Maps on Demand Plant Information Reply

property of openreach Not to be resold

IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made newar to BT apparatus which may exist at various depths and may deviate from the marked route.

openreach

CLICK BEFORE YOU DIG

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

email cbyd@openreach.co.uk

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

Accidents happen

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

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KEY TO BT SYMBOLS

	Planned	*Live*
PCP		
Pole		
Box		
Manhole		
Cabinet		

Change Of State	+	Hatchings	
Split Coupling	×	Built	
Duct Tee	▲	Planned	
Building		Inferred	
Kiosk	K	Duct	

Other proposed plant is shown using dashed lines.
BT Symbols not listed above may be disregarded.
Existing BT Plant may not be recorded.
Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.

	Pending Add	*In Place*	*Pending Remove*	*Not In Use*
Power Cable				
Power Duct				N/A

BT Ref : RGO09290Y
Map Reference : (centre) SU6863074308
Easting/Northing : (centre) 468630,174308
Scale : 1:250
Issued : 03/09/2024 09:29:19

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

openreach

If you're planning or building a new development, working on a regeneration project or undertaking roadworks it's likely that you'll come across some of our network infrastructure.

This guide includes images and descriptions of the most common types of equipment (past and present) to help you identify what's on your site so we can best advise you if you need anything moved or removed.

If you're not sure, please contact us – ideally sending a photo of the plant on your site – before you start work.

Poles and attachments

There are currently three materials used for poles: wood, steel and fibreglass.
Wooden poles vary in length from 7 to 15m depending on the span the lines need to cover.

There are two types of pole in use:

- **Radial Distribution Poles:** typically to serve a number of properties in a street
- **Carrier Poles:** typically found in more rural locations, these are often used to provide an overhead route from A to B.

Pole markings

Owner of the pole – In this case BT. Older poles may also be marked as GPO or PO

Pole length and class (light, medium or stout) – 10L = 10m light

Year of preservation – 97

Supplier marker and type of wood – 2I = supplier 2 and Imported (I)

The punch hole sign is a testing cycle sign. This label is for internal Openreach use.

The pole reference number:

Distribution Pole – The letters DP, plus a number, in this case 19.

Carrier Pole – No letters, just a number will be shown.

You may also see square metal labels with a letter on a pole, i.e. C, D, H, SD and Z. These indicate the status of the pole to a visiting engineer.

Street covers and cabinets

Street covers and cabinets (PCP) have changed over the years, from cast iron to fibreglass to pressed steel. Sizes vary and all are made in single door versions. The most common examples are:

Cast iron cabinet

Fibreglass cabinet

Single door cabinet (with replacement steel door)

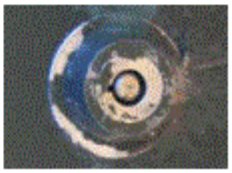
Steel cabinet

All-in-one cabinet

How to spot one of our cabinets: keys and markings

Openreach and Virgin Media both have street cabinets and they look quite similar. Often the only difference is the type of key needed to open them. Openreach cabinets have a triangular or star shaped insert, while Virgin Media use conventional keys (see below).

Openreach keys



Virgin Media key

All Openreach cabinets, frames and covers, are marked to show who owns them. Examples of these markings and the materials cabinets are made of are shown below.

Cast iron GPO marking

Fibreglass Telecom marking

Steel BT marking

Carriageway covers

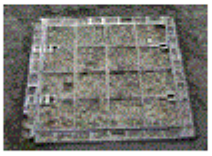
These boxes generally contain small customer connections. The old type of covers were made of concrete with a concrete lid while current covers are made of fibreglass and have a steel lid.

There are generally two types of carriageway covers. Those with a T-shaped key, the Silent Night, and those with a D-shaped key, the Elkington. Both types were supplied in all sizes and while the design varied slightly all have ownership markings on them.

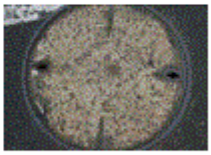
All sizes are approximate.

Carriageway covers with two triangular lids

CW No.1
Silent Night
680mm x 680mm



CW No.1
old type (Elkington)
inserts vary



Very old round
CW no.1

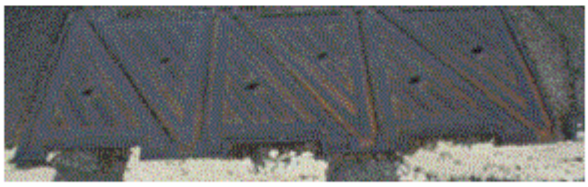
Carriageway covers with four triangular lids

CW No.2 Silent Night
1220mm x 680mm

CW No.2 old type
(Elkington)

Carriageway covers with six triangular lids

CW No.3 current type



CW No.3 Silent Night type

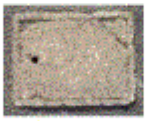
CW No.3 Elkington type

Footway covers

Footway covers come in six basic sizes: small, medium, large, square, twin and triple, although there are size variants within some types. All sizes are approximate.

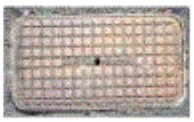
Small covers

These lids cover boxes which generally contain small customer connections. Previously the boxes and lids were made of concrete, but the current footway boxes are made of fibreglass and have steel lids.



JB21 31x41cm

JB22 41x61cm



JB23 28x50cm

Medium covers

There is only one size of cover in this category. This lid can be found on a fibreglass preformed box, JB26, as well as a concrete/brick chamber, JF2. As with the JB 23 small footway box above the JB26 will have a thin white edge around the cover while the JF2 has a fillet.

Old style cast iron and concrete 38x80cm

JF2/JB26 34x80cm

Large covers

Along with the twin, this is probably the most common footway type in the network. Originally the covers were made of cast iron and concrete but now they're just made of concrete.

JF4 current type 55x100cm

JF4 old type 55x100cm

Square covers

These covers are placed over manholes and are found in the footways and verges.

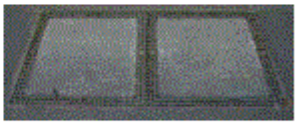
JF5 70x70cm

JF5 old type 70x70cm

Twin covers

This cover shown in the section is probably the most common footway type in our network. Originally the cover was made of cast iron and concrete but now they're just made of concrete. You can see variations to the inserts and markings below.

JF6
70x140cm

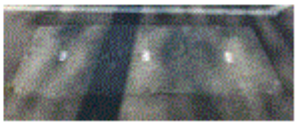


JF6 old cast and concrete
type 70x140cm

Triple covers

The two sizes of triple lid covers are shown here.

JF10 80x240cm



JF11 80x140cm

Inserts and markings

In this section you can see examples of the markings that you would expect to find on our equipment.

Footway

Examples of the current JF4 and JF5 inserts are shown below. The number '4' or '5' shown on the right hand side of the insert identifies the type. The letters 'DW' shown on the top right hand corner of the JF5 box indicate that this is a drive way lid built to stand further loading.

JF4

JF5

The following examples show the changes undertaken from GPO to BT.

Carriageway

The current marking is shown below, with some of the older versions beneath.

Current marking

Older markings

Non-standard plant

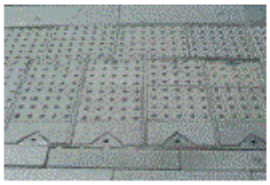
Some locations have used bespoke cover infills which improve the aesthetics of the area, enhance paving designs or accommodate high tactile surfacing. The scope of these type of covers is endless.

Maintenance for these covers may not reside with Openreach as often the responsibility remains with the Authority.

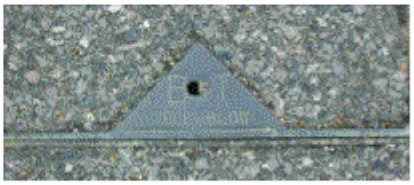
A small selection of non-standard footway and carriageway covers are shown below.

FW No.4

CW No.3 insert type



FW No.6



Detail of legend built into frame

National Telephone Company Limited

*Please Note - Sometimes searches received from GTC are not in the direct area of concern—but what is the vicinity close added so show what is nearby in case a need to be connected.

Dear

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.

N0003645

Gas

- N0003645-1_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
- 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

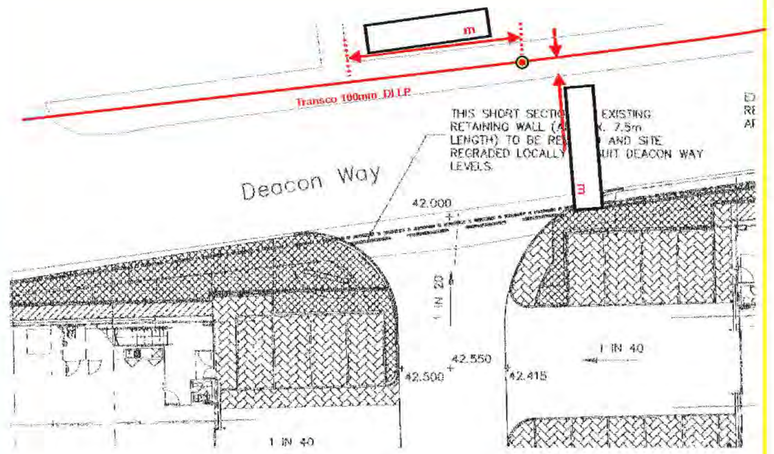
Thank you for using the GTC Plant Enquiries Service.

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 4638386, Your Ref N/A generated for utilitysitesearch@outlook.com at 04/09/2024 11:00:53. This drawing is reproduced from our records archive at the time of enquiry.

Rev	Revision Note	Date	Drawn by	Approved
1-0	Converted from Coral Draw	14/01/13	LB	N/A



CSEP Connection Detail
Scale: 1:200

Connection Type: 100 DI x 63mm UPT

(confirm the above connection has been made or give details if other connection type made)

Contractor to provide connection asbuilt measurements as shown below

Proposed Services
All services to be ducted. Duct laid by the developer at 450mm cover to the finished level. Road crossings to be separately ducted with their positions clearly marked. All duct to be 50mm diameter continuous plastic. Services will be laid wherever possible.

- Route of ducted service
- Service Road Crossing Duct
- Service Isolation Valve

Proposed Mains
All mains to be laid in pre-excavated trench to 600mm cover, provided by the developer. Road crossings to be continuous plastic duct or drainage pipe sized to accomodate the mains shown on this drawing, at 750mm cover to the finished level.

- Proposed L.P. Main <75 mbar
- Existing L.P. Main <75 mbar
- Proposed M.P. Main 75 mbar - 2 bar
- Existing M.P. Main 75 mbar - 2 bar
- Proposed I.P. Main >2 bar - 7 bar
- Existing I.P. Main >2 bar - 7 bar
- Existing H.P. Main >7 bar - 24 bar
- Existing H.P. Main >24 bar - 38 bar
- Existing H.P. Main >38 bar - 70 bar
- Ducted Main (Existing L.P. Shown)
- Off Site Main
- Off Site Service

LP connection to older PCT · MP connection to older PCT · LP connection to older PCT

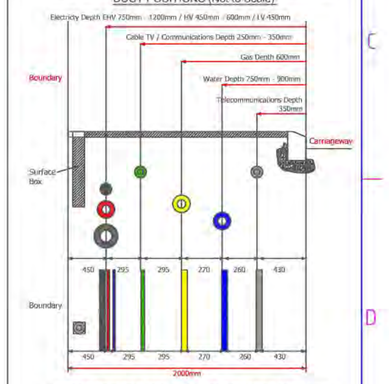
Pressure Reducing Station (Governor) · Open Valve · Closed Valve · Reducer

Duct Sizes

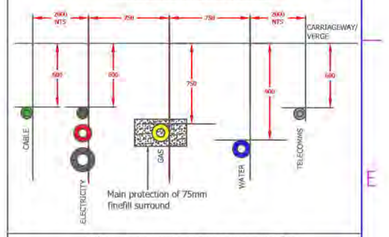
Gas Pipe Nominal Diameter	Duct Diameter
25, 32 & 32mm	50mm
63mm	100mm
90mm	150mm
125 & 180mm	225mm
250mm	300mm
355mm	450mm

ANY DEVIATION FROM THESE SIZES IS AT THE DEVELOPERS OWN RISK

TYPICAL FOOTPATH SECTION TO SHOW RELATIVE DUCT POSITIONS (Not to Scale)



TYPICAL ROAD/VERGE SECTION TO SHOW RELATIVE DUCT POSITIONS (Not to Scale)



Minimum Proximity to Properties - Pe Mains

O.D. (mm)	Material Pe Grade	MOP <75 mbar	MOP >75 mbar ≤ 2 bar	MOP >2 bar ≤ 5.5 bar	MOP >5.5 bar ≤ 7 bar
		Minimum Proximity (m)			
≤140	Pe 80 SDR 26	0.25	3		
	Pe 80 SDR 17.6	0.25	3		
	Pe 80 SDR 11	0.25	3	5	10
150 to 250	Pe 80 SDR 26	1	3		
	Pe 80 SDR 17.6	1	3		
	Pe 80 SDR 11	1	3	5	10
315	Pe 80 SDR 26	1	3		
	Pe 80 SDR 17.6	1	3		
	Pe 80 SDR 11	1	3	5	10

This plan shows those pipes owned by GTC Pipelines Ltd. Gas pipes owned by other transporters or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. 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 mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus.

This gas network design has been carried out by :

GTC Design Engineer
GTC
Wincolpit Business Park
Bury St Edmundds
Suffolk
IP30 9UP

Tel : 01359 240363
Fax : 01359 244398
www.gtc-uk.co.uk

GIRS Reg. No: IUP 2000015/0017/001F

All pipe and fittings used on this design are to be in accordance with GIS/PL2, GIS/L2 and GIS/F7

© GTC Pipelines Ltd 2006

Drawing Scale :	1:200
O.S.REF :	468522,174406
Network Number :	N0003645-1
Linked Networks :	
Drawing Number :	N0003645-1_R1-0_1_of_1
Developer :	Utility Partnership Ltd
Location :	Oxford Road READING Berkshire RG1

gtc pipelines limited

SHEET SIZE A1

Buy A Plan
UK's Fastest and Easiest Planning Site

Howden Joinery, Unit 14, Stadium Way, Tilehurst, Reading, RG30 6BX

Site Plan shows area bounded by: 468669.75, 174207.04 468811.17, 174348.47 (at a scale of 1:1250), OSGridRef: SU68747427. The representation of a road, track or path is no evidence of a right of way. The representation of features as lines is no evidence of a property boundary.

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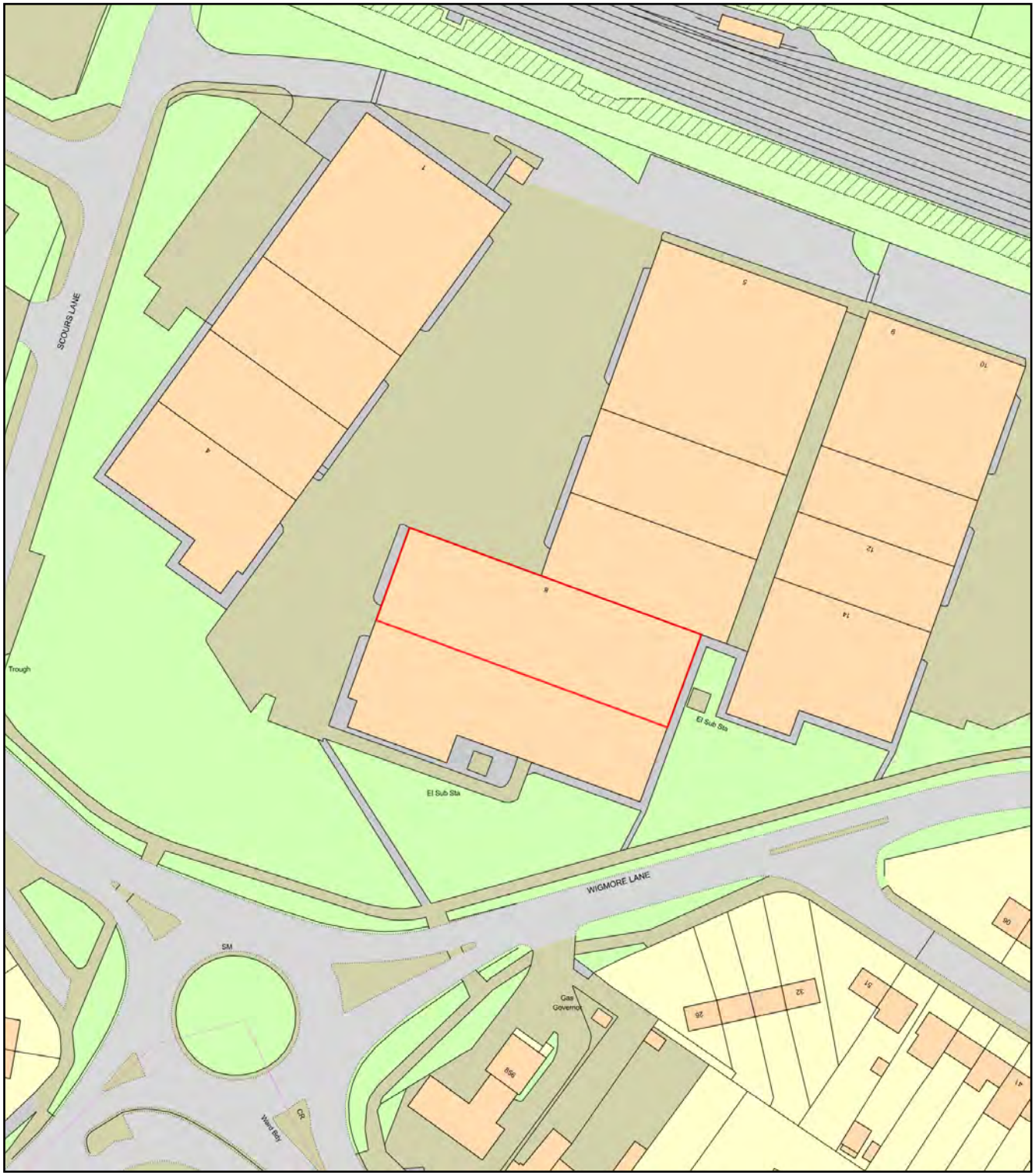
The Climbing Hangar, Unit 8 Stadium Way, Reading RG30 6BX



0 50
Metres

N

ReQuestaPlan

Plan Produced for: Paul Allison, Fastsigns

Date Produced: 21 Oct 2022

Plan Reference Number: TQRQM22294105439662

Scale: 1:1250 @ A4

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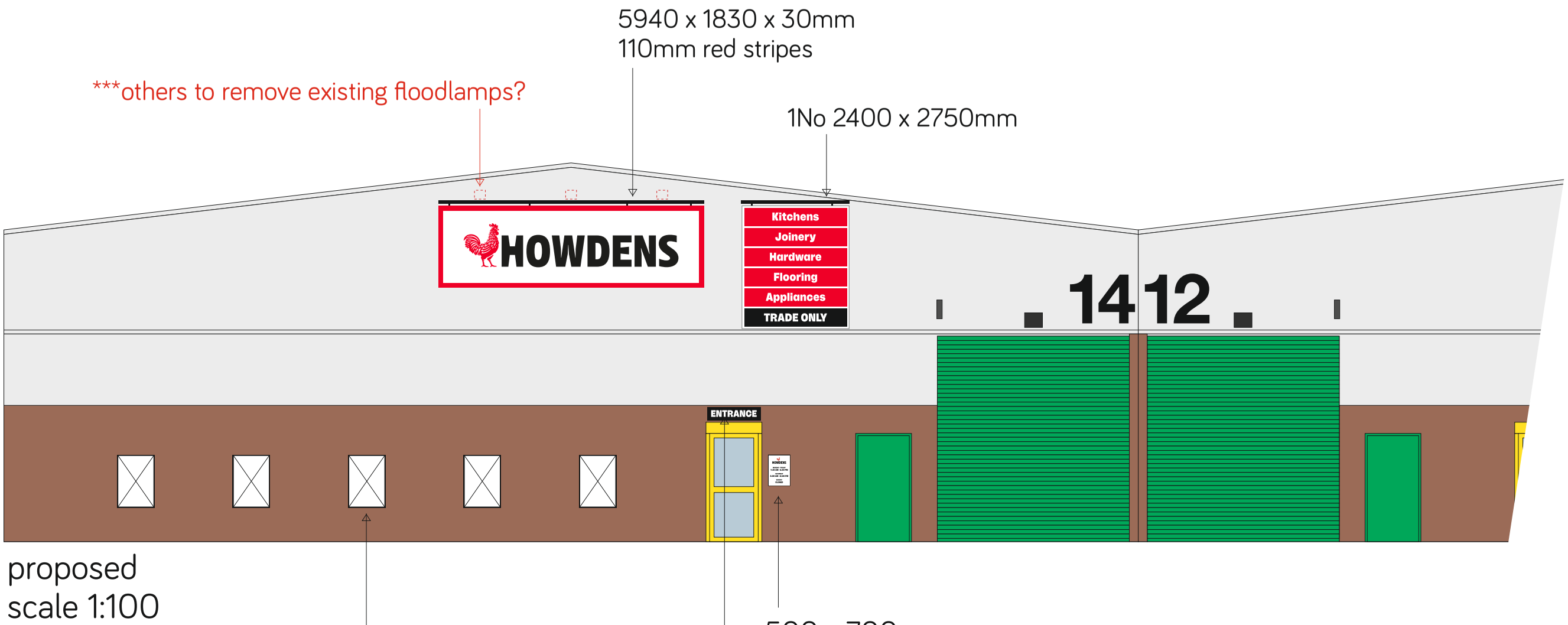
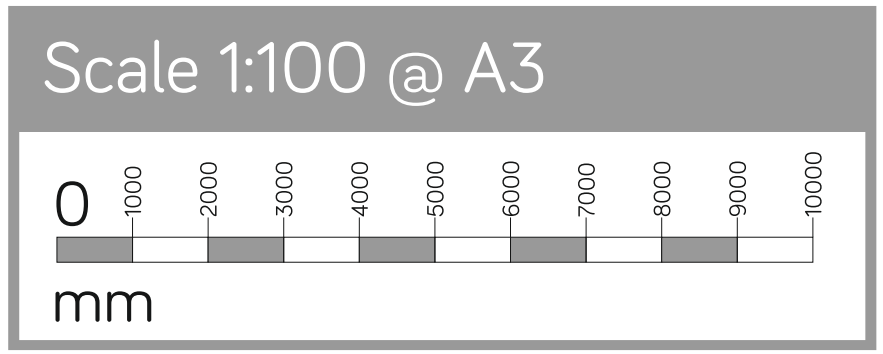


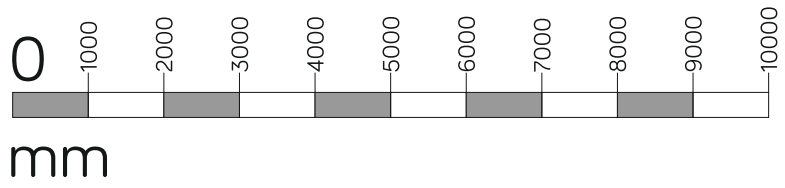


existing

FILE EXT.	Z:\A-Z Projects\Howdens (ADS)\030_HOWDENS_READING	DWG No.	030_HOWDENS_READING	REVISIONS: REV_00_INITIAL PRESENTATION
		DATE	20-05-19	
ADDRESS	READING	JOB No.	TBC	
DRAWN BY	J.KING	SCALE	AS SHOWN @ A3	This drawing is confidential and any form of reproduction, modification, distribution or other unauthorised use is strictly prohibited without written consent

ADS CONSULTANTS
2 The Stray, Brough, South Cave. HU15 2AL
Telephone: 01430 421489
Fax: 01430 421495
ADS GROUP

Scale 1:100 @ A3



5940 x 1940 x 30mm
110mm red stripes

proposed
scale 1:100

existing

FILE EXT.	Z:\A-Z Projects\Howdens (ADS)\030_HOWDENS_READING	DWG No.	030_HOWDENS_READING	REVISIONS: REV_00_INITIAL PRESENTATION
		DATE	20-05-19	
ADDRESS	READING	JOB No.	TBC	
DRAWN BY	J.KING	SCALE	AS SHOWN @ A3	This drawing is confidential and any form of reproduction, modification, distribution or other unauthorised use is strictly prohibited without written consent

ADS CONSULTANTS
2 The Stray, Brough, South Cave. HU15 2AL
Telephone: 01430 421489
Fax: 01430 421495
ADS GROUP

Please note,

Crossrail is not affected by these works.

Best regards,

Will Orlik
Safeguarding Officer (Crossrail)
CRL_Safeguarding@tfl.gov.uk

Infrastructure Protection Team
Floor 7 B5 : 5 Endeavour Square : London : E20 1JN

Worksite Survey Team
National Records Centre
Audax Road
YORK

YO30 4US

NRSWA Asset Enquiries

Dear Sir/Madam,

Please find information available as per the checklist.

The information contained herein is based on Network Rail's records and, where appropriate, third parties such as utility companies. The search enclosed does not cover a search of local council records. Also, schematic Signal and Telecom (S&T) cables plans are not provided as part of the search results, therefore you must assume S&T cables are present until proven otherwise.

Although at the date of this letter the information is as up to date as possible, it is **NOT** a statement of validity, accuracy or completeness as to any of the enclosed search information and must not be relied on as such.

Your risk assessment **MUST** take into account:

- That the information supplied, including the services shown on the map from the Rail Infrastructure Network Model (RINM), does not provide any guarantee as to the accuracy of the actual location of services on site and **MUST** be considered as for guidance purposes only.
- That new/unrecorded services are likely to be present
- That the enclosed buried services search information has been collated only for the ELR and Mileage boundaries as stated on the original request form

Included in the buried services search is a list of ASPRO engineers & managers you **MUST** contact before any ground disturbance is carried out, to check whether further information is held locally.

Further guidance can be obtained from the Health and Safety Executive publication HSG47 "Avoiding Danger from Underground Services" and the Network Rail Publication NR/L2/INI/CP1030.

Should you become aware of any additional underground services or assets within the locality during your investigations and/or works, including redundant assets, please identify them as a matter of urgency to the site manager. Records of the location of these assets should be kept for onward transmission and entry into the Hazard Directory.

Yours sincerely

NRSWA Team

Worksite Survey

Buried Services Information Checklist

Your Ref	Scours Lane Tilehurst	Our Order Ref	224778

Network Rail Record Type	Category	Enclosed Yes/No	Notes (e.g. Nil Return)
Asset Protection National Map	Contact Ino	Y	
Hazard Directory	Hazard	Y	
Site Map	GIS Systems	Y	
eB - Corporate records management system	National Records Group	N	Nil Return
Network Rail - Drainage	GIS Systems	N	Not available - Data at this location is currently being updated
National Records Group - Civils Records	National Records Group	Y	

NIL RETURN: After interrogating the information made available to us, no records containing buried services information have been returned for this worksite. However, reference must be made to the guidelines supplied with this buried services search, which contain important information on safe working practices.