

LINESEARCH

Joanna James Ltd.

Geovation House, 37 Armstrong Road, Cheltenham, GL52 7SB

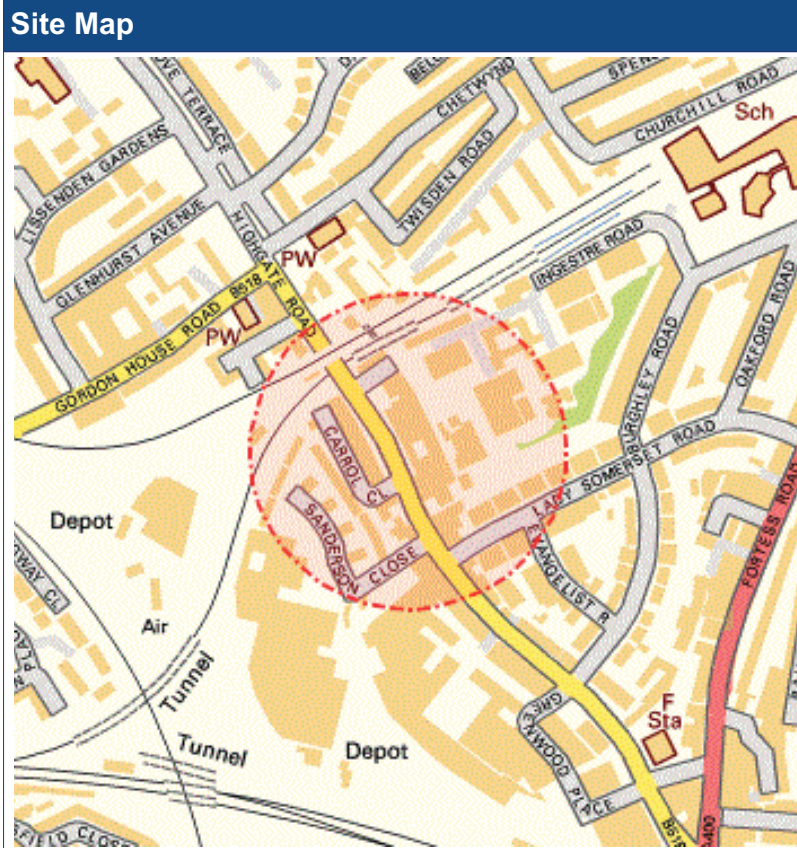
Tel: +44 (0)1242 681140

Email: info@joanna-james.com

Enquirer			
Name	Mr Jake Hughes	Phone	0151 632 5142
Company	Cornerstone Projects Ltd	Mobile	Not Supplied
		Fax	Not Supplied
Address	91 Market Street Hoylake Wirral Merseyside CH47 5AA		
Email	searches@cornerstoneprojects.co.uk		
Notes	Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.		

Enquiry Details			
Scheme/Reference	U118/17		
Enquiry type	Planned Works	Work category	Development Projects
Start date	24/06/2017	Work type	Commercial/industrial
End date	24/06/2017	Site size	280 metres diameter
Searched location	XY= 528713, 185660 Easting/Northing	Work type buffer*	75 metres
Confirmed location	528712 185658		

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



Asset Owners

Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.lineasearchbeforeudig.co.uk ("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.

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

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

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

Below are three lists of asset owners:

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

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

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

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
National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	0800688588	Gas 0800111999 Electricity 0800404090	Await response
Zayo Group UK Ltd c/o JSM Group Ltd	01992 655 919	0800 169 1646	Await response

LSBUD members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD members make regular changes to their assets.

List of not affected LSBUD members		
AWE Pipeline	Esso Petroleum Company Limited	Petroineos
BOC Limited (A Member of the Linde Group)	Fulcrum Pipelines Limited	Phillips 66
BP Midstream Pipelines	Gamma	Premier Transmission Ltd (SNIP)
BPA	Gateshead Energy Company	Prysmian Cables & Systems Ltd (c/o Western Link)
Carrington Gas Pipeline	Gigaclear PLC	Redundant Pipelines - LPDA
CATS Pipeline c/o Wood Group PSN	Humbly Grove Energy	RWEnpower (Little Barford and South Haven)
Cemex	IGas Energy	SABIC UK Petrochemicals
Centrica Energy	INEOS Manufacturing (Scotland and TSEP)	Scottish Power Generation
Centrica Storage Ltd	INOVYN Enterprises Limited	Seabank Power Ltd
CLH Pipeline System Ltd	Intergen (Coryton Energy or Spalding Energy)	SGN
Concept Solutions People Ltd	Lark Energy	Shell (St Fergus to Mossmorran)
ConocoPhillips (UK) Ltd	Mainline Pipelines Limited	Shell Pipelines
DIO (MOD Abandoned Pipelines)	Manchester Jetline Limited	Total (Finaline, Colnbrook & Colwick Pipelines)
Dong Energy (UK) Ltd	Manx Cable Company	Transmission Capital
E.ON UK CHP Limited	Marchwood Power Ltd (Gas Pipeline)	Uniper UK Ltd
EirGrid	Melbourn Solar Limited	Vattenfall
Electricity North West Limited	Northumbrian Water Group	Veolia ES SELCHP Limited
ENI & Himor c/o Penspen Ltd	NPower CHP Pipelines	Western Power Distribution
ESP Utilities Group	Oikos Storage Limited	Wingas Storage UK Ltd
ESSAR	Perenco UK Limited (Purbeck Southampton Pipeline)	

Duncan Phillips
Cornerstone Projects
16 Forest Road
Meols
Wirral
CH47 6AU

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: 23/05/2017
Our Ref: NL_TE_Z5_3SWX_331432
Your Ref: U118/17
RE: Proposed Works, 106 highgate road

Thank you for your enquiry which was received on 23/05/2017.
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 Ltd, National Grid Electricity Transmission plc's and National Grid Gas 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-before-you-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 Ltd, National Grid Electricity Transmission plc (NGET) and National Grid Gas plc (NGG) 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 the National Grid Website (<http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=8589934982>).

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 Ltd, NGG 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 ([click here](#)) 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)
- Electricity Transmission underground cables and associated equipment

Requirements

BEFORE carrying out any work you must:

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

GUIDANCE

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>

Working Near National Grid Electricity Transmission equipment:

If you are carrying out any work in proximity to an overhead line or any excavation that may be near an underground cable then please consult National Grid Technical Guidance Note 287 that can be found at <http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=8589935533> Further guidance related to underground cables can also be found at <http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=8589936512>

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 Website: <http://www.nationalgrid.com/uk/Gas/Safety/work/downloads/>



ID: NL_TE_Z5_3SVX_331432		View extent: 4120m, 2440m	
USER: cornerstone		Underground cables Overhead lines	
DATE: 23/05/2017		0m 200m Approximate scale 1:10000 on A3 Colour Landscape	
DATA DATE: 09/03/2017		Map not to be used for construction This plan shows those cables owned by National Grid Electricity Transmission plc in its role as a Licensed Electricity Transporter (ET). Electricity cables owned by other ETs, or otherwise privately owned, may be present in this area. Information with regard to such cables should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Ancillary equipment such as cooling systems and communication cables are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Electricity Transmission plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HSG147, must be used to verify and establish the actual position of cables and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near electricity apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.	
REF: U118/17			
MAP REF: TQ2885			
CENTRE: 528710, 185662		nationalgrid Requested by: Cornerstone Projects This plan is reproduced from or based on the OS map by National Grid Electricity Transmission plc with the sanction of the controller of HM Stationary Office. Crown Copyright Reserved Ordnance Survey Licence number: 100024241	

Map 2 of 2 (ELECTRIC)

MAPS Plot Server Version 1.9.0

ENQUIRY SUMMARY

Received Date

23/05/2017

Your Reference

U118/17

Location

Centre Point: 528710, 185662

X Extent: 264

Y Extent: 260

Location Description: 106 highgate road

Map Options

Paper Size: A3

Orientation: LANDSCAPE

Requested Scale: 2500

Actual Scale: 1:5000 (GAS), 1:10000 (ELECTRIC)

Real World Extents: 2060m x 1220m (GAS), 4120m x 2440m (ELECTRIC)

Recipients

searches@cornerstoneprojects.co.uk

Enquirer Details

Organisation Name: Cornerstone Projects

Contact Name: Duncan Phillips

Email Address: searches@cornerstoneprojects.co.uk

Telephone: 0151 632 5142 (07976008746)

Address: 16 Forest Road, Meols, Wirral, CH47 6AU

Description of Works

01242681140. Development

Enquiry Type

Proposed Works

Activity Type

General Excavation

Work Types

Work Type: Plans Only



Mr Jake Hughes
Cornerstone Projects Ltd
91 Market Street Hoylake
Wirral Merseyside
CH47 5AA

Date: 23/05/2017

Zayo Plant Protection Centre

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

Our Reference: 10482936
Your Reference: U118/17

Dear Mr Jake Hughes,

ZAYO GROUP UK LTD AFFECTED C2 PRELIMINARY PLANT ENQUIRY

We acknowledge with thanks your request dated 23/05/2017 10:54:02 AM for information on the location of our services.

Please find enclosed plan(s) showing the approximate position of our apparatus known to be in the vicinity of this site.

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

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

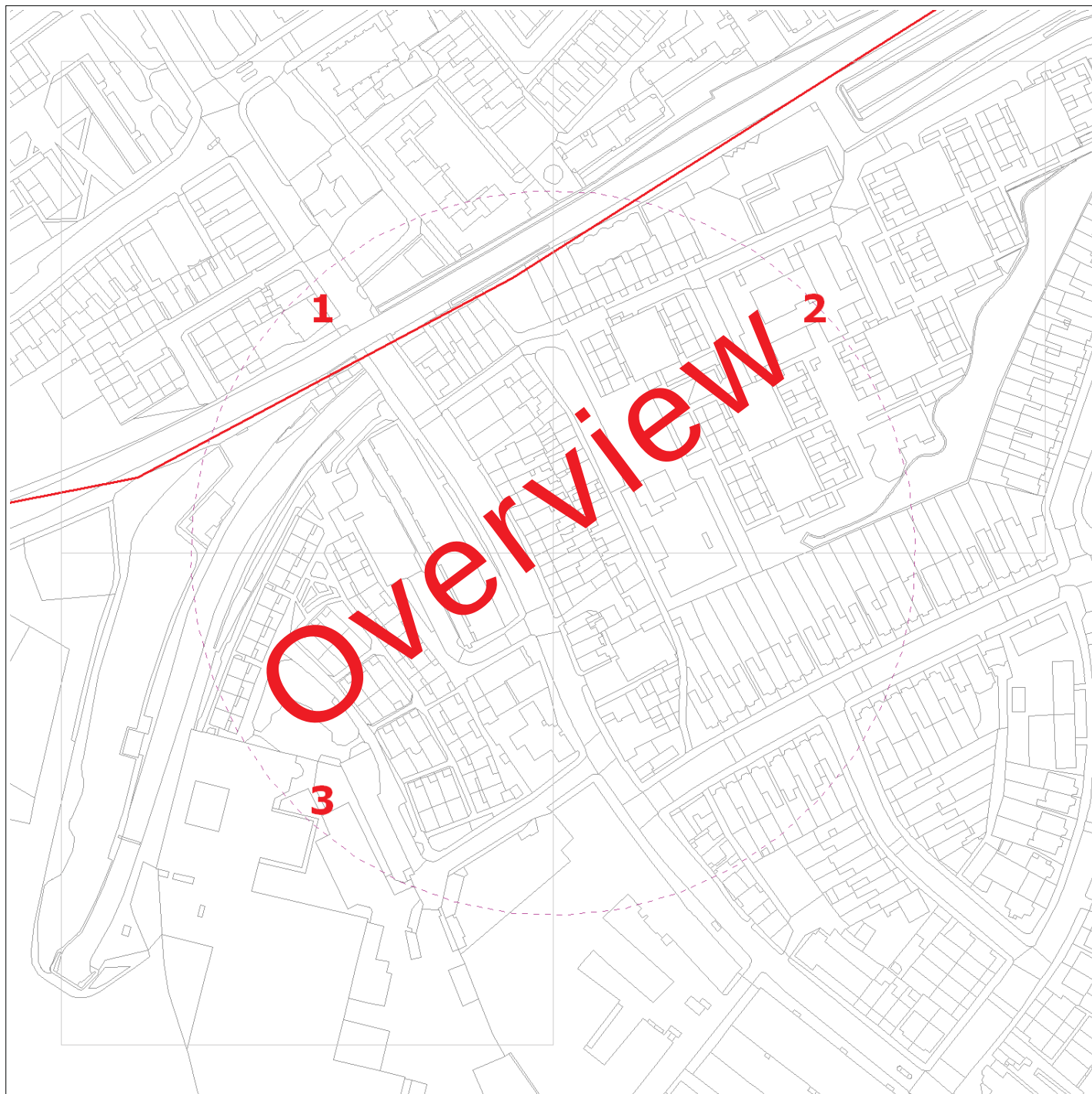
If you would like a Supervisor on site to mark the trench, or to supervise works around the apparatus, please call 5 days in advance to schedule a site meeting. Please note this maybe chargeable.

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

Please do not hesitate to contact us for further assistance.

Regards,

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



Date Requested: 23/05/2017

Requested by: Jake Hughes

Company: Cornerstone Projects Ltd

Job Reference: 10482936

Your Scheme/Reference: U118/17



Dig Sites: Line Area

Scale on A4 paper: 1:1000



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

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JSM Group Ltd
Sterling House
Mutton Lane, Potters Bar
Hertfordshire, EN6 3AR
T: 01992 788 019



Protecting Lives, Cables & Pipes

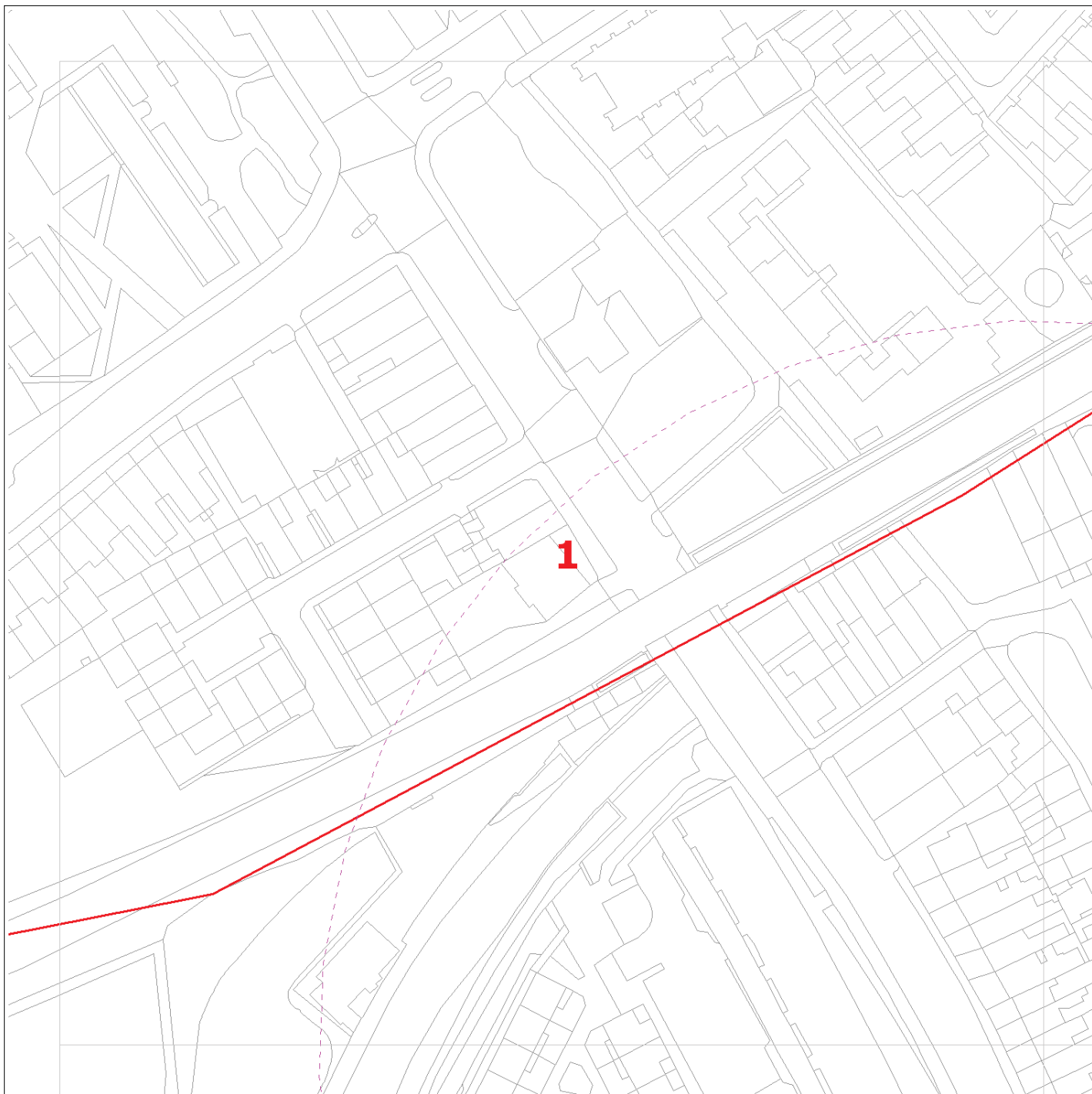
In Emergency Only and if Zayo Plant or Cables damaged call: 0800 169 1646

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed



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zayoplantenquiries@jsmgroup.com



Date Requested: 23/05/2017

Requested by: Jake Hughes

Company: Cornerstone Projects Ltd

Job Reference: 10482936

Your Scheme/Reference: U118/17



Dig Sites: Line - - - - Area - - - -

Scale on A4 paper: 1:1000



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



JSM Group Ltd
 Sterling House
 Mutton Lane, Potters Bar
 Hertfordshire, EN6 3AR
 T: 01992 788 019

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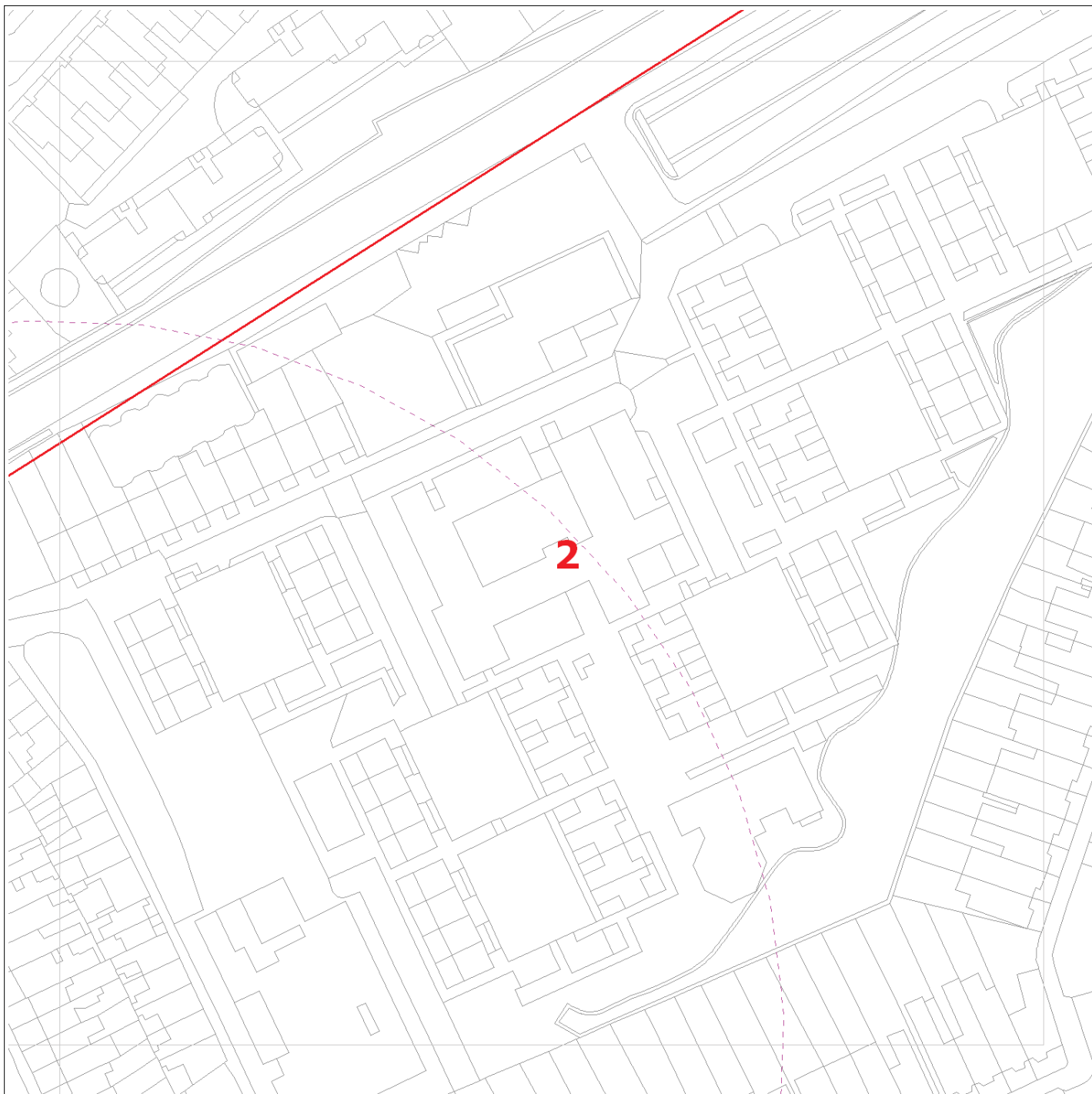
Protecting Lives, Cables & Pipes

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

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Date Requested: 23/05/2017

Requested by: Jake Hughes

Company: Cornerstone Projects Ltd

Job Reference: 10482936

Your Scheme/Reference: U118/17



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

Scale on A4 paper: 1:1000



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



JSM Group Ltd
Sterling House
Mutton Lane, Potters Bar
Hertfordshire, EN6 3AR
T: 01992 788 019

zayoplantenquiries@jsmgroup.com

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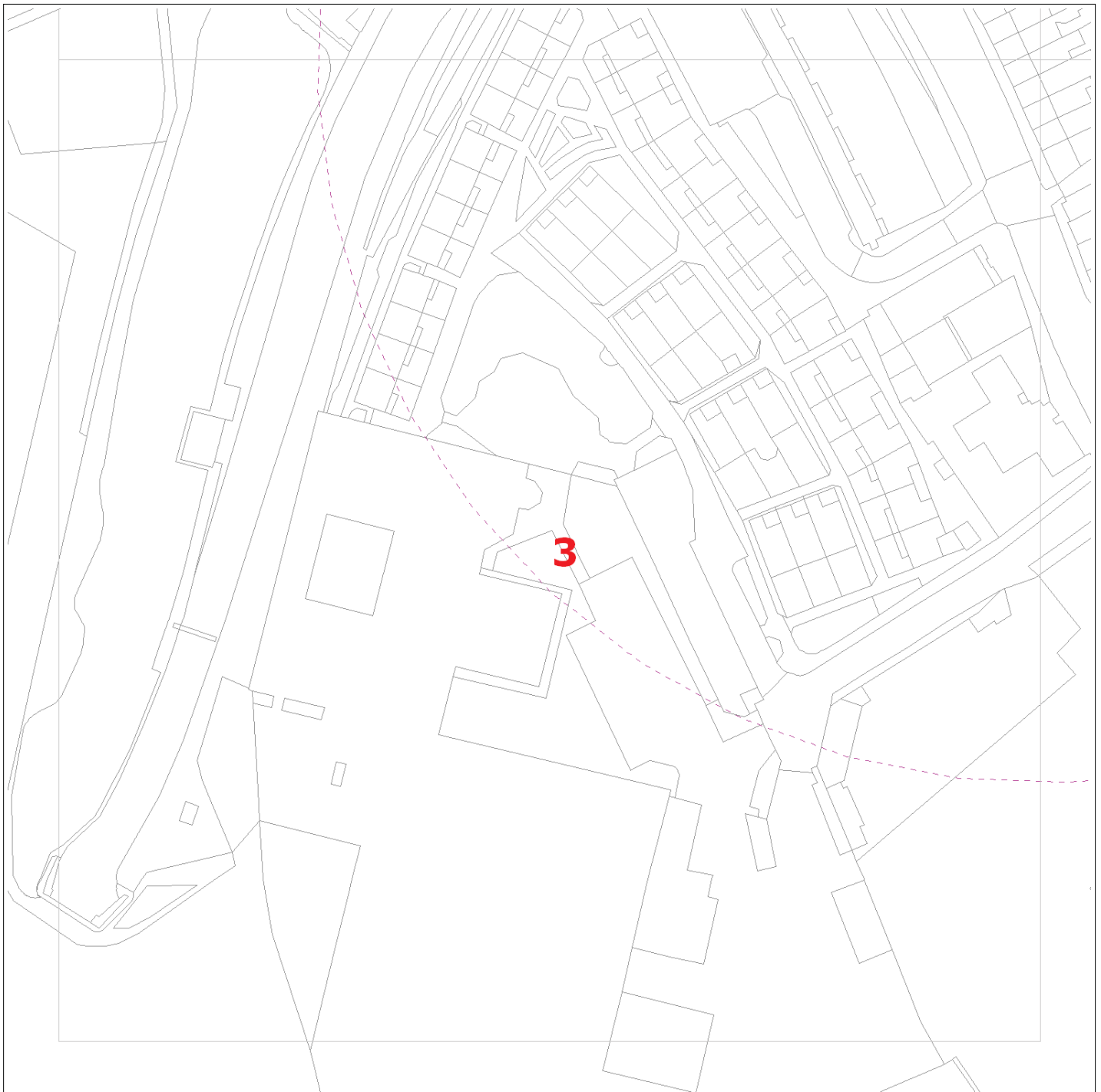
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Date Requested: 23/05/2017

Requested by: Jake Hughes

Company: Cornerstone Projects Ltd

Job Reference: 10482936

Your Scheme/Reference: U118/17



Dig Sites: Line - - - - Area - - - -

Scale on A4 paper: 1:1000



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



JSM Group Ltd
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T: 01992 788 019

zayoplantenquiries@jsmgroup.com

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Protecting Lives, Cables & Pipes

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GUIDE TO CONTRACTORS UNDERTAKING EXCAVATIONS IN THE VICINITY OF ZAYO PLANT

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

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

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

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

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

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

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

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

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

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

Damage to Communications Plant is Expensive – Please Take Care

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

Searches - Cornerstone Projects Ltd

From: no-reply@linesearch.org
Sent: 23 May 2017 11:57
To: searches@cornerstoneprojects.co.uk
Subject: LinesearchbeforeUdig / National Grid Enquiry Response: LSBUD-170523-10482936

Enquiry received at: 11:52:36 on 2017-05-23

Please DO NOT respond directly to this email. If you have any queries please contact LinesearchbeforeUdig on 0870 403 6484, quoting your LinesearchbeforeUdig reference number.

Dear Mr Jake Hughes

Thank you for your enquiry: LSBUD-170523-10482936

Subject always to our standard terms and conditions, this enquiry result is valid for 28 days only from the date of enquiry and is based on the confirmed information you entered. If the location of the work changes then a further enquiry must be made. Should the work not be undertaken within 28 days of the enquiry then a further enquiry must be made.

Enquirer details

Name: Mr Jake Hughes

Company: Cornerstone Projects Ltd

Email: searches@cornerstoneprojects.co.uk

Tel: 0151 632 5142

Enquiry details

Your reference: U118/17

Your location: XY= 528713, 185660 Easting/Northing Confirmed location: OS grid reference (528712 185659)

Estimated start date: 24th June 2017 Type of work: Development Projects - Commercial/Industrial Area covered:

280 metres Planned works: Yes

Emergency: No

Not in the Zone of Interest

National Grid Gas (above 2 bar) and National Grid Electricity Transmission

Thank you for your enquiry

The LinesearchbeforeUdig.co.uk system only contains information on National Grid's Gas above 2 bar asset and all National Grid Electricity Transmission asset. For National Grid Gas below 2 bar asset information please go to <http://www.beforeyoudig.nationalgrid.com>

Please quote the LinesearchbeforeUdig enquiry reference number in *all* correspondence

To view your enquiry history, just log in to www.LinesearchbeforeUdig.co.uk

CABLE

Joanna James Ltd.

Geovation House, 37 Armstrong Road, Cheltenham, GL52 7SB

Tel: +44 (0)1242 681140

Email: info@joanna-james.com

Searches - Cornerstone Projects Ltd

From: Ramanikanthan, Jayakanth <Jayakanth.Ramanikanthan@atkinsglobal.com>
Sent: Wednesday, May 24, 2017 1:11 PM
To: Searches - Cornerstone Projects Ltd
Subject: RE: Plant Enquiries Site Ref. U118/17 106 highgate road

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: 01454 662881
E: osm.enquiries@atkinsglobal.com

ATKINS working on behalf of Vodafone: Fixed



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

PLEASE NOTE:

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

IMPORTANT - PLEASE READ:-

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



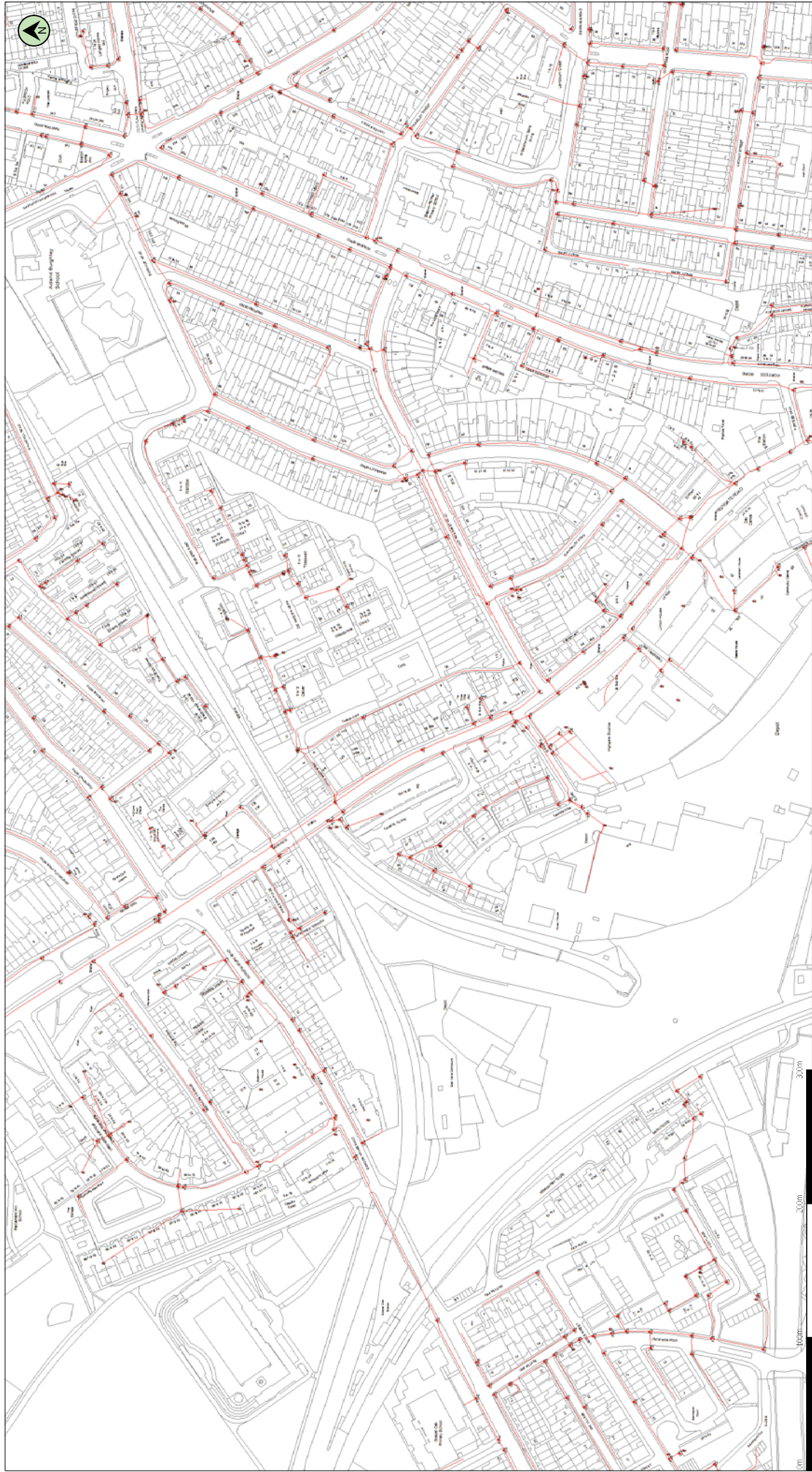
Please consider the environment before printing this e-mail

From: Searches - Cornerstone Projects Ltd [<mailto:searches@cornerstoneprojects.co.uk>]
Sent: 22 May 2017 21:17
To: National Plant Enquiry's <OSM.enquiries@atkinsglobal.com>
Subject: Plant Enquiries Site Ref. U118/17 106 highgate road

Dear Sirs,

Re: - Underground Apparatus / Plant

Site Ref. U118/17 106 highgate road - 106 highgate road, London - NGR E528713 N185660



(c) Crown copyright and database rights 2017 Ordnance Survey 100019209 Date: 23/05/17 Scale: 1:2748 Map Centre: 528713, 185660 Data updated: 07/05/17 Telecons Plan A3

Important information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2017 Ordnance Survey 100019209.

Duct, Trench

Chamber

Cabinet

duncan@cornerstoneprojects.co.uk
U18/17



Searches - Cornerstone Projects Ltd

From: NRSWA <NRSWA@sky.uk>
Sent: Wednesday, May 24, 2017 9:42 AM
To: searches@cornerstoneprojects.co.uk
Subject: Sky Telecommunications Services Ltd Plant Enquiry - PEN-17-05-2944 : Cornerstone Projects Ltd
- U118/17 106 highgate road

Attention: Jake Hughes - Cornerstone Projects Ltd

Dear Sir/Madam,

RE: 106 highgate road, London

Thank you for your enquiry.

Please be advised that Sky Telecommunications Services Ltd will not be affected by these works.

Best endeavours have been made to ensure accuracy, however if you require further information, please contact us.

If you would like to submit your plant enquiries electronically, please send them to nrswa@sky.uk

Please be advised that our fax number has changed to 0207 032 3252.

Regards

NRSWA Department
Network Infrastructure and Planning
SKY Telecommunications Services Ltd
70 Buckingham Avenue
SLOUGH
SL1 4PN

T +44 (0) 207 032 3234/250
F +44 (0) 207 032 3252
E nrswa@sky.uk

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Searches - Cornerstone Projects Ltd

From: Plantenquiries <plantenquiries@catelecomuk.com>
Sent: Tuesday, May 30, 2017 8:27 AM
To: Searches - Cornerstone Projects Ltd
Subject: RE: Plant Enquiries Site Ref. U118/17 106 highgate road

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: Searches - Cornerstone Projects Ltd [mailto:searches@cornerstoneprojects.co.uk]
Sent: 22 May 2017 16:48
To: Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>
Subject: Plant Enquiries Site Ref. U118/17 106 highgate road

Dear Sirs,

Searches - Cornerstone Projects Ltd

From: Alex McQueeney <Alex.McQueeney@mcnicholas.co.uk>
Sent: 06 June 2017 16:28
To: Searches - Cornerstone Projects Ltd
Subject: RE: URGENT: Plant Enquiries - KPN, TATA & SOTA Site Ref. U118/17 106 highgate road

NOT AFFECTED KPN/TATA



Alex McQueeney

Planning, Design & Maintenance
Administrator

www.mcnicholas.co.uk

Registered Address: Lismirrane Ind Park | Elstree Road | Elstree | Hertfordshire | WD6 3EA | England

From: Searches - Cornerstone Projects Ltd [<mailto:searches@cornerstoneprojects.co.uk>]
Sent: 06 June 2017 15:31
To: Greg Turberfield <Greg.Turberfield@mcnicholas.co.uk>
Subject: URGENT: Plant Enquiries - KPN, TATA & SOTA Site Ref. U118/17 106 highgate road

//BEWARE: This email originated outside the McNicholas Network – Ensure you trust the sender before clicking on links or opening any attachments\\

Hi,

We don't seem to have received a response to the below plant enquiry, can you please forward this.

Regards,

Cornerstone Projects Ltd

www.cornerstoneprojects.co.uk

Email: searches@cornerstoneprojects.co.uk

Tel: 0151 632 5142

FAX: 0870 762 6172

From: Searches - Cornerstone Projects Ltd [<mailto:searches@cornerstoneprojects.co.uk>]
Sent: 22 May 2017 16:48
To: plantenquiries@mcnicholas.co.uk
Subject: Plant Enquiries - KPN, TATA & SOTA Site Ref. U118/17 106 highgate road

Dear Sirs,

Re: - Underground Apparatus / Plant

Site Ref. U118/17 106 highgate road - 106 highgate road, London - NGR E528713 N185660

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

Searches - Cornerstone Projects Ltd

From: Plant Enquiries <plantenquiries@energetics-uk.com>
Sent: 23 May 2017 12:08
To: Searches - Cornerstone Projects Ltd
Subject: RE: Plant Enquiries Site Ref. U118/17 106 highgate road

Dear Sir/Madam,

Thank you for submitting your recent plant enquiry.

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

Please be advised that it may take around 10 working days to process enquiries. In the unlikely event that you have been waiting longer than 10 working days, or require further assistance with outstanding enquiries, please call 01698 404979.

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

Regards

Plant Enquiries



E: plantenquiries@energetics-uk.com
W: www.energetics-uk.com

International House, Stanley Boulevard, Hamilton International Technology Park, Glasgow



From: Searches - Cornerstone Projects Ltd [<mailto:searches@cornerstoneprojects.co.uk>]
Sent: 22 May 2017 16:48
To: Searches - Cornerstone Projects Ltd
Subject: Plant Enquiries Site Ref. U118/17 106 highgate road

Dear Sirs,

Re: - Underground Apparatus / Plant

Site Ref. U118/17 106 highgate road - 106 highgate road, London - NGR E528713 N185660

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

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

Your earliest response would be greatly appreciated.

Thanks,

LEGEND

- EXISTING PLANT
- EXISTING PLANT

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Head Office
CityFibre Holdings Ltd
15 Bedford Street,
Warrington,
Cheshire, WA3 6JH
Tel: 0845 293 0774
Web: www.cityfibre.com

Asset Office
CityFibre Holdings Ltd,
Bathurst House,
15 Bedford Street,
Warrington,
Cheshire, WA3 6JH
Email: asset.team@cityfibre.com

Disclaimer:

Information shown on this plan is for general guidance only. No warranty is made as to its accuracy. This plan must not be solely relied upon in the event of excavation or other works being carried out in the ground. CityFibre Ltd and its agents accept no liability of any kind is accepted by CityFibre, its agents or servants for any error, omission, discrepancy or deviation. This information is valid for the date printed.

Project
Plant Enquiry

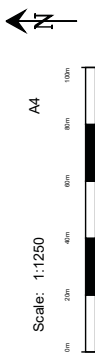
Drawing
Existing Plant

Drawn by:
smallworld

Date: 23/05/2017

Drawing No.
CFH_EP_000001

Revision
001



telent
Mayne House
Fenton Way
Basildon
Essex
SS15 6TD
United Kingdom

Telephone: +44 (0)800 526 015

www.telent.com

Date 31/05/2017
Our Ref LPENQ0000089958

Dear Sir/Madam

Teliasonera Line Plant Enquiry.

Thank you for your correspondence enclosing details of your proposals as per your reference below.

U118/17 106 Highgate Road, London

Our client's apparatus, Teliasonera, is not located within the vicinity of the above reference and we therefore have no further interest in this current location.

Please note that all enquiries relating to the Teliasonera line plant should be forwarded to:

By post – to, telent,

Teliasonera line plant enquiries,

Mayne House,

Fenton Way,

Basildon,

Essex

SS15 6TD

By email - to, telenttelia.plantenquiries@telent.com

By phone – to, 01268 412670

Yours faithfully

Telent CCO

Basildon

Searches - Cornerstone Projects Ltd

From: Plantenquiries <Plantenquiries@instalcom.co.uk>
Sent: 24 May 2017 15:04
To: 'Searches - Cornerstone Projects Ltd'
Subject: E05-17-3978 RE: Plant Enquiries Site Ref. U118/17 106 highgate road

Dear Sir or Madam,

Thank you for your plant enquiry below.

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

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

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

Regards

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

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



From: Searches - Cornerstone Projects Ltd [<mailto:searches@cornerstoneprojects.co.uk>]
Sent: 22 May 2017 16:48
To: Searches - Cornerstone Projects Ltd
Subject: Plant Enquiries Site Ref. U118/17 106 highgate road

Dear Sirs,

Re: - Underground Apparatus / Plant

Site Ref. U118/17 106 highgate road - 106 highgate road, London - NGR E528713 N185660

In order that all reasonable precautions may be taken to avoid risk to health and safety through contact with any of your existing apparatus during execution of works at the above site location, please provide plan(s) indicating the

Searches - Cornerstone Projects Ltd

From: UK OSP-Team <osp-team@uk.verizon.com>
Sent: Wednesday, May 24, 2017 10:48 AM
To: Searches - Cornerstone Projects Ltd
Cc: UK OSP-Team
Subject: RE: Plant Enquiries Site Ref. U118/17 106 highgate road

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: Searches - Cornerstone Projects Ltd [<mailto:searches@cornerstoneprojects.co.uk>]
Sent: 22 May 2017 16:48
To: Searches - Cornerstone Projects Ltd
Subject: Plant Enquiries Site Ref. U118/17 106 highgate road

Dear Sirs,

Re: - Underground Apparatus / Plant

Site Ref. U118/17 106 highgate road - 106 highgate road, London - NGR E528713 N185660

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

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

Your earliest response would be greatly appreciated.

Thanks,

Jake Hughes
Projects Manager
Cornerstone Projects Ltd

Searches - Cornerstone Projects Ltd

From: Interoute Enquiries <interoute.enquiries@plancast.co.uk>
Sent: 23 May 2017 09:37
To: Searches - Cornerstone Projects Ltd
Subject: RE: Plant Enquiries Site Ref. U118/17 106 highgate road

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

To whom it may concern

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

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

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

All responses are only valid for 28 days

Yours faithfully

PLANCAST Plant Enquiry Department



The Old Haybarn
Rosebery Mews, Mentmore
Bedfordshire LU7 0UE

T: 01296 662647
www.plancast.co.uk

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

From: Searches - Cornerstone Projects Ltd [<mailto:searches@cornerstoneprojects.co.uk>]
Sent: 22 May 2017 16:48
To: Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>
Subject: Plant Enquiries Site Ref. U118/17 106 highgate road

INDEPENDENT UTILITIES

GTC	Attached	Including GTC Pipelines, Independent Pipelines, Independent Power Networks, Electricity Network Company, Independent Water Networks
Energetics	Attached	See cable section
SSE	Not affected	Including Indigo Pipelines, Neos
Harlaxton Energy	Attached	
Utility Assets	Not affected	
UK Power Distribution	Attached	
Albion Water	Not affected	
Peel	Not affected	
ESP	Not affected	
Fulcrum	Not affected	

Searches - Cornerstone Projects Ltd

From: plantenquiryservice@gtc-uk.co.uk
Sent: 23 May 2017 13:40
To: searches@cornerstoneprojects.co.uk
Subject: GTC Plant Enquiry - Ref- 433172
Attachments: 433172.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: 433172
Your Enquiry Ref: U118/17

Dear Duncan,

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.

N0017282

Gas

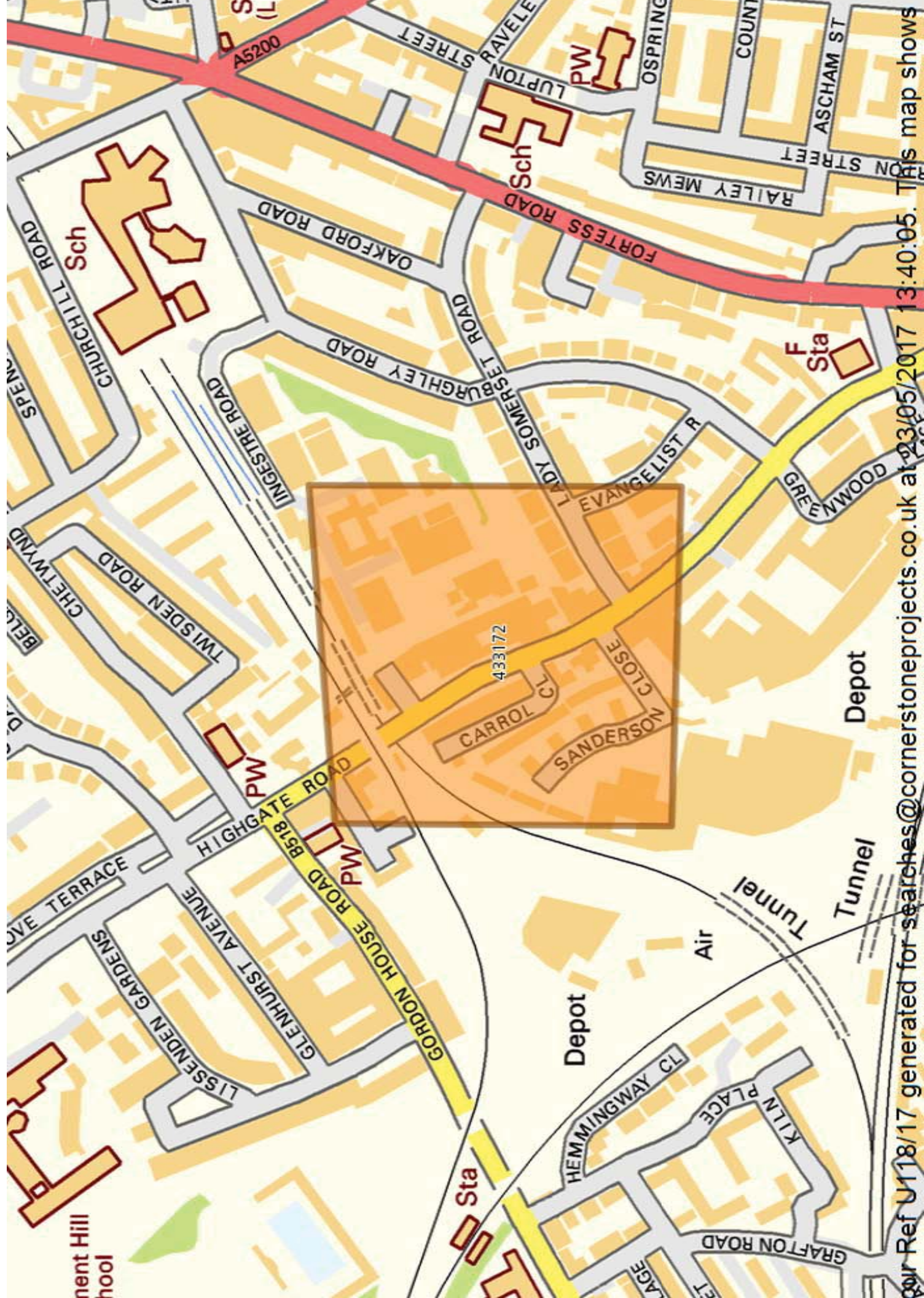
- [N0017282-1_1_of_1.png](#)

Electric

- [EN0017282-1_1_of_1.png](#)

This information is for guidance only and the precise position of the plant must be established, prior to your works, using hand-digging methods only. The contractor will be held responsible for any damage caused to our asset. Please note our assets now include those owned and operated by:

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



SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

General

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

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

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

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

Precautions for Gas Networks

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

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

Precautions for Electricity Networks

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

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

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

Precautions for Water Networks

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

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

Precautions for Fibre Networks

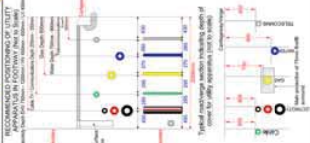
47. Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.
48. Chambers with IFNL marked lids can be used as an onsite indicator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

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

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

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

This table is given mainly as a guide for study design, not to be taken literally. The number of subjects per group should be determined by a power calculation, taking into account the expected effect size, the variability of the outcome, the significance level, and the power of the study. The number of subjects per group should be determined by a power calculation, taking into account the expected effect size, the variability of the outcome, the significance level, and the power of the study.



10

See Notes
 The following information is for informational purposes only and is not intended to constitute an offer of any securities. The information is not to be used in connection with any offer of securities. The information is not to be used in connection with any offer of securities. The information is not to be used in connection with any offer of securities.

to support or to assist in a liability settlement. Damages resulting either from a covered or noncovered event are not payable. Management and those of Management's subsidiaries, including administrative costs, will be fully obligated to the extent of the policy limits. The policy does not give the document's signatories the right to sue the insurer.

Asset Owner:
1275
North Salinas Pk. Suite 900
San Jose, CA 95128
(408) 666-1000

gt
get your way

MICROALIA CLASSE 27.10.2018

Contract Approved By:
441710 approved by 22.07.2016

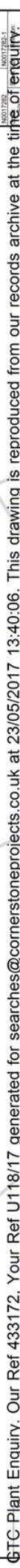
Approved By:

528747, 185664
location: Plots 1-30, College Lane,
KENTISH TOWN, London, N4
1BJ

Developer/Client: Powersave Direct
Drawing Number/Title: 60017282-1 1 of 1
Sheetwork Number: 60017282
Project Number: 60017282-1
Date of engineering:

175001 **Equality.**

TC-Plant Enquiry. Our Ref 433172. Your Ref U118/17 generated for searches@cornerstoneprojects.co.uk at 23/05/2017 13:40:05. This drawing is reproduced from our records archive at the time of enquiry.



Searches - Cornerstone Projects Ltd

From: Claire Phillips <Claire@harlaxton.com>
Sent: 23 May 2017 11:52
To: Searches - Cornerstone Projects Ltd
Subject: RE: Plant enquiry - Site Ref. U118/17 106 highgate road

Good Morning Jake,

I can confirm there are no assets in the area.

Kind Regards

Claire Phillips
Distribution Administration Assistant
0844 800 1813



Visit our website www.harlaxtonenergynetworks.co.uk and explore at your leisure



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Please consider the environment before printing this e-mail

From: Searches - Cornerstone Projects Ltd [<mailto:searches@cornerstoneprojects.co.uk>]
Sent: 22 May 2017 16:49

Searches - Cornerstone Projects Ltd

From: Virtual Utilities <no-reply@virtual-utilities.co.uk>
Sent: 23 May 2017 13:51
To: Duncan Phillips
Subject: Your UK Power Distribution Order - #1356
Attachments: invoice-1356.pdf

Thank you for your order

Thanks for your recent enquiry to UK Power Distribution.

Please find attached your invoice. The details of your order are also below:

According to our database there are no UK Power Distribution records within your search area.

Please note that any recent additions or alterations to our network may not be shown. Cables or pipes owned by other network owners or private companies will not be shown.

Before any excavations are undertaken you should always verify exact locations of cables using a cable locator, and by careful use of hand tools in accordance with HSE guidance note HSG47 "Avoiding danger from underground services"

Other useful documents to read prior to undertaking any works are HSE GS6, "Avoiding danger from overhead power lines" and HSE "Avoiding concealed services and overhead power lines"

Order number: #1356

Description	Date	Qty	Amount (£)
Utility Records Search View Map	23-05-2017 12:51:31	1	9.00
		VAT (@ 20%)	1.80
		Grand Total	10.80

Your Details

Duncan Phillips

searches@cornerstoneprojects.co.uk

Billing Address

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Wirral,
Merseyside,
CH475AA

<https://ukpd.virtual-utilities.co.uk>
