GVR HV HYBRID Insulation Insulator ITC	Meter/main fuse position Triplex (copper) Direct earth Double steel tape armoured Alpex cable Earth fault passage indicator Extra high voltage (11,001 Volts and over) Earth leakage circuit breaker Earth leakage trip Ethylene propylene rubber Waveform cable Earthenware duct or earth wire LV or HV cable fed by or feeding a substation Fuse gear Feeder pillar Fibreglass substation Gas vacuum recloser or pole mounted circuit breaker High voltage (1,001— 11,000 Volts incl) Modern plastic cable with mixed conductor material
	section continued on next page		

Common abbreviations and terminology continued (all views)

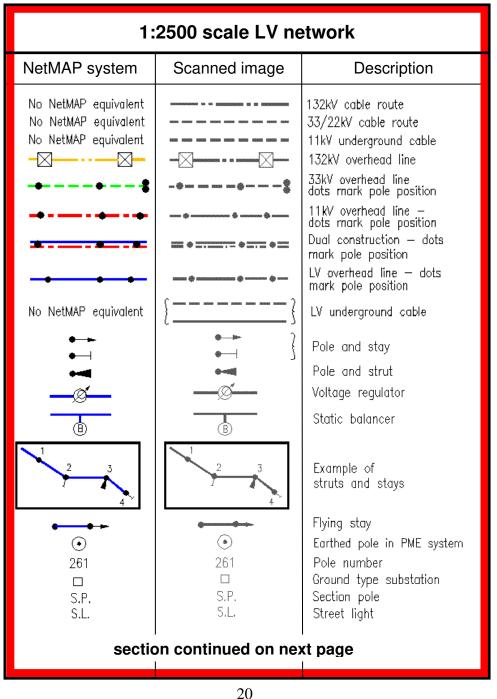
Abbrev.	Description	Abbrev.	Description
or LB LSF LV	Connecting lead between open points, section points and overhead plant Kilovolt (or 1,000 Volts) — unit of electrical pressure Kilowatt (1,000 Watts) — unit of electrical power Kilovolt Amps or power Means of connecting LV feeders together using links or fuses Low smoke & fume Low voltage (up to 1,000 Volts incl) Low voltage fuse distribution board Return path of live cable Overhead line Oil filled pole mounted sectionaliser Oil filled pole mounted recloser Pole mounted LV fuse unit Pot end or potential end — joint on cable end 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	PICAS PILC PILSTA PME PMT PMR PT C RM S / L etc T / F or TX S / S / S / S / S / S / S / S / S / S /	

17

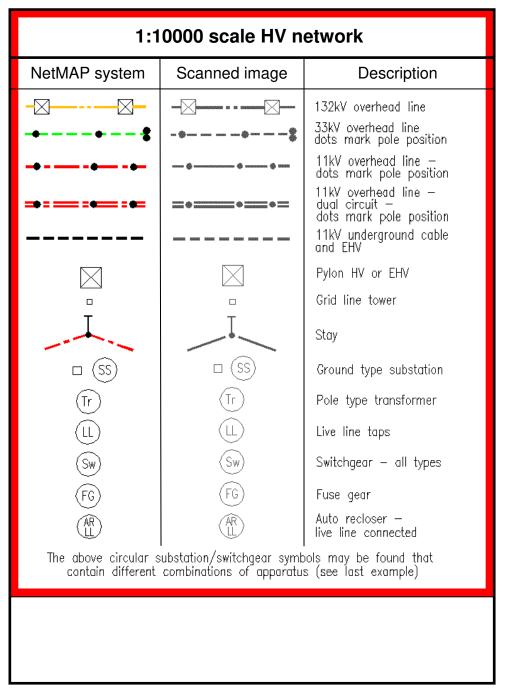
1:2500 & 1:10000 view - overhead networks - for UK Power Networks use only - boxed in red

General			
NetMAP system	Scanned image	Description	
•	00	H pole Pole	

19



1:2500 scale LV network continued		
NetMAP system	Scanned image	Description
O.R. Stay Ext. Brkt P. Box N.E. O.R. Brkt	O.R. Stay Ext. Brkt P. Box N.E. O.R. Brkt	Outrigger stay Extension bracket Pole box Neutral and earth Outrigger bracket

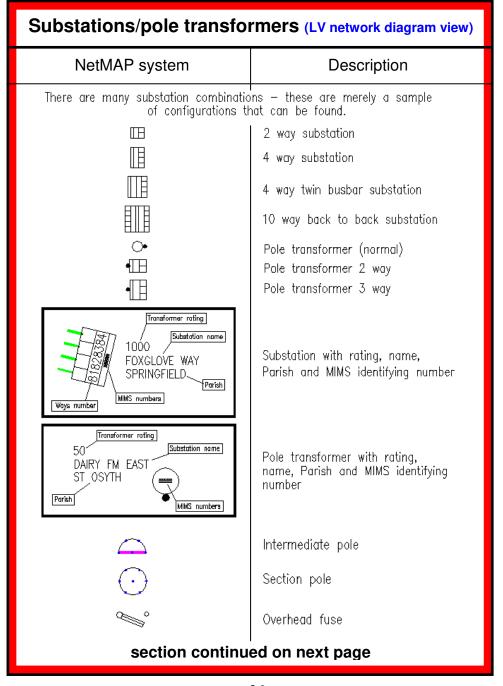


LV network diagram view-for UK Power Networks use only-boxed in red

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	







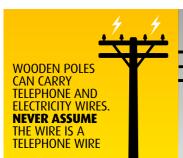


Every year, people are killed or seriously injured when they come into contact with high voltage electricity.

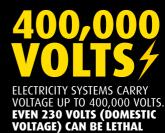
This can have a far-reaching and devastating effect on family, friends and colleagues.

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

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











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



Power Networks

Delivering your electricity





POWER CUT?
CALL 105

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

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











CABLES ARE



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

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



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

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

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

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



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



Keep well away - Electricity can kill

Remember:

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



How can we help?

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

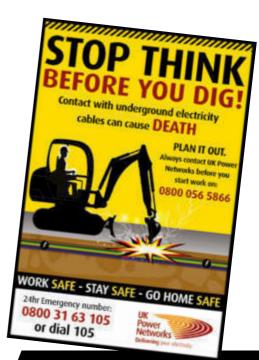
Further advice and guidance is available from the Health and Safety Executive (HSE):

HSG85 - Electricity at Work – Safe Working Practices GS6 - Avoiding Danger from Overhead Power Lines HSG47 - Avoiding Danger from Underground Services

What to do in an emergency

If a mains electricity cable is damaged:

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



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

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



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

- Contact UK Power Networks or Line Search Before U Dig (LSBUD) in advance of the works to obtain relevant cable plans or to request disconnections. The cable plans will only show the indicative route and not the route into the property
- fensure the cable plans are shown to and understood by those on site BEFORE starting work
- Confirm the cable location by using a Cable Avoidance Tool (CAT) before digging commences. Once found, mark cable positions with spray paint or similar

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

- Complete a risk assessment and ensure it covers electrical hazards
- Use spades and shovels with insulated handles in preference to forks and picks
- Look around for anything in the vicinity that would have an electricity service such as street lights, CCTV cameras, or meter boxes and identify where the cables are
- Look for electrical wires, cables and equipment near to where you are going to work and check for warning signs and any other hazards
- Contact UK Power Networks to agree a safe method of work if there is a cable encased in concrete,
 DO NOT BREAK OPEN
- Make sure everyone on site is aware of the presence and location of electrical cables
- Before demolishing a building make sure supplies are disconnected, preferably well clear of the work area. For guidance on how to arrange a disconnection visit www.ukpowernetworks.co.uk

NATIONAL POWER CUT HELPLINE





Stop! Think before you dig!

#bebrightstaysafe



@UKPowerNetworks



f /ukpowernetworks

National power cut helpline

POWER CUT? CALL 105 Or call us 24 hours a day on 0800 31 63 105



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

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

what3words



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





Utility Assets Ltd

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

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

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

Asset Manager - Utility Assets Ltd

Francesca Margiotta

From: plantenquiryservice@gtc-uk.co.uk

Sent: 19 November 2020 12:52 **To:** Francesca Margiotta

Subject: GTC Plant Enquiry - Ref- 1591343

Attachments: 1591343.png; GU-DPR-IG-0022 Safe working in the vicinity of utility networks.pdf

Warning: GTC Apparatus Exists in This Area

Our Plant Enquiry Service Ref: 1591343

Your Enquiry Ref: 27201FM-

Dear Francesca,

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.

N0017329

Gas

- N0017329-1 1 of 4.png
- N0017329-1 2 of 4.png
- N0017329-1 3 of 4.png
- N0017329-1 4 of 4.png

Electric

- EN0017329-1 1 of 4 Entire Site.png
- EN0017329-1 2 of 4.png
- EN0017329-1 3 of 4 Temp.png
- EN0017329-1 4 of 4 LRC.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
- Open Fibre Networks Limited
- Independent Community Heating Limited

If you have any gueries 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.

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

<u>Electricity</u> Network Damage MUST be reported to ENC on 0800 032 6990. <u>Water</u> 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
Synergy House
Woolpit Business Park
Woolpit
Bury St Edmunds
Suffolk, IP30 9UP
Tel: 01359 240363

plant.enquiries@gtc-uk.co.uk

NOTE:

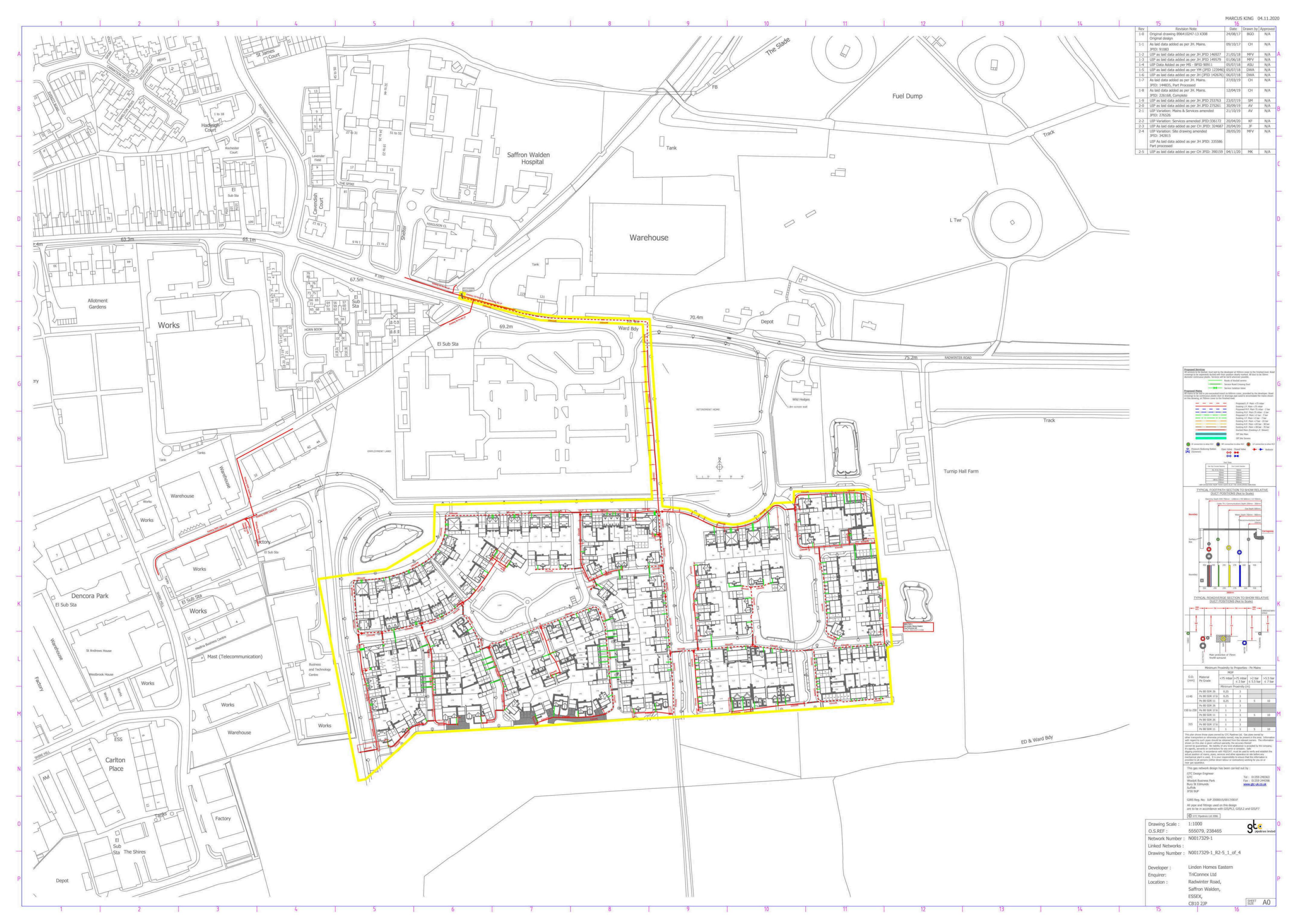
This E-Mail originates from GTC, Synergy House, Woolpit Business Park, Woolpit, Bury St Edmunds, Suffolk, IP30 9LIP

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

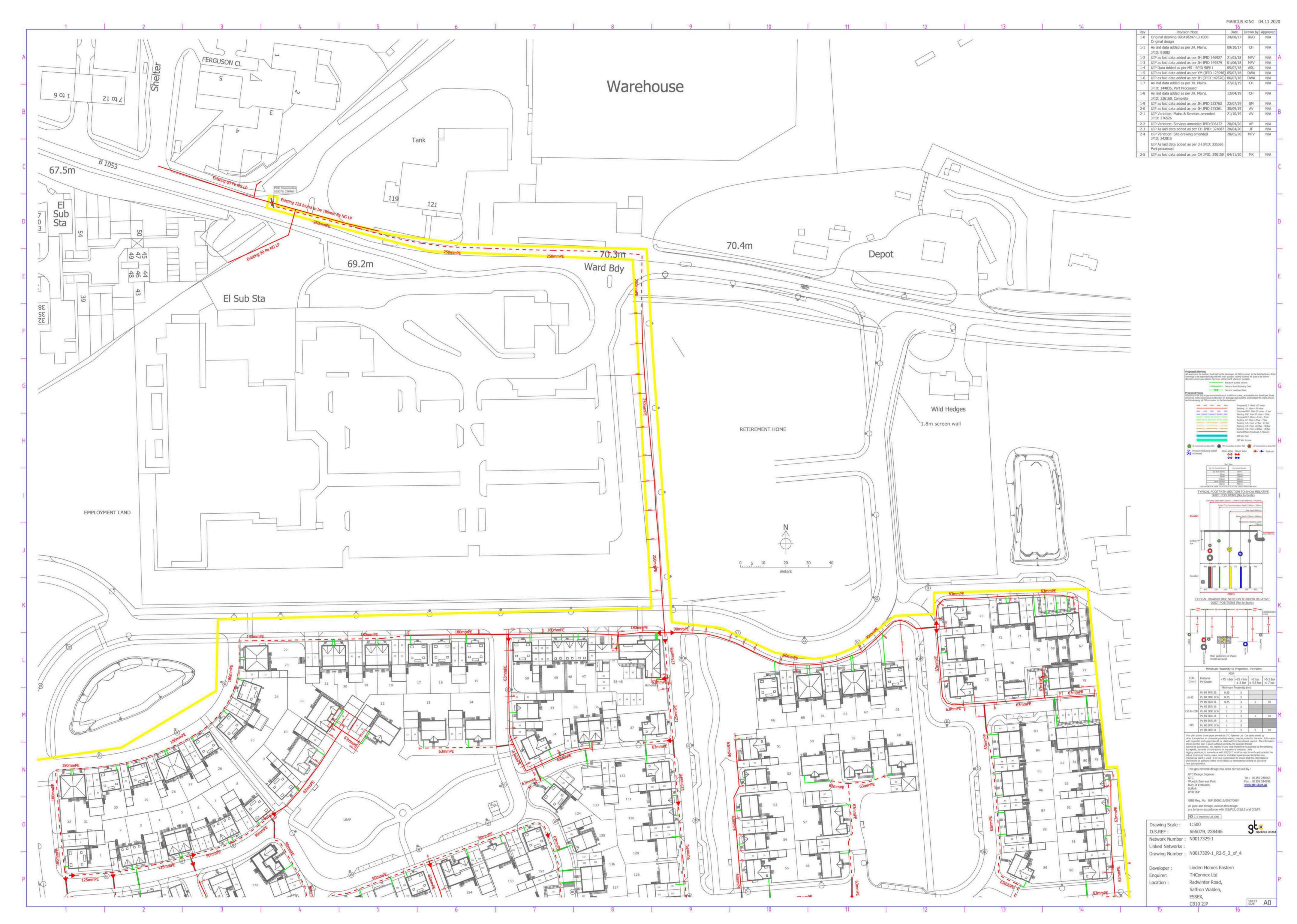
DISCLAIMER

The information in this E-Mail and in any attachments is confidential and may be privileged. If you are not the intended recipient, please destroy this message, delete any copies held on your system and notify the sender immediately. You should not retain, copy or use this E-Mail for any purpose, nor disclose all or any part of its content to any other person. Whilst we run antivirus software on Internet E-Mails, we are not liable for any loss or damage. The recipient is advised to run their own up to date antivirus software. Thank you

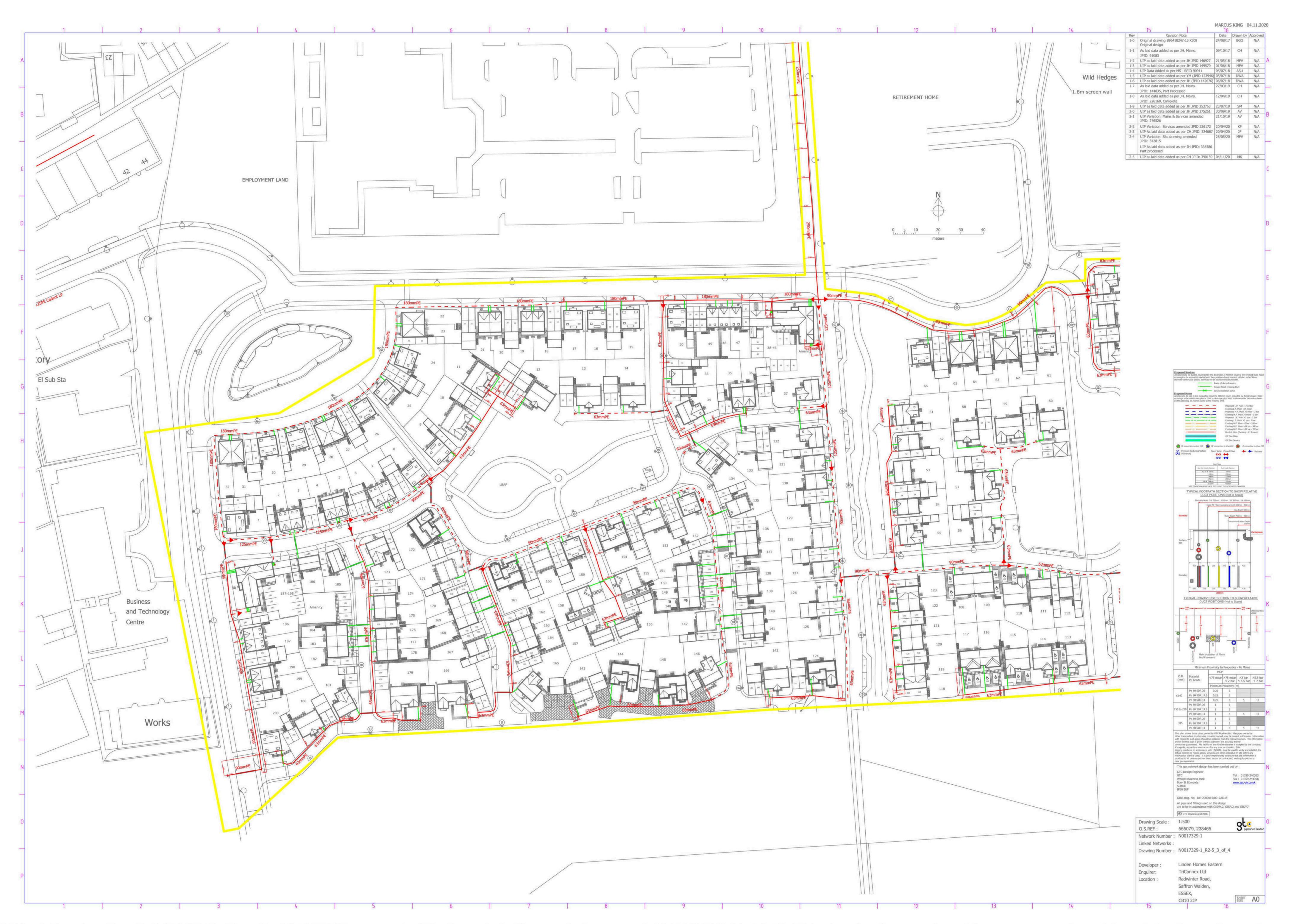




GTC Plant Enquiry. Our Ref 1591343, Your Ref 27201FM- generated for fmargiotta@groundwise.com at 19/11/2020 12:51:49. This drawing is reproduced from our records archive at the time of enquiry.



GTC Plant Enquiry. Our Ref 1591343, Your Ref 27201FM- generated for fmargiotta@groundwise.com at 19/11/2020 12:51:51. This drawing is reproduced from our records archive at the time of enquiry.



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GTC Plant Enquiry. Our Ref 1591343, Your Ref 27201FM- generated for fmargiotta@groundwise.com at 19/11/2020 12:51:55. This drawing is reproduced from our records archive at the time of enquiry.



- 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.



SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

General

- 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.



- 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 750mn 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 corrosions 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 indictor 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



Francesca Margiotta Groundwise Searches Ltd Suite 8 Chichester House 45 Chichester Road Southend on Sea Essex SS1 2JU

Plant Protection Cadent Block 1; Floor 1 Brick Kiln Street Hinckley LE10 0NA

E-mail: plantprotection@cadentgas.com

Telephone: +44 (0)800 688588

National Gas Emergency Number: 0800 111 999*

National Grid Electricity Emergency Number: 0800 40 40 90*

* Available 24 hours, 7 days/week. Calls may be recorded and monitored.

www.cadentgas.com

Date: 19/11/2020

Our Ref: EA GE3B 3SWX 753165

Your Ref: 27201FM

RE: Proposed Works, Land off Radwinter Road, Saffron Walden, CB10 2JZ

Thank you for your enquiry which was received on 19/11/2020. Please note this response and any attached map(s) are valid for 28 days.

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

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

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

Your Responsibilities and Obligations

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

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

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

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

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

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

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

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

Yours faithfully

Plant Protection Team

ASSESSMENT

Affected Apparatus

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

- High or Intermediate pressure (above 2 bar) Gas Pipelines and associated equipment
- Low or Medium pressure (below 2 bar) gas pipes and associated equipment. (As a result it is highly likely that there are gas services and associated apparatus in the vicinity)

Requirements

BEFORE carrying out any work you must:

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

GUIDANCE

High Pressure Gas Pipelines Guidance:

If working in the vicinity of a high pressure gas pipeline the following document must be followed: 'Specification for Safe Working in the Vicinity of Cadent and/or National Grid High Pressure Gas Pipelines and Associated Installations - Requirements for Third Parties' (SSW22). This can be obtained from: http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=33968

Dial Before You Dig Pipelines Guidance:

http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=33969

Excavating Safely - Avoiding injury when working near gas pipes:

http://www.nationalgrid.com/NR/rdonlyres/2D2EEA97-B213-459C-9A26-18361C6E0B0D/25249/Digsafe leaflet3e2finalamends061207.pdf

Standard Guidance

Essential Guidance document:

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

General Guidance document:

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

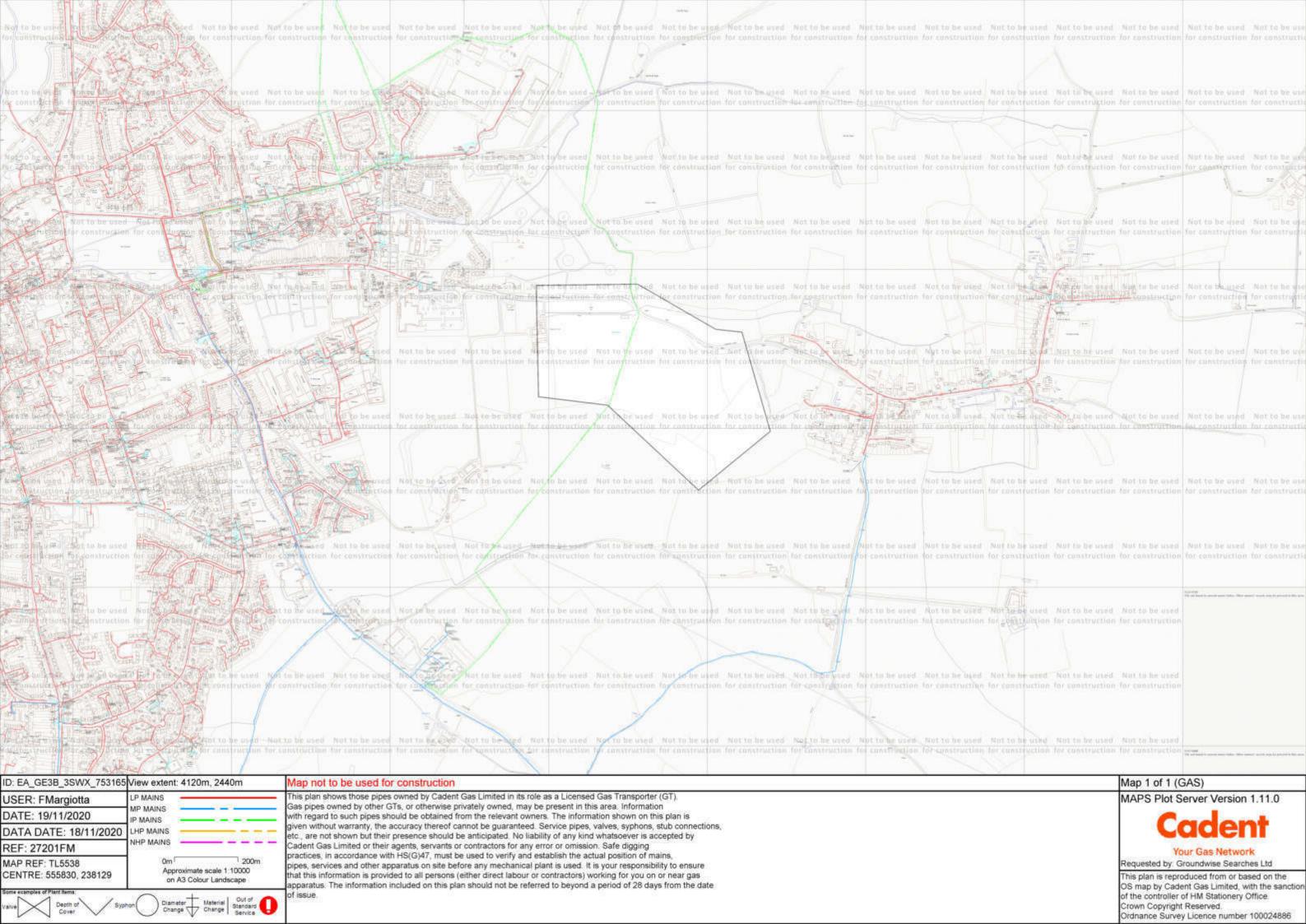
Excavating Safely in the vicinity of gas pipes guidance (Credit card):

http://www.nationalgrid.com/NR/rdonlyres/A3D37677-6641-476C-9DDA-E89949052829/44257/ExcavatingSafelyCreditCard.pdf

Excavating Safely in the vicinity of electricity cables guidance (Credit card):

http://www.nationalgrid.com/NR/rdonlyres/35DDEC6D-D754-4BA5-AF3C-D607D05A25C2/44858/ExcavatingSafelyCreditCardelectricitycables.pdf

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



ENQUIRY SUMMARY

Received Date

19/11/2020

Your Reference

27201FM

Location

Centre Point: 555830, 238129

X Extent: 741 Y Extent: 652

Location Description: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Map Options

Paper Size: A3

Orientation: LANDSCAPE Requested Scale: 10000 Actual Scale: 1:10000 (GAS)

Real World Extents: 4120m x 2440m (GAS)

Recipients

fmargiotta@groundwise.com

Enquirer Details

Organisation Name: Groundwise Searches Ltd

Contact Name: Francesca Margiotta

Email Address: fmargiotta@groundwise.com Telephone: 01702615566 (01702615566)

Address: Suite 8 Chichester House, 45 Chichester Road, Southend on Sea, Essex, SS1 2JU

Description of Works

Land off Radwinter Road, Saffron Walden, CB10 2JZ

Enquiry Type

Proposed Works

Activity Type

General Excavation

Work Types

Work Type: Plans Only

Our Ref: CLHLSBUD-201116-20533823 /AFF/SP/LA File Ref/Unique Number: THS/ES/UT/1570/L.1/202989

Your Ref: 27201 Date: 17-11-2020

For the attention of Mr Joe Shawyer GROUNDWISE SEARCHES LTD Suite 8 Chichester House Suite 8 Chichester House 45 Chichester Road Southend on Sea Essex, SS1 2JU FISHER GERMAN

Fisher German LLP CLH Pipeline System (CLH-PS) PO Box 7273 Ashby de la Zouch LE65 2BY

0845 0701245
CLHpipelinesystem@fishergerman.co.uk
fishergerman.co.uk

Dear Sirs/Madam

CLH Pipeline System (CLH-PS) Ltd ('CLH-PS') – Affected Response

Thank you for your enquiry dated 16-11-2020. We confirm that our client CLH-PS's apparatus will be affected by your proposals as indicated on the attached plan(s). The plan(s) supplied are intended for general guidance only and should not be relied upon for excavation or construction purposes. No guarantee is given regarding the accuracy of the information provided and in order to verify the true location of the pipeline you should contact CLH-PS to arrange a site visit. Their contact details are:

Central Services Ashdon Road Saffron Walden Essex, CB10 2NF Email: <u>pipelinerow@grupoclh.com</u>

Tel: 01799 564101

When contacting CLH-PS, please quote our unique reference **202989**, which is specific to this enquiry. Please note that you should contact CLH-PS within 28 days of the date of this letter in order to validate this enquiry, otherwise it will become void.

You should note that the interests of the CLH-PS are conserved by means of the Energy Act 2013, in particular Part IV of the Act, and other legislation such as the Pipeline Safety Regulations 1996. It is, however, the Energy Act 2013 that prohibits any development and most intrusive activities within the Easement Strip without specific consent from CLH-PS. CLH-PS's Easement Strips are 6 metres wide and can incorporate other associated CLH-PS facilities.

CLH-PS will be able to provide guidance on the required procedures for entering into a Works Consent and provide confirmation on permitted development and intrusive activities. The whole process of obtaining a Works Consent can take between four and six weeks depending on circumstances at the time of application.

To reiterate, you should not undertake any work or activity without first contacting CLH-PS for advice and, if required, a Works Consent. For a copy of CLH-PS's Standard Requirements for Crossing or Working in Close Proximity to CLH-PS Pipelines, please visit https://cdn.linesearchbeforeudig.co.uk/pdfs/lsbud-standard-requirement-uk-um.pdf. This will provide you with practical information regarding the legislation that governs the CLH-PS.











You should also be aware that landowners and third parties have a duty of care not to carry out any works that have the potential to damage CLH-PS apparatus. This duty of care applies even if the works themselves are situated more than 3 metres from the pipeline. Examples of such works are mineral extraction, mining, explosives, piling and windfarms.

Please note that implementation of any unapproved work that affects the CLH-PS Easement Strip may result in serious consequences in terms of health and safety, expense and other attendant liabilities. In such cases it is the perpetrator of the act, together with any other promoting organisation, that shall be held fully accountable for any resulting damage.

Should you require any further assistance regarding this letter please contact the undersigned or alternatively, you can contact CLH-PS using the details provided above.

Yours faithfully



For and on behalf of FISHER GERMAN LLP (CLH-PS Authorised Agent)

Enc. Location Plan

cc. CLH-PS

Fisher German, as agents acting on behalf of our client, as detailed above, will store and process your data in full compliance with our legal obligations. Our client may need to share this information with other third parties to support their operational activities. This information will not be sold or made available for marketing purposes. Further details about how your data will be used can be found on our client's website, http://www.clh.es/section.cfm?id=0&side=213&extrapage=22&lang=en or by contacting us by email: dataprotection@fishergerman.co.uk or telephone: 01530 410813.



CORONOVIRUS / COVID 19

Please note that CLH Pipeline System (CLH-PS) Ltd office based staff are still currently working from home in line with ongoing UK Government Guidance.

If there is an emergency, please call <u>01189 712021</u> any time of the day 24/7.

Our site based staff are now attending call outs and visits as normal and to facilitate these visits in a controlled and safe manner we have Covid 19 specific control measures in place. A summary of the key control measure we require are as follows:

- Strict social distancing rules to be applied (2m +) with no personal contact such as exchanging signatures,
- The number of visits necessary to manage any work shall be kept to an absolute minimum avoiding prolonged attendance at site,
- The number of people present during any site visit shall be kept to an absolute minimum. We aim to limit numbers to 5 or less including our staff member

All third parties should have their own site specific Covid 19 risk management measure in place that, as a minimum, include the above controls. If our staff have any concerns regarding their safety at they will not attend until such a time as these can be put in place.

If you do need to organise a site visit please contact us to make a request using the details provided below:

Email: pipelinerow@grupoclh.com

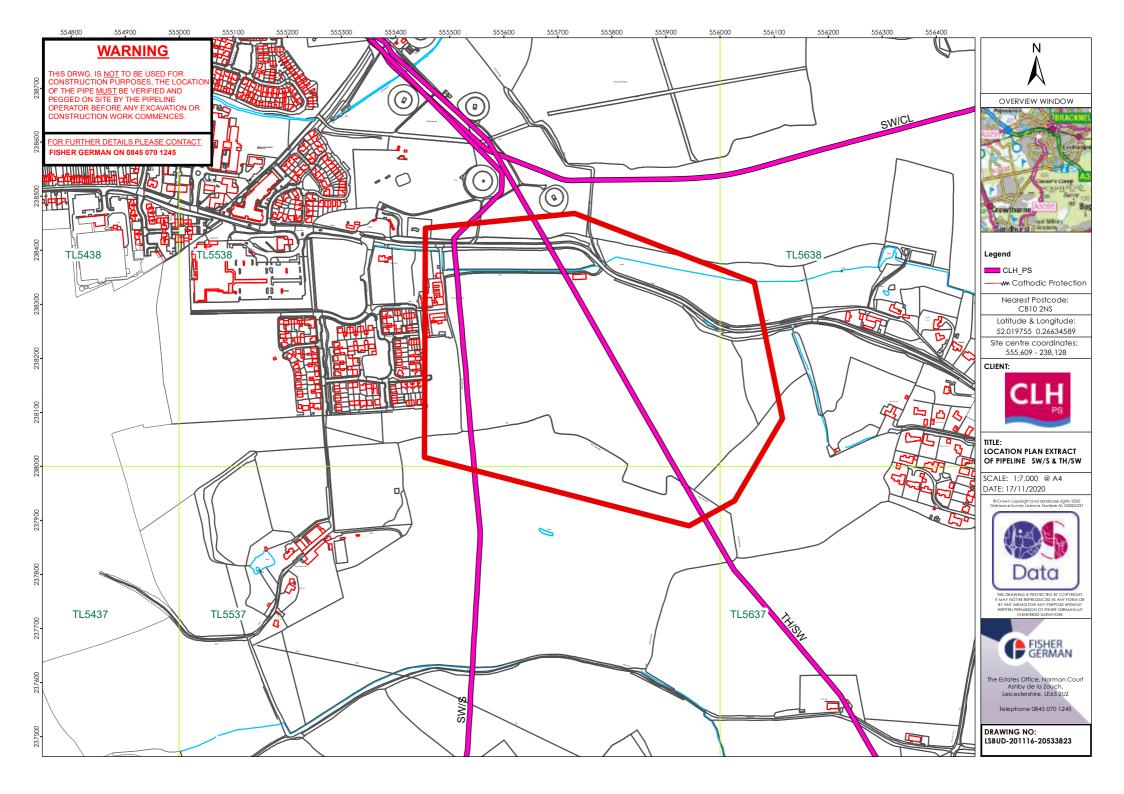
or

Phone (Monday to Friday 9am to 5pm):

Anne Swallow (Pipeline Administrator) on 07595 820567 (in the first instance)

or

Pat Stapleton (Pipeline Co-ordinator) on 07566 763751



: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Francesca Margiotta < FMargiotta@groundwise.com>

Created on 17/11/2020 14:11

Ref: 27201FM

Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Easting/Northing:555776, 238175

Requests: URGENT

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

We are doing research on the above site for a client and would be grateful if you could confirm whether the above operators have any cabling or apparatus

in the immediate vicinity. Should there be anything detected in the vicinity plus 50 meters around the site, I would appreciate a plan showing the location. The reason we need the information is so our client can avoid digging through your cables or can

investigate the potential for connecting with your network.

I enclose location plans of the site for your convenience and look forward to hearing from you. We shall of course be providing a copy of your response to

our client as part of a wider report on the site including reports from other utility companies or providers.

Should you have any problems in identifying the location of the sites or should you require further clarification of the details requested, please do not

hesitate to contact me.

I look forward to receiving details from you and thank you in advance for your assistance in this matter.

Kind regards,

Francesca Margiotta
Production Researcher
Groundwise Searches Ltd

fmargiotta@groundwise.com

01702 615566

| www.groundwise.com

Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

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: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Francesca Margiotta < FMargiotta@groundwise.com>

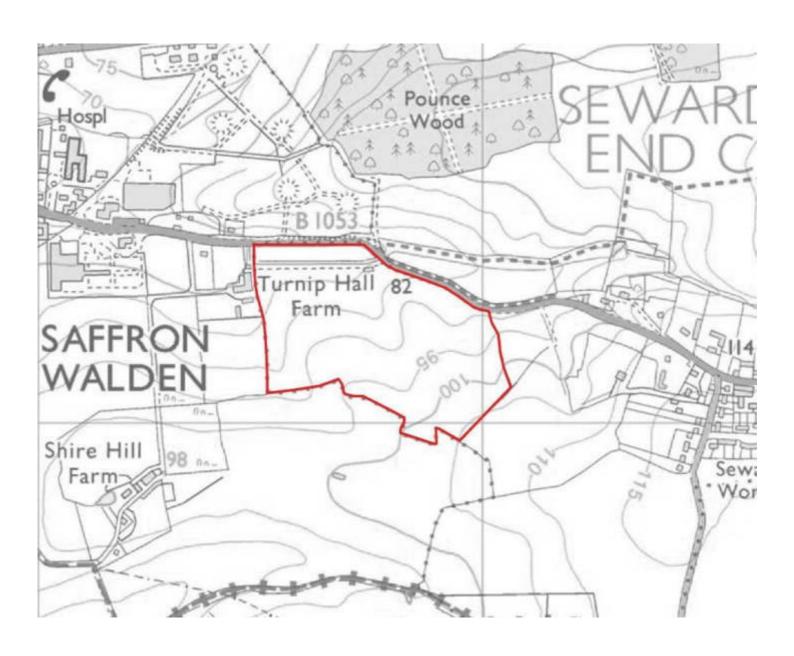
Created on 17/11/2020 14:11

permanently delete this message.

Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

Company Registration Number 4130795

VAT number 769 0642 02





Email enquiries@gpss.info

Ref. LSBUD-201116-20533823

17 November 2020

Mr Joe Shawyer GROUNDWISE SEARCHES LTD Suite 8 Chichester House Suite 8 Chichester House 45 Chichester Road

SOUTHEND ON SEA SS1 2JU

Dear Sir/Madam

Redundant Pipelines - Land Powers (Defence) Act 1958 (formerly part of the GPSS)

Thank you for your enquiry dated 16 November 2020. Using the confirmed location provided by your LSBUD search, our records indicate there may be a redundant pipeline in the area shown on the attached plan. The plan(s) supplied are intended for general guidance only and should not be relied upon for excavation or construction purposes. If you are working in close proximity to the pipeline we would recommend that you seek the advice of a specialist pipeline contractor by contacting the Pipeline Industries Guild, along with gaining confirmed asset locations and agreements from any other asset owners that may be affected by your works.

This pipeline has been declared redundant by the Ministry of Defence and the necessary legal charges have been removed in accordance with the Land Powers (Defence) Act 1958 and subsequent legislation. If the landowner wishes to remove the pipeline from the land they may do so at their own cost; however, as different methodologies were used to decommission pipelines we would highly recommend using specialist contractors.

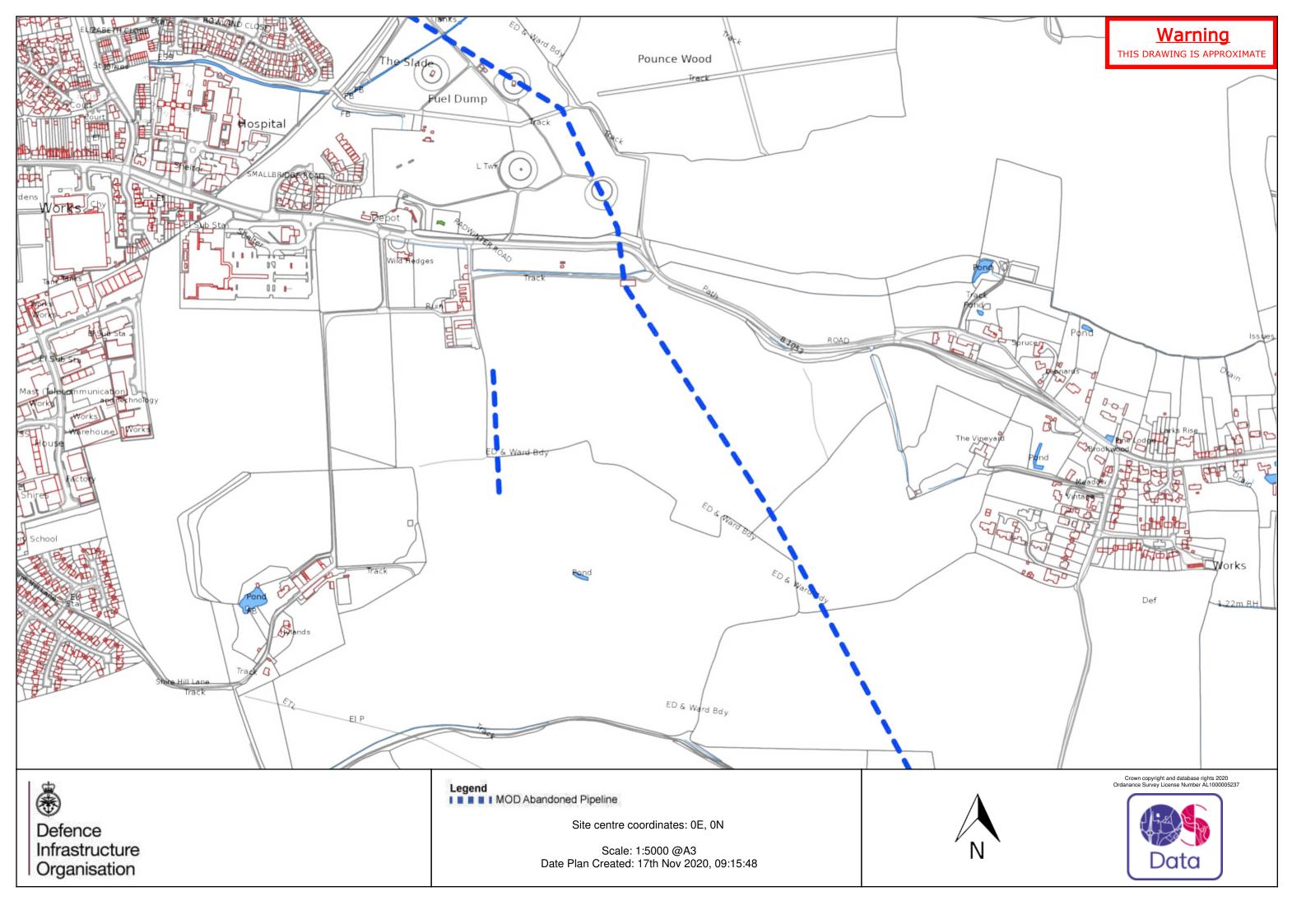
This letter relates to the abandoned pipelines from the former Government Oil and Pipeline System and you should make separate enquiries relating to live pipelines owned by other third parties that may be in close proximity.

Yours faithfully

RAH

DIO (MOD Abandoned Pipelines)

Enc Location Plan



Mast Data Mobile Phone Masts

Search Reference:27201FM

Search Date: 19/11/2020

A search for the location of mobile phone masts has been carried out using http://www.mastdata.com/

On this occasion there does not appear to be masts within the vicinity of your site.

Please see the enclosed Mast Data map and information – the circular area, shaded yellow, shows the location of your site.

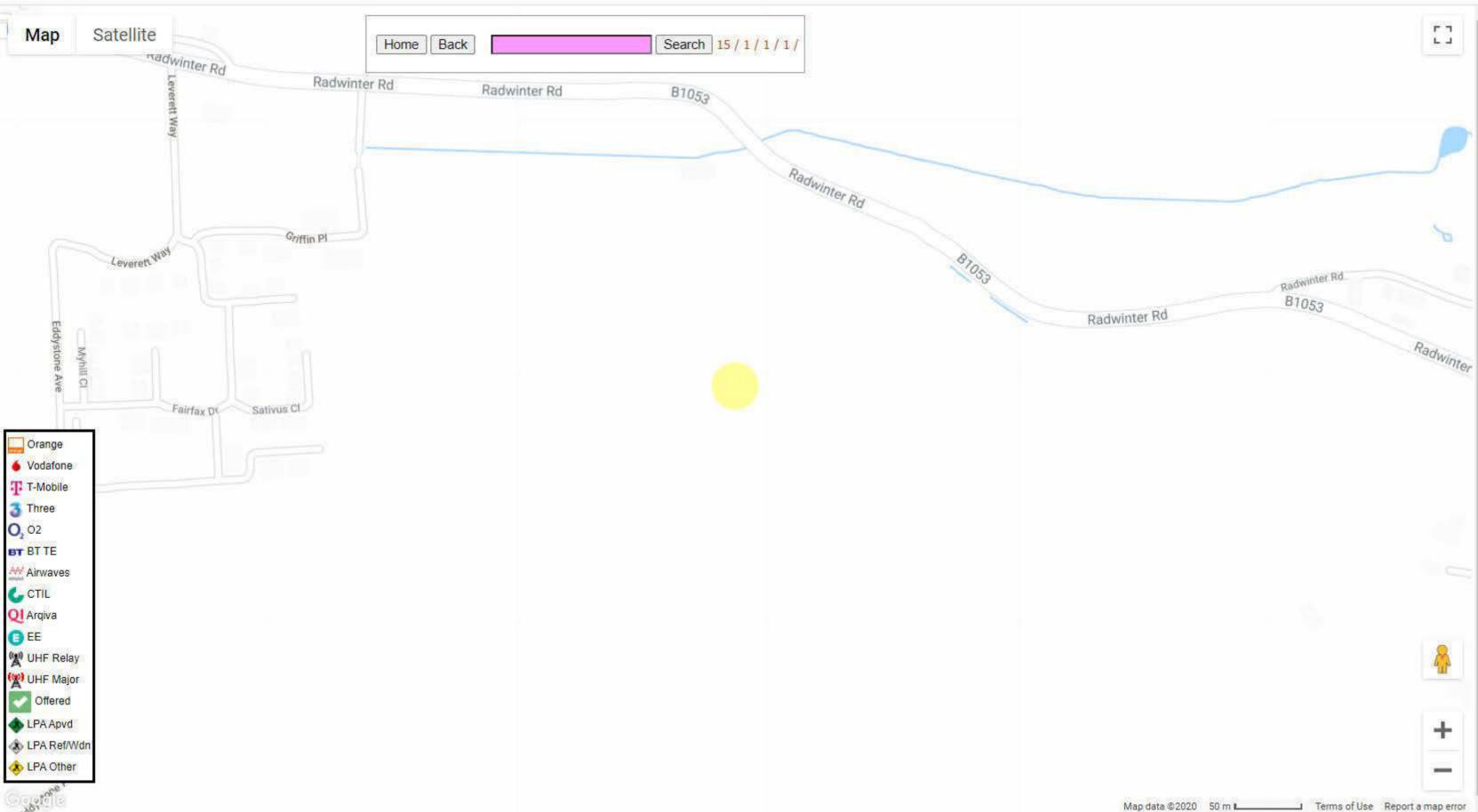
Further details can be found on the Mast Data website - http://www.mastdata.com/

Mast Data North End House Avon Christchurch Dorset BH23 7BJ 020 8144 8143 info@mastdata.com



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

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



From: NRSWA <nrswa.nrswa@sky.uk>
Sent: 16 November 2020 17:07

To: Francesca Margiotta

Subject: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ



Thank you for your enquiry.

Please be advised that Sky Telecommunications Services Ltd will <u>not</u> 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.

Regards

NRSWA Department
Tech UK - Implementation

Sky TECHNOLOGY

nrswa@sky.uk +44 20703232234

Kind Regards,

Tabitha Harris NRSWA Administrator Tech UK Operations

Please note due to Covid our office is closed, with limited access to post, please send ALL plant enquiries to NRSWA@sky.uk

Please ensure you send a full grid ref and map with your enquiry e.g. 529155, 179741 OR TQ 29155 79741

70 Buckingham Avenue Slough SL1 4PN



Groundwise Ref: 27201FM

Our Ref: Ref shown on map

Date of issue: shown on map

email: nnhc@openreach.co.uk

Dear Customer,

NR & SW ACT 1991 - PROPOSED WORKS AT: Land off Radwinter Road, Saffron Walden, CB10 2JZ

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 Visit the Click Before You Dig Website www.openreach.co.uk/cbyd

Thank you for your request of 19/11/2020 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.

Julie Cullum 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

ADVANCE NOTICE REQUIRED

(Office hours: Monday - Friday 08.00 to 17.00)

www.openreach.co.uk/cbyd

Accidents happen

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

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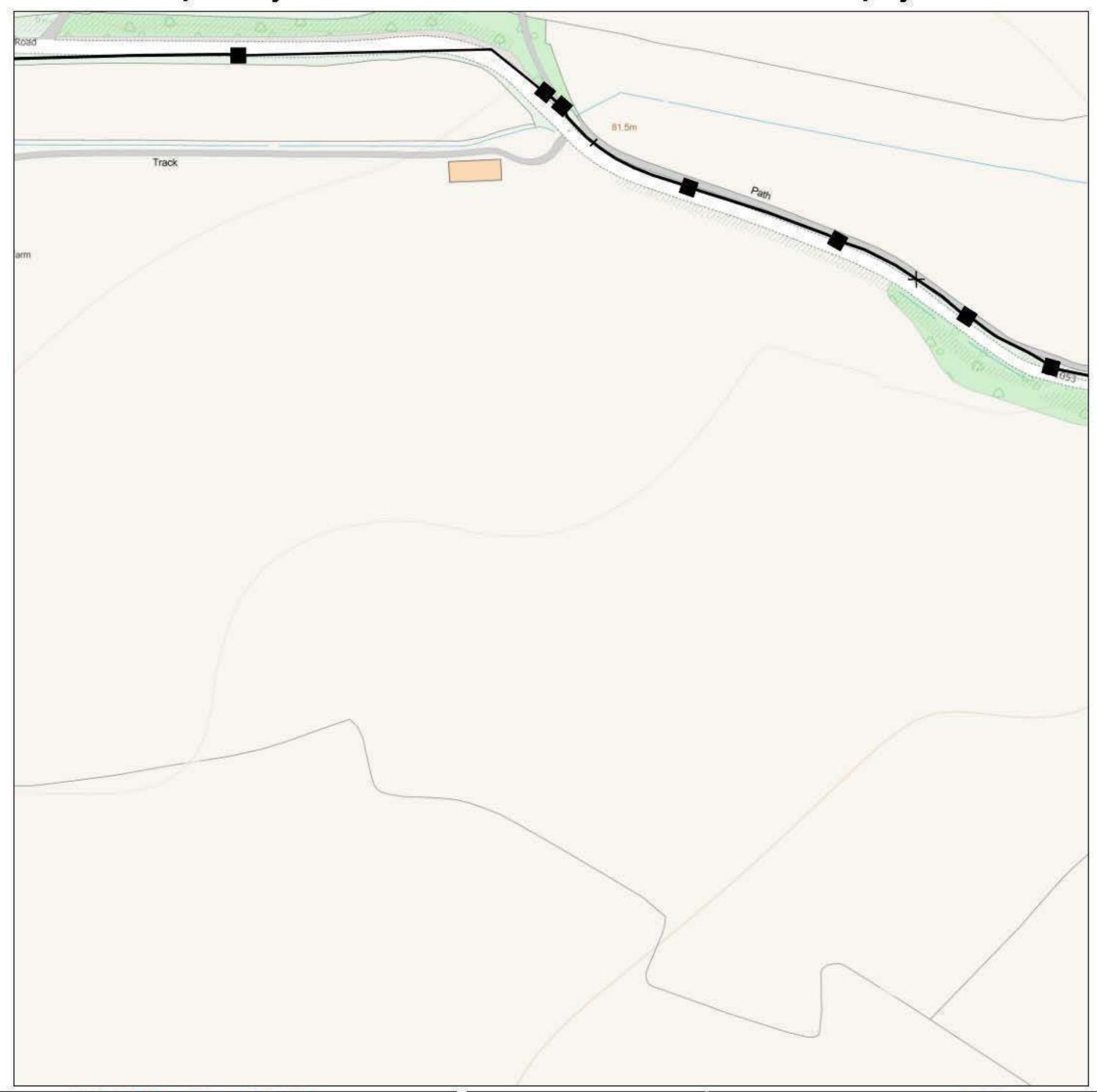
KEY TO BT SYMBOLS		Change Of State	+	Hatchings	XX		
	Planned	Live	Split Coupling	×	Built	_	
PCP	12	Ø	Duct Tee		Planned		
Pole	0	0	Building		Inferred	^	
Вох			Kiosk	K	Duct	/	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are				
Cabinet	Û						
					e of preparation ter the date of p		
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Power Cable	HH	NN	AA.	NN			
J	Comment Comment of	-	44.	N/A	7		

BT Ref: XDY12355J

Map Reference: (centre) TL5527638175 Easting/Northing: (centre) 555276,238175

Issued: 19/11/2020 12:35:26

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

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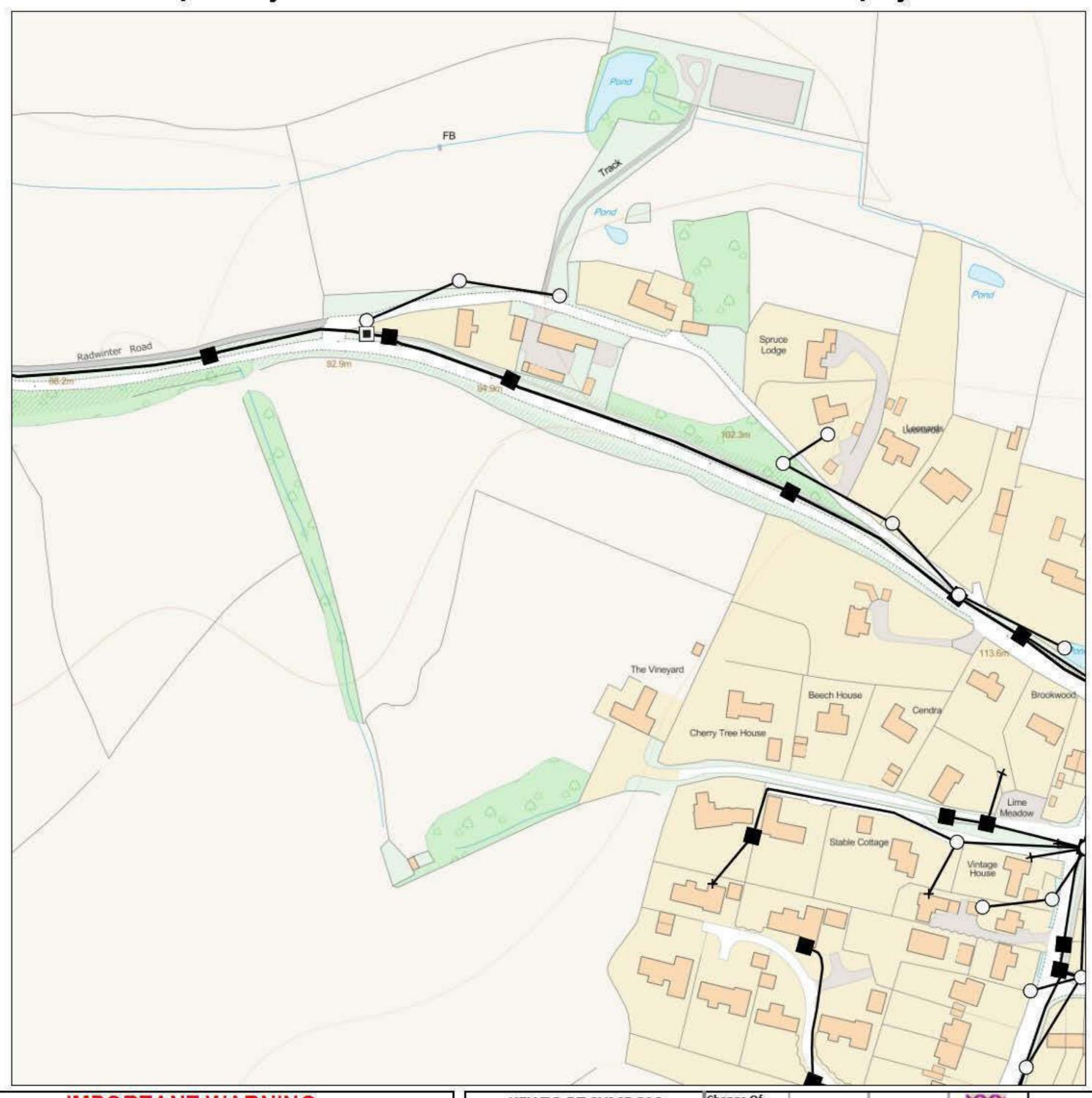
KEY TO BT SYMBOLS		Change Of State	+	Hatchings	XX		
	Planned	Live	Split Coupling	×	Built	^	
РСР	12	☒	Duct Tee		Planned		
Pole	0	0	Building		Inferred	^	
Вох			Kiosk	K	Duct	_	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are				
Cabinet	Û	Û					
			The street of th	or 90 days af	ter the date of p	ublication.	
	Pending Add	In Place	Pending Remove	Not In Use			
Power Cable	HH	NN	AA.	NN			
	1		7 77		_		

BT Ref: PSB12317S

Map Reference: (centre) TL5577638175 Easting/Northing: (centre) 555776,238175

Issued: 19/11/2020 12:31:21

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.



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KEY	TO BT SYM	BOLS	Change Of State	+	Hatchings	XX		
G.	Planned	Live	Split Coupling	×	Built	^		
PCP	12	ᡌ	Duct Tee		Planned			
Pole	0	0	Building		Inferred	^		
Вох			Kiosk	(K)	Duct			
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are					
Cabinet	Û							
					e of preparation ter the date of p	Machine Land		
	Pending Add	In Place	Pending Remove	Not In Use				
Power Cable	HH	NN	AA,	NH				
Power Cable								

BT Ref : TWI12357A

Map Reference: (centre) TL5627638175 Easting/Northing: (centre) 556276,238175

Issued: 19/11/2020 12:35:30

From: Plantenquiries <plantenquiries@catelecomuk.com>

Sent: 27 November 2020 13:01 **To:** Francesca Margiotta

Subject: RE: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

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: Francesca Margiotta < FMargiotta@groundwise.com>

Sent: 16 November 2020 14:03

To: plantenquiries@lastmile-uk.com; osm.enquiries@atkinsglobal.com; plantenquiries@instalcom.co.uk; ospteam@uk.verizonbusiness.com; plantenquiries@psgservices.co.uk; Plantenquiries cplantenquiries@catelecomuk.com; OPBuriedServicesEnquiries@networkrail.co.uk;

From: online.plantenquiries@cityfibre.com Sent: 19 November 2020 12:25 Francesca Margiotta To: **Subject:** CityFibre Plant Enquiry, issued on 11/19/20 12:24 PM. Reference 730d0411-9c93-4e3d-b7d7-82372b080c4b. **Attachments:** emap.pdf You recently requested information pertaining to the above location and in relation to CityFibre Holdings Ltd plant. Reference 730d0411-9c93-4e3d-b7d7-82372b080c4b User: User Title: 27201FM Comment: Please find attached a plan of the area of your interest that may contain plant which may be affected by your proposed works. The validity of this response is 6 weeks, after such time a new enquiry would need to be made. Please see the points of contact below if they are required: **Plant Enquiries Rutherford House** Birchwood Park Warrington WA3 6ZH asset.team@cityfibre.com Please quote the Reference ID in the subject line in any correspondence. Please be aware that all information included in this eMap is the property of the sender and subject to copyright. It is illegal to copy or send this information to any third party without the permission of the sender. Plant Enquiries [CityFibre] 0203 5100 602 [CityFibre]<https://www.cityfibre.com> [Follow CityFibre on LinkedIn]https://www.cityfibre.com [Follow CityFibre on LinkedIn] https://www.linkedin.com/company/cityfibre [Follow CityFibre on Twitter] https://www.twitter.com/CityFibre

Disclaimer:

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LEGEND

EXISTING PLANT

EXISTING PLANT

bitmap_layout select_raster

Rutherford House, Birchwood, Warrington, WA3 6ZH

Asset Office

Email: asset.team@cityfibre.com

CityFibre Holdings Ltd,

Information shown on this plan is for general guidance only. No warranty is made as to its accuracy.

This plan must not be solely relied upon in the event of excavation or other works being carried out in the vicinity of Cityfibre plant.

No liability of any kind is accepted by Cityfibre, its agents or servants for any error, omission, discrepancy or deviation. This information is valid for the date printed.

Drawing

Existing Plant

Drawn by:

smallworld

Date: 19/11/2020

Drawing No.

Revision

CFH EP 000001

Scale: 1:2500



001

bitmap_layout select_raster

LEGEND

EXISTING PLANT

EXISTING PLANT

bitmap_layout select_raster

Rutherford House, Birchwood, Warrington, WA3 6ZH

Asset Office

Email: asset.team@cityfibre.com

CityFibre Holdings Ltd,

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This plan must not be solely relied upon in the event of excavation or other works being carried out in the vicinity of Cityfibre plant.

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Drawing

Existing Plant

Drawn by:

smallworld

Date: 19/11/2020

Drawing No.

Revision

CFH EP 000001

Scale: 1:2500



001



bitmap_layout select_raster

excavation or other works being carried out in the vicinity

No liability of any kind is accepted by Cityfibre, its agents or servants for any error, omission, discrepancy or deviation. This information is valid for the date printed.

Date: 19/11/2020

Revision

001

From: plantenquiries@psgservices.co.uk

Sent: 17 November 2020 15:10 **To:** Francesca Margiotta

Subject: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

To Whom It May Concern:

Thank you for your recent enquiry regarding your proposed work at the above location.

euNetworks Fiber UK Limited do not have plant in the vacinity of your proposed works and no strategic additions to our existing network are envisaged in the immediate future.

This information is only valid for a period of 3 months so, if your start date is 3 months or more from the date of this email, please re-apply for updated information at our generic email addre ss: plantenquiries@psgservices.co.uk.

Kind regards

ALL PLANT ENQUIRIES AND DIVERSIONARY REQUESTS SHOULD BE ADDRESSED BY EMAIL TO THE OPERATIONS TEAM AT plantenquiries@psgservices.co.uk, with a plan and full postal address of your enquiry, thank you



For and on behalf of euNetwork Fiber UK Limited

Thanks

Vivien Hart

T 01772 514453 | E plantenquiries@psqservices.co.uk



Telecommunications Survey, Planning, Engineering & GIS Services

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From: Plantenquiries <Plantenquiries@instalcom.co.uk>

Sent: 16 November 2020 16:45 **To:** Francesca Margiotta

Subject: E11-20-3840 RE: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10

2JZ

Dear Sir or Madam,

Thank you for your plant enquiry below.

We can confirm that Lumen Technologies (formerly CenturyLink Communications UK Limited, Level 3, Global Crossing (Uk) Ltd, Global Crossing PEC, Fibernet UK Ltd and 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.

<u>Please note that this response is only valid for 3 months.</u> 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
Web: http://www.instalcom.co.uk









From: Francesca Margiotta [mailto:FMargiotta@groundwise.com]

Sent: 16 November 2020 14:03

To: plantenquiries@lastmile-uk.com; osm.enquiries@atkinsglobal.com; Plantenquiries

plantenquiries@catelecomuk.com; OPBuriedServicesEnquiries@networkrail.co.uk;

plantenquiries@trafficmaster.co.uk; mbnlplantenquiries@turntown.com; assetrecords@utilityassets.co.uk; KPN

From: KPN Plant Enquiries <kpn.plantenquiries@instalcom.co.uk>

Sent: 16 November 2020 14:43 **To:** Francesca Margiotta

Subject: RE:K11-20- 2455 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10

2JZ



Dear Sir or Madam,

With reference to your plant enquiry below, we can confirm that KPN do not have any apparatus within the immediate proximity of your proposed works.

If you require any further information, please do not hesitate to contact us.

<u>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.</u>

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: kpn.plantenquiries@instalcom.co.uk

Web: http://www.instalcom.co.uk









From: MBNLplantenquiries <mbnl.plant.enquiries@turntown.com>

Sent: 16 November 2020 15:39 **To:** Francesca Margiotta

Subject: RE: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Dear Sir/Madam

Turner & Townsend Project Management are appointed on behalf of MBNL to conduct Plant (apparatus) Searches in accordance with the relevant NRSWA Act 1991- Diversionary Works legislation. These searches considered plant belonging to EE (T-Mobile and Orange sites) and the HG3 mobile telecommunication networks.

Further to your plant enquiry please see the response below to the NRSWA request submitted

MBNL do not have any plant that would be affected by the proposed work. Should you have any further queries please use the contact details below.

PS: Please can you send all future Plant enquiries for EE or H3G to this email address mbnlplantenquiries@turntown.com

Thank you,

Kind regards,

MBNL SHQE Team

Turner & Townsend

t: 0121 262 3663 | www.turnerandtownsend.com

Turner & Townsend Europe Limited

Registered office: Low Hall, Calverley Lane, Horsforth, Leeds LS18 4GH, United Kingdom | Registered

in England and Wales | Registration No: 3514794

From: Francesca Margiotta < FMargiotta@groundwise.com >

Sent: 16 November 2020 14:03

To: plantenquiries@lastmile-uk.com; osm.enquiries@atkinsglobal.com; plantenquiries@instalcom.co.uk; ospteam@uk.verizonbusiness.com; plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com;

OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk;

mbnlplantenquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk;

NRSWA@sky.uk

Subject: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

"Don't get caught out" - This email has come from an external source. Do not click on any links or open any attachments unless you are expecting them.

Ref: 27201FM

Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Easting/Northing:555776, 238175

Requests: URGENT

From: TM Plant Enquiries <plantenquiries@trafficmaster.co.uk>

Sent: 25 November 2020 16:36 **To:** Francesca Margiotta

Subject: Re: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Our ref: Damian Sweeney TEL: 01234759112 or 07712129249

New Roads and Street Works Act 1991- Sections 83, 84,142 and 143 Codes of Practice Appendix C2

In response to your notice regarding works which you, are proposing to undertake.

I can confirm that Traffic*master* does not have equipment installed within the boundary of the works.

If you have any further queries regarding this or any other programme, please do not hesitate to contact me on my details below.

Yours sincerely For & on Behalf of Trafficmaster Ltd

Infrastructure Maintenance

plantenquiries@trafficmaster.co.uk

From: Francesca Margiotta < FMargiotta@groundwise.com>

Sent: Monday, November 16, 2020 2:03 PM

To: plantenquiries@lastmile-uk.com <plantenquiries@lastmile-uk.com>; osm.enquiries@atkinsglobal.com <osm.enquiries@atkinsglobal.com>; plantenquiries@instalcom.co.uk <plantenquiries@instalcom.co.uk>; ospteam@uk.verizonbusiness.com>; plantenquiries@psgservices.co.uk <plantenquiries@psgservices.co.uk>; plantenquiries@catelecomuk.com <plantenquiries@catelecomuk.com>; OPBuriedServicesEnquiries@networkrail.co.uk <OPBuriedServicesEnquiries@networkrail.co.uk>; TM Plant Enquiries <plantenquiries@trafficmaster.co.uk>; mbnlplantenquiries@turntown.com <mbnlplantenquiries@turntown.com>; assetrecords@utilityassets.co.uk <assetrecords@utilityassets.co.uk>; kpn.plantenquiries@instalcom.co.uk <kpn.plantenquiries@instalcom.co.uk>; NRSWA@sky.uk <NRSWA@sky.uk>

Subject: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

CAUTION: This email originated from outside the company.

Ref: 27201FM

Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Easting/Northing:555776, 238175

Requests: URGENT

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

From: UK OSP-Team <osp-team@uk.verizon.com>

Sent: 17 November 2020 08:19
To: Francesca Margiotta
Cc: UK OSP-Team

Subject: RE: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

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

From: Francesca Margiotta [mailto:FMargiotta@groundwise.com]

Sent: 16 November 2020 14:03

To: plantenquiries@lastmile-uk.com; osm.enquiries@atkinsglobal.com; plantenquiries@instalcom.co.uk; UK OSP-

Team; plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com;

OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk;

mbnlplantenquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk;

NRSWA@sky.uk

Subject: [E] Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Ref: 27201FM

Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Easting/Northing:555776, 238175

Requests: URGENT

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

We are doing research on the above site for a client and would be grateful if you could confirm whether the above operators have any cabling or apparatus in the immediate vicinity. Should there be anything detected in the vicinity plus 50 meters around the site, I would appreciate a plan showing the location. The reason we need the information is so our client can avoid digging through your cables or can investigate the potential for connecting with your network.

Groundwise Searches Ltd

Suite 8 Chichester House 45 Chichester Road Essex SS1 2JU



Virgin Media Field Services Units 1-12 Broad Lane Mayfair Business Park Bradford Yorkshire BD4 8PW

Tel: 0870 888 3116 Opt 2 Fax: 01268 468557

Plant Enquiry Ref: VM.1178012 Your Letter Date: 16.11.2020 Your Ref: 27201FM Date: 17.11.2020

Dear Sir /Madam

Enquiry Location: Land off Radwinter Road, Saffron Walden, CB10 2JZ.

Thank you for your enquiry regarding work at the above location.

Virgin Media and Viatel plant should not be affected by your proposed work and no strategic additions to our existing network are envisaged in the immediate future.

Should your request be in relation to a Residential New Development, Virgin Media would like the opportunity to assist with your diversionary quote and serve your site free of charge, offering your customers the fastest widely available broadband speeds on the market up to 500Mbps.

For Commercial New Developments our team can also be reached through the below link, ensuring future businesses to your site are connected to our fibre network.

Simply head over to www.virginmedia.com/developer and fill in the enquiry form and a member of our New Developments team will be in touch within 48 hours. You will also find useful information about additional benefits to you and your site, plus a handy 'developers guide' can be downloaded with detailed installation requirements.

Or if you prefer to talk, please call the New Developments team on: 0800 408 0088 Option 2

Yours faithfully,

National Plant Enquiries Team

Email: plant.enquiries.team@virginmedia.co.uk

Please note: National Plant Enquiries Team (Bradford) cover and respond to plant enquiries for all ex ntl: Telewest franchise areas.



From: Gopalakrishnan, Roshni < Roshni.Gopalakrishnan@atkinsglobal.com>

Sent: 20 November 2020 09:02 **To:** Francesca Margiotta

Subject: RE: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

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

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

ATKINS working on behalf of Vodafone: Fixed



PLEASE NOTE:

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

IMPORTANT - PLEASE READ:



Please consider the environment before printing this e-mail

From: Francesca Margiotta < FMargiotta@groundwise.com >

Sent: 16 November 2020 19:33

To: plantenquiries@lastmile-uk.com; National Plant Enquiries <OSM.enquiries@atkinsglobal.com>; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com; OPBuriedServicesEnquiries@networkrail.co.uk;

plantenquiries@trafficmaster.co.uk; mbnlplantenquiries@turntown.com; assetrecords@utilityassets.co.uk;

kpn.plantenquiries@instalcom.co.uk; NRSWA@sky.uk

Subject: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Ref: 27201FM

Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Easting/Northing:555776, 238175

Requests: URGENT

From: Key Andy (Distribution Administrator) <Andy.Key2@networkrail.co.uk> on behalf

of OP Buried Services Enquiries < OPBuriedServicesEnquiries@networkrail.co.uk>

Sent: 16 November 2020 15:51 **To:** Francesca Margiotta

Subject: RE: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

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.

Contact details can be found in the following link: Network Rail Asset Protection Teams

If you require any further clarification on any of the information please contact opburiedservicesenquiries@networkrail.co.uk.

Regards,

Andy Key

Distribution Administrator



Worksite Survey | Asset Information Services

National Records Centre | Audax Road | York YO30 4US

E: andy.key2@networkrail.co.uk **W:** www.networkrail.co.uk

Advanced notice of absence:

11/19/2020 HSE PA - Advice(1)

HSE's Advice

HSE Planning Advice has an interest in your enquiry, please download or print your report. This does NOT mean your planning application has been rejected, but further information is required. For HSE's Planning Advice based on the type of development being proposed please continue your enquiry by clicking the Continue Application link below.

Our Reference: HSL-201119123903-963

Your Reference: 27201FM

Development Name:

Date Created : 19/11/2020 12:39:03
Description/Comments : STUDY

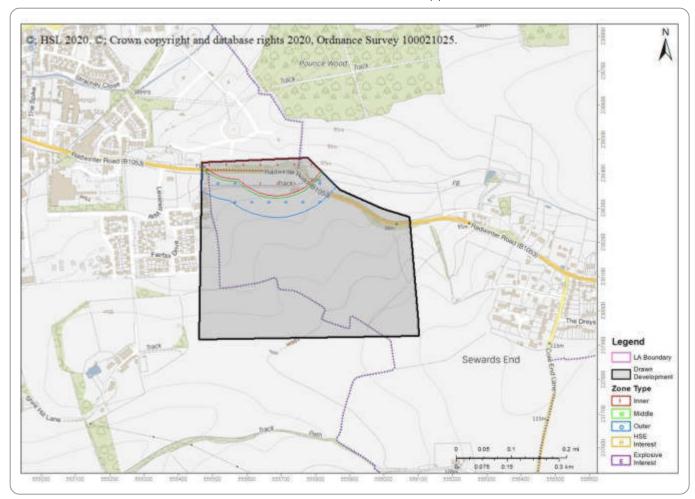
Created By: FMARGIOTTA@GROUNDWISE.COM

Phase 1 documents Hazard/Pipelines Report (../Download/File/?HSLRefer=HSL-201119123903-963&DownloadType=HSEHasAnInterest)

Please check all mapping details, including the drawn planning boundary and background mapping, are correct.

Continue Application >>

11/19/2020 HSE PA - Advice(1)



Menu

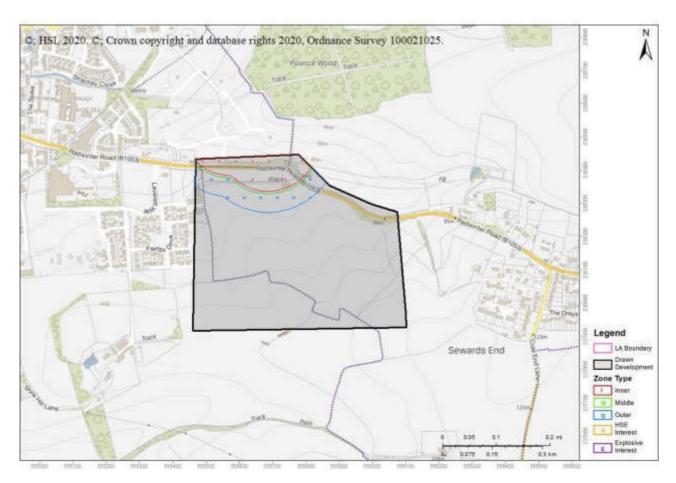
Next



Advice: HSL-201119123903-963 Crosses Consultation Zone

Please enter further details about the proposed development by continuing with the enquiry on the HSE's Planning Advice Web App from the Previous Enquiries tab either now or at a later time, unless the Web App has stopped the process and notified you to contact HSE.

Your Ref: 27201FM Development Name: Comments: STUDY



The proposed development site which you have identified currently lies within the consultation distance (CD) of at least one major hazard site and/or major accident hazard pipeline; HSE needs to be consulted on any developments on this site.

This advice report has been generated using information supplied by Francesca Margiotta at Groundwise Searches Ltd on 19 November 2020.

You may wish to contact HSE's Planning Advice team to discuss the above enquiry result on 0203 028 3708 or by email at lupenquiries@hsl.gsi.gov.uk.



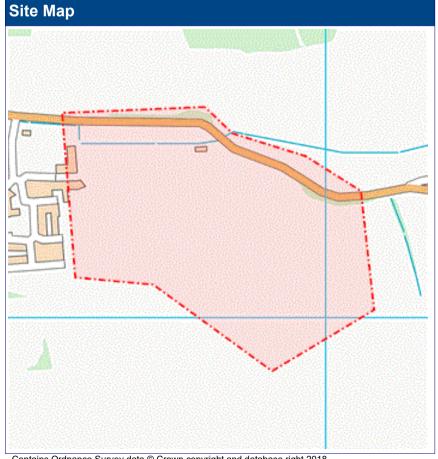
Enquiry Confirmation LSBUD Ref: 20533823

Date of enquiry: 16/11/2020 Time of enquiry: 09:30

Enquirer				
Name	Mr Joe Shawyer	Phone	01702615566	
Company	Groundwise Searches Ltd	Mobile	Not Supplied	
Address	Suite 8 Chichester House Suite 8 Chichester	House 45 Chich	nester Road	
	Southend on Sea Essex SS1 2JU			
Email	mail@groundwise.com			

Enquiry Details					
Scheme/Reference	27201				
Enquiry type	nitial Enquiry Work category Development Projects				
Start date	17/11/2020	Work type Commercial/indus		ercial/industrial	
End date	26/11/2020	Site size		241365 metres square	
Searched location	XY= 555837, 238181	Work type buffer*		25 metres	
Confirmed location	555776 238175				
Site Contact Name	Not Supplied		Site Phone No		Not Supplied
Description of Works					1

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





Enquiry Confirmation LSBUD Ref: 20533823

Date of enquiry: 16/11/2020 Time of enquiry: 09:30

Asset Owners

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

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

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

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

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

Below are three lists of asset owners:

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

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

For National Grid Gas Distribution Ltd below 2 bar asset information please go to www.beforeyoudig.nationalgrid.com



Enquiry Confirmation LSBUD Ref: 20533823

Date of enquiry: 16/11/2020 Time of enquiry: 09:30

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					
	08450701245							
CLH Pipeline System Ltd	CLHPipelinesystem@fishergerman.	01189712021	Email Additional Info					
	co.uk							
DIO (MOD Abandoned Pipelines)	enquiries@gpss.info	NA	Email Additional Info					
National Crid Cas (Above 7 bar) National Crid Cas Distribution	0800688588	Gas 0800111999						
		Electricity	Email Additional Info					
Limited (Above 2 bar) and National Grid Electricity Transmission	plantprotection@cadentgas.com	0800404090						
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	S
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
Chrysaor Production (UK) Limited	CNG Services Ltd	Concept Solutions People Ltd
ConocoPhillips (UK) Teesside Operator Ltd	Diamond Transmission Corporation	DIO (MOD Live Pipelines)
Drax Group	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
Gas Networks Ireland (UK)	Gateshead Energy Company	Gigaclear Ltd
Gtt	Heathrow Airport LTD	Humbly Grove Energy
IGas Energy	INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)
INOVYN Enterprises Limited	Intergen (Coryton Energy or Spalding Energy)	Jurassic Fibre Ltd
Mainline Pipelines Limited	Manchester Jetline Limited	Manx Cable Company
Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited	Murphy Utility Assets
Northumbrian Water Group	NPower CHP Pipelines	NYnet Ltd
Oikos Storage Limited	Ørsted	Perenco UK Limited (Purbeck Southampton Pipeline)
Petroineos	Phillips 66	Portsmouth Water
Premier Transmission Ltd (SNIP)	Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)
RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals	Scottish and Southern Electricity Networks
Scottish Power Generation	Seabank Power Ltd	SES Water
SGN	Shell	Shell NOP
SSE Enterprise Telecoms	SSE Generation Ltd	SSE Utility Solutions Limited
Tata Communications (c/o JSM Construction Ltd)	Total (Colnbrook & Colwick Pipelines)	Total Finaline Pipelines

Transmission Capital	Uniper UK Ltd	University of Cambridge Granta Backbone Network
Vattenfall	Veolia ES SELCHP Limited	Veolia ES Sheffield Ltd
Wales and West Utilities	West of Duddon Sands Transmission Ltd	Western Power Distribution
Westminster City Council	Zayo Group UK Ltd c/o JSM Group Ltd	



Enquiry Confirmation LSBUD Ref: 20533823

Date of enquiry: 16/11/2020 Time of enquiry: 09:30

The following Non-LSBUD Members may have assets in your search area. It is YOUR RESPONSIBILITY to contact them before proceeding. Please be aware this list is not exhaustive and it is your responsibility to identify and contact all asset owners within your search area.

Non-LSBUD members (Asset owners not registered on LSBUD)						
Asset Owner	Preferred contact method	Phone	Status			
Affinity Water	AIT@affinitywater.co.uk	01707277523	Not Notified			
Anglian Water	http://www.digdat.co.uk	01480323891	Not Notified			
ВТ	https://www.swns.bt.com/pls/mbe/welcome.home	08000232023	Not Notified			
Cadent Gas	plantprotection@cadentgas.com	0800688588	Not Notified			
CenturyLink Communications UK Limited	plantenquiries@instalcom.co.uk	02087314613	Not Notified			
CityFibre	asset.team@cityfibre.com	033 3150 7282	Not Notified			
Colt	plantenquiries@catelecomuk.com	01227768427	Not Notified			
Energetics Electricity	plantenquiries@lastmile-uk.com	01698404646	Not Notified			
ENGIE	nrswa.uk@engie.com	01293 549944	Not Notified			
Essex County (West Area)	Utilities.Stats@essexhighways.org	08456037621	Not Notified			
GTC	https://pe.gtc-uk.co.uk/PlantEnqMembership	01359240363	Not Notified			
KPN (c/-Instalcom)	kpn.plantenquiries@instalcom.co.uk	n/a	Not Notified			
Mobile Broadband Network Limited	mbnlplantenquiries@turntown.com	01212 621 100	Not Notified			
Sky UK Limited	nrswa@sky.uk	02070323234	Not Notified			
Sota	SOTA.plantenquiries@instalcom.co.uk		Not Notified			
Utility assets Ltd	assetrecords@utilityassets.co.uk		Not Notified			
Verizon Business	osp-team@uk.verizonbusiness.com	01293611736	Not Notified			
Virgin Media	http://www.digdat.co.uk	08708883116	Not Notified			
Vodafone	osm.enquiries@atkinsglobal.com	01454662881	Not Notified			

Disclaimer

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The results of this Enquiry are personal to the Enquirer and shall not be shared with or relied upon by any other party. The asset information on which the Enquiry results are based has been provided by LSBUD Members, therefore LinesearchbeforeUdig will provide no guarantee that such information is accurate or reliable nor does it monitor such asset information for accuracy and reliability going forward. There may also be asset owners which do not participate in the enquiry service operated by LinesearchbeforeUdig, including but not exclusively those set out above. Therefore, LinesearchbeforeUdig cannot make any representation or give any guarantee or warranty as to the completeness of the information contained in the enquiry results or accept any responsibility for the accuracy of the mapping images used. LinesearchbeforeUdig and its employees, agents and consultants accept no liability (save that nothing in this Enquiry Confirmation excludes or limits our liability for death or personal injury arising from our negligence, or our fraud or fraudulent misrepresentation, or any other liability that cannot be excluded or limited by English law) arising in respect thereof or in any other way for errors or omissions including responsibility to any person by reason of negligence.

Groundwise Searches Limited Suite 8, Chichester House 45 Chichester Road Southend-on-Sea Essex SS1 2JU Developer Services Affinity Water Limited Tamblin Way Hatfield Herts AL10 9EZ

Tel: 0345 3572428

ds@affinitywater.co.uk

Your ref: 27201FM

19 November 2020

Dear Sirs

Re: C2 Notice - New Roads and Street Works Act 1991 section 55 (1)/Highways Act

Thank you for your letter/notice dated 19/11/2020 informing me of your intention to carry out work at the above location.

I am pleased to enclose herewith a copy of our Ordnance Survey based asset records indicating the approximate positions of the Company's existing mains and ancillary apparatus.

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

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

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

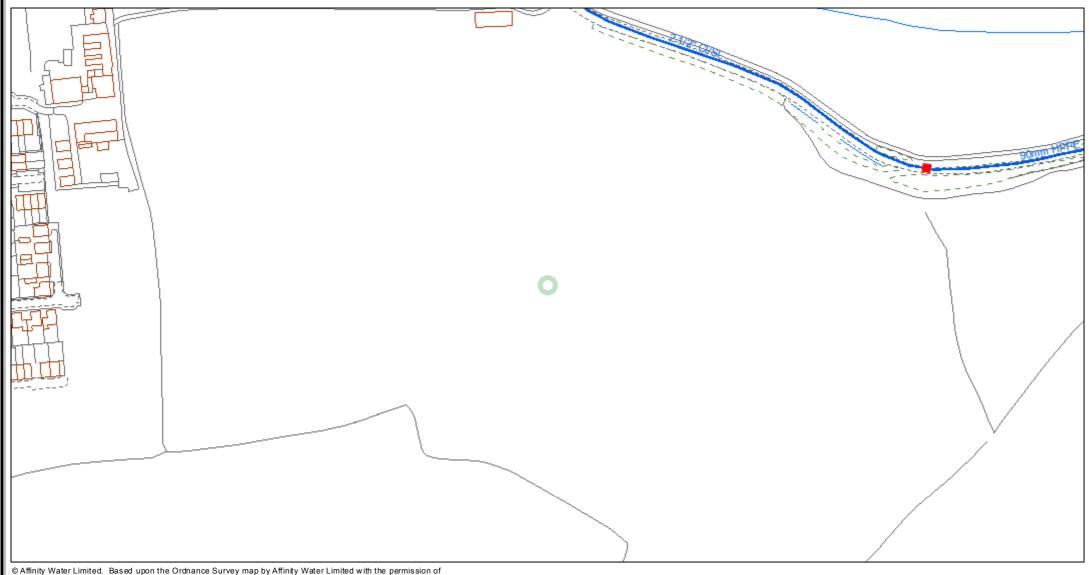
- Temporary and/or permanent support must be provided. In the event of damage occurring to our apparatus, all repair costs incurred by the Company will be charged to you or your contractor.
- The exact position of Company apparatus when needed, should be determined by hand dug trial holes.
- Telemetry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

Please do not hesitate to contact me if you require any further assistance.

Yours faithfully

Enclosure: Record plan

Created on - 19/11/2020



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Plans are continuously being updated, so out of date plans should be destroyed and not relied upon. The position of apparatus shown on this plan is provided for guidance only and should not be relied upon as being precise.

Therefore the Company accepts no responsibility in the event of inaccuracy. Service pipes are not necessarily shown on this plan. Cover is normally 915mm for mains and 750mm for communication pipes but this may vary.

The actual position of apparatus must be determined on site by making hand dug trial holes. The Company requires a minimum of two working days notice of the intention to excavate trial holes.

Except where prior written permission has been obtained, it is an offence under Section 174 of the Water Industry Act 1991 to operate or interfere with any valves, hydrants or other apparatus vested in Affinity Water.

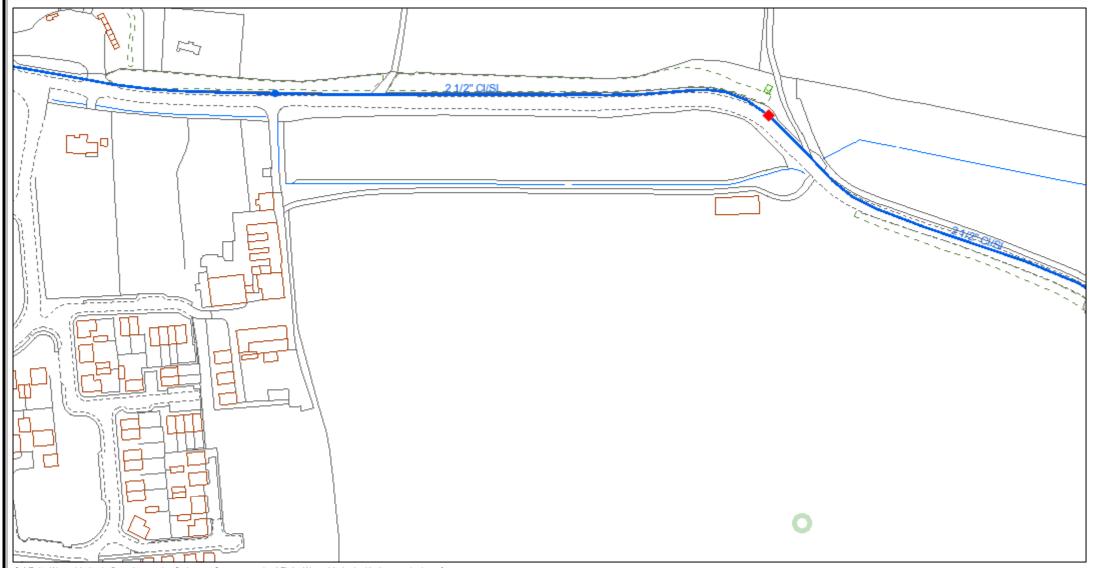
Affinity Water

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Created on - 19/11/2020



27201

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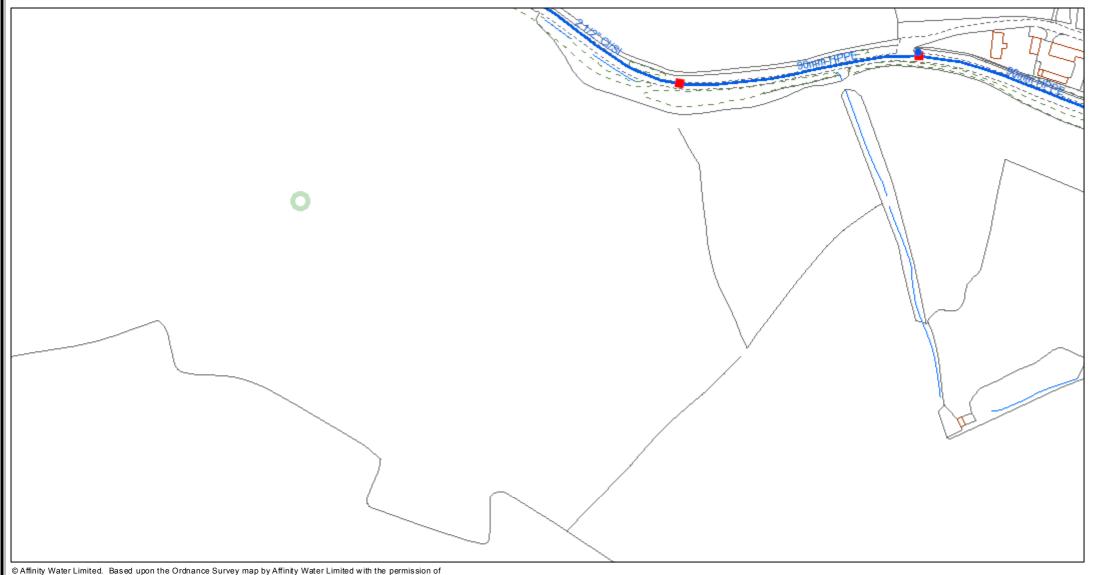
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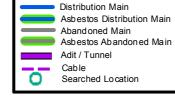
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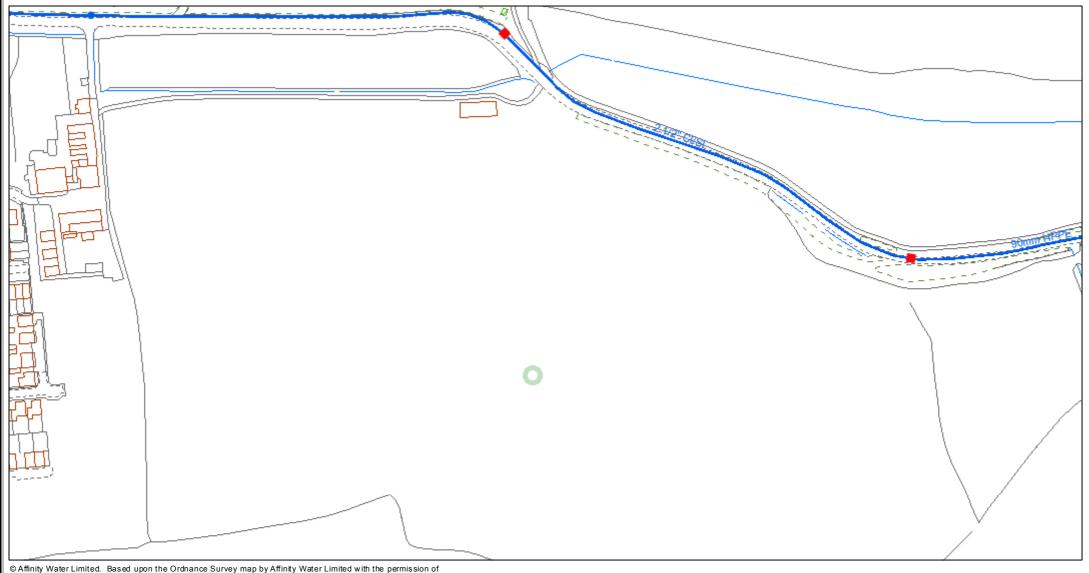






27201

Created on - 19/11/2020



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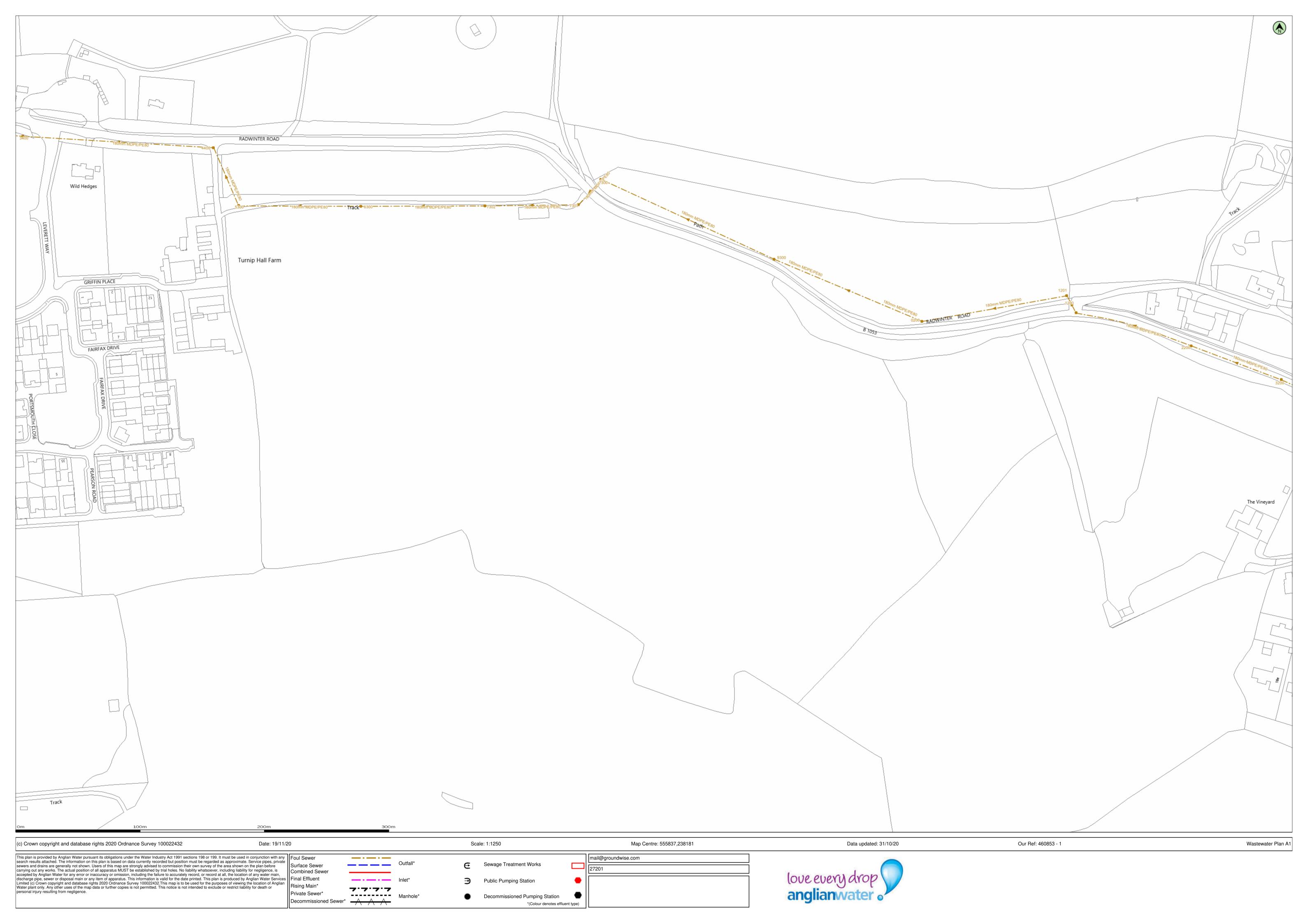
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Boundary



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Manhole Reference	Easting	Northing	Liquid Type	Cover Level	Invert Level	Depth to Invert

			Depth to Inve

Joe Shawyer

From: nrswa.uk@engie.com
Sent: 05 September 2019 16:12

To: Joe Shawyer **Subject:** Automatic reply:

ENGIE

Thank you for your enquiry. This mail box is monitored constantly

ENGIE owns and operates district energy networks in the following areas and have buried pipework either inside or very close to the area codes listed below:

- Birmingham B1-B9, B15-B19
- Coventry CV1, CV2 & CV3
- Eastleigh SO50
- Hatfield AL10
- Leicester LE1-LE5
- Leeds LS2
- London
 - Bloomsbury W1, WC1, WC2, NW1 & N1C
 - Olympic Site E3, E7, E9-E11, E13, E15 & E20
 - Whitehall -SW1A, SW1E, SW1H, SW1P, SW1V & SW1Y
 - ExCel Exhibition Centre E16
 - Embassy Quarter SW8, SW11
- Southampton SO14, SO15 & SO17

Due to the volume of enquiries, ENGIE is only able to respond to enquiries which fall within the above Areas of Interest.

If your enquiry falls within these areas, ENGIE will respond with a further email containing details of buried assets which may or may not affect your work.

However, if no response is forthcoming please take this automated reply as evidence that ENGIE have no assets within the areas. In accordance with the NRSWA 1991 legislation, please allow 10 days a response.

If you have any further questions or queries, please email doccontrol@engie.com

ENGIE Document Control

Urban Energy
UK & Ireland
NRSWA.UK@engie.com

Cofely GDF SUEZ is now ENGIE engie.co.uk

Kings Yard, 1 Waterden Road, Queen Elizabeth Olympic Park London E15 2GP - UK

Francesca Margiotta

From: Utilities Stats < Utilities.Stats@essexhighways.org>

Sent: 20 November 2020 06:27 **To:** Francesca Margiotta

Subject: RE: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Good Morning

We do not have any apparatus within your area of interest.

Kind Regards

Judith Turtill | Stats Enquiry Officer

Stats Team



Safer, greener, healthier

judith.turtill@essexhighways.org

Chat with me on Teams

www.essex.gov.uk/highways

From: Francesca Margiotta < FMargiotta@groundwise.com >

Sent: 16 November 2020 14:08

To: Utilities Stats < Utilities. Stats@essexhighways.org>

Subject: Ref: 27201FM Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Request for plans & information showing the location of any council owned assets within the vicinity of the following site:

• Street Lighting apparatus/cabling

Ref: 27201FM

Site: Land off Radwinter Road, Saffron Walden, CB10 2JZ

Easting/Northing:555776, 238175

Requests: URGENT

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

We are doing research on the above site for a client and would be grateful if you could confirm whether the council holds any drawings/plans showing any cabling or apparatus in the immediate vicinity of this site. The reason we need

Appendix D

Anglian Water Pre-Planning Assessment Report





Pre-Planning Assessment Report

Land at Radwinter Road, Saffron Walden

InFlow Reference: PPE-0112223

Assessment Type: Used Water

Report published: 25/01/2021







Thank you for submitting a pre-planning enquiry.

This has been produced for Rosconn Strategic Land.

Your reference number is PPE-0112223.

This report can be submitted as a drainage strategy for the development should it seek planning permission.

If you have any questions upon receipt of this report, you can submit a further question via InFlow. Alternatively, please contact the Planning & Capacity team on **0345 60 66 087**, Option 1 or email planningliaison@anglianwater.co.uk

Section 1 - Proposed development

The response within this report has been based on the following information which was submitted as part of your application:

List of planned developments				
Type of development	No. Of units			
Dwellings	300			

The anticipated residential build rate is:

Year	Y1	Y2	Y3	Y4	Y5	Y6
Build rate	50	50	50	50	50	50

Development type: Greenfield

Planning application status: Unknown

Site grid reference number: TL5578138183

The comments contained within this report relate to the public water mains and sewers indicated on our records.

Your attention is drawn to the disclaimer in the useful information section of this report.

Section 2 - Assets affected

Our records indicate that we have the following types of assets within or overlapping the boundary of your development site as listed in the table below.

Additionally, it is highly recommended that you carry out a thorough investigation of your proposed working area to establish whether any unmapped public or private sewers and lateral drains are in existence. We are unable to permit development either over or within the easement strip without our prior consent. The extent of the easement is provided in the table below. Please be aware that the existing water mains/public sewers should be located in highway or open space and not in private gardens. This is to ensure available access for any future maintenance and repair and this should be taken into consideration when planning your site layout.

Water and Used water easement information			
Asset type	Pipe size (mm)	Total easement required (m)	
Sewer mains	180	3.00 m either side of the centre line	
Sewer mains	180	3.00 m either side of the centre line	
Sewer mains	180	3.00 m either side of the centre line	
Sewer mains	180	3.00 m either side of the centre line	
Sewer mains	180	3.00 m either side of the centre line	

If it is not possible to avoid our assets then these may need to be diverted in accordance with Section 185 of the Water Industry Act (1991). You will need to make a formal application if you would like a diversion to be considered.

Due to the private sewer transfer in October 2011 many newly adopted public used water assets and their history are not indicated on our records. You also need to be aware that your development site may contain private water mains, drains or other assets not shown on our records. These are private assets and not the responsibility of Anglian Water but that of the landowner.

Section 3 - Water recycling services

In examining the used water system we assess the ability for your site to connect to the public sewerage network without causing a detriment to the operation of the system. We also assess the receiving water recycling centre and determine whether the water recycling centre can cope with the increased flow and effluent quality arising from your development.

Water recycling centre

The foul drainage from the proposed development is in the catchment of Saffron Walden Water Recycling Centre, which currently has capacity to treat the flows from your development site. Anglian Water cannot reserve capacity and the available capacity at the water recycling centre can be reduced at any time due to growth, environmental and regulation driven changes.

Used water network

Our assessment has been based on development flows connecting to the nearest foul water sewer of the same size or greater pipe diameter to that required to drain the site. The infrastructure to convey foul water flows to the receiving sewerage network is assumed to be the responsibility of the developer. Conveyance to the connection point is considered as Onsite Work and includes all work carried out upstream from of the point of connection, including making the connection to our existing network. This connection point has been determined in reference to the calculated discharge flow and on this basis, a 150mm internal diameter pipe is required to drain the development site. The nearest practicable connection is to the 150mm diameter sewer at manhole 6300 adjacent to Radwinter Road at National Grid Reference NGR TL5559938372. The cover level is 78.16m and the invert level is 73.71m. Anglian water has assessed the impact of gravity flows from the planned development to the public foul sewerage network. We can confirm that this is acceptable as the foul sewerage system, at present, has available capacity for your site. Please note that Anglian Water will request a suitably worded condition at planning application stage to ensure this strategy is implemented to mitigate the risk of flooding.

It is assumed that the developer will provide the necessary infrastructure to convey flows from the site to the network. Consequently, this report does not include any costs for the conveyance of flows.

Surface water disposal

You indicated on the Pre-Planning Application form that a connection to the public surface water sewer network is not required. Therefore a capacity assessment has not been made on the public surface water network

As you may be aware, Anglian Water will consider the adoption of SuDs provided that they meet the criteria outline in our SuDs adoption manual. This can be found on our website. We will adopt features located in public open space that are designed and constructed, in conjunction with the Local Authority and Lead Local Flood Authority (LLFA), to the criteria within our SuDs adoption manual. Specifically, developers must be able to demonstrate:

- 1. Effective upstream source control,
- 2. Effective exceedance design, and
- 3. Effective maintenance schedule demonstrating than the assets can be maintained both now and in the future with adequate access.

If you wish to look at the adoption of any SuDs then an expression of interest form can be found on our website

As the proposed method of surface water disposal is not relevant to Anglian Water; we suggest that you contact the relevant Local Authority, Lead Local Flood Authority, the Environment Agency or the Internal Drainage Board, as appropriate.

Trade Effluent

We note that you do not have any trade effluent requirements. Should this be required in the future you will need our written formal consent. This is in accordance with Section 118 of the Water Industry Act (1991).

Used Water Budget Costs

Your development site will be required to pay an infrastructure charge for each new property connecting to the public sewer that benefits from Full planning permission.

You will be required to pay an infrastructure charge upon connection for each new plot on your development site. The infrastructure charge are types of charges set out in Section 146(2) of the Water Industry Act 1991

The charge should be paid by anyone who wishes to build or develop a property and is payable upon request of connection.

Payment of the infrastructure charge must be made before premises are connected to the public sewer.

Infrastructure charge for water recycling:	£ 570.00
--	----------

The Water Recyling Infrastructure charge for your dwellings is:

Infrastructure charge	Number of units	Total
£ 570.00	300	£ 171000

Infrastructure charges are raised on a standard basis of one charge per new connection (one for water and one for sewerage). However, if the new connection is to non-household premises, the fixed element is calculated according to the number and type of water fittings in the premises. This is called the "relevant multiplier" method of calculating the charge.

Details of the relevant multiplier for each fitting can be found at our website.

It has been assumed that the onsite used water network will be provided under Section 104 of the Water Industry Act

It is recommended that you also budget for connection costs.

Please note that we offer alternative types of connections depending on your needs and these costs are available at our website.

Section 4 - Map of Proposed Connection Points



Figure 1:Showing your used water point of connection

Section 5 - Useful information

Water Industry Act - Key used water sections

Section 98:

This provides you with the right to requisition a new public sewer. The new public sewer can be constructed by Anglian Water on your behalf. Alternatively, you can construct the sewer yourself under section 30 of the Anglian Water Authority Act 1977.

Section 102:

This provides you with the right to have an existing sewerage asset vested by us. It is your responsibility to bring the infrastructure to an adoptable condition ahead of the asset being vested.

Section 104:

This provides you with the right to have a design technically vetted and an agreement reached that will see us adopt your assets following their satisfactory construction and connection to the public sewer.

Section 106

This provides you with the right to have your constructed sewer connected to the public sewer.

Section 185

This provides you with the right to have a public sewerage asset diverted.

Details on how to make a formal application for a new sewer, new connection or diversion are available on our website or via our Development Services team on **0345 60 66 087**.

Sustainable drainage systems

Many existing urban drainage systems can cause problems of flooding, pollution or damage to the environment and are not resilient to climate change in the long term.

Our preferred method of surface water disposal is through the use of Sustainable Drainage Systems or SuDS.

SuDS are a range of techniques that aim to mimic the way surface water drains in natural systems within urban areas. For more information on SuDS, please visit our website

We recommend that you contact the Local Authority and Lead Local Flood Authority (LLFA) for your site to discuss your application.

Private sewer transfers

Sewers and lateral drains connected to the public sewer on the 1 July 2011 transferred into Water Company ownership on the 1 October 2011. This follows the implementation of the Floods and Water Management Act (FWMA). This included sewers and lateral drains that were subject to an existing Section 104 Adoption Agreement and those that were not. There were exemptions and the main non-transferable assets were as follows:

Surface water sewers and lateral drains that do not discharge to the public sewer, e.g. those that discharged to a watercourse

Foul sewers and lateral drains that discharged to a privately owned sewage treatment/collection facility.

Pumping stations and rising mains will transfer between 1 October 2011 and 1 October 2016.

The implementation of Section 42 of the FWMA will ensure that future private sewers will not be created. It is anticipated that all new sewer applications will need to have an approved section 104 application ahead of a section 106 connection

It is anticipated that all new sewer applications will need to have an approved Section104 application ahead of a Section 106 connection

Encroachment

Anglian Water operates a risk based approach to development encroaching close to our used water infrastructure. We assess the issue of encroachment if you are planning to build within 400 metres of a water recycling centre or, within 15 metres to 100 metres of a pumping station. We have more information available on our website

Locating our assets

Maps detailing the location of our water and used water infrastructure including both underground assets and above ground assets such as pumping stations and recycling centres are available from digdat

All requests from members of the public or non-statutory bodies for maps showing the location of our assets will be subject to an appropriate administrative charge.

We have more information on our website

Charging arrangements

Our charging arrangements and summary for this year's water and used water connection and infrastructure charges can be found on our website

Section 6 - Disclaimer

The information provided in this report is based on data currently held by Anglian Water Services Limited ('Anglian Water') or provided by a third party. Accordingly, the information in this report is provided with no guarantee of accuracy, timeliness, completeness and is without indemnity or warranty of any kind (express or implied).

This report should not be considered in isolation and does not nullify the need for the enquirer to make additional appropriate searches, inspections and enquiries. Anglian Water supports the plan led approach to sustainable development that is set out in the National Planning Policy Framework ('NPPF') and any infrastructure needs identified in this report must be considered in the context of current, adopted and/or emerging local plans. Where local plans are absent, silent or have expired these needs should be considered against the definition of sustainability holistically as set out in the NPPF.

Whilst the information in this report is based on the presumption that proposed development obtains planning permission, nothing in this report confirms that planning permission will be granted or that Anglian Water will be bound to carry out the works/proposals contained within this report.

No liability whatsoever, including liability for negligence is accepted by Anglian Water or its partners, employees or agents, for any error or omission, or for the results obtained from the use of this report and/or its content. Furthermore, in no event will any of those parties be liable to the applicant or any third party for any decision made or action taken as a result of reliance on this report.

This report is valid for the date printed and the enquirer is advised to resubmit their request for an up to date report should there be a delay in submitting any subsequent application for water supply/sewer connection(s).

InFlow Ref: PPE-0112223



InFlow reference: PPE-0112223

Used Water Connection Point: at manhole 6300 adjacent to Radwinter Road



Private Sewer*