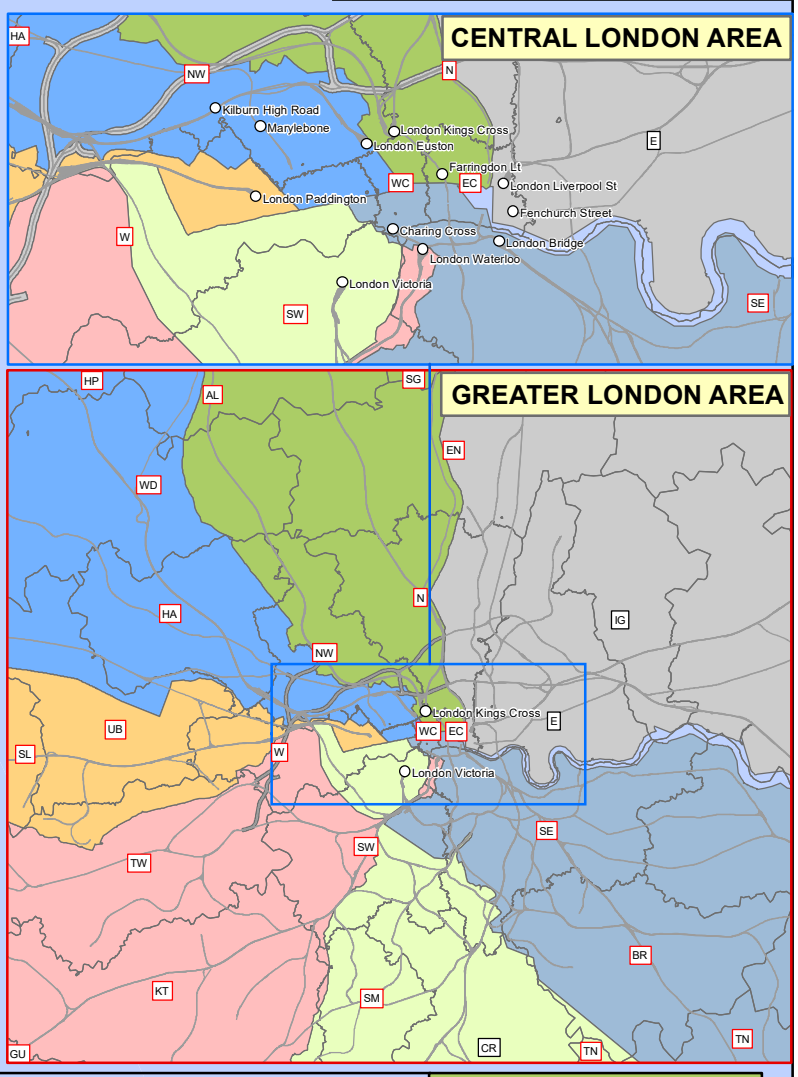
Please complete a development questionnaire and submit it to the relevant route email address found on the map below

The Asset Protection Project Managers lead dedicated teams in providing advice to the public who are planning activities on or near the railway.

The teams deal with a multitude of issues including neighbouring construction sites, utility works, bridge works, domestic maintenance, new road schemes, inspection and surveying and works within the designated precautionary area of level crossings.

* It does not cover subjects such as emergencies, Town & Country Planning, property Sales or complaints.



SCOTLAND

Network Rail
Asset Protection Team
Floor 2, Buchanan House
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Tel:- 0141 555 4087

Manager: Raymond Sheridan

NEW ENQUIRIES
AssetProtectionScotland@networkrail.co.uk

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NORTH WEST

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CENTRAL & WEST COAST MAINLINE SOUTH

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Elder Gate
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SN1 1BD

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KENT

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Kent Asset Protection Team
27 Great Suffolk Street
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SE1 0NS

Tel:- 0203 357 7965

Manager: Logan Subramaniam

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AssetProtectionLondonSouthEast@networkrail.co.uk

WESSEX

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Wessex Asset Protection Team
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Waterloo Station
London
SE1 8SW

Tel:- 0330 854 0648

Manager: Peter Barron

NEW ENQUIRIES
AssetProtectionWessex@networkrail.co.uk

SUSSEX

Network Rail
Sussex Asset Protection Team
27 Great Suffolk Street
London
SE1 0NS

Tel:- 0203 357 7968

Manager: Logan Subramaniam

NEW ENQUIRIES
AssetProtectionLondonSouthEast@networkrail.co.uk

Network Rail (High Speed)

Website location: Network Rail / Industry & Partners / Network interface - High Speed 1

NEW ENQUIRIES
AssetProtectionHighSpeed1@networkrail.co.uk

0 30 60 120 Miles

LEGEND

CH UK Postcode (within single NR Territory)

CH UK Postcode (split between NR Territories)

Rail Network

ASPRO NATIONAL MAP

CLIENT:	TECHNICAL AUTHORITY		
JOB NO.:	10519.107	USE TYPE:	[INTERNAL]
SCALE :	1:3,000,000 @ A3	DATE:	28/09/2020
VERSION:	01	PRODUCED BY: EB	QA BY: JB

Asset Information Services

GeospatialReportingAnalysis@NetworkRail.co.uk

Order ID: 138319

ELR	Start Mileage	End Mileage
DCL	67.0353	68.1309

National Hazard Directory

Terms and Conditions

The National Hazard Directory (NHD) is issued by Network Rail to provide information on those hazards recorded as present on Network Rail's infrastructure. Its' purpose is to alert users to the typical hazards they may come across whilst working on Network Rail's Infrastructure. The National Hazard Directory is maintained by Network Rail to provide its employees and contractors with information on known hazards present on the infrastructure in order to assist in the identification of the associated risks working 'on or near the line'.

The records are updated regularly and therefore Network Rail believe that the contents are reasonably accurate at the time of issue, but some of the information can vary in age and accuracy so for that reason Network Rail will give no warranty as to the suitability of its use. It is recommended that all searches (in particular for buried services) should be conducted together with a site specific risk assessment/site visit, taking into account the requirements of the appropriate track safety rules, rule books/industry standards and so on. Network Rail will accept no liability in respect of the content or subsequent use of the National Hazard Directory or any of the information contained within.

Users of the Directory must note that when working on or near the line that the appropriate requirements of the Rule Book, especially the provisions of the track safety rules, must be applied as appropriate to the activity concerned.

OnTrac Ltd does not warrant the use of the Network Rail National Hazard Directory or any of the information contained within and no representations or warranties are made as to completeness or accuracy of the data. The data should be used for reference purposes only. Accordingly, OnTrac Ltd will accept no responsibility for loss of profit or for any indirect, incidental or consequential damages.

National Hazard Directory

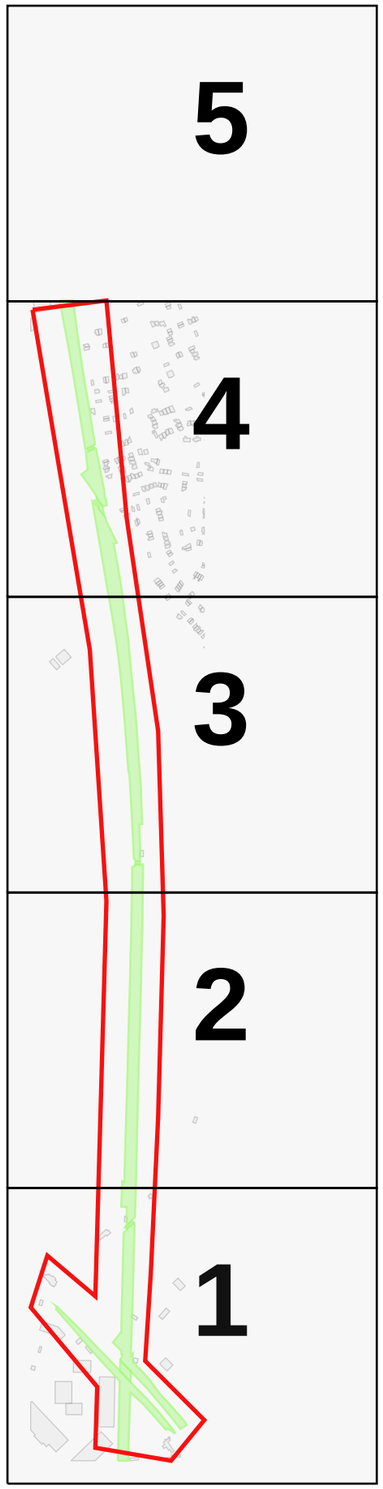
Customised Report

Search Criteria: ELR(s) = DCL; Mileage From = 67.0353; Mileage To = 68.1309; Hazard Code(s) = HB, HBA, HBC, HBCS, HBD, HBE, HBF, HBFR, HBFS, HBG, HBI, HBL, HBM, HBN, HBO, HBP, HBR, HBS, HBSW, HBT, HBU, HBW, HCT, HU, HXE
Date: 23/06/2022

21 Hazards found.

ELR	ELR Name	Mileage From	Mileage To	Hazard Code	Hazard Description	Local Name	Track ID	Free Text
DCL		53.0000	75.0000	HBT	Buried Telecommunication Cables		All/Multiple Tracks	@Note: There could be buried telecoms cables throughout this ELR. If details of cable location are known this cable MUST be identified first before any ground penetration work is carried out.@
DCL		65.1738	67.0506	HBE	Buried Electrical Cables	Wolvercote	Down Main/Fast	SP487106-164 M62498 Wessex Electricity refers to U/G 33KV cable along and under downcess of track between mileages
DCL		66.0000	68.0000	HBE	Buried Electrical Cables	THROUGH WOLVERCOTE JUNCTION	Down Main/Fast	INSTALLING BALLAST BOARDING CABLE FROM TROUGHING ROUTE FOUND NOT ON BURIED SERVICE INFORMATION
DCL		67.0506	67.0528	HBE	Buried Electrical Cables	Kidlington	All/Multiple Tracks	M99659 Southern Electricity 33kv cable.
DCL		67.0550	67.0550	HBE	Buried Electrical Cables	Kidlington	All/Multiple Tracks	M51915 Southern Electricity 250v cable.
DCL		67.0550	67.0550	HBW	Buried Water Main	Kidlington	All/Multiple Tracks	M58745 Oxford City Council/Corporation Water pipe in road on overbridge.
DCL		67.0858	67.0858	HBE	Buried Electrical Cables	Kidlington	All/Multiple Tracks	M97159 Southern Electricity 11kv cable.
DCL		67.0880	67.0880	HBE	Buried Electrical Cables	Kidlington	All/Multiple Tracks	M51293 Wessex Electricity 11kv cable in roadway under LC.
DCL		67.0880	67.0880	HBE	Buried Electrical Cables	Kidlington	All/Multiple Tracks	M81090 Southern Electricity cable in roadway under LC.
DCL		67.0880	67.0880	HBE	Buried Electrical Cables	Kidlington	All/Multiple Tracks	M98687 Southern Electricity33kv cable.
DCL		67.0880	67.0880	HBW	Buried Water Main	Kidlington	All/Multiple Tracks	M72204 Oxfordshire CC Water pipe in roadway under LC.
DCL		67.0880	67.0880	HBE	Buried Electrical Cables	Yarnton Lane Level Crossing	All/Multiple Tracks	SP485121-164 Supplemental Wayleave Southern Electric Mentor no.19404/0155 refers to 2 x 11kv cables crossing under track south of Yarnton Level crossing at 67m40ch.See attached plan.
DCL		67.0880	67.0880	HBS	Buried S&T Cable	Yarnton Lane	All/Multiple Tracks	SP485123--- Railtrack AHB LC, cables under line connecting to S&T cables. Source RT GWZ LC register. S&T Cable - RAR Code: HBS - HAZARD V.10
DCL		67.0880	67.0902	HBE	Buried Electrical Cables	Kidlington	All/Multiple Tracks	M97175 Southern Electricity 240v cable.
DCL		67.1166	67.1166	HBW	Buried Water Main	Kidlington	All/Multiple Tracks	M14112/0065 Thames Water Utilities Water main.
DCL		67.1166	67.1166	HBW	Buried Water Main	Nr Yarnton Lane Level Crossing	All/Multiple Tracks	SP485125-164 Thames Water agreement Mentor No.14112/0065 plan no.18287 refers to 2 x 400 mm steel water main pipes crossing under the track north of LC at 67m53ch.
DCL		67.1166	67.1188	HBF	Buried Foul Water Service	Kidlington	All/Multiple Tracks	M95207 Ploughley RDC. Sewer.
DCL		67.1166	67.1188	HBF	Buried Foul Water Service	Kidlington	All/Multiple Tracks	M82852 Ploughley RDC. Sewer.
DCL		67.1716	67.1716	HBS	Buried S&T Cable	Sandy Lane	All/Multiple Tracks	SP485132--- Railtrack AHB LC, cables under line connecting to S&T cables. Source RT GWZ LC register. S&T Cable - RAR Code: HBS - HAZARD V.10
DCL		68.0308	68.0330	HBW	Buried Water Main	Kidlington	All/Multiple Tracks	M96423 Weed Research Organisation 1.5" water pipe.
DCL		68.0946	68.0946	HBF	Buried Foul Water Service	Kidlington	All/Multiple Tracks	MA21602 Thames Water Utilities Ltd. Drains.

Page Navigation Index Map (1:2500 scale maps)



Legend

Network Rail Company Ownership Boundary

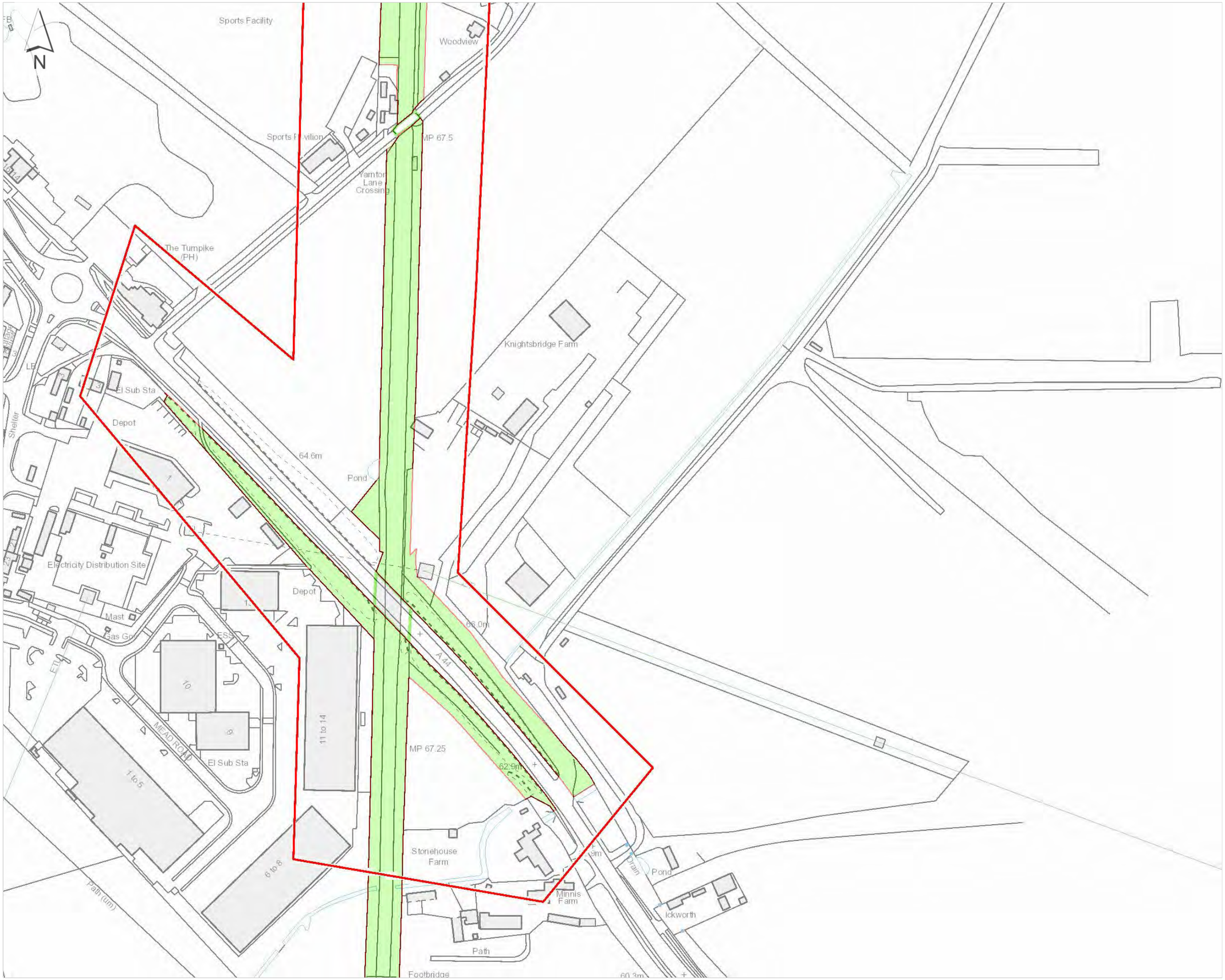
Order Polygon

Order ID: 138319

Plot Date: 22/06/22

N

User Drawn Polygon / Area of Interest - Order ID : 138319



Legend

Company Ownership

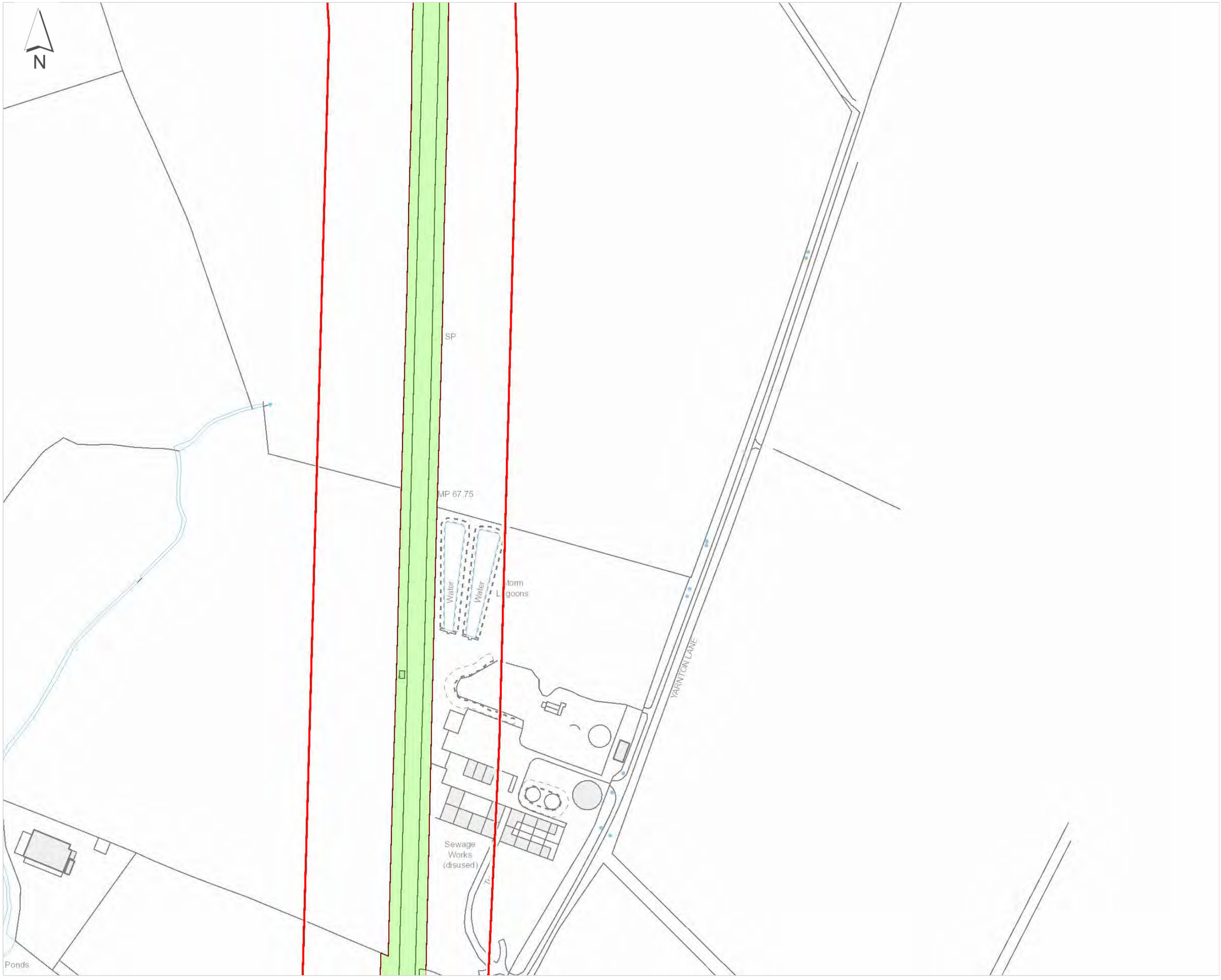
- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

Nearest station:
Oxford Parkway Stn

Order ID: 138319

Order Ref: 138319
Plot Scale: 1:2500
Page Index: 1
Centre X, Y: 448638, 212119
Plot Date: 22/06/22

User Drawn Polygon / Area of Interest - Order ID : 138319



Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

Nearest station:
Oxford Parkway Stn

Order ID: 138319

Order Ref: 138319
Plot Scale: 1:2500
Page Index: 2
Centre X, Y: 448638, 212754
Plot Date: 22/06/22

User Drawn Polygon / Area of Interest - Order ID : 138319

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

Nearest station:
Oxford Parkway Stn

Order ID: 138319

Order Ref: 138319
Plot Scale: 1:2500
Page Index: 3
Centre X, Y: 448638, 213389
Plot Date: 22/06/22

User Drawn Polygon / Area of Interest - Order ID : 138319

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

Nearest station:
Oxford Parkway Stn

Order ID: 138319

Order Ref: 138319
Plot Scale: 1:2500
Page Index: 4
Centre X, Y: 448638, 214024
Plot Date: 22/06/22

User Drawn Polygon / Area of Interest - Order ID : 138319

Legend

Company Ownership

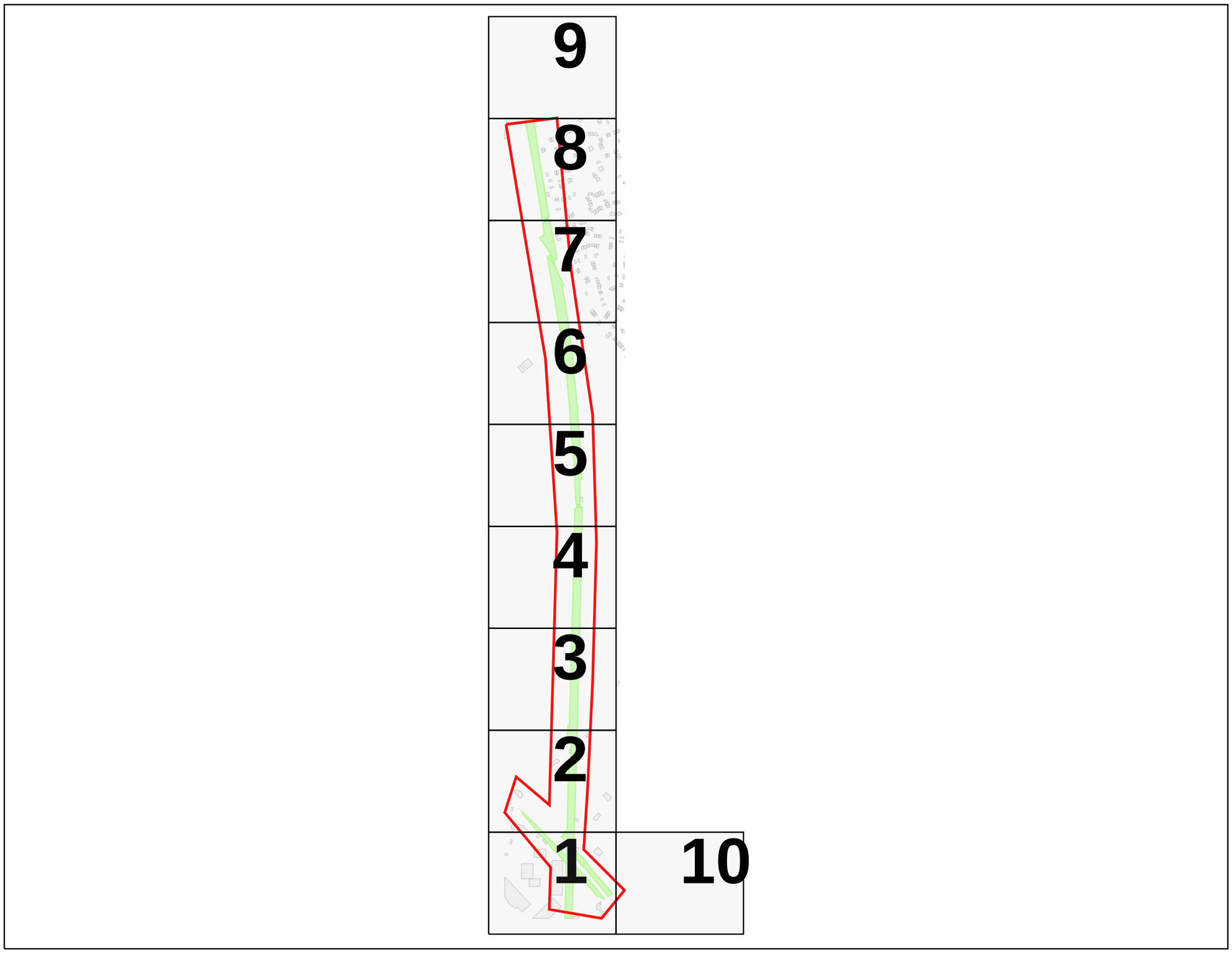
- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

Nearest station:
Oxford Parkway Stn

Order ID: 138319

Order Ref: 138319
Plot Scale: 1:2500
Page Index: 5
Centre X, Y: 448638, 214659
Plot Date: 22/06/22

Page Navigation Index Map (1:1250 scale maps)



Legend

Network Rail Company Ownership Boundary

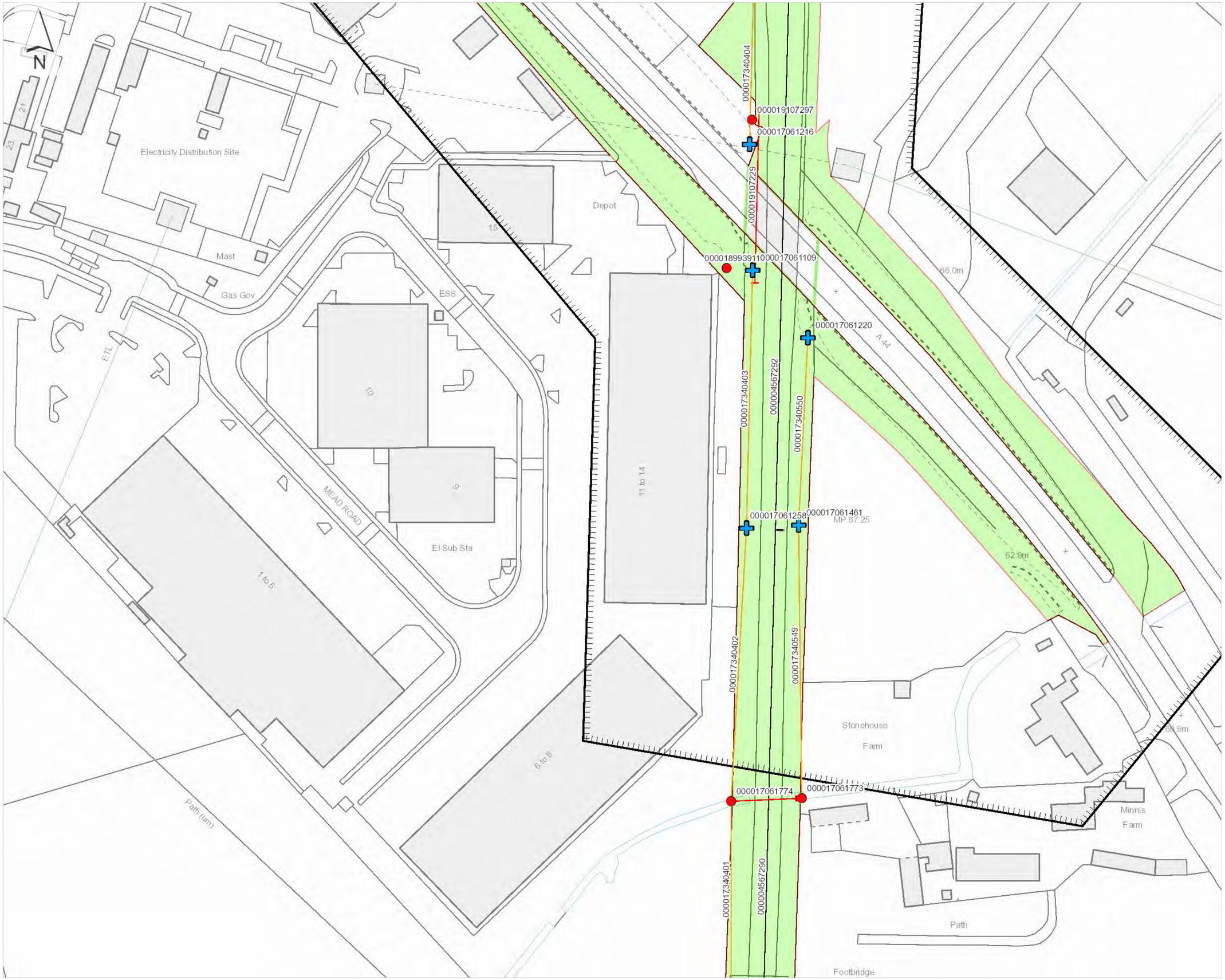
Order Polygon

Order ID: 138319

Plot Date: 22/06/22

N

Network Rail - Drainage



Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
- Chamber (DD)
- Outfall (DK)
- Inflow (DL)
- Point (DM)
- Soakaway (DN)
- Pond (DY)
- Structure (DZ)
- Channel (ELR, Mileage)
- Channel (Coordinates)
- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 1
Centre X, Y: 448440, 211960
Plot Date: 22/06/22

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
- Chamber (DD)
- Outfall (DK)
- Inflow (DL)
- Point (DM)
- Soakaway (DN)
- Pond (DY)
- Structure (DZ)
- Channel (ELR, Mileage)
- Channel (Coordinates)
- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 2
Centre X, Y: 448440, 212277
Plot Date: 22/06/22

NetworkRail

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
- Chamber (DD)
- Outfall (DK)
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- Channel (Coordinates)
- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 3
Centre X, Y: 448440, 212595
Plot Date: 22/06/22

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
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- Inflow (DL)
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- Channel (Coordinates)
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- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 4
Centre X, Y: 448440, 212912
Plot Date: 22/06/22

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
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- Pond (DY)
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- Channel (ELR, Mileage)
- Channel (Coordinates)
- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 5
Centre X, Y: 448440, 213230
Plot Date: 22/06/22

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
- Chamber (DD)
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- Inflow (DL)
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- Channel (ELR, Mileage)
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- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 6
Centre X, Y: 448440, 213547
Plot Date: 22/06/22

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
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- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 7
Centre X, Y: 448440, 213865
Plot Date: 22/06/22

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
- Chamber (DD)
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- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 8
Centre X, Y: 448440, 214182
Plot Date: 22/06/22

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
- Chamber (DD)
- Outfall (DK)
- Inflow (DL)
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- Soakaway (DN)
- Pond (DY)
- Structure (DZ)
- Channel (ELR, Mileage)
- Channel (Coordinates)
- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 9
Centre X, Y: 448440, 214500
Plot Date: 22/06/22

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DC Asset Line
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- Outfall (DK)
- Inflow (DL)
- Point (DM)
- Soakaway (DN)
- Pond (DY)
- Structure (DZ)
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- Channel (Coordinates)
- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 138319
Plot Scale: 1:1250
Page Index: 10
Centre X, Y: 448837, 211960
Plot Date: 22/06/22

GROUNDWISE

Groundwise Searches Ltd

Energy Assets Networks

Energy Assets Networks has not responded to our plant enquiry - copy enclosed.

In line with the 'British Standards Institution PAS128 Specification for Underground Utility Detection, Verification and Location', a 20 day period has been allowed for EAN to respond to our asset enquiry.

Should EAN respond, their result will be forwarded on receipt.

Energy Assets Networks
0333 666 2008
assetenquiries@energyassetsnetworks.co.uk

Groundwise Searches Limited
Suite 6, Princess Caroline House
1 High Street
Southend-on-Sea
Essex, SS1 1JE

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

Registered Office Address;
Matrix House, 12-16 Lionel Road,
Canvey Island, Essex, England, SS8 9DE

Francesca Margiotta

From: Francesca Margiotta
Sent: 22 June 2022 09:25
To: osm.enquiries@atkinsglobal.com; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; plantenquiries@catelecomuk.com; OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk; assetrecords@utilityassets.co.uk; NRSWA@sky.uk; mbnlplantenquiries@turntown.com; enquiries@eclipsepower.co.uk; assetenquiries@energyassetsnetworks.co.uk; lenl@leeputilities.co.uk; osm.enquiries@atkinsglobal.com; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; plantenquiries@catelecomuk.com; OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk; assetrecords@utilityassets.co.uk; NRSWA@sky.uk; mbnlplantenquiries@turntown.com; enquiries@eclipsepower.co.uk; assetenquiries@energyassetsnetworks.co.uk; lenl@leeputilities.co.uk
Subject: Requests:URGENT Ref: 31188FM-GWS Site: Woodstock Road, Yarnton, Oxfordshire, OX5 1PF
Attachments: Site Plan (Red Boundary).png; Untitled_2.png

Ref: 31188FM-GWS
Site: Woodstock Road, Yarnton, Oxfordshire, OX5 1PF
Easting/Northing: 447850,213550
Requests:URGENT – PLEASE REPLY ASAP

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

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

GROUNDWISE

fmargiotta@groundwise.com | *01702 615566* | *www.groundwise.com*

Francesca Margiotta

From: plantenquiryservice@gtc-uk.co.uk
Sent: 22 June 2022 15:07
To: Francesca Margiotta
Subject: GTC Plant Enquiry - Ref- 2597528
Attachments: 2597528.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: 2597528
Your Enquiry Ref: 31188FM-GWS

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.

N0015761

Electric

- EN0015761-1_1_of_2 Entire site.png
- EN0015761-1_2_of_2 Schematic.png

N0013690

Electric

- EN0013690-1_1_of_2 Entire Site.png
- EN0013690-1_2_of_2 Schematic.png

N7018571

Gas

- N7018571-1_1_of_7.png
- N7018571-1_2_of_7.png
- N7018571-1_3_of_7.png
- N7018571-1_4_of_7.png

- N7018571-1_5_of_7.png
- N7018571-1_6_of_7.png
- N7018571-1_7_of_7.png

N0002104

Gas

- N0002104-1_1_of_1.png

N9002574

Gas

- N9002574-1.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
- Open Fibre Networks Limited
- Independent Community Heating Limited

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

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

Important: The area of your proposed works may contain gas mains operating at Medium and Intermediate Pressure tiers or electric cables operating at High Voltage – please refer to the network drawings included with this email. If your proposed works are likely to involve excavation within 10 metres of any of these assets, including but not limited to gas governors and electric substations you MUST inform GTC Plant Enquiries by calling 01359 240363 and quoting your Plant Enquiries Service Reference number.
Important: Drawings provided by this service may include utility assets not owned or managed by GTC. Conversely our drawings will NOT display assets from all third parties. It is your responsibility to ensure you have requested information from all utility asset owners.

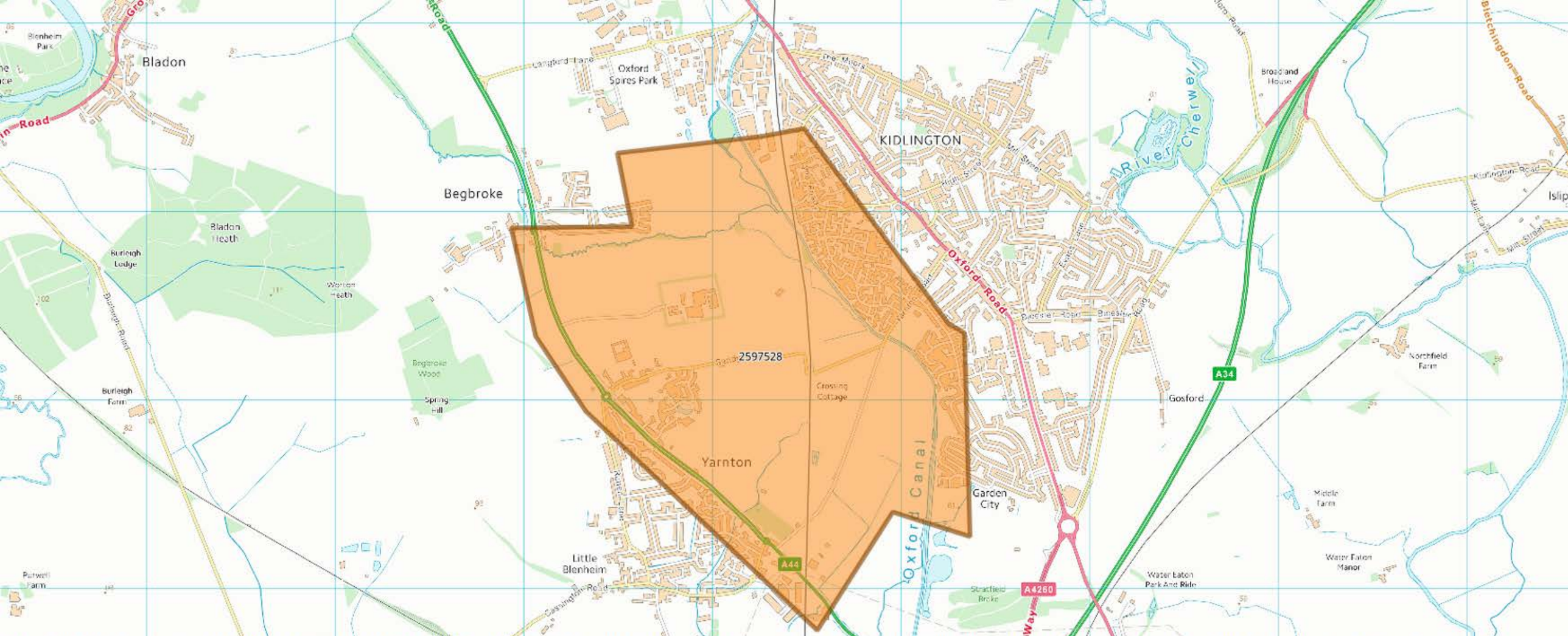
Gas Escape or Damage MUST be reported on 0800 111 999. National Grid / DNGT will attend to make safe and repair.
Electricity Network Damage MUST be reported to ENC on 0800 032 6990.
Water Network Damage MUST be reported to IWNL on 02920 028 711
Fibre Network Damage MUST be reported to IFNL on 0845 051 1669

Thank you for using the GTC Plant Enquiries Service.

Your sincerely,

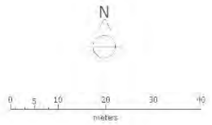
GTC Plant Enquiry Service

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



GTC Plant Enquiry. Our Ref 2597528, Your Ref 31188FM-GWS generated for fmargiotta@groundwise.com at 22/06/2022 15:06:41. This map shows the search area of your enquiry.

Rev	Revision Note	Date	Drawn by	Approved
1-0	Converted from BG Drawing	05/09/12	LB	N/A



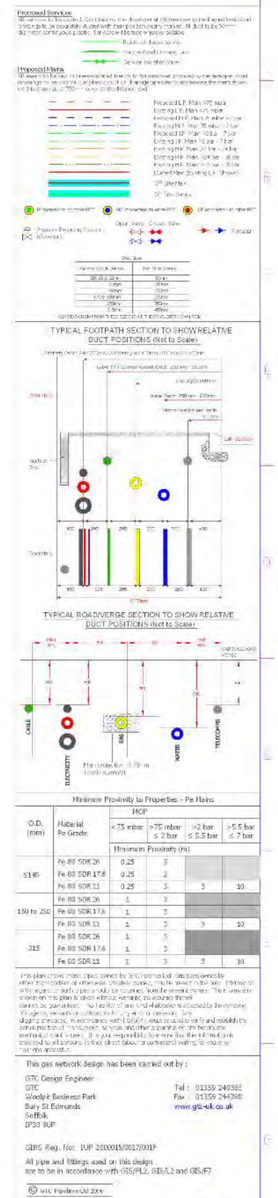
NOTE
GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.
SEMI CONCEALED METER BOXES SHALL NOT OBSTRUCT FOOTPATHS, PASSAGE WAYS, DRIVES OR BE A TRIP HAZARD.
ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE AVOIDED.
IF IN DOUBT PLEASE SEEK ADVICE.

Low Pressure Mains System

PE 80 (MDPE) pipes and fittings to Advantica Technologies PL2/E part 1, PL2/E part 4, PL3/E, F2/E, V7/E part 1 and LC8/E part 4 wall thickness SDR11 or SDR17.6.

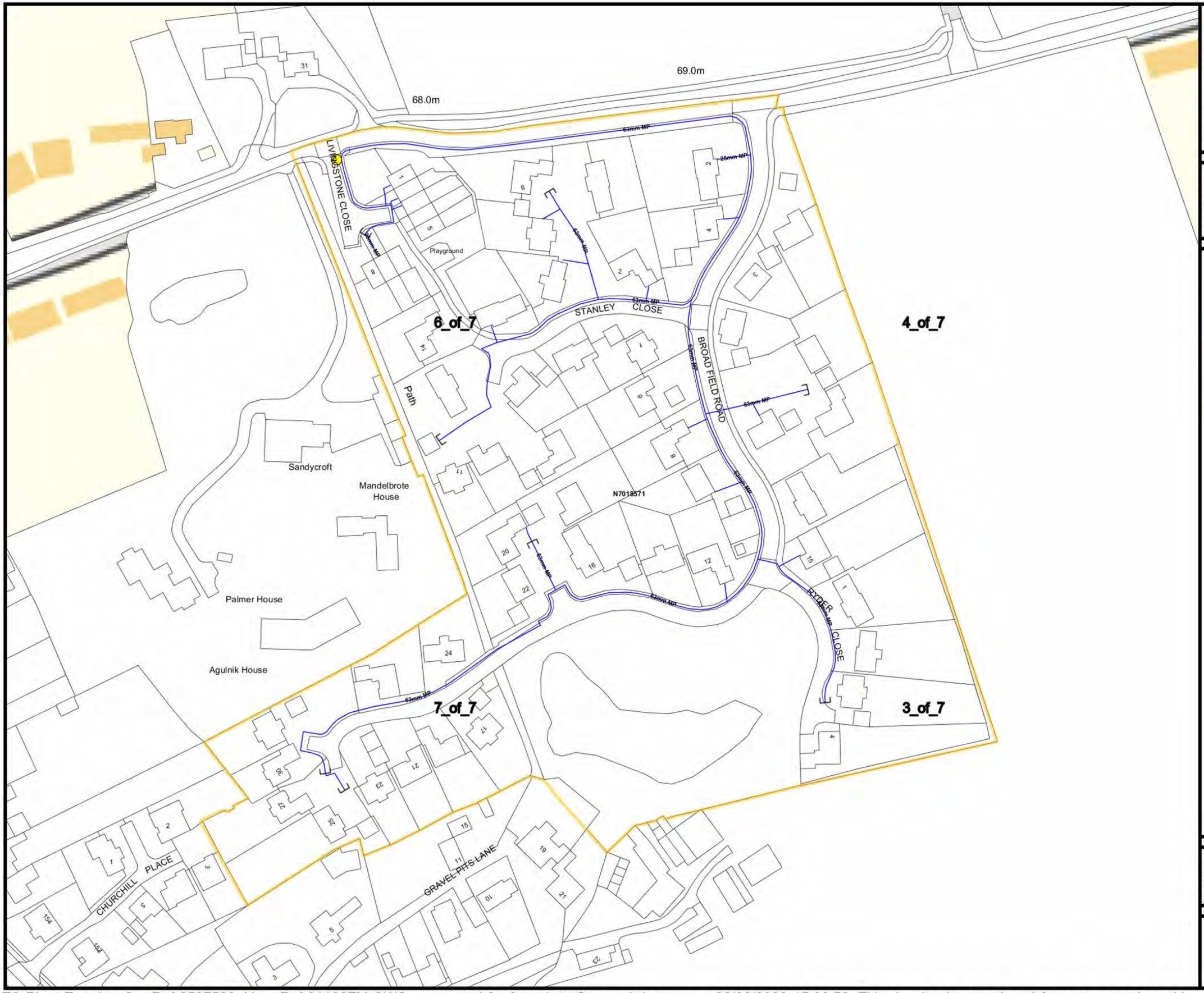
CDM STATEMENT:

Any information given on this plan must be used only in conjunction with the Construction Health and Safety Plan prepared by the Principal Contractor. The Planning Supervisor must be consulted before any construction work commences. Any changes in design, or conditions arising or information becoming known at a later date that may adversely impact upon health and safety of any person, must be notified to the Planning Supervisor and Principal Contractor as soon as possible.



Drawing Scale :	1:200
O.S.REF :	447551,213132
Network Number :	N0002104-1
Linked Networks :	
Drawing Number :	N0002104-1_R1-0_1_of_1
Developer :	British Gas
Location :	Sandy Lane Yarnton KIDLINGFTON Oxfordshire OX5

SHEET SIZE A1



This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexus group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

N

Legend

Gas Pipe
- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node
- Connection Point
- Reducer
- Capend

Gas PRI

0 54.9m

SCALE: 1:1272 **A3**
O.S.REF: 447836,213028
N7018571_1_of_7 Gas
Date: 02-08-2014

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Woolpit Business Park
Woolpit
Suffolk IP30 9UP

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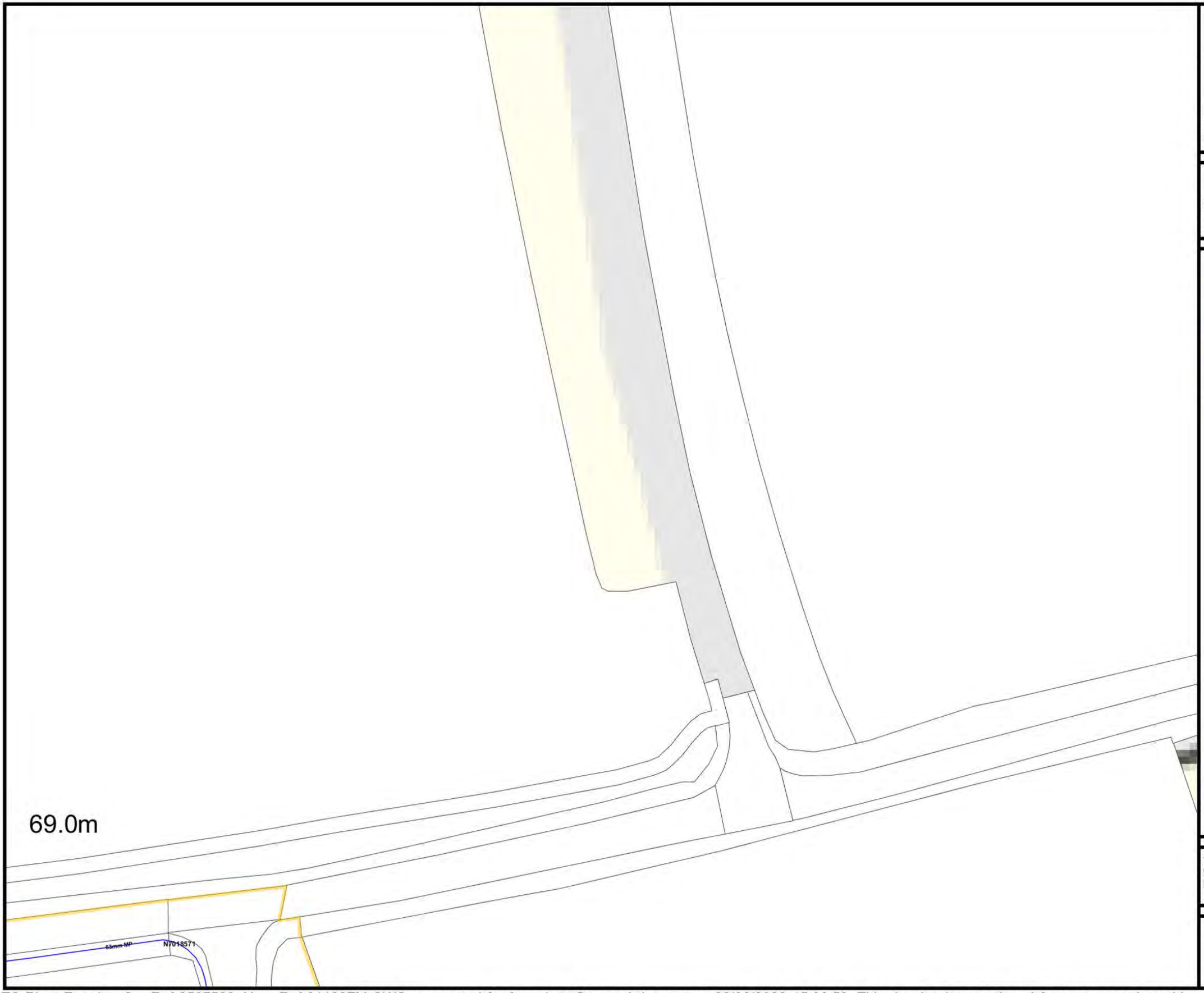

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N

Legend

Gas Pipe

- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node

- Connection Point
- Reducer
- Capend

Gas PRI

0 21.6m

SCALE: 1:500 **A3**
O.S.REF: 447946,213231
N7018571_2_of_7 Gas
Date: 02-08-2014

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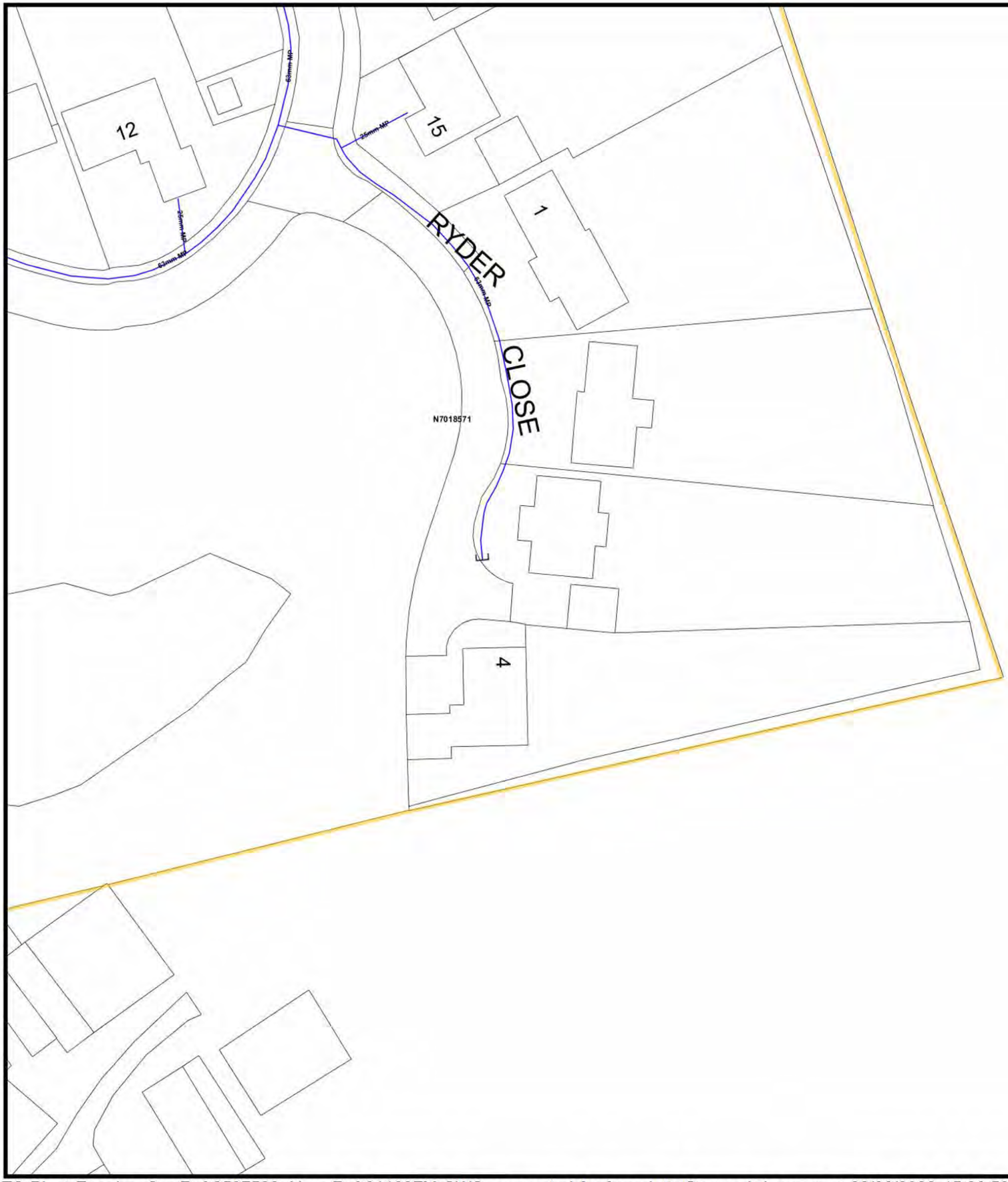

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N

Legend

Gas Pipe
- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node
- Connection Point
- Reducer
- Capend

Gas PRI

0 — 21.6m

SCALE: 1:500 **A3**
O.S.REF: 447946,212949
N7018571_3_of_7 Gas
Date: 02-08-2014

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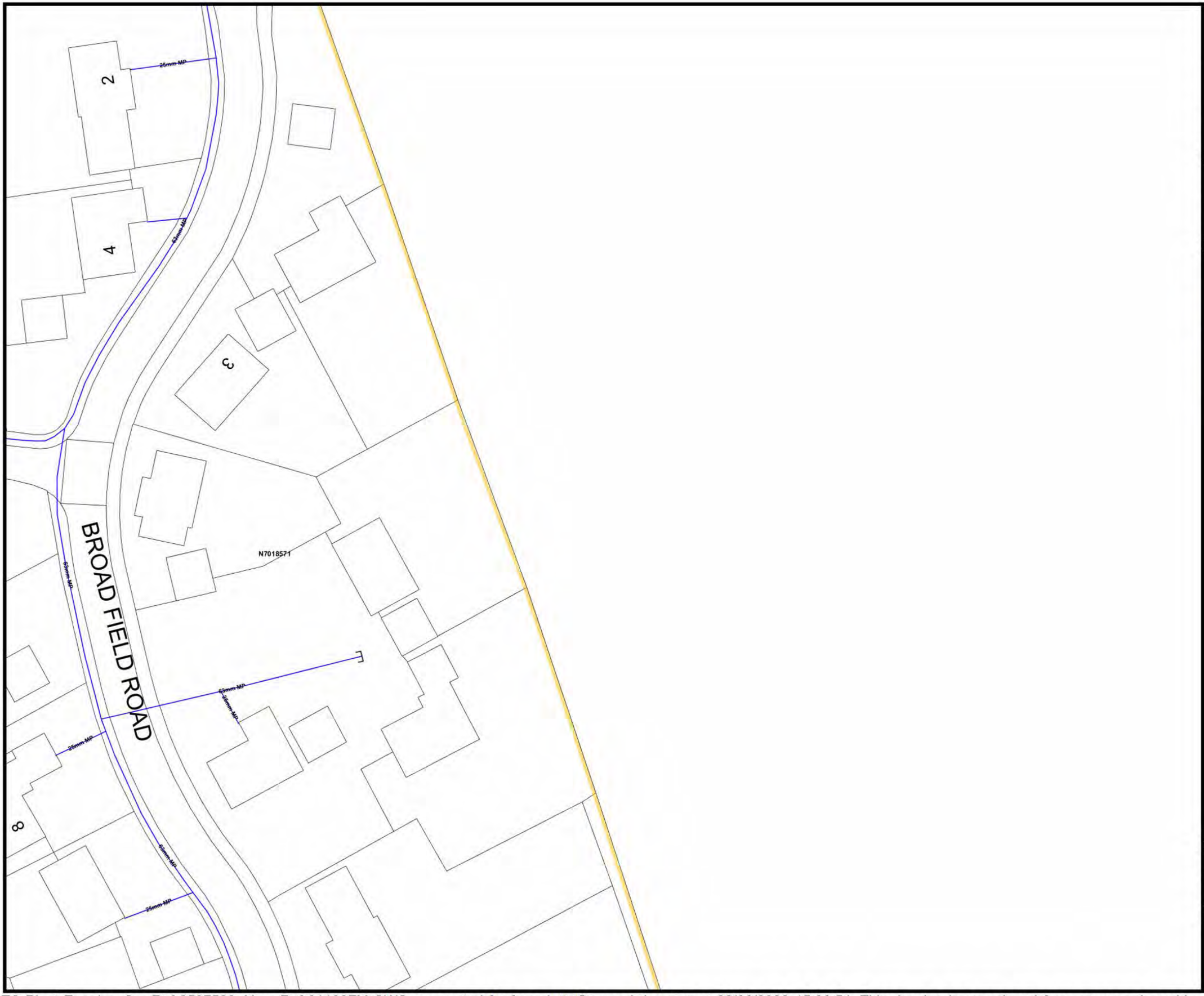

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N

Legend

Gas Pipe

- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node

- Connection Point
- Reducer
- Capend

Gas PRI

0 21.6m

SCALE: 1:500 **A3**
O.S.REF: 447946,213090
N7018571_4_of_7 Gas
Date: 02-08-2014

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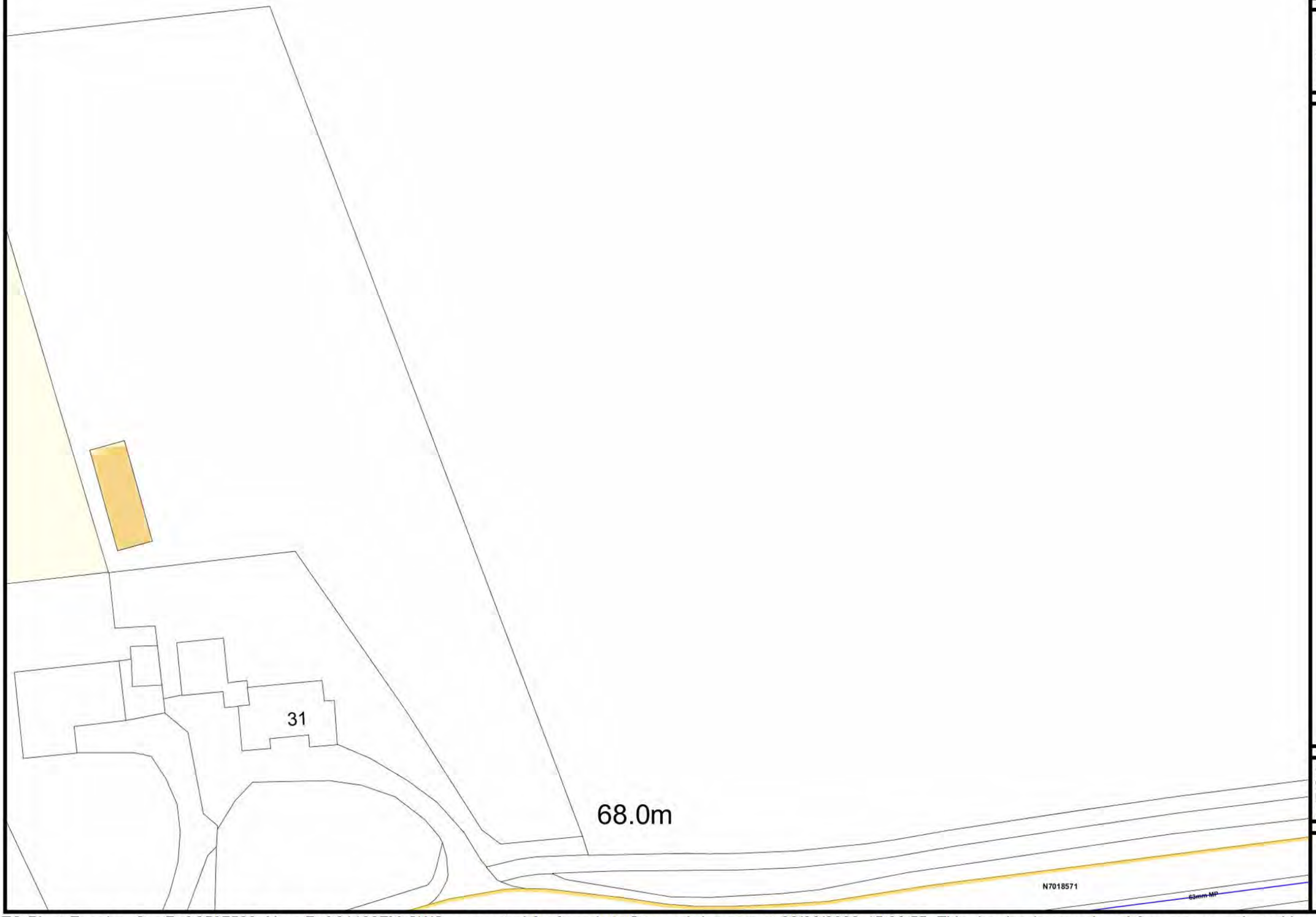

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N

Legend

Gas Pipe

- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node

- Connection Point
- Reducer
- Capend

Gas PRI

0 21.6m

SCALE: 1:500 **A3**
O.S.REF: 447774,213231
N7018571_5_of_7 Gas
Date: 02-08-2014

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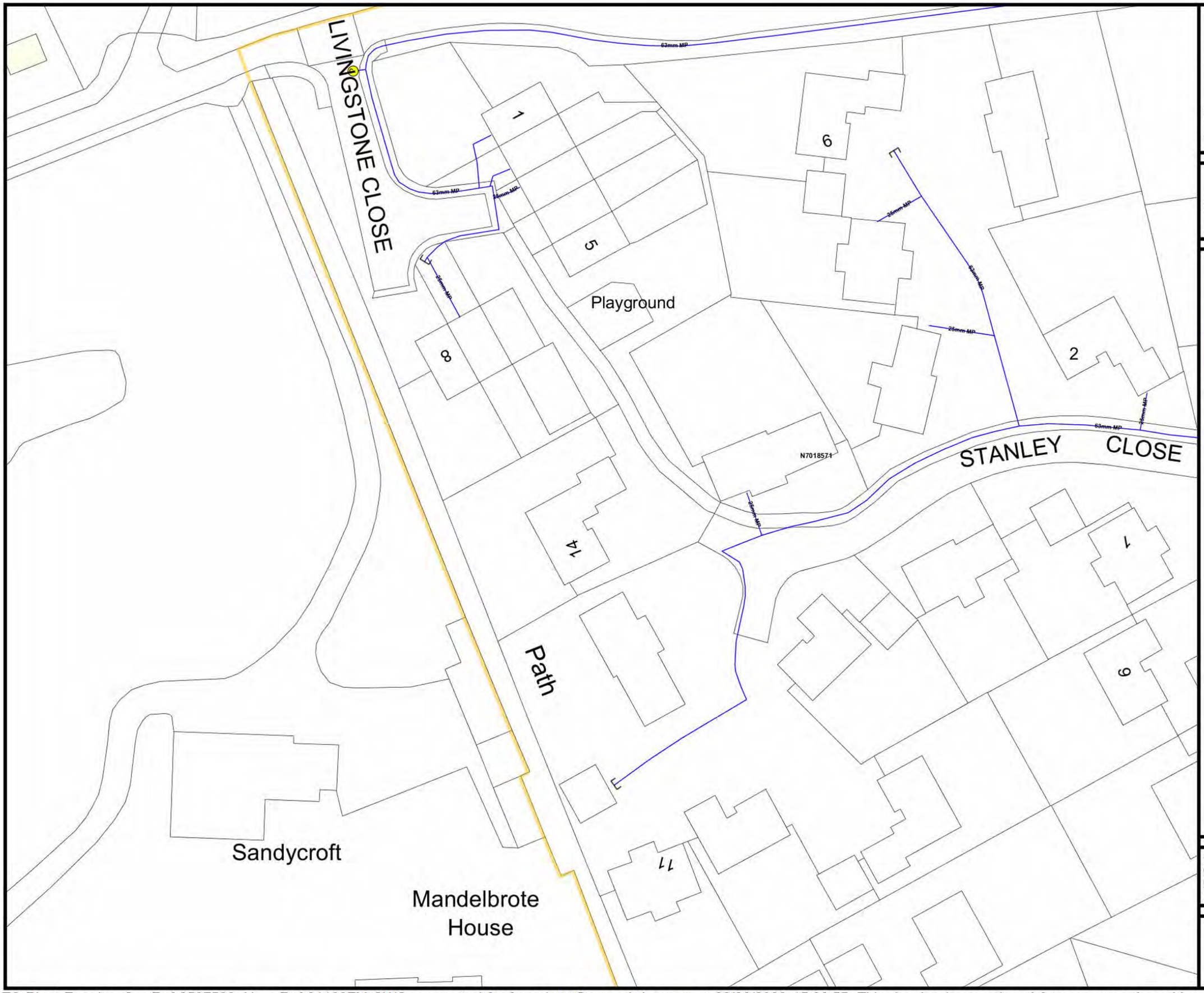

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N

Legend

Gas Pipe
- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node
- Connection Point
- Reducer
- Capend

Gas PRI

0 — 21.6m

SCALE: 1:500 **A3**
O.S.REF: 447774,213090
N7018571_6_of_7 Gas
Date: 02-08-2014

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Suffolk IP30 9UP

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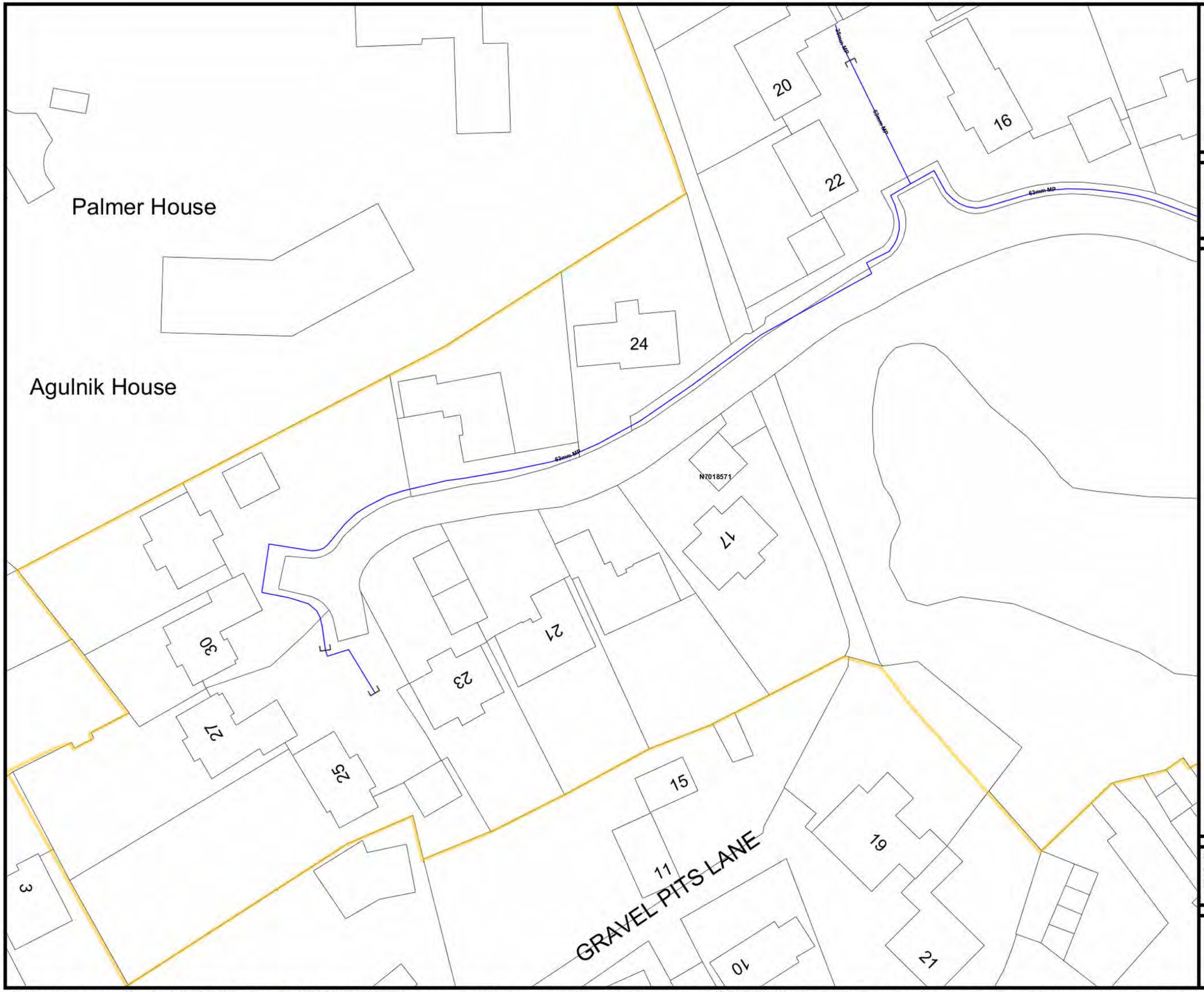

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N

Legend

Gas Pipe
- LP Pipe
- MP Pipe
- IP or Service Pipe

Gas Node
- CP Connection Point
- Reducer
- Capend

Gas PRI

0 21.6m

SCALE: 1:500 **A3**
O.S.REF: 447774,212949
N7018571_7_of_7 Gas
Date: 02-08-2014

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Woolpit Business Park
Woolpit
Suffolk IP30 9UP

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CONFIDENTIALITY

The information shown upon this plan is the property of British Gas and is to be held in the strictest confidence by the recipient. NO COPY is to be made without the written permission of British Gas.

EXISTING PLANT AND EQUIPMENT

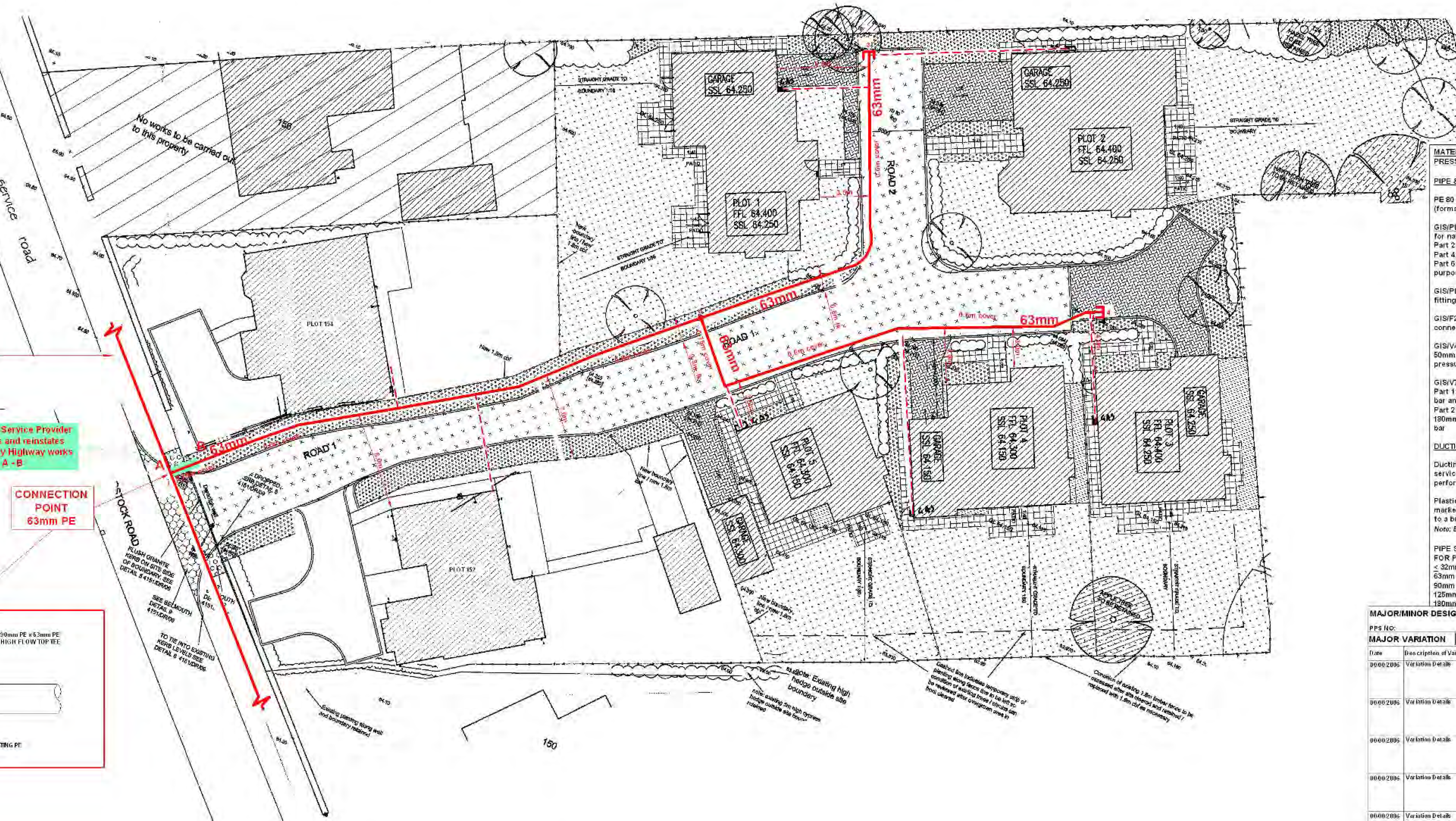
The information shown upon this plan is given without obligation or warranty, the accuracy thereof cannot be guaranteed. Where service pipes are not shown their presence should be anticipated. No liability of any kind whatsoever is accepted by British Gas or its agents or servants for any error or omission. The actual position of mains and services must be verified and established before any mechanical plant is used or excavation undertaken.

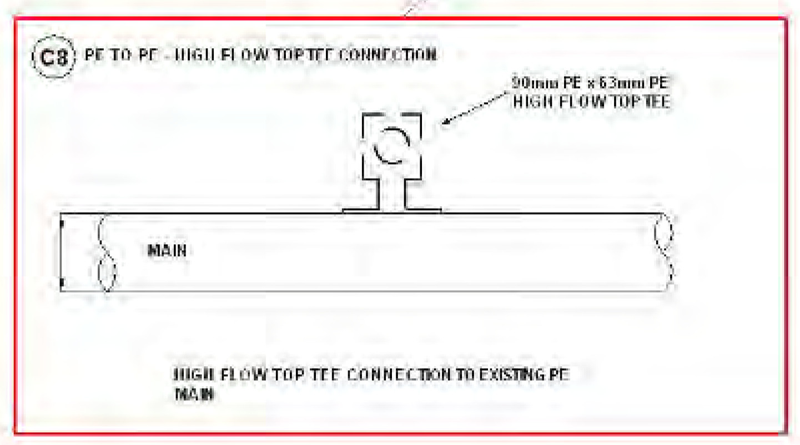
DO NOT SCALE OFF THIS DRAWING

BGNHC CONSTRUCTION DRAWING

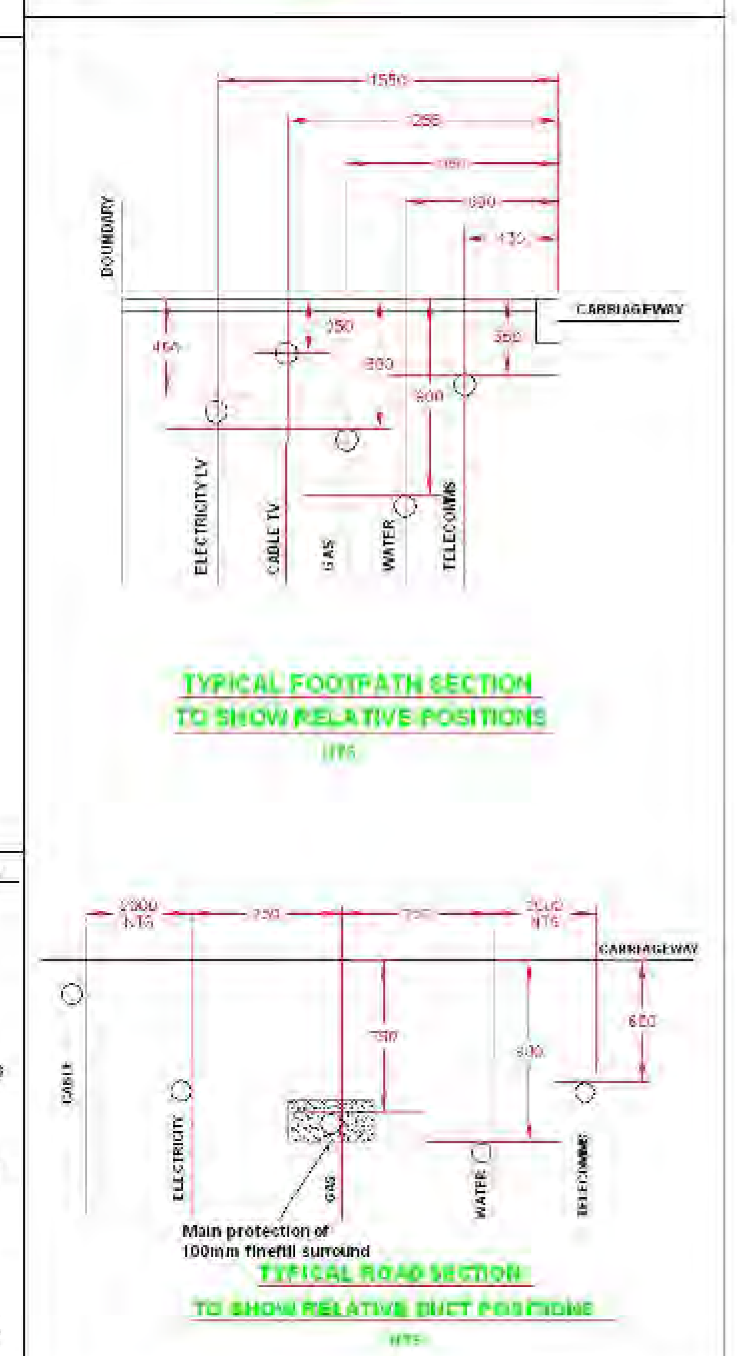
IMPORTANT NOTICE

THIS SITE OPERATES AT LOW PRESSURE





NOTES



MATERIAL SPECIFICATION FOR LOW PRESSURE & MEDIUM PRESSURE PE MAINS

PIPE & FITTINGS

PE 80 (MDPE) pipes and fittings to Gas Industry Standard (formally National Grid Specifications):

GIS/PL2:2006 Specification for polyethylene pipes and fittings for natural gas and suitable manufactured gas
Part 2: Pipes for use at pressures up to 5.5 bar
Part 4: Fusion fittings with integral heating element(s)
Part 6: Spigot end fittings for electrofusion and/or butt fusion purposes

GIS/PL3:2006 Specification for self-anchoring mechanical fittings for natural gas and suitable manufactured gas

GIS/F2:2006 Specification for main sealing plugs and service connection fittings for use at pressures not greater than 2 bar

GIS/V4:2007 Specification for service isolation valves up to 50mm diameter for use up to 7 bar maximum operating pressures

GIS/V7:2006 Specification for distribution valves
Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar
Part 2: Plastics bodied valves of sizes up to and including 180mm suitable for operation at pressures not exceeding 5.5 bar

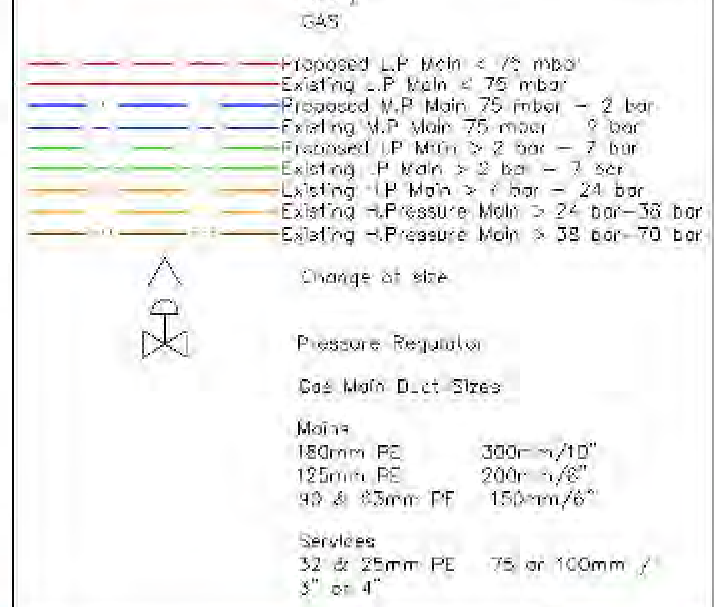
DUCTING (FOR SERVICE PIPEWORK ONLY)

Ducting must only be used externally to accommodate gas services and shall comply with IGE/TD/4 requirement for perforated yellow ducting:

Plastic ducting shall be coloured yellow, be overlaid with gas marker tape and be perforated along its length when external to a building.
Note; BS 4692 is a suitable standard for plastic ducting.

PIPE SIZE FOR PE PIPE	MINIMUM DUCT SIZE FOR SERVICES INSERTION
≤ 32mm	60mm
63mm	100mm
90mm	150mm
125mm	200mm
180mm	250mm

Key



MAJOR/MINOR DESIGN VARIATION CONTROL FORM — British Gas

PPS NO:

MAJOR VARIATION — **INDICATOR**

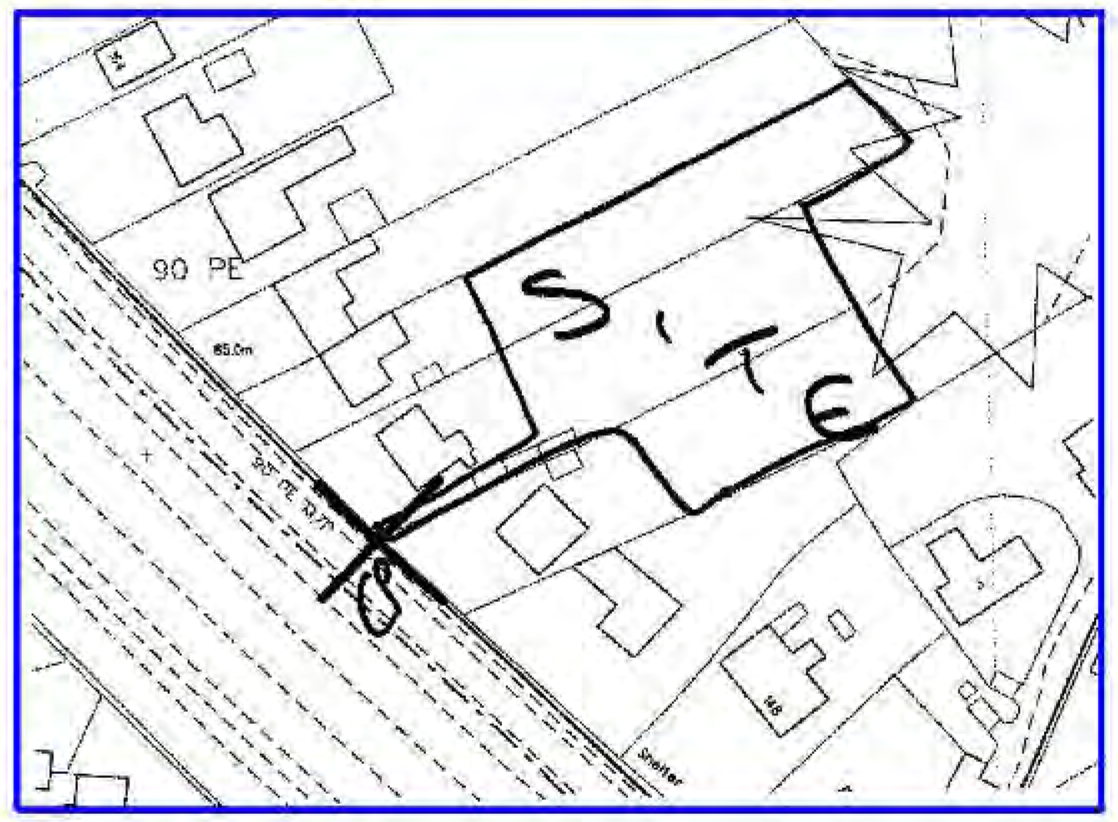
Date	Description of Variation	Approved by	(variation recorded on drawing (delete as appropriate))
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO

MINOR VARIATION — **INDICATOR**

Date	Description of Variation	Approved by	(variation recorded on drawing (delete as appropriate))
15.6.9	rode 2 road crossing moved approx 4m outside plot5 / service lenght reduced	m smith	YES
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO

	NOTES	DATE
1	A2: 2 Additonal Plots to Site Shown as Plot 152 & 154. Site Plot Total is 7 Plots.	29/06/09
2		
3		

The CSEP Connection shown is a proposed design only. Please refer to the owner of the Upstream Network for details of the Final As-Built drawing of the CSEP Connection



NOTE
SPECIFICALLY EXCLUDES ANY WORKS BY BRITISH GAS FOR THE DIVERSION, ALTERATION OR MAKING DEAD OF ANY **TRANSCO / OTHER PGT** OWNED GAS DISTRIBUTION INFRASTRUCTURE ON THE SITE
IF IN DOUBT PLEASE SEEK ADVICE.

NOTE
GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY. SEMI CONCEALED METER BOXES SHALL NOT OBSTRUCT FOOTPATHS, PASSAGE WAYS, DRIVES OR BE A TRIP HAZARD. ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE AVOIDED.
IF IN DOUBT PLEASE SEEK ADVICE.

CDM STATEMENT:

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gtc

Network or part thereof to be owned and operated by the GTC Pipelines Limited on commissioning
Network: N9002574-1

Design and constructed by British Gas
30 The Causeway
Staines
Middlesex
TW18 3BY
Tel No: 0800 072 5320

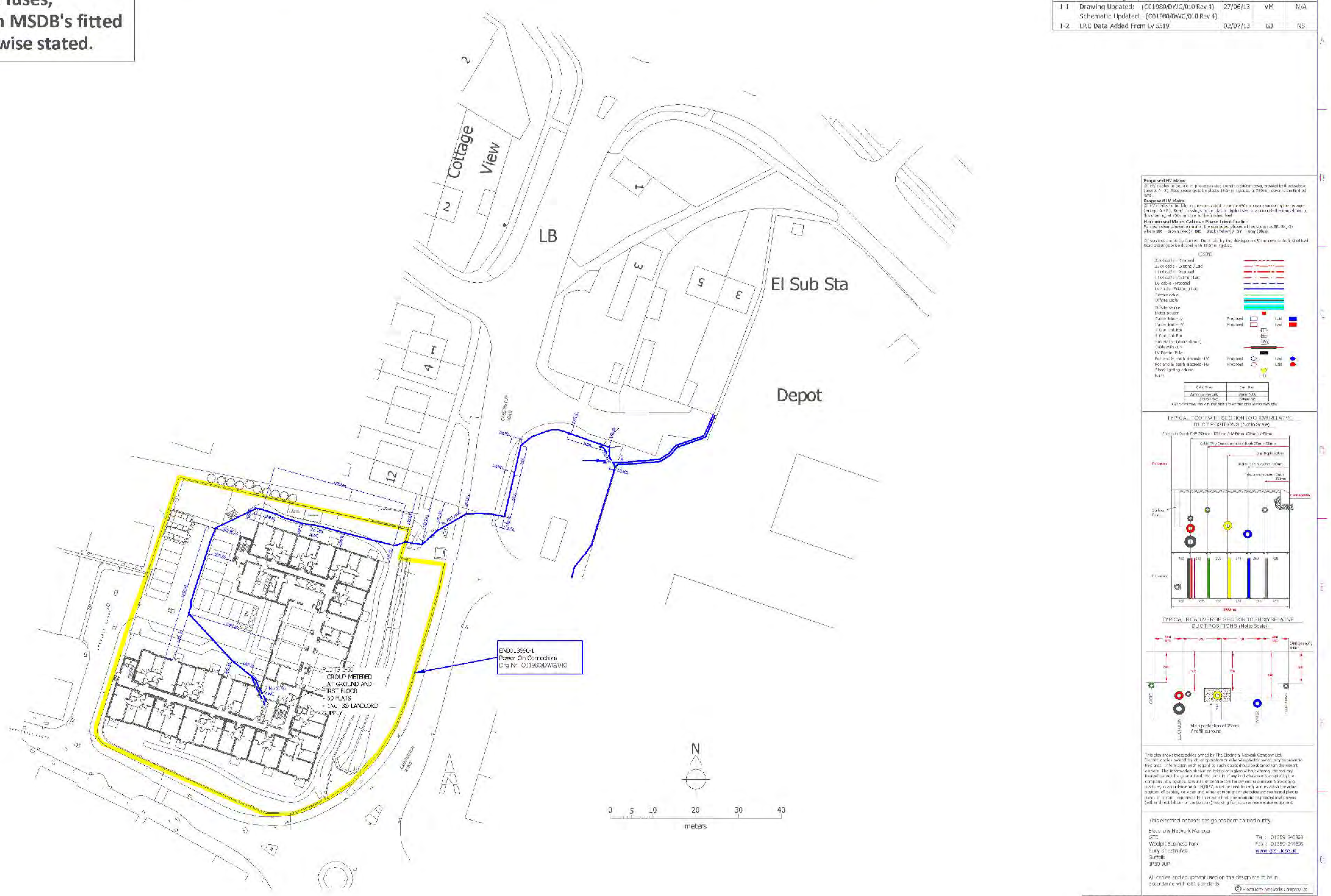
PROJECT
Plots 1-5, 152-156 Woodstock Road, Yarnton, Kidlington, Oxfordshire OX5 1PW

TITLE
GAS LAYOUT

DATE:	29/06/2009	SCALE:	1:200
DESIGNED BY:	Mike Smith	DRAWN BY: (CAD Operator)	Mike Smith
APPROVED BY: (Print Name)	Jeff Hewitt		
DRAWING NO:	PPS41183-A2-001	SHEET SIZE:	A1

NOTE: All MSDB's fitted with fuses, and all SNE cut-outs fed from MSDB's fitted with red heads unless otherwise stated.

Rev	Revision Note	Date	Drawn by	Approved
1-0	Original drawing - (C01980/DWG/010) Electrical design - (C01980/DWG/001)	14/03/13	MCU	N/A
1-1	Drawing Updated: - (C01980/DWG/010 Rev 4) Schematic Updated - (C01980/DWG/010 Rev 4)	27/06/13	VM	N/A
1-2	LRC Data Added From LV 5519	02/07/13	GJ	NS



Drawing Scale : 1:500
O.S.REF : 448174, 212149
Network Number : N0013690-1
Project Number :
Drawing Number : EN0013690-1_R1-2_1_of_2

THIS DRAWING SHOWS:

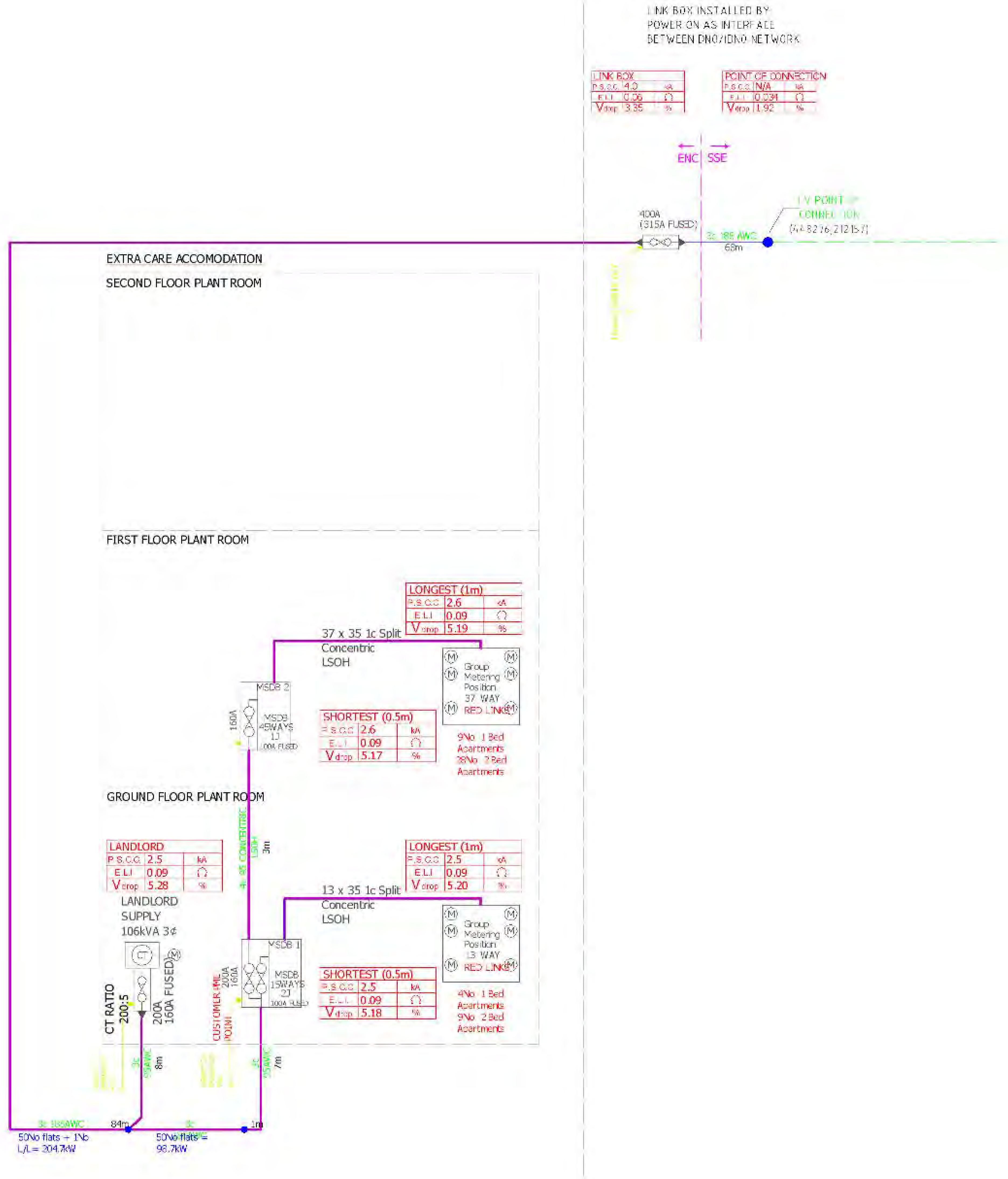
GTC NETWORK

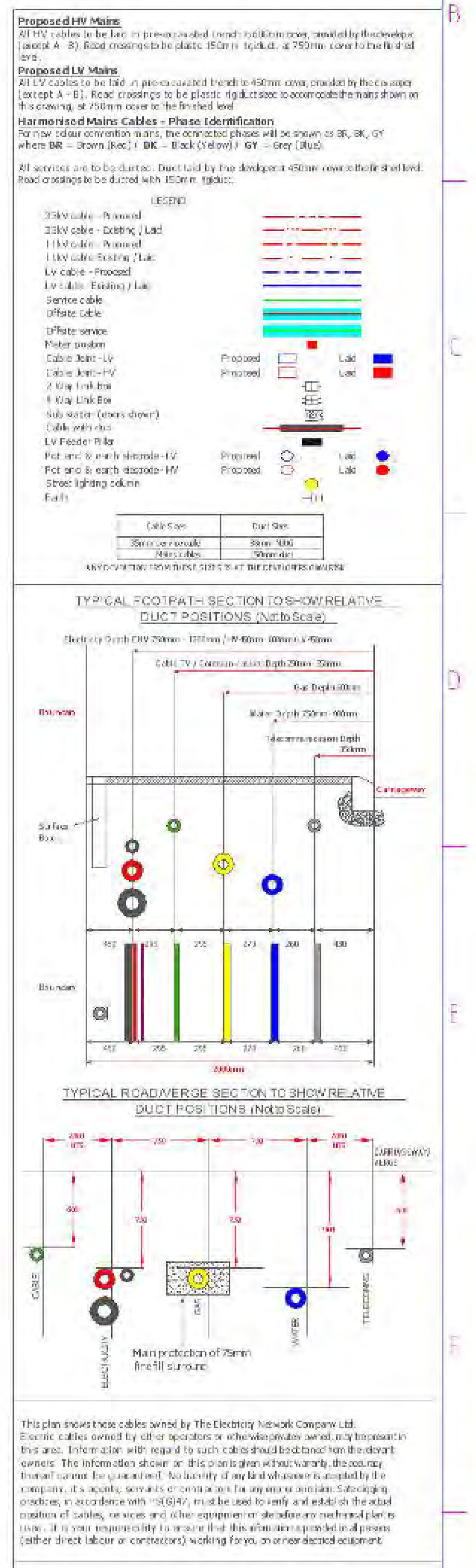
Developer : Power On Connections
Location : Cassington Road
YARNTON
OX5

enc the electricity network company

A1

Rev	Revision Note	Date	Drawn by	Approved
1-0	Original drawing - (C01980/DWG/010) Electrical design - (C01980/DWG/001)	14/03/13	MCU	N/A
1-1	Drawing Updated: - (C01980/DWG/010 Rev 4) Schematic Updated - (C01980/DWG/010 Rev 4)	27/06/13	VM	N/A
1-2	LRC Data Added From LV 5519	02/07/13	GJ	NS





Electricity Network Manager
GTC
Woolpit Business Park
Bury St Edmunds
Suffolk
IP30 9UP

Tel : 01359 240363
Fax : 01359 244396
www.gtc-uk.co.uk

All cables and equipment used on this design are to be in accordance with G81 standards.

THIS DRAWING SHOWS:

Schematic

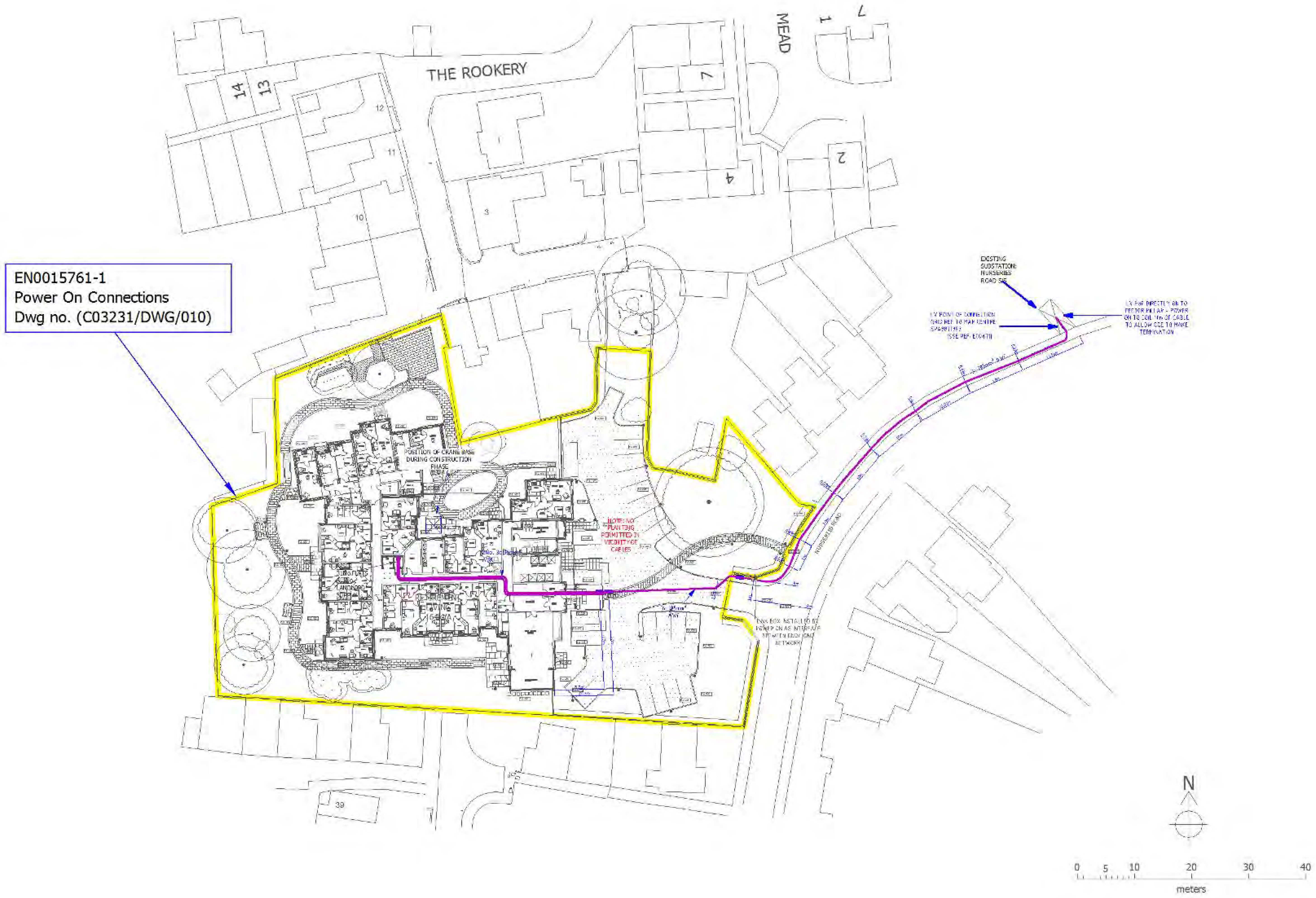
Drawing Scale : 1:500
O.S.REF : 448174, 212149
Network Number : N0013690-1
Project Number :
Drawing Number : EN0013690-1_R1-2_2_of_2

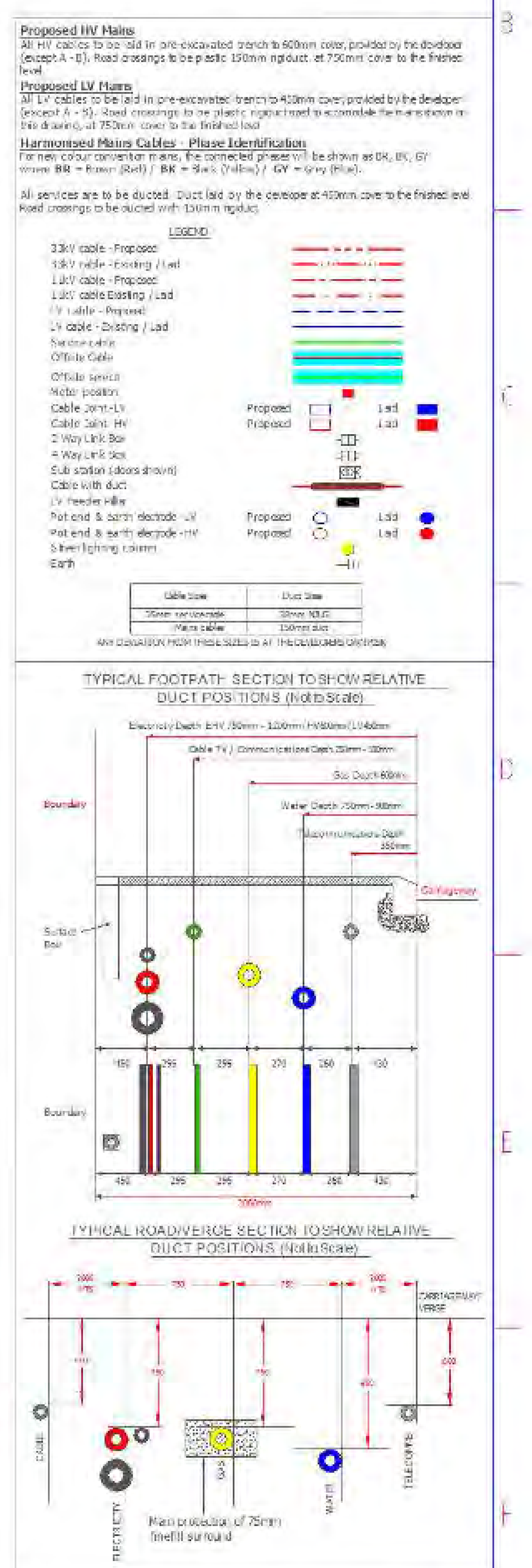
Developer : Power On Connections
Location : Cassington Road
YARNTON
OX5

SHEET SIZE A1

DANIEL HUGHES 05.10.2016

Rev	Revision Note	Date	Drawn by	Approved
1	Original drawing (C03231/DWG/010) Schematic (C03231/DWG/001)	23/05/15	NN	N/A
1-1	LRC data added from LV 16073	30/10/15	RW	N/A
1-2	LRC data added from LV 18227	09/04/16	EWT	N/A
1-3	LRC data added from LV 18466	19/04/16	EWT	N/A
1-4	Schematic Update: C03231-DWG-001 Rev1 UIP As Laid Data added as per JW Email Sent: 28/09/16, 11:41	05/10/16	DH	N/A





This plan shows those cables owned by The Electricity Network Company Ltd. Electric cables owned by other operators 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. No liability of any kind whatsoever is accepted by the company, it's agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of cables, services and other equipment 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 electrical equipment.

This electrical network design has been carried out by:

Electricity Network Manager
GTC
Woolpit Business Park
Bury St Edmunds
Suffolk
IP30 9UP

Tel : 01359 240363
Fax : 01359 244388
www.gtc-uk.co.uk

All cables and equipment used on this design are to be in accordance with G81 standards.

Drawing Scale : 1:500
O.S.REF : 448878,213898
the electricity network co

Network Number : N0015761-1
Project Number :
Drawing Number : EN0015761-1 R1-4 1 of 2

Developer : Power On Connections
Location : Nurseries Road, KIDLINGTON, OX5

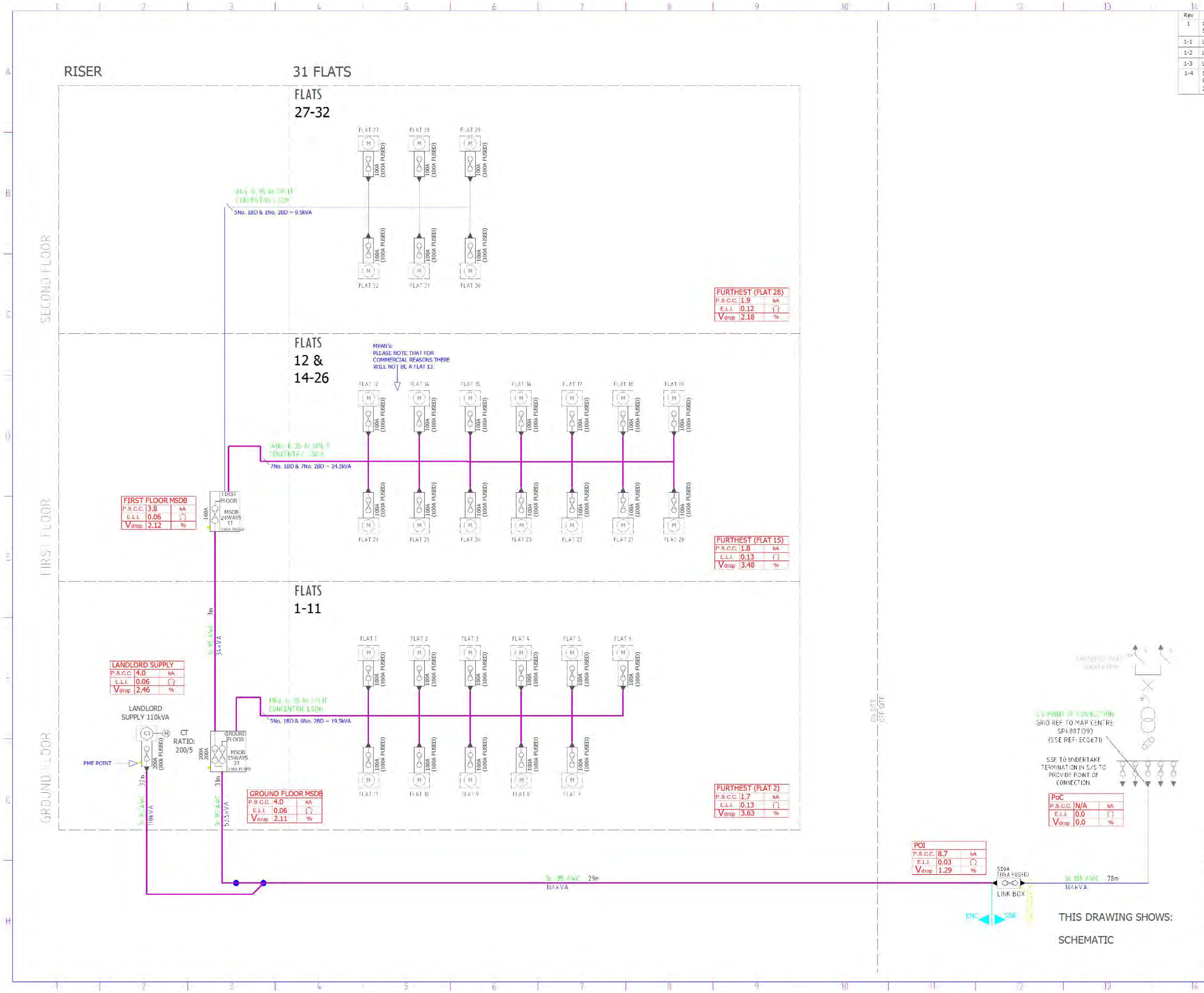
THIS DRAWING SHOWS:

GTC NETWORK
CONTESTABLE
STREETLIGHTS

SHEET SIZE A1

DANIEL HUGHES 05.10.2016

Rev	Revision Note	Date	Drawn by	Approved
1	Original drawing (C03231/DWG/010) Schematic (C03231/DWG/001)	23/05/15	NN	N/A
1-1	LRC data added from LV 16073	30/10/15	RW	N/A
1-2	LRC data added from LV 18227	09/04/16	EWT	N/A
1-3	LRC data added from LV 18466	19/04/16	EWT	N/A
1-4	Schematic Update: C03231-DWG-001 Rev1 UIP As Laid Data added as per JW Email Sent: 28/09/16, 11:41	05/10/16	DH	N/A



THIS DRAWING SHOWS:

SCHEMATIC

This electrical network design has been carried out by:

Electricity Network Manager
GTC
Woolpit Business Park
Bury St Edmunds
Suffolk
IP30 9UP

Tel : 01359 240363
Fax : 01359 244308
www.gtc-uk.co.uk

All cables and equipment used on this design are to be in accordance with G81 standards.

Drawing Scale :	NTS
O.S.REF :	N/A
Network Number :	N0015761-1
Project Number :	
Drawing Number :	EN0015761-1_R1-4_2_of_2
Developer :	Power On Connections
Location :	Nurseries Road, KIDLINGTON, OX5

the electricity network co

SHEET SIZE A1

SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

Introduction

This document should be issued to anyone intending on working in the vicinity of GTC and associated entities' utility networks and should be used in conjunction with HSG47, NJUG guidance and industry recognised practices.

Confirmation should be sought from the asset owner in any instance of ambiguity or if there is confusion.

Any querries regarding diversions, alterations, and disconnections for Gas, Water, Distributed Heat and Fibre please contact: Network_Variations@gtc-uk.co.uk

Any querries regarding diversions, alterations, and disconnections for Electric, please contact: Electricity.diversion@gtc-uk.co.uk

For more information please see the GTC website: https://www.gtc-uk.co.uk/ or alternatively contact plant.enquiries@bu-uk.co.uk

The Dangers

Damage to services can cause significant disruption and project delays and therefore incur considerable costs as well as the potential for severe or fatal injury to not only to those directly involved but also the general public.

Damages often have instantaneous reactions like explosive arcing with cables or leaks for gas and water mains however latent reactions due to damages that are ignored, consealed, or unnoticed can have much greater consequences.

General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE (Health and Safety Executive) in their document HSG47 "Avoiding Danger from Underground Services", ISBN 978 0 7176 6584 6, 3rd Edition 2014. No party shall 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, waste water, fibre, and district heating 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 and 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, waste water, fibre, and district heating networks before any works commence.

4. The position of the networks shall be pinpointed as accurately as possible by visually surveying the area for indications of apparatus, by means of a locating device, and reference the information gathered to the plans. Locating equipment must be tested and calibrated within the manufacturer's calibration date.

Excavation work should be carried out where applicable, carefully following 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.

Once the apparatus has been located, appropriate marking be made on the covering hard surface confirming location and any errors in plans identified, GTC should be advised to allow plans to be updated.

5. Hand-held power tools can damage buried apparatus and shall be used with care until the exact position of a utility 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 shall 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 existing network of 300mm or 1.5 times the diameter of the asset, 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, please seek advice from GTC.

7. Where an excavation uncovers any network apparatus the backfill shall be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network shall be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and shall be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction shall take place until at least 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 shall be asked to identify whether any additional precautions are necessary. 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 shall be recharged.

10. Where utilities are within a duct the duct should be treated in the same manner as live utility cable/pipe/fibre and any work in the vicinity of the apparatus shall be carried out with caution.

Any damage caused no matter how insignificant or minor in appearance SHALL BE REPORTED to GTC as soon as possible.

Precautions for Gas Networks

11. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.

12. The depth of cover for gas mains is typically 750mm in carriageways and grass verges, 600mm in footways and 1.1m in open field. The depth of cover for gas services is typically between 375mm and 600mm . Reference should always be made to the network drawing. 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.

13. 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.

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 the National Gas Emergency Service immediately by dialling:

  0800 111 999

- Remain on site.
- Assist the Gas Emergency Service Provider staff, Police, Fire Services or other Statutory Authorities 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 shall 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 shall be informed, so that repairs can be made to prevent future corrosion and leakage.

18. Pipe restraints or thrust blocks close to gas mains shall not be removed or interfered with as they are a safety feature of the live gas network.

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 the asset owners staff is available at all times. No unauthorised repairs to gas pipes should be made.

20. Where excavation is within 5m proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small auxilary pipework that is more susceptible to damage.

21. Where PE pipes and cables have been exposed and it is intended that hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.

22. GTC shall 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 deep excavations nearby (minimum of 2m up to 15m).
- Working within 3m of GTC's 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 1000mm 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. Where practicable, such power tools shall 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 shall 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 shall be used as a depth guide down the side of the excavation.

29. Because of the difficulty in confirming depth, hand held power tools shall 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 shall not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.

31. 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. To minimise danger to operatives those onsite shall be outside of the reach of the excavator bucket and shall not enter the trench whilst digging is undertaken. Excavator operators shall be instructed to stay in the cab if a cable is struck. If excavator operators have to exit the cab they should jump clear. If excavator operators climb down from the cab the risk of electrocution is significantly increased. If a cable is struck, the machine involved shall be subject to continous observation and no one shall enter the excavation or approach the machine or the cable until GTC have been contacted and the damaged cable has been made safe.

32. Where cables have been exposed:

- Any damage shall be reported to GTC immediately on: **0800 032 6990**

  And work shall 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 shall be provided. If the exposed cable length is shorter than 1.0m support shall 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 shall 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 shall not be used. Cables lying in the bottom of an excavation are particularly vulnerable and shall be protected by nail free wooden planks, troughing or other suitable means.

- Cables shall not be moved aside unless the operation is supervised by GTC.

- Precautions shall be taken to prevent access by members of the public.

33. GTC shall 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 deep excavations nearby (minimum of 2m up to 15m).

- Working near GTC's HV plant.

Precautions for Water Networks

34. Plans do not always show the presence of water service pipes (from the water main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.

35. The depth of cover for water mains are typically 900mm. The depth of cover for water services are typically 750mm. 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.

36. Water mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

37. 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. Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators shall not be used within 500mm of a water pipe.

38. 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 442 716**
- Remain on site.
- Do not attempt to make a repair.
- Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.

39. 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.

40. 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.

41. Where an excavation uncovers a water pipe with a damaged wrapping, GTC shall be told, so that repairs can be made to prevent future corrosion and leakage.

42. Pipe restraints or thrust blocks close to water mains should never be removed.

43. Anyone who carries out work near underground water plant shall 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.

44. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.

45. GTC shall 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 deep excavations nearby (minimum of 2m up to 15m).

Precautions for Fibre Networks

46. 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.

47. Chambers with IFNL or OFNL 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.

48. 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 shall 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.

49. The depth of cover for fibre duct is typically between 350mm and 600mm in footways and grass verges, 600mm in carriageways and 1m 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.

50. 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.

51. 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 GTC Fibre immediately on: **02920 028 726**
- Remain on site.
- Do not attempt to make a repair.
- Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.

52. 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.

53. No concrete or other hard material shall 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.

54. 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.

55. 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.

56. GTC shall 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 asset.
- Carrying out deep excavations nearby (minimum of 2m up to 15m).

Precautions for District Heating Networks

For information with respect to Dstrict Heating Networks this could also include District Cooling.

57. Plans do not always show the presence of District Heating service pipes (from the District Hearing main to premises) but their existence should be assumed.

58. The depth of cover for District Heating mains is typically a minimum of 600mm under normal light carriageways and during construction activities, additional temporary protective bridging should be placed over DHN pipe runs. The depth of cover for District Heating services is typically 6000mm. 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.

59. District Heating mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

60. The danger created by damaging a District Heating with an excavator is much greater than if the damage is done with a hand-held power tool. District Heating 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 600mm of a District Heating pipe.

61. 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 Metropolitan by dialling: **02920 100 346**
- Remain on site.
- Do not attempt to make a repair.
- Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.

62. Where District Heating 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 District Heating or cause excessive loading over the water pipe then Metropolitan must be consulted.

63. No concrete or other hard material should be placed or left under or adjacent to any District Heating as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a District Heating.

64. Where an excavation uncovers a District Heating pipe with a damaged insulation, Metropolitan should be told, so that repairs can be made to prevent future corrosions and leakage.

65. Pipe restraints , Anchor blocks or foam padding close to district heating mains shall never be removed.

66. Anyone who carries out work near underground district heating plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to district heating pipes shall be made.

67. Where District Heating pipes have been exposed and it is intended hot work (e.g. welding, grinding, etc) will be carried out, contact shall be made with Metropolitan to confirm additional precautions and actions that may require to be undertaken.

68. Metropolitan shall 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 District Heating pipe.
- Reducing the cover or protection of a District Heating pipe.
- Carrying out deep excavations nearby.

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-220622163250-963**
Your Reference : **31188FM-GWS**
Development Name :
Date Created : **22/06/2022 16:32:50**
Description/Comments :
Created By : **FMARGIOTTA@GROUNDWISE.COM**

Phase 1 documents
Hazard/Pipelines Report (../Download/File/?HSLRefer=HSL-220622163250-963&DownloadType=HSEHasAnInterest)

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

Continue Application >>