

## UTILITIES APPRAISAL

Proposed Residential and  
Football Stadium  
Development

Kingfield Stadium  
Kingfield Road  
Woking  
GU22 9AA

Prepared for:  
Woking Football Club

22<sup>nd</sup> November 2019

Project Number:  
RMA-C1947



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2	08 <sup>th</sup> November 2019	Revised Issue
3	08 <sup>th</sup> November 2019	Revised Issue
4	22 <sup>nd</sup> November 2019	Final Issue

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# 1 INTRODUCTION

- 1.1 RMA Environmental Limited has been commissioned by Woking Football Club to undertake a utilities appraisal for a proposed residential and football stadium development at Kingfield Stadium in Woking, GU22 9AA.
- 1.2 The principal objective of this appraisal is to establish the presence of key utility services in relation to the site boundary and also to identify any potential constraints associated with the ability of the relevant utility provider to supply the proposed development. The appraisal has been based on the redevelopment of the site, following the demolition of all existing buildings and structures, to provide a replacement stadium with ancillary facilities, including flexible retail, hospitality and community spaces, independent retail floorspace (Classes A1/A2/A3), a medical centre (Class D1) and vehicle parking, plus residential accommodation comprising of 1,048 dwellings (Class C3) within 5 buildings of varying heights of between 3 and 10 storeys (and undercroft and part basement levels) on the south and west sides of the site, together with provision of new accesses from Westfield Avenue to car parking, associated landscaping and the provision of a detached residential concierge building (refer to Appendix A).
- 1.3 A search of utilities and services which are located on or close to the site has been undertaken to inform the later detailed design stage. Utility plans (refer to Figures 1.1 and 1.2) have been prepared which summarise the location of services within and immediately adjacent to the application site. This was achieved through the provision of a Groundwise Utilities Search Report (refer to Appendix B). It is noted that mapping provided by affected utilities owners is not exhaustive; unmapped infrastructure may still be located within the site boundary that has not been identified during this search.
- 1.4 The following subsections provide details of the availability and any potential capacity issues that might exist for the following services:
- mains water supply;
  - sewerage;
  - gas;
  - electricity; and
  - telecommunications.
- 1.5 It has been concluded that all principal services are available in the local area. Some of the available services may require further studies to be carried out to confirm that there is sufficient capacity in the local area and to identify any abnormal costs for the development.

## 2 UTILITIES APPRAISAL

### Public Water Mains Infrastructure

#### Within the Site

- 2.1 Affinity Water asset records indicate that there is no public mains water infrastructure within the site boundary.

#### Adjacent to the Site

- 2.2 An existing public water main is located along the north-western boundary of the site within Westfield Avenue and a 4-inch public water main is also located to the north of the site along Kingfield Road.
- 2.3 Public water mains infrastructure is located within the residential areas to the east of the site within Kingfield Close and Loop Road and to the south of the site along Granville Road.
- 2.4 It is considered that easements with respect to the surrounding potable water network would not affect the layout of the proposed development.

### Surface Water and Foul Sewerage Infrastructure

#### Within the Site

- 2.5 Thames Water sewer records indicate a private combined sewer located in the centre of the site, which is identified to be connected to a Bio-solids (sludge) public sewer within the south-western part of the site. Thames Water records further indicate that there is a public foul sewer within the northern part of the site.
- 2.6 As a result of public foul sewer infrastructure within the site, easements will need to be considered for the proposed development (refer to Figure 1.1).

#### Adjacent to the Site

- 2.7 According to Thames Water mapping, a public surface water sewer is located immediately adjacent to the north-western boundary of the site along Westfield Avenue. Thames Water sewer records further indicate that two surface water sewers are located approximately 15 m north-west of the site and 85 m east of the site at their closest points, respectively.
- 2.8 A public main foul sewer is located approximately 10 m south-west of the site at its closest point. Furthermore, a public foul sewer is located within residential properties approximately 20 m north-east of the site at its closest point along Kingfield Road.
- 2.9 It is anticipated that applicable easements for these sewers would not affect the layout of the proposed development.

### Capacity Enquiry

- 2.10 Consultation has been undertaken with Thames Water to determine if there is sufficient capacity within the surface water and foul sewers to supply the proposal.
- 2.11 This consultation is included within Appendix C and states that the foul sewerage network does not currently have enough capacity to serve the development. Therefore, Thames Water are required to carry out detailed modelling work and potential off-site reinforcement to ensure the necessary improvement are in place prior to the development going ahead. Thames Water should be consulted following planning consent so that this modelling can be undertaken.
- 2.12 With regard to surface water drainage at the site, it is proposed to discharge surface water runoff from the development to the watercourse to the north-west of the site, as detailed within the surface water drainage strategy which is included as part of this application. There is no requirement to undertake surface water capacity enquiry with Thames Water as a connection to public surface water sewer is not required.

## **Gas Infrastructure**

### Within the Site

- 2.13 Southern Gas Network mapping identifies that gas infrastructure is present within the site. It is further indicated that two Low Pressure (LP) gas mains are located within the northern part of the site.
- 2.14 As a result of LP gas infrastructure within the site, easements will need to be considered for the proposed development (refer to Figure 1.1).

### Adjacent to the Site

- 2.15 Southern Gas Network mapping identifies an LP main located within Westfield Avenue immediately adjacent to the north-western boundary of the site.
- 2.16 Further LP gas infrastructure is located within the residential areas surrounding the site and, in particular, within Kingfield Road and Loop Road.
- 2.17 There is no Medium Pressure (MP) gas infrastructure within the vicinity of the site.
- 2.18 It is anticipated that any easements for gas infrastructure adjacent to the site would not affect the proposed development layout.

### Capacity

- 2.19 It is concluded that links to gas infrastructure are available for the development; however, network reinforcement outside the site boundary may be required. It is recommended that Southern Gas Networks are consulted further to establish if there is sufficient capacity in the local network or if capacity upgrades off-site will be required.

## Electricity

### Within the Site

- 2.20 UK Power Network Mapping indicates a Low Voltage (LV) overhead electricity cable is present within the southern part of the site. The mapping further indicates that three LV underground cables are present within the northern, north-eastern and south-western parts of the site. The underground cable within the north is located along the existing access route of the current football stadium and the north-eastern and south-western cables are located along the football stadium (refer to Figure 1.1).
- 2.21 As a result of LV overhead and underground electricity infrastructure within the site, easements will need to be considered for the proposed development.

### Adjacent to the Site

- 2.22 UK Power Network mapping has identified that an LV underground cable is located along the north-western boundary of the site along Westfield Avenue towards Elm Bridge.
- 2.23 LV overhead and underground electricity infrastructure are located immediately adjacent to the north-eastern boundary of the site within the residential area along Kingfield Road. Furthermore, underground and overhead LV cables are located south-west of the site along Westfield Avenue and Granville Road.
- 2.24 It is anticipated that any easements for adjacent electricity infrastructure would not affect the proposed development layout.

### Capacity

- 2.25 It is concluded that electricity connections are available for the development; however, network reinforcement may be required. Detailed consultation with UK Power Network will be carried out by Elementa when the exact power requirements of the proposed development have been quantified to establish if there is sufficient capacity in the local network or if capacity upgrades off-site will be required.

## Telecommunications

### Within the Site

- 2.26 Telecommunications mapping was received from Openreach (BT infrastructure) and Virgin Media. Mapping indicates that Virgin Media infrastructure is present within the northern part of the site within the current access route and that Openreach infrastructure is located within the northern and central parts of the site (refer to Figure 1.2).
- 2.27 As a result of telecommunications infrastructure being present within the site, easements or diversions will need to be considered for the proposed development.

### Adjacent to the Site

- 2.28 Telecommunications mapping has identified that there is Openreach and Virgin Media infrastructure located along the north-eastern boundary of the site. Furthermore, telecommunications infrastructure is located within residential areas along Westfield Avenue, Kingfield Road, Loop Road and Kingfield Close.
- 2.29 It is considered that easements for adjacent telecommunication infrastructure would not affect the proposed development; however, this will be confirmed prior to works commencing through further consultation with Openreach.

### Capacity

- 2.30 It is concluded that telecommunications links are available for the site; however, network reinforcement may be required. Detailed consultation with Openreach/Virgin Media will be required when the exact requirements of the proposed development have been quantified to establish if there is sufficient capacity in the local network or if capacity upgrades off-site will be required.

## **Masts**

### Within the Site

- 2.31 Mast location mapping indicates that telecommunications mast infrastructure is present within the site. Mapping has identified that two masts are located within the western part of the site adjacent to the south-western stand of Woking football stadium.

### Adjacent to the Site

- 2.32 No mast infrastructure has been identified within the vicinity of the site boundary.

### 3 SUMMARY AND CONCLUSIONS

- 3.1 Table 3.1 provides a summary of the availability of key services and the recommended actions to be undertaken in order to fully establish any abnormal infrastructure costs that would be required to ensure sufficient capacity is available to serve the development.

**Table 3.1: Summary of Utilities Appraisal**

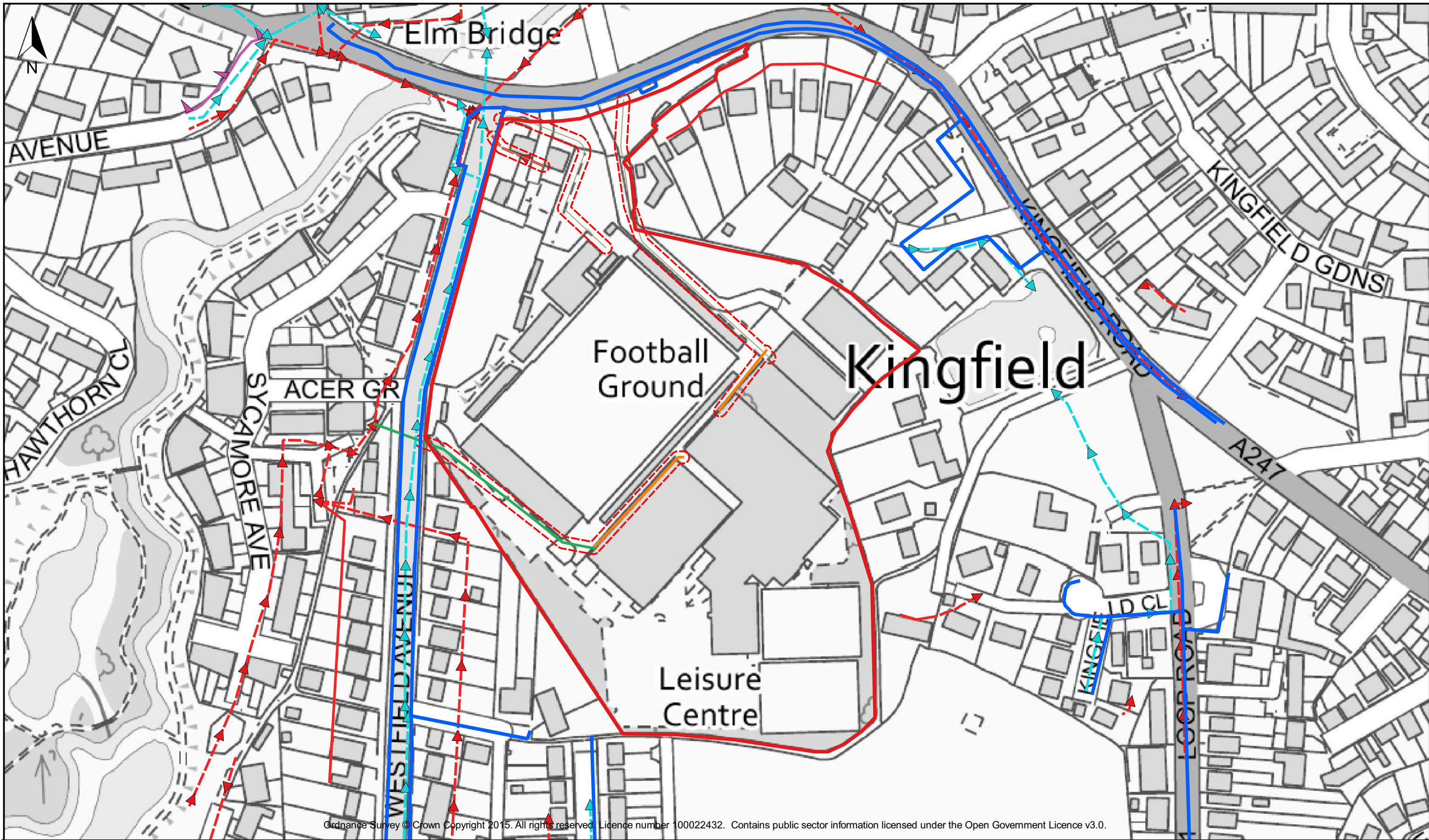
UTILITY	LOCATION	DISCUSSION	RECOMMENDATIONS
Mains water	There are no public water mains located within the site boundary. Water infrastructure is located along Westfield Avenue, Kingfield Close, Loop Road and to the south of the site along Granville Road.	Although there are no water mains within the site, connections can be made to adjacent mains infrastructure. Network reinforcement outside the site boundary may be required.	Affinity Water should be consulted at the detailed design stage to establish costs of providing new on-site water mains to serve the development.
Sewerage	No public surface water infrastructure is located within the site. A bio-solids (sludge) sewer is located within the western part of the site. Foul sewerage is located within the northern part of the site and a private combined sewer is located within the centre of the site. Surface water infrastructure is located within Westfield Avenue	Consultation with Thames Water states that there is insufficient capacity within the foul sewers to supply the proposal and that further modelling work and potential off-site reinforcement will be necessary. Surface water runoff will be discharged to the watercourse to the north-west of the site and therefore there is no requirement to undertake surface water capacity enquiry with Thames Water.	Thames Water should be consulted following planning consent so detailed modelling of foul sewerage infrastructure can be undertaken.
Gas	LP gas infrastructure is identified to be within the northern part of the site, along the exiting access route of the site.	Gas links are available for the site but network reinforcement outside the site boundary may be required.	Consultation should be undertaken with Southern Gas Networks with regard to the availability of gas for the development once the exact requirements are quantified.
Electricity	LV underground cables are present within the northern, north-eastern and south-western parts of the site. The underground cable within the north is located along the existing access route of the current football stadium and the north-eastern and south-western cables are located along the football stadium.	Easements or diversions for electricity infrastructure will have to be considered during the construction phase of the development. Electricity connections are available for the development; however, network reinforcement may be required.	Consultation should be undertaken with UK Power Networks with regard to easements during the construction phase of the development and the supply of electricity to the development once the exact requirements are quantified.

UTILITY	LOCATION	DISCUSSION	RECOMMENDATIONS
	<p>Overhead electricity infrastructure is located within the centre of the site.</p> <p>Electrical infrastructure is located within the residential areas surrounding the site.</p>		
Telecoms	<p>Virgin Media infrastructure is present within the northern part of the site within the current access route, and Openreach infrastructure is located within the northern and central part of the site.</p>	<p>As a result of telecommunications infrastructure within the site, easements or diversions will need to be considered for the proposed development; however, this will be confirmed through further consultation with Openreach.</p> <p>Network reinforcement outside the site boundary may be required.</p>	<p>Consult Openreach with regard to the easements, for the infrastructure within the site and for the supply of telecoms to the development once the exact requirements are quantified.</p>
Mast	<p>Two masts are located within the site in the western part of the site, adjacent to the south-western stand of Woking football stadium.</p>	<p>The dimensions of masts within the site are not specified by current mapping.</p>	<p>Further consultation is needed to obtain the dimensions and applicable easements for masts within the site boundary.</p>



## **Figures**





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**Key**

- Red Line Boundary
- 3 m Easement
- ← Foul Sewer
- ← Surface Water Sewer
- Bio-Solids (Sludge)
- Water Main
- Surface Water Rising Main
- Combined Sewer
- - - Low\_Pressure\_Gas\_Main

Figure 1.1: **Sewerage, Water Mains and Gas Infrastructure**

Client: **Woking Football Club**

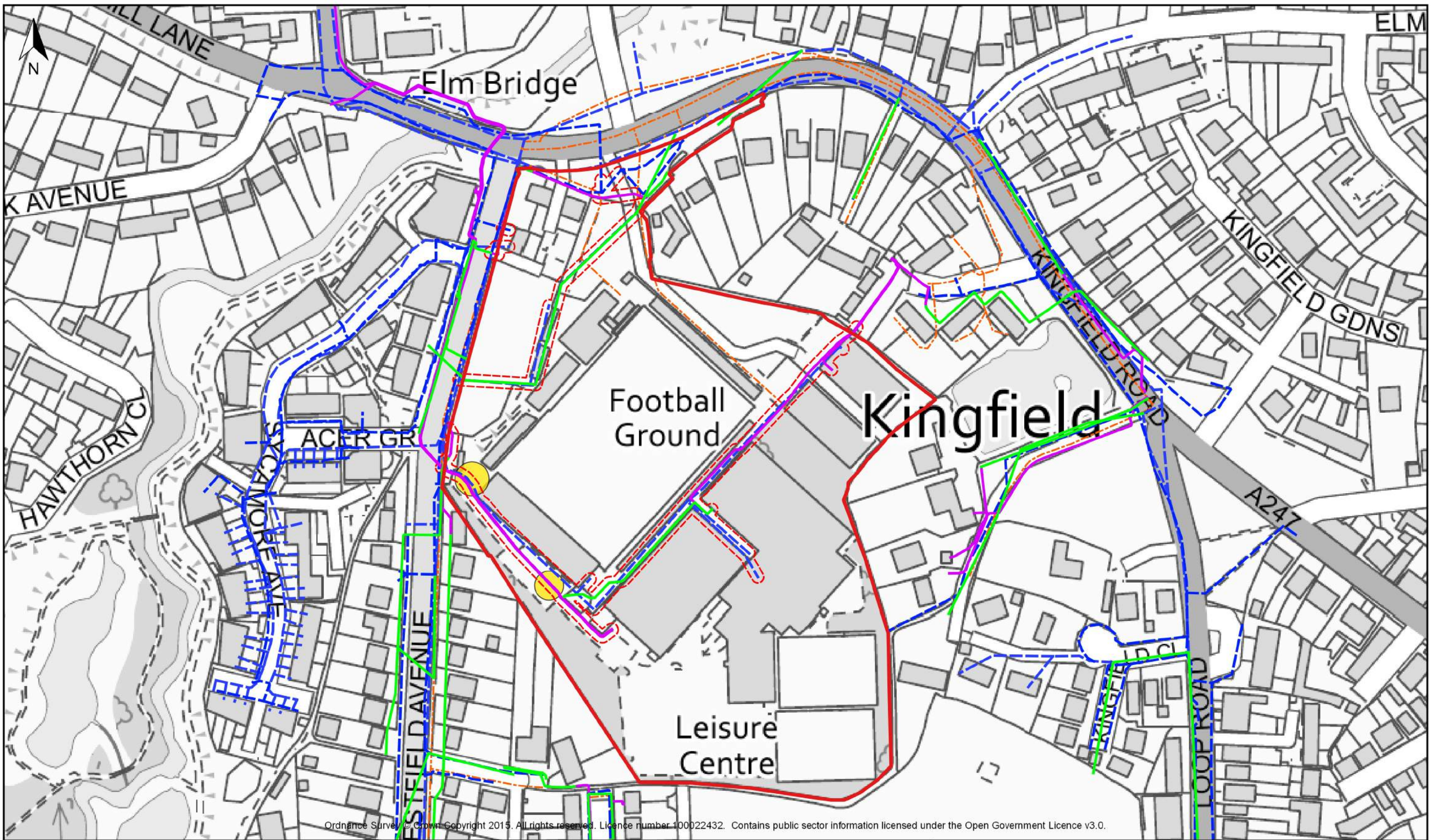
Project: **Woking Sites EIA - Kingfield Site**

Project No.: **C1947**



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Key	
	Red Line Boundary
	3 m Easement
	Mast
	Underground Electricity Cable
	Overhead Electricity Cable
	Telecommunications

Figure 1.2:	<b>Electricity and Telecoms Infrastructure</b>
Client:	<b>Woking Football Club</b>
Project:	<b>Woking Sites EIA - Kingfield Site</b>
Project No.:	<b>C1947</b>



Drawn: KR	Checked: MS	Date: 08/11/2019	Scale: 1:1,750@A3
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## ***Appendix A: Proposed Development Layout***





**KEY**

- STUDIO APARTMENT
- 1 BEDROOM APARTMENT
- 1 BEDROOM DUPLEX / TOWNHOUSE
- 2 BEDROOM APARTMENT
- 2 BEDROOM TOWNHOUSE
- 2 BEDROOM UPPER DUPLEX
- 2 BEDROOM LOWER DUPLEX
- 3 BEDROOM APARTMENT / TOWNHOUSE
- COMMUNITY CONCERGE
- COMMERCIAL AREA
- DOCTORS AND DENTIST FACILITY
- STADIUM



## **Appendix B: Groundwise Utility Search Report**

Developer Services  
Affinity Water Limited  
Tamblin Way  
Hatfield, Herts  
AL10 9EZ

Tel: 0345 3572428

ds@affinitywater.co.uk

Your ref: 23397

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

20 February 2019

Dear Sirs

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

Thank you for your letter/notice dated 20/02/2019 informing me of your intention to carry out work at the above location.

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

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

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

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

- Temporary and/or permanent support must be provided. In the event of damage occurring to our apparatus, all repair costs incurred by the Company will be charged to you or your contractor.

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

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

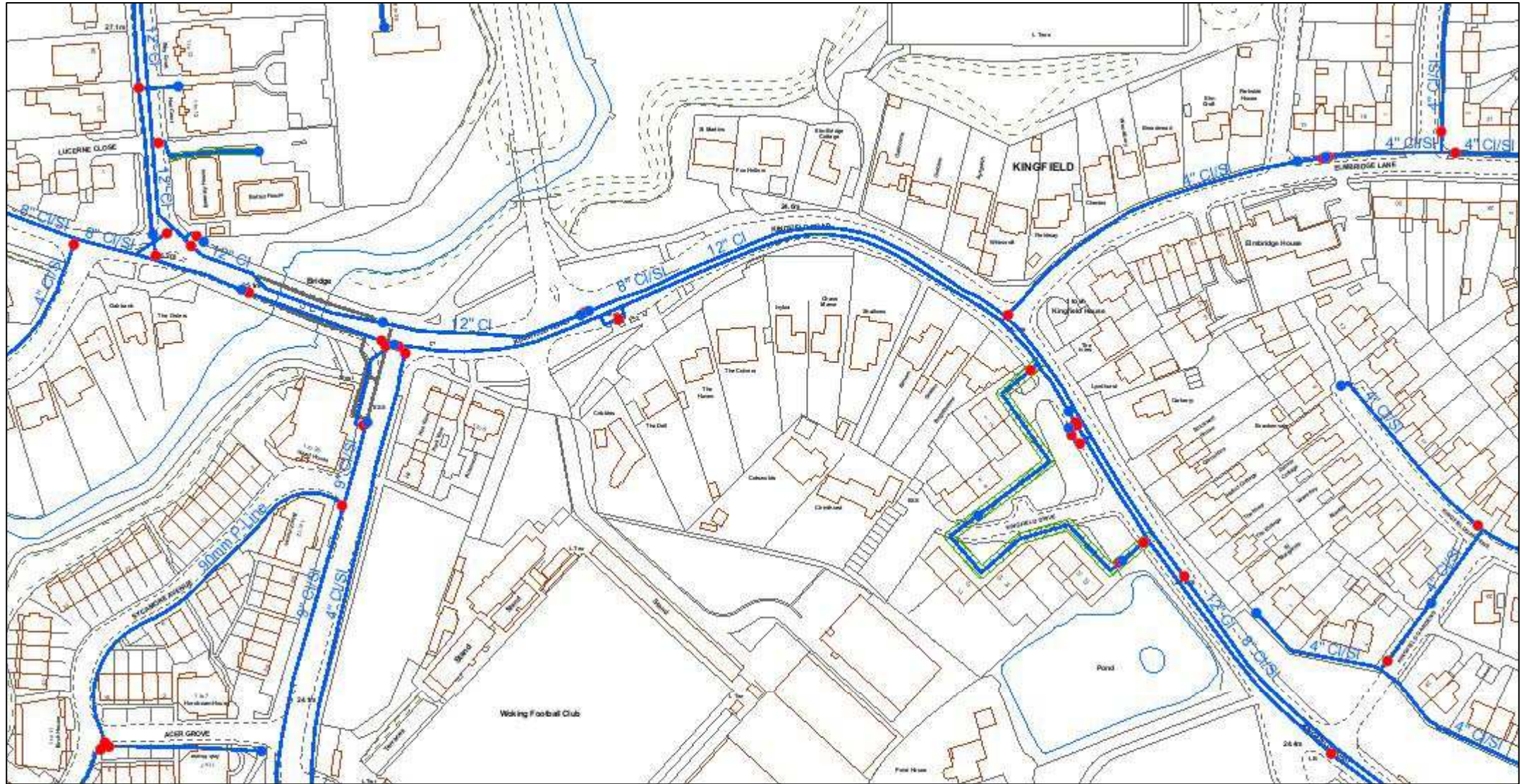
Yours faithfully

Enclosure: Record plan









## Debbie Miller

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**From:** NRSWA <nrswa.nrswa@sky.uk>  
**Sent:** 11 February 2019 11:07  
**To:** Debbie Miller  
**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF



Thank you for your enquiry.

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

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

Regards

NRSWA Department  
Tech UK - Implementation

**sky** | TECHNOLOGY

✉ [nrswa@sky.uk](mailto:nrswa@sky.uk) ☎ +44 20703232234

**Kind Regards,**

**Tabitha Harris**  
NRSWA Administrator  
Tech UK Operations

[NRSWA@sky.uk](mailto:NRSWA@sky.uk)



**70 Buckingham Avenue**  
**Slough**  
**SL1 4PN**



---

**From:** Debbie Miller <DMiller@groundwise.com>

**Sent:** 08 February 2019 16:11

**To:** plantenquiries@energetics-uk.com; osm.enquiries@atkinglobal.com; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; interoute.enquiries@plancast.co.uk; plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com; NRSWA <nrswa.nrswa@sky.uk>; OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk; mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk

**Subject:** [EXTERNAL] Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref:** 23397DM

**Site :** Woking Football Club, Woking, GU22 9PF

**Grid reference:** 500588,157301

**Requests:**

**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,

**Debbie Miller**

Production Researcher  
Groundwise Searches Ltd



[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

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Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU  
Company Registration Number 4130795  
VAT number 769 0642 02

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Groundwise Ref: 23397DM

Our Ref: Ref shown on map

Date of issue: shown on map

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

Dear Customer,

**NR & SW ACT 1991 – PROPOSED WORKS AT:** **Woking Football Club**

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

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

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

Thank you for your request of 20/02/2019 describing the above proposals.

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

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

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

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

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

Yours faithfully,

**Julie Cullum**  
**NNHC & MBE Manager**

## Debbie Miller

---

**From:** Plantenquiries <plantenquiries@catelecomuk.com>  
**Sent:** 19 February 2019 07:37  
**To:** Debbie Miller  
**Subject:** RE: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

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

Dear Sir/Madam,

Thank you for your enquiry for the above reference.

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

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

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

Kind regards,

## Plant Enquiry Team



**Please consider the environment before printing this email.**

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---

**From:** Debbie Miller [mailto:DMiller@groundwise.com]  
**Sent:** 08 February 2019 16:11  
**To:** [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com); [osm.enquiries@atkinglobal.com](mailto:osm.enquiries@atkinglobal.com); [plantenquiries@instalcom.co.uk](mailto:plantenquiries@instalcom.co.uk); [osp-team@uk.verizonbusiness.com](mailto:osp-team@uk.verizonbusiness.com); [interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [plantenquiries@psgservices.co.uk](mailto:plantenquiries@psgservices.co.uk); Plantenquiries <[plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com)>; [NRSWA@bskyb.com](mailto:NRSWA@bskyb.com);

OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk;  
mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk  
**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref: 23397DM**  
**Site : Woking Football Club, Woking, GU22 9PF**  
**Grid reference: 500588,157301**  
**Requests:**

**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,

**Debbie Miller**  
Production Researcher  
Groundwise Searches Ltd

**GROUNDWISE**

[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

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Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU  
Company Registration Number 4130795  
VAT number 769 0642 02



## LEGEND

- EXISTING PLANT
- EXISTING PLANT

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Select a bitmap

Head Office  
CityFibre Holdings Ltd  
15 Bedford Street,  
London,  
WC2E 9HE

Tel: 0845 293 0774  
Web: www.cityfibre.com

Asset Office  
CityFibre Holdings Ltd,  
Rutherford House,  
Birchwood,  
Warrington,  
WA3 6ZH

Email: asset.team@cityfibre.com

### Disclaimer:

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

Project

Plant Enquiry

Drawing

Existing Plant

Drawn by:

smallworld

Date: 20/02/2019

Drawing No.

CFH\_EP\_000001

Revision

001

Scale: 1:1250

A4



## Debbie Miller

---

**From:** Plant Enquiries <plantenquiries@energetics-uk.com>  
**Sent:** 12 February 2019 19:46  
**To:** Debbie Miller  
**Subject:** RE: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

Dear Sir/Madam,

Thank you for submitting your recent plant enquiry.

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

If you require further assistance with outstanding enquiries, please call 03300 587 443.

Please ensure all plant enquiries are sent to [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com)

Regards



### Plant Enquiries

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



---

**From:** Debbie Miller <DMiller@groundwise.com>

**Sent:** 08 February 2019 16:11

**To:** Plant Enquiries <plantenquiries@energetics-uk.com>; osm.enquiries@atkinsglobal.com;  
plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; interoute.enquiries@plancast.co.uk;  
plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com; NRSWA@bskyb.com;  
OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk;  
mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk

**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref: 23397DM**

**Site : Woking Football Club, Woking, GU22 9PF**

**Grid reference: 500588,157301**

**Requests:**

**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,

**Debbie Miller**

Production Researcher  
Groundwise Searches Ltd

**GROUNDWISE**

[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
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Company Registration Number 4130795  
VAT number 769 0642 02*

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## Joe Shawyer

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**From:** nrswa.uk@engie.com  
**Sent:** 10 May 2018 10:50  
**To:** Joe Shawyer  
**Subject:** Automatic reply:

## ENGIE

**Thank you for your enquiry. This mail box is monitored daily**

ENGIE owns and operates district energy networks in the following cities. In addition, ENGIE has buried pipework either inside or very close to the area codes listed below:

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

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

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

**However, if no Response is forthcoming please take this automated reply as evidence that ENGIE have no assets within the areas. In accordance with the NRSWA 1991 legislation, please allow 10 days a response, otherwise after this time it is deemed that ENGIE have no assets in the area enquired.**

If you have any further questions or enquiries please email [doccontrol@engie.com](mailto:doccontrol@engie.com)

### ENGIE Document Control

Urban Energy  
UK & Ireland  
[NRSWA.UK@engie.com](mailto:NRSWA.UK@engie.com)

Cofely GDF SUEZ is now ENGIE  
[engie.co.uk](http://engie.co.uk)

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

**Debbie Miller**

---

**From:** plantenquiries@psgservices.co.uk  
**Sent:** 12 February 2019 09:09  
**To:** Debbie Miller  
**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

To Whom It May Concern:

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

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

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

Kind regards

**ALL PLANT ENQUIRIES AND DIVERSIONARY REQUESTS SHOULD BE ADDRESSED BY EMAIL TO THE OPERATIONS TEAM AT [plantenquiries@psgservices.co.uk](mailto:plantenquiries@psgservices.co.uk) , WITH A PLAN AND FULL POSTAL ADDRESS OF YOUR ENQUIRY, THANK YOU**



For and on behalf of euNetwork Fiber UK Limited

Thanks

Vivien Hart

T 01772 514453 | E [plantenquiries@psgservices.co.uk](mailto:plantenquiries@psgservices.co.uk)



Telecommunications Survey, Planning, Engineering & GIS Services

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Virus-free. [www.avg.com](http://www.avg.com)

## Debbie Miller

---

**From:** plantenquiryservice@gtc-uk.co.uk  
**Sent:** 20 February 2019 10:35  
**To:** Debbie Miller  
**Subject:** GTC Plant Enquiry - Ref- 910819  
**Attachments:** 910819.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: 910819**  
**Your Enquiry Ref: 23397**

Dear Debbie,

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.

#### **N0014550**

##### **Electric**

- [EN0014550-1\\_1\\_of\\_3\\_Entire\\_site.png](#)
- [EN0014550-1\\_2\\_of\\_3.png](#)
- [EN0014550-1\\_3\\_of\\_3\\_Contestable\\_LV.png](#)

##### **Gas**

- [N0014550-1\\_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

## **SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS**

(Refer to the HSE Guidance Document HSG47)

### **General**

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

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

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



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

### **Precautions for Gas Networks**

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

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

### **Precautions for Electricity Networks**

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

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

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

### **Precautions for Water Networks**

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

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

### **Precautions for Fibre Networks**

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

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

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

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



Information taken from the GTT Interoute Vtesse website:

View the GTT Interoute Vtesse Interactive Network Map

<http://www.interoute.com/our-network>



Please note: This map is a snapshot of Interoute's layer 1 and layer 2 network infrastructures and latency in one direction. As we are continually updating our footprint and capabilities this may not be fully representative of all services provided by Interoute.



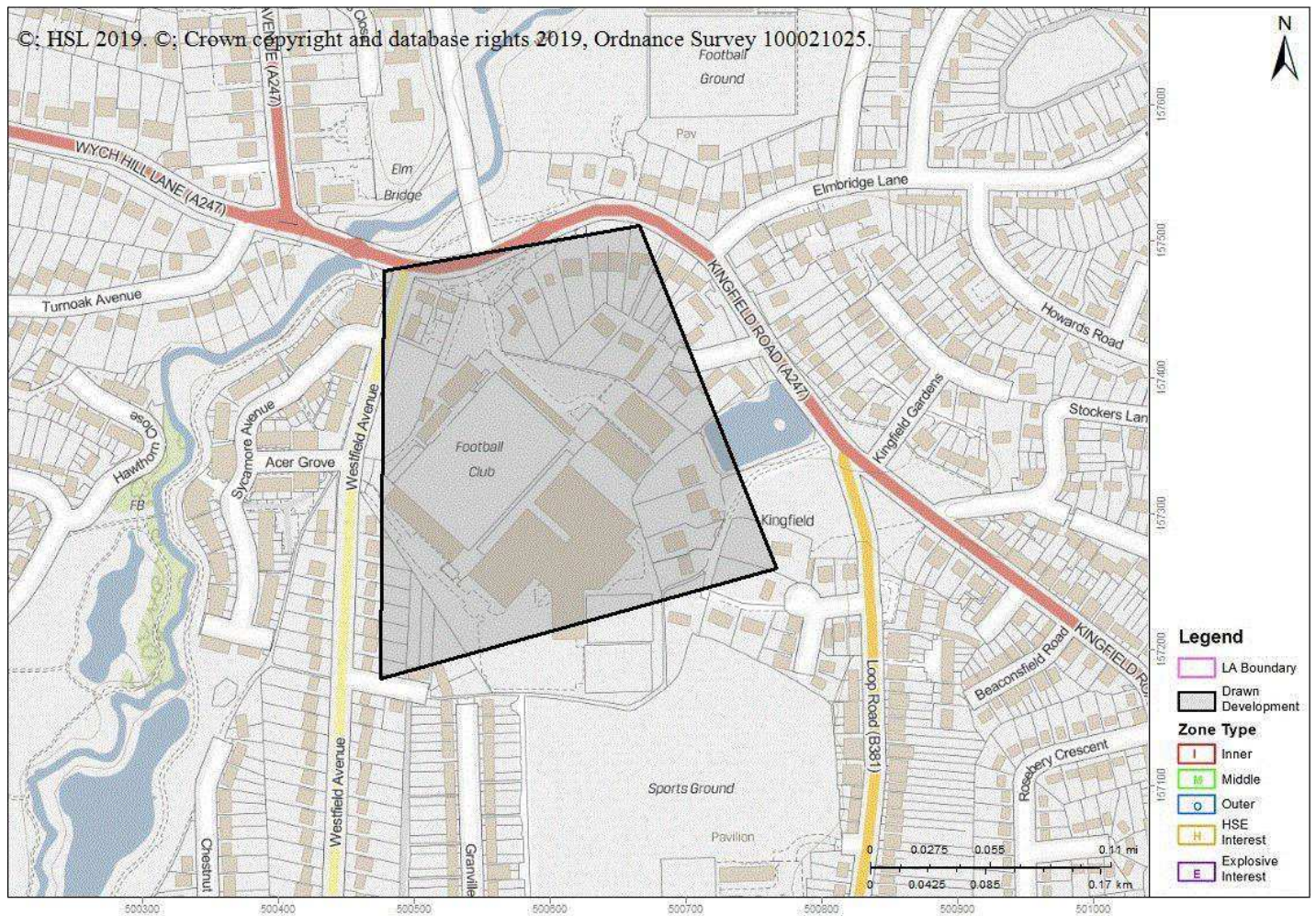


**Advice : HSL-190220110336-963 Does Not Cross Any Consultation Zones**

**Your Ref:** 23397

**Development Name:** Woking Football Club, Woking, GU22 9PF

**Comments:** Feasibility Study



The proposed development site which you have identified does not currently lie within the consultation distance (CD) of a major hazard site or major accident hazard pipeline; therefore at present HSE does not need to be consulted on any developments on this site. However, should there be a delay submitting a planning application for the proposed development on this site, you may wish to approach HSE again to ensure that there have been no changes to CDs in this area in the intervening period.

This advice report has been generated using information supplied by at Groundwise Searches Ltd on 20 February 2019.



# HSE's Advice

Your development does not intersect a pipeline or hazard zone, HSE Planning Advice does not have an interest in the development.

Our Reference : **HSL-190220110336-963**

Your Reference : **23397**

Development Name : **Woking Football Club, Woking, GU22 9PF**

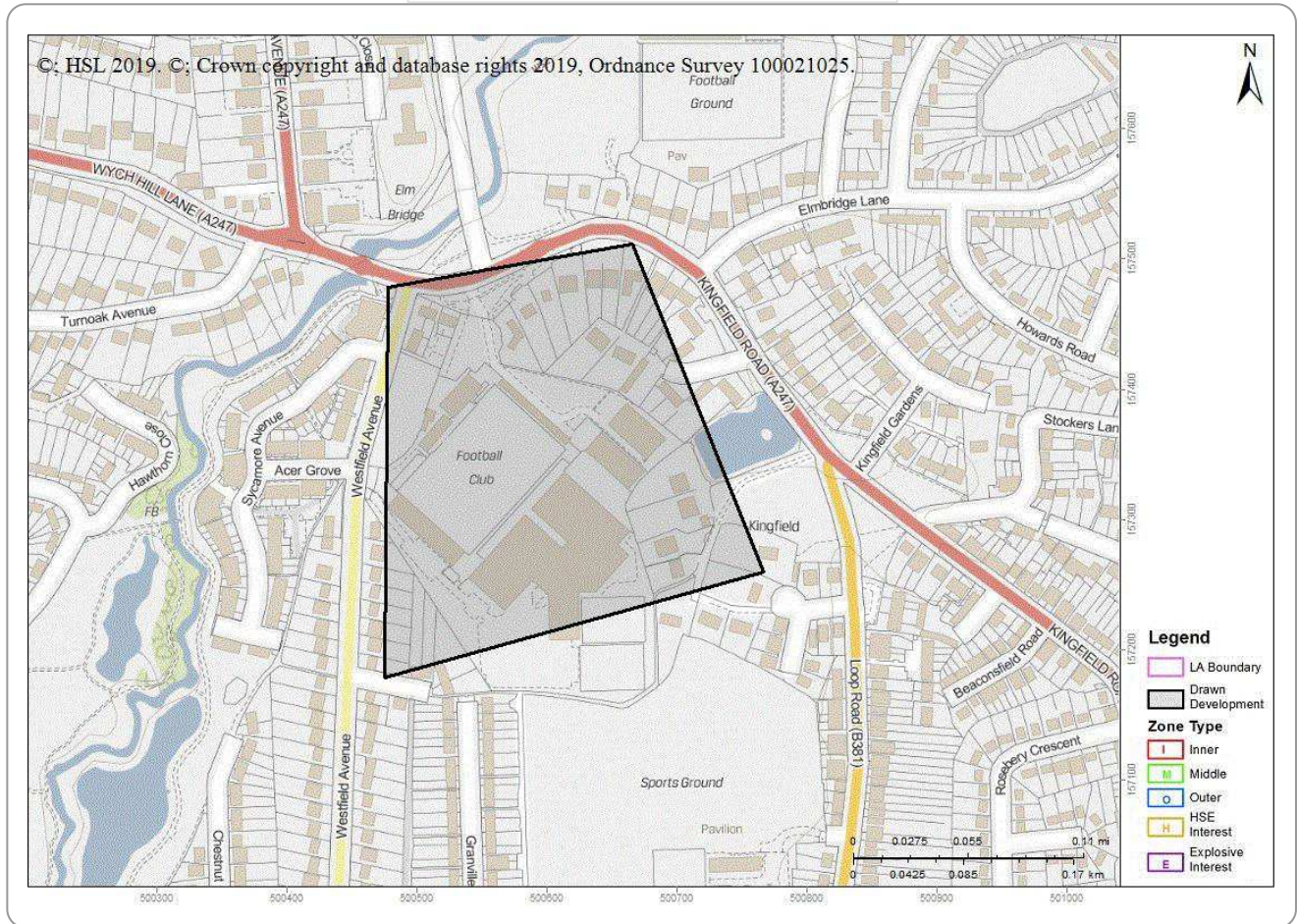
Date Created : **20/02/2019 11:03:36**

Description/Comments : **Feasibility Study**

Created By : **DMILLER@GROUNDWISE.COM**

Phase 1 documents  
No HI/MHP Interest Report  
(../Download/File/?HSLRefer=HSL-190220110336-963&DownloadType=HSEHasNoInterest)

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



Menu

# Developed by HSL, part of HSE

## Debbie Miller

---

**From:** Plantenquiries <Plantenquiries@instalcom.co.uk>  
**Sent:** 14 February 2019 12:41  
**To:** Debbie Miller  
**Subject:** RE: E02-19-2871 23397DM - Site : Woking Football Club, Woking, GU22 9PF

Dear Sir or Madam,

Thank you for your plant enquiry below.

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

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

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

Regards

**Plant Enquiries Administrator**



Instalcom Limited  
Borehamwood Ind Park  
Rowley Lane  
Borehamwood  
WD6 5PZ

Office: +44 (0)208 731 4779  
Fax: +44 (0)208 731 4601  
Email: [plantenquiries@instalcom.co.uk](mailto:plantenquiries@instalcom.co.uk)  
Web: <http://www.instalcom.co.uk>



---

**From:** Debbie Miller [mailto:DMiller@groundwise.com]

**Sent:** 08 February 2019 16:11

**To:** [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com); [osm.enquiries@atkinsglobal.com](mailto:osm.enquiries@atkinsglobal.com); Plantenquiries <[Plantenquiries@instalcom.co.uk](mailto:Plantenquiries@instalcom.co.uk)>; [osp-team@uk.verizonbusiness.com](mailto:osp-team@uk.verizonbusiness.com); [interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [plantenquiries@psgservices.co.uk](mailto:plantenquiries@psgservices.co.uk); [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com); [NRSWA@bskyb.com](mailto:NRSWA@bskyb.com); [OPBuriedServicesEnquiries@networkrail.co.uk](mailto:OPBuriedServicesEnquiries@networkrail.co.uk); [plantenquiries@trafficmaster.co.uk](mailto:plantenquiries@trafficmaster.co.uk);

mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; KPN Plant Enquiries  
<kpn.plantenquiries@instalcom.co.uk>

**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref: 23397DM**

**Site : Woking Football Club, Woking, GU22 9PF**

**Grid reference: 500588,157301**

**Requests:**

**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,

**Debbie Miller**

Production Researcher  
Groundwise Searches Ltd

**GROUNDWISE**

[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

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Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU  
Company Registration Number 4130795  
VAT number 769 0642 02

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## Debbie Miller

---

**From:** KPN Plant Enquiries <kpn.plantenquiries@instalcom.co.uk>  
**Sent:** 12 February 2019 15:55  
**To:** Debbie Miller  
**Subject:** RE: K02-19- 1390 23397DM - Site : Woking Football Club, Woking, GU22 9PF



Dear Sir or Madam,

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

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

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

Regards

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

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



---

**From:** Debbie Miller [mailto:DMiller@groundwise.com]  
**Sent:** 08 February 2019 16:11  
**To:** [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com); [osm.enquiries@atkinsglobal.com](mailto:osm.enquiries@atkinsglobal.com); [Plantenquiries <Plantenquiries@instalcom.co.uk>](mailto:Plantenquiries@instalcom.co.uk); [osp-team@uk.verizonbusiness.com](mailto:osp-team@uk.verizonbusiness.com); [interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [plantenquiries@psgservices.co.uk](mailto:plantenquiries@psgservices.co.uk); [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com); [NRSWA@bskyb.com](mailto:NRSWA@bskyb.com);

OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk;  
mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; KPN Plant Enquiries  
<kpn.plantenquiries@instalcom.co.uk>

**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref: 23397DM**

**Site : Woking Football Club, Woking, GU22 9PF**

**Grid reference: 500588,157301**

**Requests:**

**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,

**Debbie Miller**

Production Researcher  
Groundwise Searches Ltd

**GROUNDWISE**

[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

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*Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU  
Company Registration Number 4130795  
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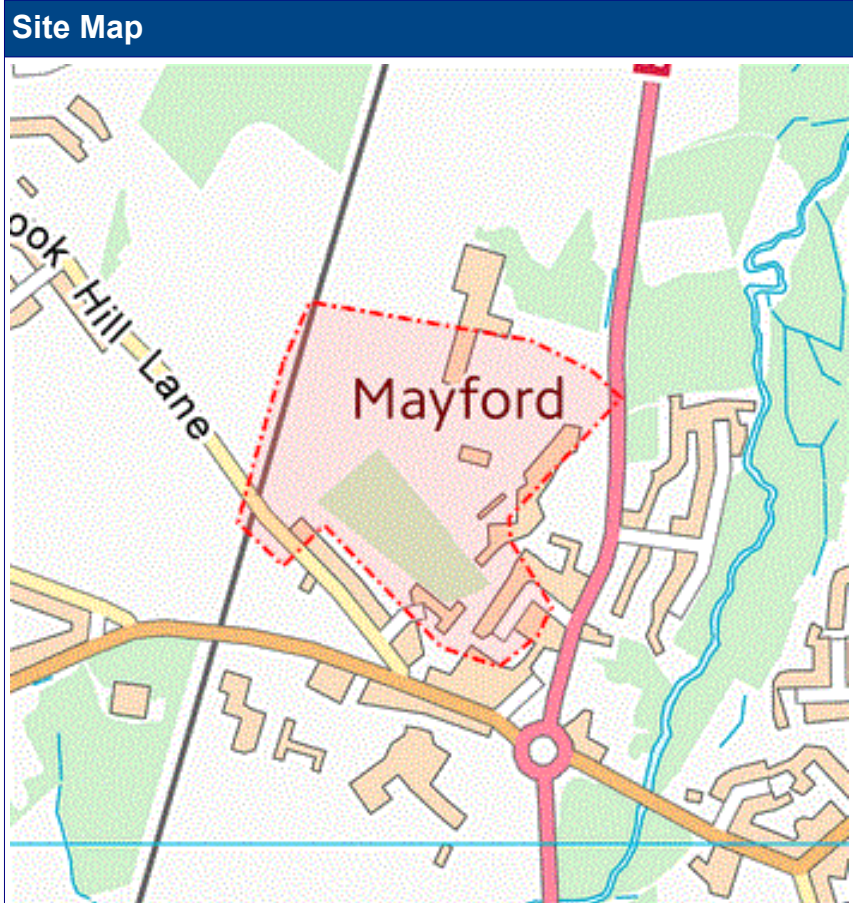
## Enquirer

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

## Enquiry Details

Scheme/Reference	23398		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	08/02/2019	Work type	Commercial/industrial
End date	08/03/2019	Site size	88810 metres square
Searched location	XY= 499449, 156413	Work type buffer*	25 metres
Confirmed location	499414 156370		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

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



## Asset Owners

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

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

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

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

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

Below are three lists of asset owners:

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

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

For National Grid Gas Distribution Ltd below 2 bar asset information please go to [www.beforeyoudig.nationalgrid.com](http://www.beforeyoudig.nationalgrid.com)

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

### List of affected LSBUD members

Asset Owner	Phone/Email	Emergency Only	Status
SGN	08009121722	0800111999	Await response
UK Power Networks	08000565866	08000565866	Await response
Zayo Group UK Ltd c/o JSM Group Ltd	01992 655 919	0800 169 1646	Await response

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

### List of not affected LSBUD members

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

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

Non-LSBUD members (Asset owners not registered on LSBUD)			
Asset Owner	Preferred contact method	Phone	Status
Affinity Water	AIT@affinitywater.co.uk	01707277523	Not Notified
BT	<a href="https://www.swns.bt.com/pls/mbe/welcome.home">https://www.swns.bt.com/pls/mbe/welcome.home</a>	08009173993	Not Notified
CenturyLink Communications UK Limited	plantenquiries@instalcom.co.uk	02087314613	Not Notified
CityFibre	asset.team@cityfibre.com	033 3150 7282	Not Notified
Colt	plantenquiries@catelecomuk.com	01227768427	Not Notified
Energetics Electricity	plantenquiries@energetics-uk.com	01698404646	Not Notified
ENGIE	nrswa@cofely-gdfsuez.com	01293 549944	Not Notified
GTC	<a href="https://pe.gtc-uk.co.uk/PlantEnqMembership">https://pe.gtc-uk.co.uk/PlantEnqMembership</a>	01359240363	Not Notified
Interoute	interoute.enquiries@plancast.co.uk	02070259000	Not Notified
KPN (c/-Instalcom)	kpn.plantenquiries@instalcom.co.uk	n/a	Not Notified
Mobile Broadband Network Limited	mbnl.plant.enquiries@turntown.com	01212 621 100	Not Notified
Sky UK Limited	nrswa@sky.uk	02070323234	Not Notified
Sota	SOTA.plantenquiries@instalcom.co.uk		Not Notified
Thames Water	<a href="http://www.digdat.co.uk">http://www.digdat.co.uk</a>	08450709145	Not Notified
Utility assets Ltd	assetrecords@utilityassets.co.uk		Not Notified
Verizon Business	osp-team@uk.verizonbusiness.com	01293611736	Not Notified
Virgin Media	<a href="http://www.digdat.co.uk">http://www.digdat.co.uk</a>	08708883116	Not Notified
Vodafone	osm.enquiries@atkinsglobal.com	01454662881	Not Notified
Vtesse Networks	<a href="https://plant.interoute.com/plant-enquiries/">https://plant.interoute.com/plant-enquiries/</a>	01992532100	Not Notified

#### Disclaimer











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# Mast Data

## Mobile Phone Masts

### Mast Data Map Key

	Orange	 <b>Site Location</b> (Easting/Northing or Postcode)
	Vodafone	
	T-Mobile	
	Three	
	O2	
	BT TE	
	Airwaves	
	CTIL	
	Arqiva	
	EE	
	UHF Relay	
	UHF Major	
	Offered	

#### Groundwise Searches Limited

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

Telephone 01702 615566  
Fax 01702 460239  
Email [mail@groundwise.com](mailto:mail@groundwise.com)  
Website [www.groundwise.com](http://www.groundwise.com)



# Mast Data

## Mobile Phone Masts

**Search Reference:** 23397

**Search Date:** 20/02/2019

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

On this occasion there **does** appear to be masts within the vicinity of your site.

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

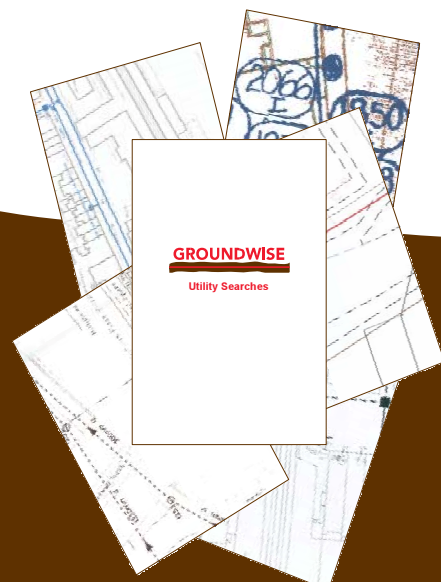
Further details can be found on the Mast Data website - <http://www.mastdata.com/>

Mast Data  
North End House  
Avon  
Christchurch  
Dorset  
BH23 7BJ  
020 8144 8143  
[info@mastdata.com](mailto:info@mastdata.com)

### Groundwise Searches Limited

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

Telephone 01702 615566  
Fax 01702 460239  
Email [mail@groundwise.com](mailto:mail@groundwise.com)  
Website [www.groundwise.com](http://www.groundwise.com)





# MBNL

Dear Sir/Madam

Many thanks for your email. Turner & Townsend would like to assure you that all plant enquiries we receive are reviewed thoroughly before making a decision on how to progress. Unfortunately, due to the sheer volume of enquiries we receive, we are unable to reply to every individual enquiry. We endeavour to reply to all **relevant** enquiries within a period of 14 working days. **Kindly note that if you do not receive a reply to your enquiry within 14 working days, you are able to assume that your proposal will NOT impact upon one of our sites.**

Kind Regards

**MBNL SHQE Team**

**Turner & Townsend**

t: +44 (0) 121 262 3663

<http://www.turnerandtowntsend.com>

Turner & Townsend Europe Limited

Registered Office: Low Hall, Calverley Lane, Horsforth, Leeds LS18 4GH, United Kingdom | Registered in England and Wales | Registration No: 3514794"

Turner & Townsend Limited

Project of the Year | Building Awards 2015

Construction Consultant of the Year | Building Awards 2014, 2013

Queen's Award for Enterprise: International Trade 2014

For further information and registration details visit our website <http://www.turnerandtowntsend.com>

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Please consider the environment before printing this email.



## Debbie Miller

---

**From:** Milne Gareth <Gareth.Milne@networkrail.co.uk> on behalf of OP Buried Services Enquiries <OPBuriedServicesEnquiries@networkrail.co.uk>  
**Sent:** 11 February 2019 09:05  
**To:** Debbie Miller  
**Subject:** RE: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

Dear Sir/Madam,

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

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

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

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

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

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

Regards,

### Gareth Milne

Distribution Administrator, Worksite Survey

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

National Records Centre, 5 Audax Road, York YO30 4GS

T +44(0)1904 386353

E [gareth.milne@networkrail.co.uk](mailto:gareth.milne@networkrail.co.uk)

### Network Rail – Working for you

AIS Hub

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

AIS Hub is replacing ASD Online and our Connect pages from Monday 3 September 2018

---

**From:** Debbie Miller <DMiller@groundwise.com>

**Sent:** 08 February 2019 16:11

**To:** [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com); [osm.enquiries@atkinglobal.com](mailto:osm.enquiries@atkinglobal.com); [plantenquiries@instalcom.co.uk](mailto:plantenquiries@instalcom.co.uk); [osp-team@uk.verizonbusiness.com](mailto:osp-team@uk.verizonbusiness.com); [interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [plantenquiries@psgservices.co.uk](mailto:plantenquiries@psgservices.co.uk); [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com); [NRSWA@bskyb.com](mailto:NRSWA@bskyb.com); OP Buried Services Enquiries <OPBuriedServicesEnquiries@networkrail.co.uk>; [plantenquiries@trafficmaster.co.uk](mailto:plantenquiries@trafficmaster.co.uk);

mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk  
**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref: 23397DM**  
**Site : Woking Football Club, Woking, GU22 9PF**  
**Grid reference: 500588,157301**  
**Requests:**

**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,

**Debbie Miller**  
Production Researcher  
Groundwise Searches Ltd



[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

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*Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU  
Company Registration Number 4130795  
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Network Rail Infrastructure Limited registered in England and Wales No. 2904587, registered office Network Rail, 2nd Floor, One Eversholt Street, London, NW1 2DN

\*\*\*\*\*  
\*\*\*\*\*

## Debbie Miller

---

**From:** Interoute Enquiries <interoute.enquiries@plancast.co.uk>  
**Sent:** 11 February 2019 09:40  
**To:** Debbie Miller  
**Subject:** RE: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

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

To whom it may concern

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

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

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

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

Yours faithfully

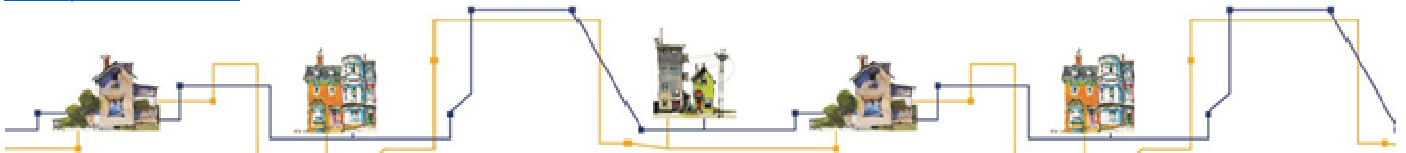
**PLANCAST Plant Enquiry Department**



The Old Haybarn  
Rosebery Mews, Mentmore  
Bedfordshire LU7 0UE

T: 01296 662 647

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



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

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

---

**From:** Debbie Miller <DMiller@groundwise.com>

**Sent:** 08 February 2019 16:11

**To:** plantenquiries@energetics-uk.com; osm.enquiries@atkinglobal.com; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; Interoute Enquiries <interoute.enquiries@plancast.co.uk>;  
plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com; NRSWA@bskyb.com;  
OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk;  
mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk

**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref:** 23397DM

**Site :** Woking Football Club, Woking, GU22 9PF

**Grid reference:** 500588,157301

**Requests:**

**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,

**Debbie Miller**

Production Researcher  
Groundwise Searches Ltd

**GROUNDWISE**



[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

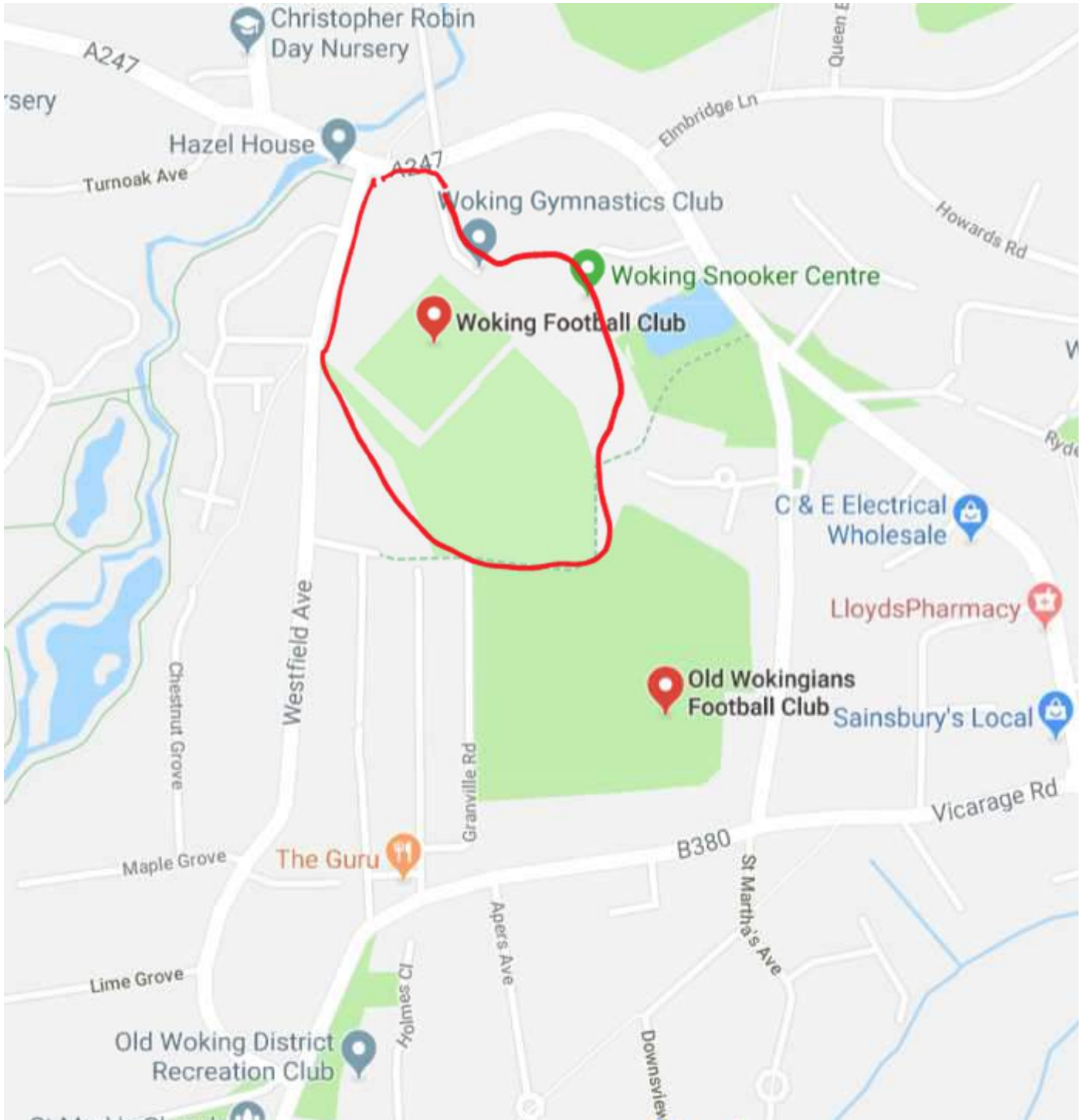
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Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU  
Company Registration Number 4130795  
VAT number 769 0642 02

# Debbie Miller

From:

Sales







Our Ref: 14788941      Your Ref: 23397

Wednesday, 20 February 2019

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

Dear Joe Shawyer

Thank you for your enquiry dated Wednesday, 20 February 2019

Please find an extract from our mains records for your proposed work area, any SGN assets are described in the map legend. **On some occasions blank maps may be sent to you, this is due to your proposed work being in a no gas area but within our operational boundaries.**

This mains record only shows the pipes owned by SGN in our role as a Licensed Gas Transporter (GT). Please note that privately owned gas pipes or pipes owned by other GTs may be present in this area and information regarding those pipes needs to be requested from the owners. If we know of any other pipes in the area we will note them on the plans as a shaded area and/or a series of x's.

**The information shown on this plan is given without obligation or warranty and the accuracy cannot be guaranteed. Service pipes, valves, siphons, stub connections etc. are not shown but their presence should be anticipated. Your attention is drawn to the information and disclaimer on these plans. The information included on the plan is only valid for 28 days.**

On the mains record you may see the low/medium/intermediate pressure gas main near your site. There should be no mechanical excavations taking place above or within 0.5m of a low/medium pressure system or above or within 3.0m of an intermediate pressure system. You should, where required confirm the position using hand dug trial holes.

A colour copy of these plans and the gas safety advice booklet enclosed should be passed to the senior person on site in order to prevent damage to our plant and potential direct or consequential costs to your organisation.

Safe digging practices in accordance with HSE publication HSG47 "Avoiding Danger from Underground Services" must be used to verify and establish the actual position of the 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 relevant people (direct labour or contractors) working for you on or near gas pipes.

It must be stressed that both direct and consequential damage to gas plant can be dangerous for your employees and the general public and repairs to any such damage will incur a charge to you or the organisation carrying out work on your behalf. Your works should be carried out in such a manner that we are able to gain access to our apparatus throughout the duration of your operations.

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

Yours sincerely,  
The Safety Admin Team  
**For more information, visit our Dig Safely pages on [sgn.co.uk](http://sgn.co.uk)**  
Tel: 0800 912 1722



# SGN

Your gas. Our network.

## Dig safely

Measures to avoid injury  
and damage to gas pipes



**The following protective and precautionary measures MUST be taken when working in the vicinity of gas mains and services.**

It is the responsibility of the property owner or company carrying out the work to make sure they've complied with the relevant legislation and Health and Safety Executive (HSE) guidance, eg HS(G)47. In practice, this means that whoever is carrying out the work MUST obtain gas mains location information and/or maps showing the indicative position of the gas network before any work takes place.

**To avoid injury to yourself, your employees, colleagues and the general public you MUST suitably mark the position of the pipes on site.**

HS(G)47 outlines best practice that should be followed to ensure you work safely:

1. Plan the work, obtain maps.
2. Detecting, identifying and marking underground services.
3. Safe excavation and safe digging practices.

In addition to the requirements under the Health and Safety At Work etc. Act 1974 to prevent injuries to employees and others (not employed), it is an offence under regulation 15 of the Pipelines Safety Regulations 1996 to cause damage to a pipeline (which includes gas mains and services as well as higher pressure pipelines) so as to give rise to a danger to persons.

**You MUST make sure that current full colour copies of our maps are issued to all relevant personnel on site and they're aware of the presence and location of our gas mains and services prior to any excavation.**

## In a gas emergency

If you cause a gas leak or suspect a main or service pipe or equipment is leaking, you **MUST** take the following emergency actions immediately:

- Ask people to move away from the area of the gas escape.
- Call **0800 111 999** immediately.

1. Don't attempt to repair the escape or stop the leakage.
2. As gas may enter buildings, ask people in the surrounding premises to leave until it's safe for them to return.
3. Stop anyone going near the immediate vicinity of the gas escape.
4. Prohibit smoking and extinguish all naked flames.
5. Don't use mobile phones or other ignition sources.
6. Assist our representatives and other emergency services such as the police, ambulance, and fire service as requested.

### Additional reference material

- SGN guidance for Safe Working in the Vicinity of Pipelines & Associated Installations operating >7barg. Applicable for HP only.
- HS(G)47 **Avoiding Danger from Underground Services** available from [hse.gov.uk](http://hse.gov.uk)
- NJUG **Utilities Guidance on Positioning and Colour Coding of Apparatus** available from [njug.org.uk](http://njug.org.uk)







# Making an enquiry for gas mains or services maps

Please visit our **Dig safely** pages on [sgn.co.uk](http://sgn.co.uk) for plant protection information and links to our online mapping system and other associated information and guidance.

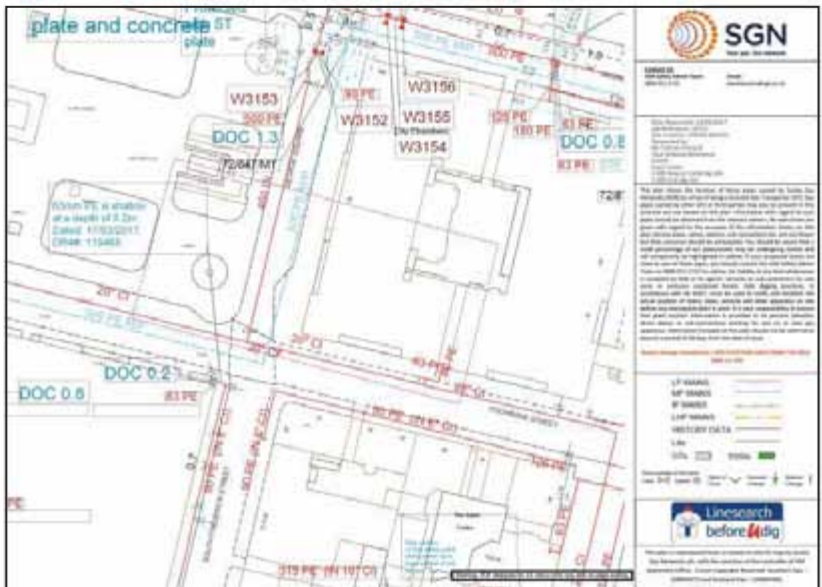
Our simple and easy to use online mapping system is available 24/7, 365 days a year.

You'll need to register/log in and provide a few details about your site location and the work you'll be carrying out. We'll respond immediately by email.

## What you're likely to be sent

You'll be sent an email with a map. This will be an extract from our gas mains record, showing your site and any of our gas pipes as well as relevant safety information.

We always send out safety information, however we may forward your enquiry on to a local plant protection officer or a pipelines engineer to make direct contact with you depending on the work location.



Example of a gas map

Note: Service pipes are not shown on our maps



# When working near our gas mains and services

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## Safe system of work

To satisfy ourselves that work in the vicinity of our gas mains is being carried out safely, we may ask for a copy of your risk assessment and/or method statement paperwork.

Where work falls under the Construction (Design and Management) Regulations 2015 reference to our gas mains and services MUST be made within your site Health and Safety file.

---

## Financial

Every reasonable precaution MUST be taken to avoid personal injury or damage to our gas network at all times.

If we incur any costs to repair direct or consequential damage or divert any gas main or service, you'll be recharged in full.

## HSE

Any damage to our gas mains or services will be subject to legislative reporting responsibilities to the Health and Safety Executive under Reporting of Injuries, Diseases & Dangerous Occurrences Regulations 2013, Gas Safety Management Regulations 1996, and the Pipelines Safety Regulations 1996.

## Minimum safe working distances

Depending on the activity being undertaken and the gas mains or services you are working within the vicinity of, there are different safe distances that MUST be adhered to. SGN plant protection officers or pipeline engineers will inform you of these if required.

## Surface boxes and manholes

Do not bury or move our surface boxes. Free access MUST be maintained during and after your work. No manhole cover or other structure can be built over, around or under a gas main, and no work is to be carried out that results in a reduction or increase in cover or protection without prior written agreement.

## Deep excavations

Adequate protection, approved by us, MUST be applied for any deep excavations in the vicinity of our gas mains and services that may affect its security and integrity. Ground movement around gas mains MUST be prevented. We MUST be contacted if a sewer trench or any other water authority is to be constructed at greater than 1.5 metres depth near a buried gas main or service pipe. You MUST give us detailed drawings showing the line and width of the proposed sewer or other trench, together with the soil group classification of the area concerned.



## Crossing our mains or services

The placing of heavy construction plant, equipment, materials or the passage of heavy vehicles over our gas mains is prohibited unless specifically agreed protective measures (ie the construction of reinforced crossing points) have been carried out. This is particularly important where reductions in side support or ground cover are planned. You **MUST NOT** carry out any work in servitudes/easements without our prior written consent.

## Exposed plant

Where excavations in the vicinity of our gas mains affect its support, the plant **MUST** be adequately supported and protected in consultation with us and to our satisfaction. It **MUST** be protected from impact, restraints and thrust blocks, and supports **MUST NOT** be removed without our agreement.

## Hot work

One of our representatives should be present when welding or other hot work involving naked flames is being carried out near our gas mains, as there's potential for heat damage to plastic pipeline/coatings.

## Backfilling

Concrete backfill should not be placed closer than 300mm to our mains. No concrete or hard material should be placed under or adjacent to any of our gas mains. Shuttering MUST be constructed to maintain the stated clearances and prevent fresh concrete encasing our mains or services. Material used for backfill around our gas mains MUST conform to the following:

- If sand, it MUST be well-graded in accordance with BS EN 12620:2002.
- It MUST NOT contain any sharp particles (stones, bricks, lumps or corrosive materials).
- Foamed concrete MUST NOT be used.
- It MUST be laid to a minimum depth of 250mm above the crown of the gas main.

Note: Power ramming MUST NOT take place until a 300mm hand rammed layer has been completed over the crown of the main.

## Access





Free access to our sites, mains and services, including temporary structures and spoil heaps MUST be available at all times.





## Mechanical excavation

Mechanical excavators (including breaker attachments) MUST NOT be used within the following distances from the confirmed location of our gas mains and services shown on our gas maps without prior agreement:

Type of mains and services	Gas map identification	Hand excavation required inside	Pipe pressure indication shown on map
Low Pressure (LP)	0 - 75mbar	0.5 metres	
Medium Pressure (MP)	75mbar to 2 bar	0.5 metres	
Intermediate Pressure (IP)	2 - 7 bar	3.0 metres	
High Pressure (HP)	Above 7 bar	You must seek approval from us prior to any work	



# Major accident hazard pipelines

## High pressure pipeline

**No work is to take place near an HP pipeline until it is agreed with us.** After agreement and before any work does take place, the location of our pipeline **MUST** be marked up and its position confirmed by digging trial holes with our personnel in attendance.



Pipeline markers

## High pressure

We will be involved in any work taking place near high pressure pipelines. We will provide you with additional information that you **MUST** familiarise yourself with before carrying out any work.

**The default method of excavating near high pressure gas pipelines MUST always be by hand.**



## Wind turbines

The UK Onshore Pipelines Operations Association (UKOPA) has identified the appropriate exclusion zone (distance from the base of the wind turbine mast to the edge of the pipeline) as 1.5 times the turbine height. Contact MUST be made with us during the planning stages of a wind turbine or wind farm.





# Tree planting

If trees or shrubs are to be planted in the vicinity of our gas mains and services, the selection of tree or shrub type and how it's planted **MUST** be considered carefully. This is to avoid root damage to buried mains or services, and to ensure our subsequent excavations for main repair and maintenance won't damage the trees or shrubs.

Written approval from us **MUST** be obtained before any tree planting is carried out on a servitude/easement. Any approval we grant to plant trees

The following trees and those of similar size (deciduous or evergreen) **MUST NOT** be planted within 6m of the centre line of the main: ash, beech, birch, most conifers, elm, maple, lime, horse chestnut, oak, and sycamore. Apple and pear trees are also included in this category.

Dwarf apple stocks may be planted up to 3m of the centre line of the main.



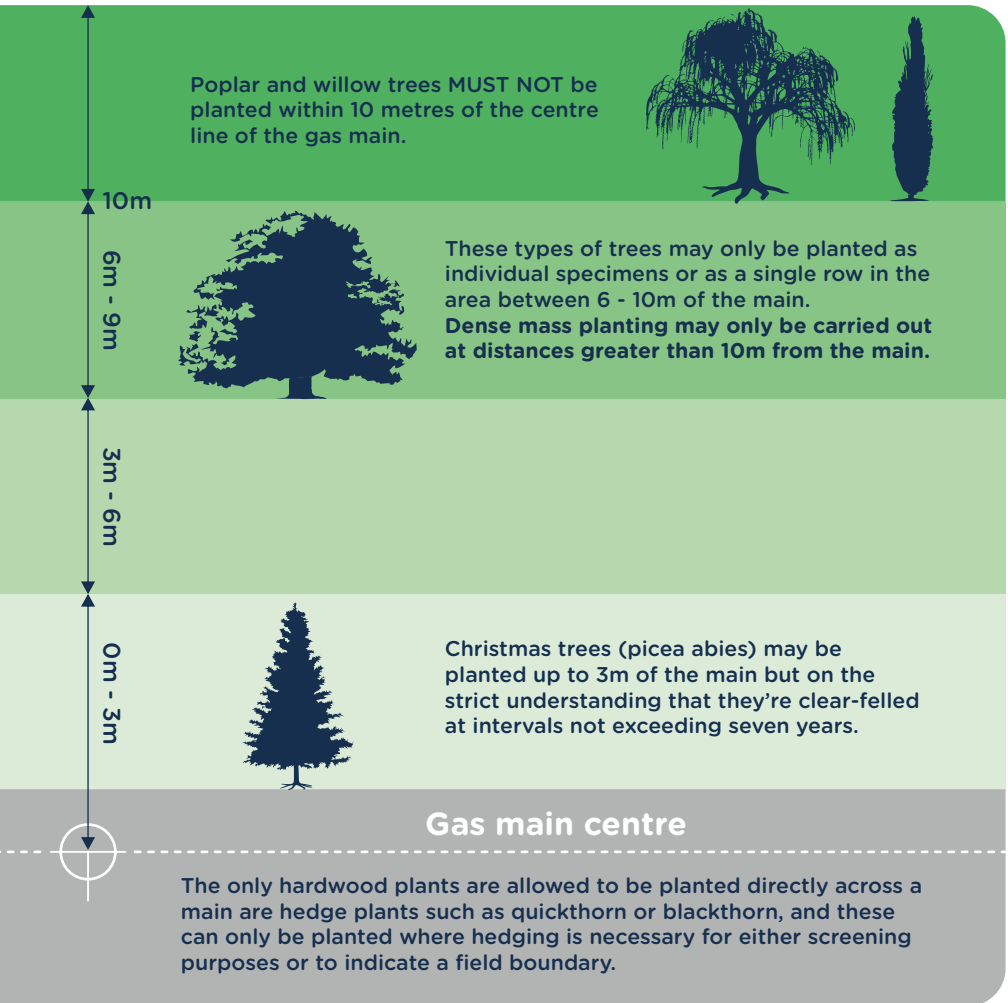
In cases where screening is required, the following are shallow rooting and may be planted close to the gas mains and services: blackthorn, broom, cotoneaster, elder, hazel, laurel, quickthorn, privet, snowberry and most ornamental shrubs.

## Gas main centre

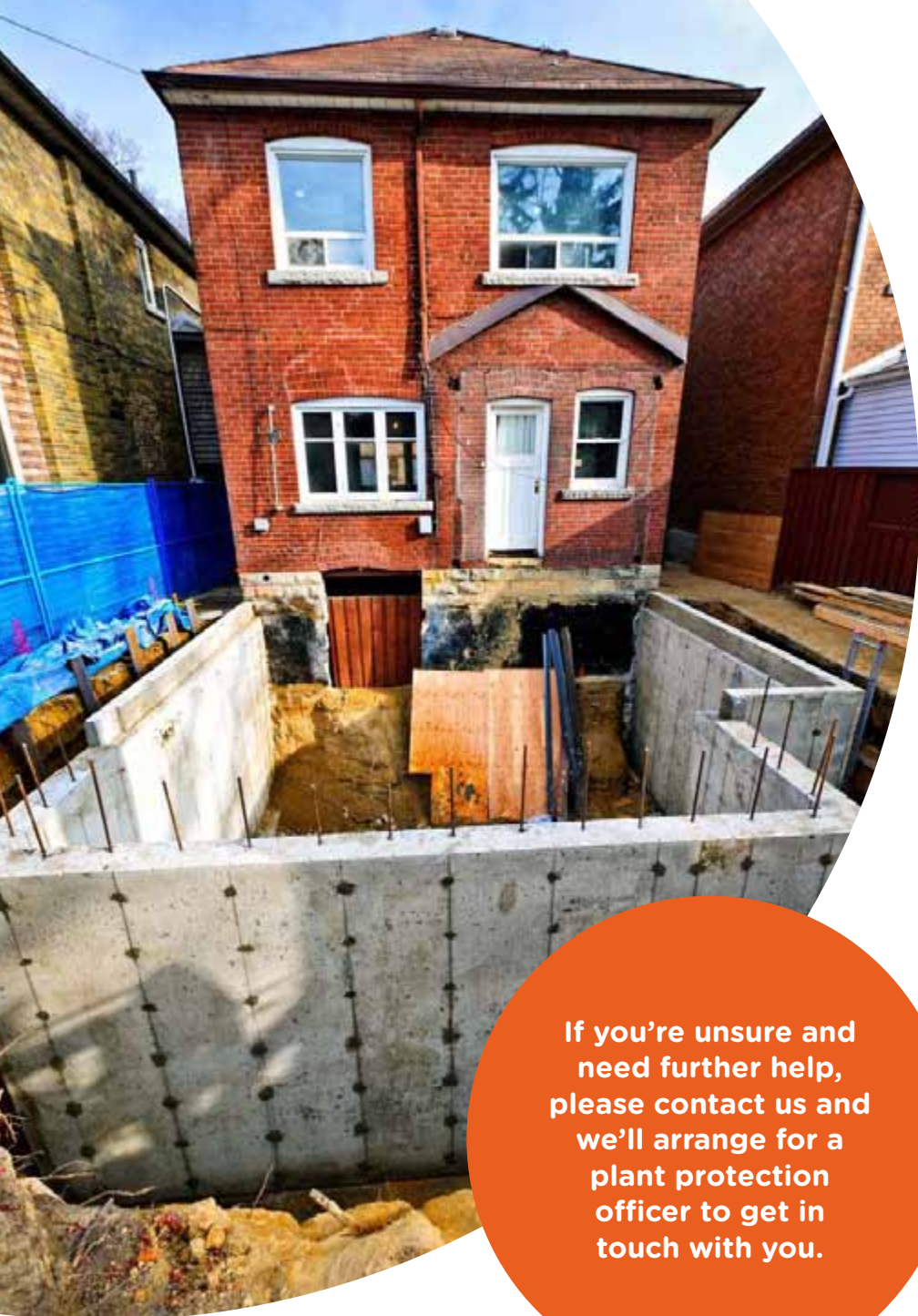
Raspberries, gooseberries and blackcurrants may be planted on the gas main, but a four metre strip, centred on the main, **MUST** be left clear at all times.

on a servitude/easement will be subject to us retaining the right to remove any tree, which in our opinion may become a danger to our mains in the future.

The written consent to plant trees will state what area may be planted and also the type of tree. The diagram details the specific species and the distances they **MUST** be planted from gas mains or services. You **MUST** contact us for further information.



Note: For further guidance, please refer to NJUG 10.

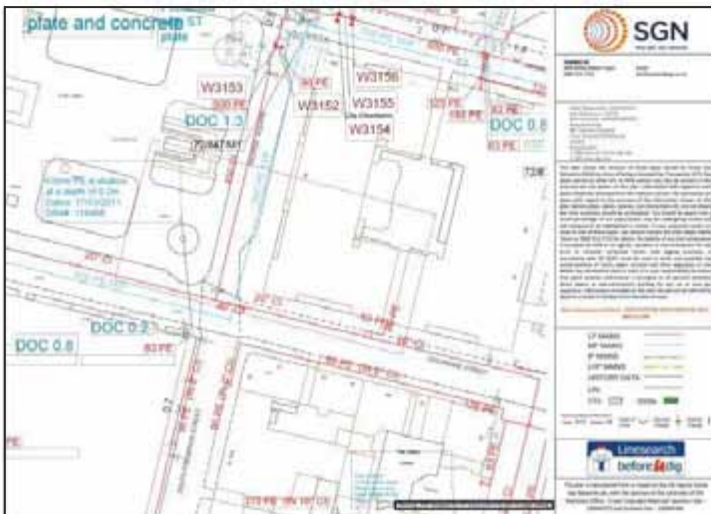


**If you're unsure and need further help, please contact us and we'll arrange for a plant protection officer to get in touch with you.**

# Gas services/work in gardens

If you're going to be carrying out work around your home, or a third party is carrying out work on your behalf, we may send you a site map of our gas mains and services but your own gas service won't be marked.

The simplest way to understand the location of your gas service is to know where it enters your house.



< Your gas service pipe usually takes the shortest route to the gas main, as shown on the sample network map/drawing.



We provide a free plant location enquiry service and we're always happy to help.



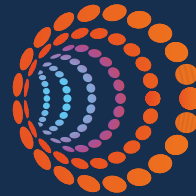
Visit our **Dig safely** pages on [sgn.co.uk](https://www.sgn.co.uk)



**0800 912 1722** \*

\*All calls are recorded and may be monitored





**SGN**

Your gas. Our network.

**Know what's below**

Protecting you and your family



## Protecting you and your family

Are you planning on carrying out any home improvements such as building a conservatory, an extension, a new pond, decking, concreting, landscaping, fencing or planting trees in your garden? You must make sure you have drawings/maps showing any pipes or cables around your home. To obtain copies of our gas drawings/maps please visit our **Dig safely** pages on [sgn.co.uk](http://sgn.co.uk) and follow the link to our online system.

**This service is free of charge.**

Our Dig safely page is also where you'll find advice on any protective measures you may need to take before you start work, whether you're planning on doing it yourself or hiring a professional.

Damaging gas pipes is dangerous and could lead to a fire or an explosion. It could also cause large-scale loss of gas supply to the local community and is potentially very expensive.



## Responsibilities

It's the responsibility of whoever is doing the work to make sure they've complied with the relevant legislation and Health and Safety Executive (HSE) guidance.

In practice, this means anyone carrying out work must obtain a copy of any available colour drawings showing the position of buried utilities for reference before and during the project.

### Non-recording of service pipes >

Individual service pipes are not normally recorded on gas network drawings. This is accepted practice and reinforced by guidance given in Design, construction and installation of service pipes – approved code of practice, published by the HSE, and IGE/TD/4 – Gas Services, published by the Institute of Gas Engineers and Managers.

## What you need to do when planning a conservatory or house extension, landscaping, fencing or any other groundworks

**It's the responsibility of whoever is undertaking the work to check with utility companies before the work starts.**

If you're planning any building or digging work remember that gas pipes, power cables, water pipes and sewers all run underground and could be right beneath your feet. Construction or excavation work can damage underground services or prevent further maintenance.

Remember that obtaining planning permission or a building warrant from your local authority doesn't normally involve consultation with utility companies so you should get in touch with them when you start planning your project. This will help keep everyone safe.

Please visit our **Dig safely** pages on [sgn.co.uk](http://sgn.co.uk) for more information and our online mapping system.



< Service entry

## Gas services/work in gardens

If you're going to be carrying out work around your home, or a third party is carrying out work on your behalf and you have requested a map from us, **your own gas service may not be marked**. The simplest way to understand the location of your gas service is to know where it enters your house, as pictured.

Your gas service pipe usually takes the shortest route to the gas main, as shown on the sample network map/drawing above.

If you're unsure and need further help, please contact us and we'll arrange for a Plant Protection officer to contact you.





Any damage, however minor, must be reported to the National Gas Emergency Service

## Planting a tree or landscaping your garden

### Tree roots can damage utilities.

If you're planting trees or shrubs, make sure you consider the type of plant, root type and their location in relation to buried gas pipes to avoid any damage. We may need access to repair and maintain our pipes and equipment in the future, and we reserve the right to remove any tree or bush if we need to.

## What happens if you damage a pipe?

### If you damage a gas pipe:

- Call the National Gas Emergency Service on 0800 111 999 immediately
- **DON'T** attempt to make repairs yourself
- **DON'T** handle or attempt to alter the position of the exposed pipe

### Damaging a gas pipe can result in:

- Major fire/explosion leading to death or serious injury
- Asphyxiation due to gas exposure leading to death or serious injury
- Loss of gas supply to individuals or communities
- Financial costs to you for repair and remedial work
- Enforcement action by the HSE

We will recover all reasonable costs incurred in repairing damaged gas pipes.

# Delivering gas safely, reliably and efficiently

## Your safety is our top priority

We manage the network that distributes natural and green gas to over 5.9 million customers in Scotland and the south of England.

We own and operate 74,000km of gas mains, and associated plant and equipment. We're committed to delivering gas safely, reliably and efficiently to every one of our customers.

Accidental damage to our pipes could put you or members of the public at risk.



Service entry



All our engineers and contractors carry a photo ID card with our company logo on it. Don't be afraid to check with our Security team on **0800 015 5170** that the person on your property is supposed to be there.



Meter box

# Help

If you're planning any work on or around your property and you need more information, you'll find everything you need on our Dig Safely pages.



[sgn.co.uk](http://sgn.co.uk)



0800 912 1722

**Smell gas? 0800 111 999**

## Follow these six steps if you smell gas:



DO open windows and doors to help ventilate the gas



DO turn off the gas supply at the meter and make sure any gas appliances are turned off



DO call the National Gas Emergency number on 0800 111 999. Lines are open 24 hours a day, 365 days a year



DON'T smoke or use any naked flames









































DON'T touch any electrical switches. Turning a switch on or off could ignite a gas leak



DON'T enter a cellar if you smell gas, even if your gas meter is located in the cellar

Map Symbols

						
VALVE OPEN	VALVE CLOSED	GOVERNOR	END CLOSURE	SYPHON	REDUCER	TEE
						
TEST POINT	CATHODIC PROTECTION	GENERAL REFERENCE	FLOW MEASURE	DIP POINT	MONO ETHYLENE GLYCOL	OILING POINT
						
FLOW STOP	PRESSURE MEASUREMENT	STAND PIPE	OFFICIAL MINISTRY RECORD	PURGE POINT	GAS CONDITIONER	DRAIN POINT
						
SKETCH BUBBLE	DEPTH OF COVER	METER	MATERIAL CHANGE	LP MAINS	MP MAINS	IP MAINS
						
PIG TRAP	CROSSOVER CONNECTION	CHANGE OF DIAMETER	PIPE JOINT	LHP MAINS	HISTORY DATA	SSSI
						
				GTs	CONTACT ZONE	LTS



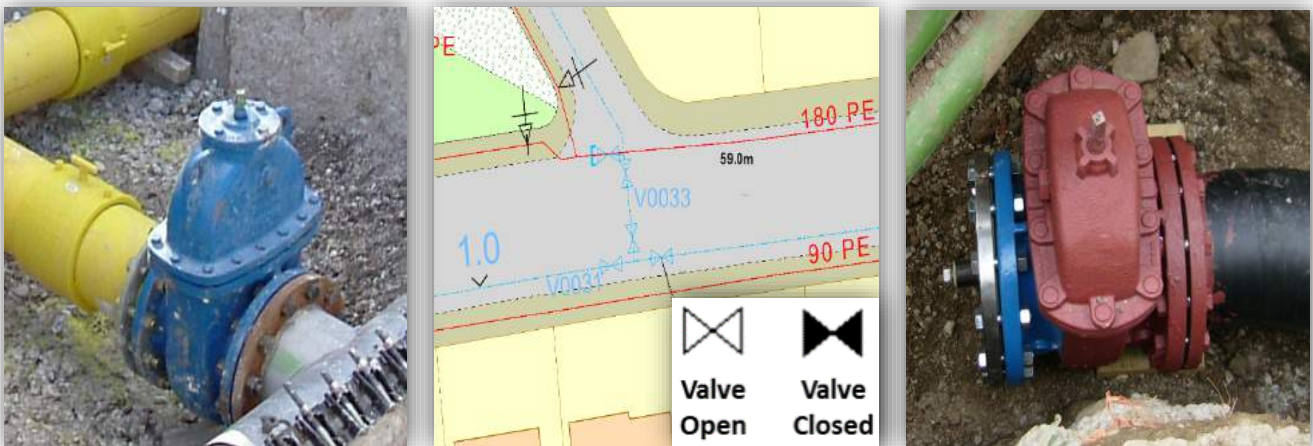
## Guidance when undertaking work near gas valves in our network areas

SGN manages the network that distributes gas to 5.8 million homes and businesses across Scotland and the south of England.

Due to a manufacturing issue, we are currently replacing or upgrading certain valve types that are at risk of bolt failure. In extreme cases, this can lead to gas escapes. This is a safety hazard and we have produced this guide to ensure you undertake adequate safety precautions when working near gas valves.

## Identifying gas valves

The images below are an illustration of typical gas valves. Please note, valves come in various colours, shapes and sizes, and you may come across a valve that looks different to those found in the images.



## What should you do?

When planning to work in our network areas, please observe the following points:

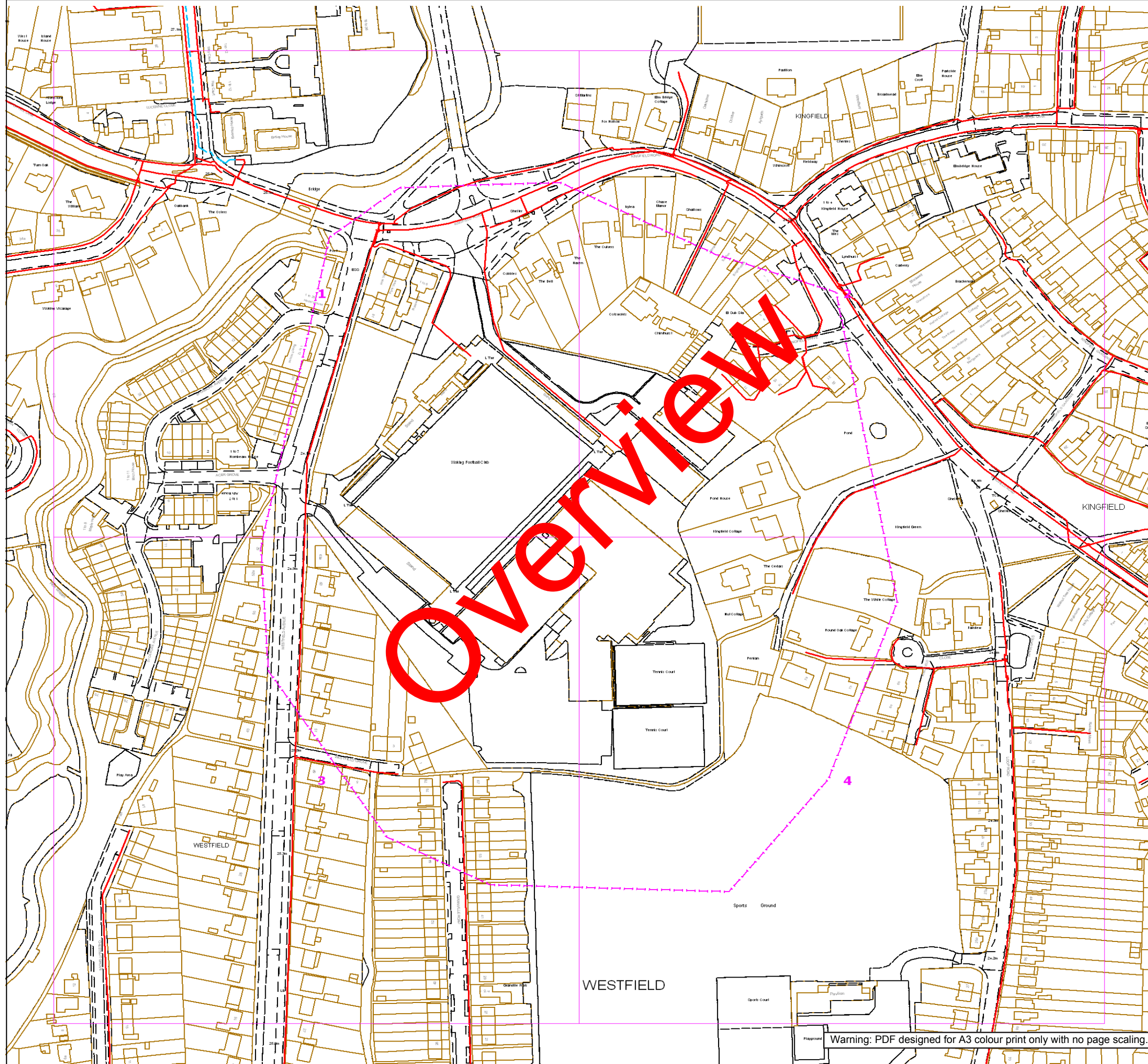
1. You must contact us before starting any work activity within **3.0m** of a gas valve identified on our maps.
2. If an unexpected gas valve is exposed you must immediately stop excavation works and report this to us.
3. To protect yourself against the risks associated with exposing a valve, we advise that you contact us when in doubt.

## Contact details

If you require further information or need assistance please contact us:

Safety Admin Team: **0800 912 1722**  
[plantlocation@sgn.co.uk](mailto:plantlocation@sgn.co.uk)

Valve enquiries will be forwarded to a local engineer who will provide further safety information.



**Contact Us**  
**Mapping Enquiries:** All areas  
**General Enquiries:** All areas

Date Requested: 20/02/2019  
 Job Reference: 14788941  
 Site Location: 500607 157302  
 Requested by:  
 Mr Joe Shawyer  
 Your Scheme/Reference:  
 23397

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. 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 plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

**Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA**  
 0800 111 999

Low Pressure Mains	
Medium Pressure Mains	
Intermediate Pressure Mains	
High Pressure Mains	
LAs	
GTs	

Some Examples Of Plant Items

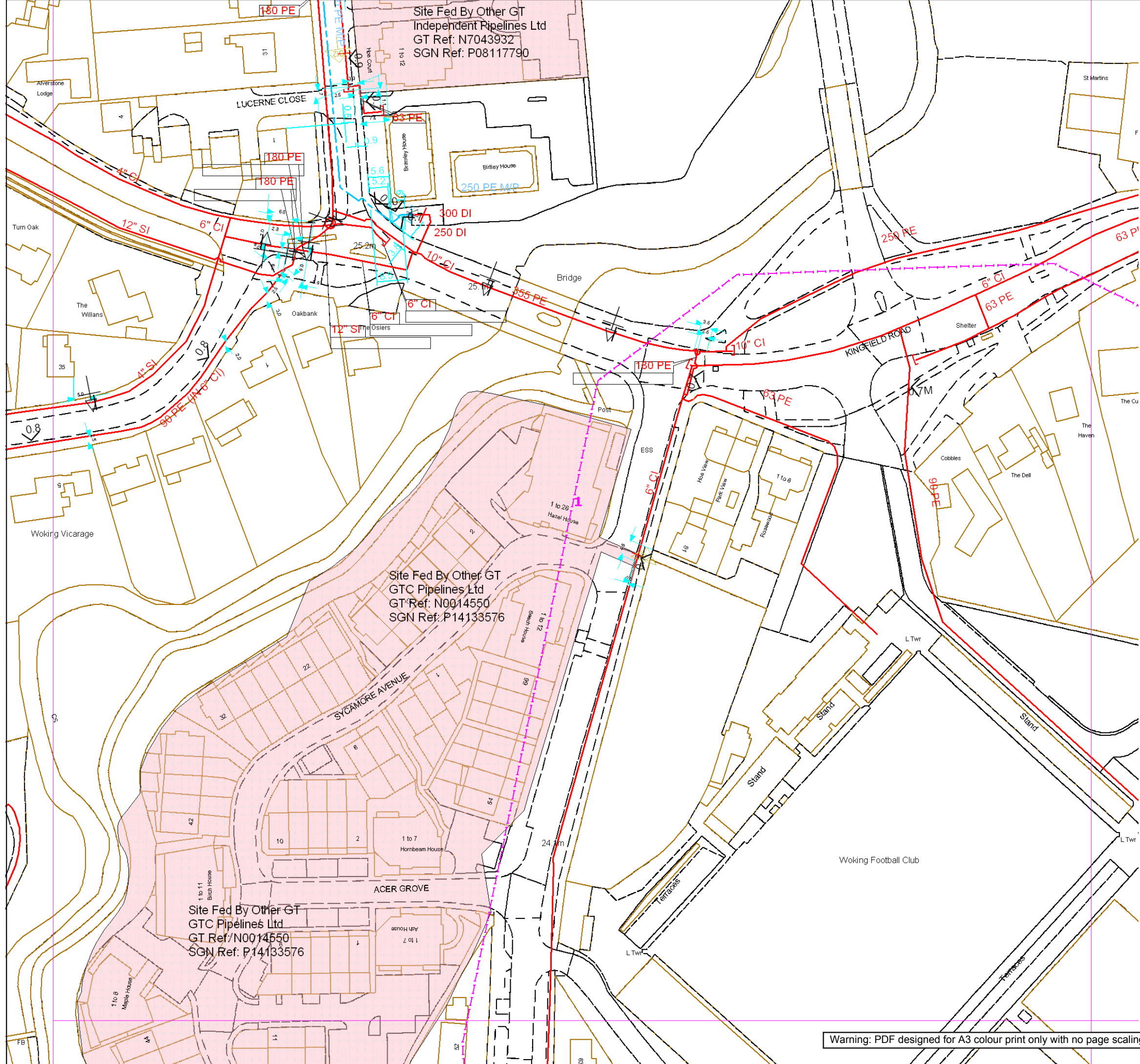
Valve		Syphon		Depth of Cover		Diameter Change		Material Change	
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Digsite: Line: Area:



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**Contact Us**  
**Mapping Enquiries:** All areas  
**General Enquiries:** All areas

Date Requested: 20/02/2019  
 Job Reference: 14788941  
 Site Location: 500607 157302  
 Requested by: Mr Joe Shawyer  
 Your Scheme/Reference: 23397  
 Exact Scales:  
 1:1000 Area or Circle dig site  
 1:1000 Line dig site

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Medium Pressure Mains	
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LAs	
GTs	

Some Examples Of Plant Items

Valve		Syphon		Depth of Cover		Diameter Change		Material Change	
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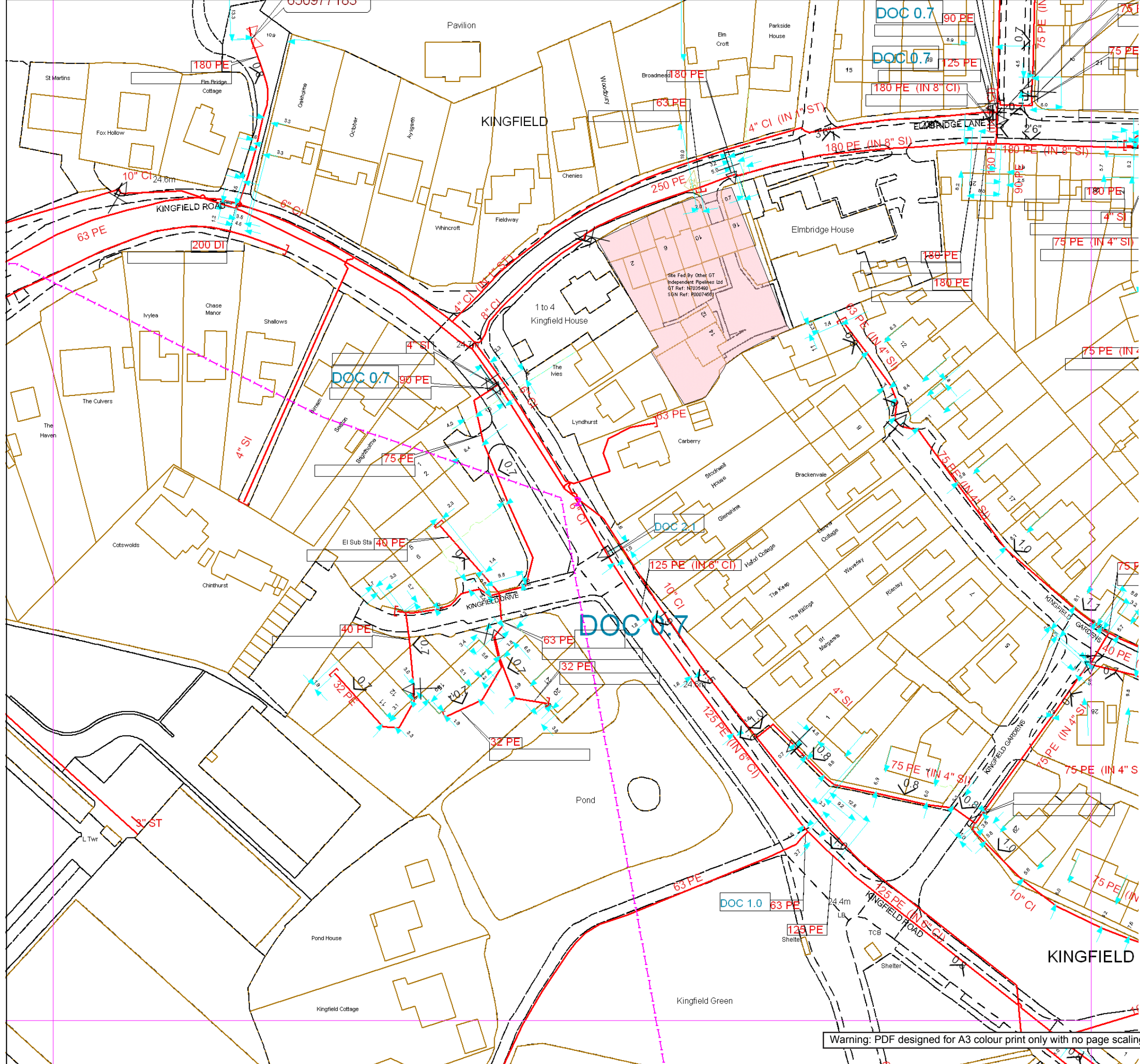
Digsite: Line: Area:



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**Low Pressure Mains** ————  
**Medium Pressure Mains** - - - -  
**Intermediate Pressure Mains** - . - . - .  
**High Pressure Mains** - . - . - . - . - .  
**LAs** ————  
**GTs** [Pink Box] **SSSIs** [Green Box]

Some Examples Of Plant Items  
 Valve [Symbol] Syphon [Symbol] Depth of Cover [Symbol] Diameter Change [Symbol] Material Change [Symbol]

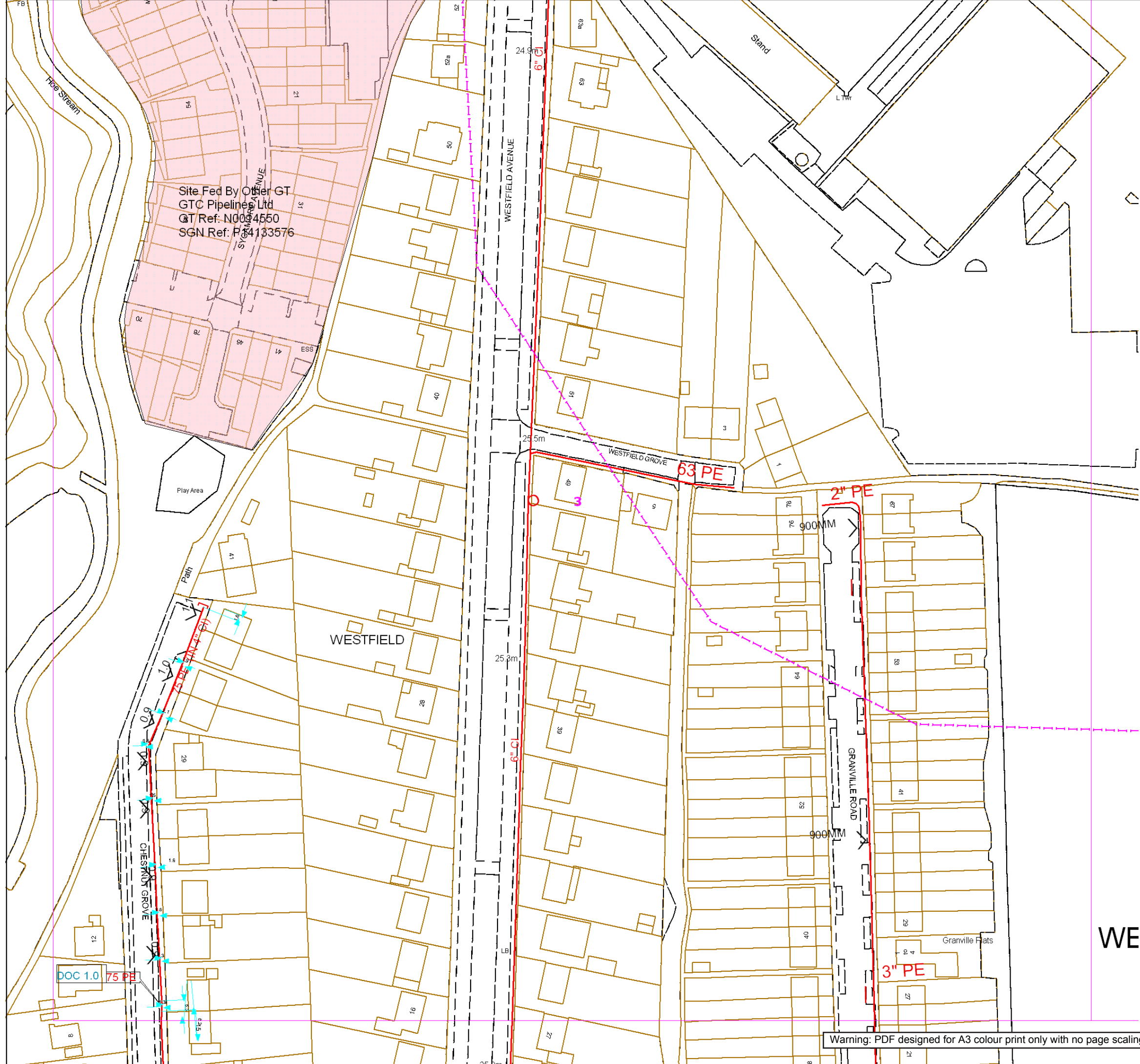
Digsite: Line: [Dashed Line] Area: [Dotted Line]



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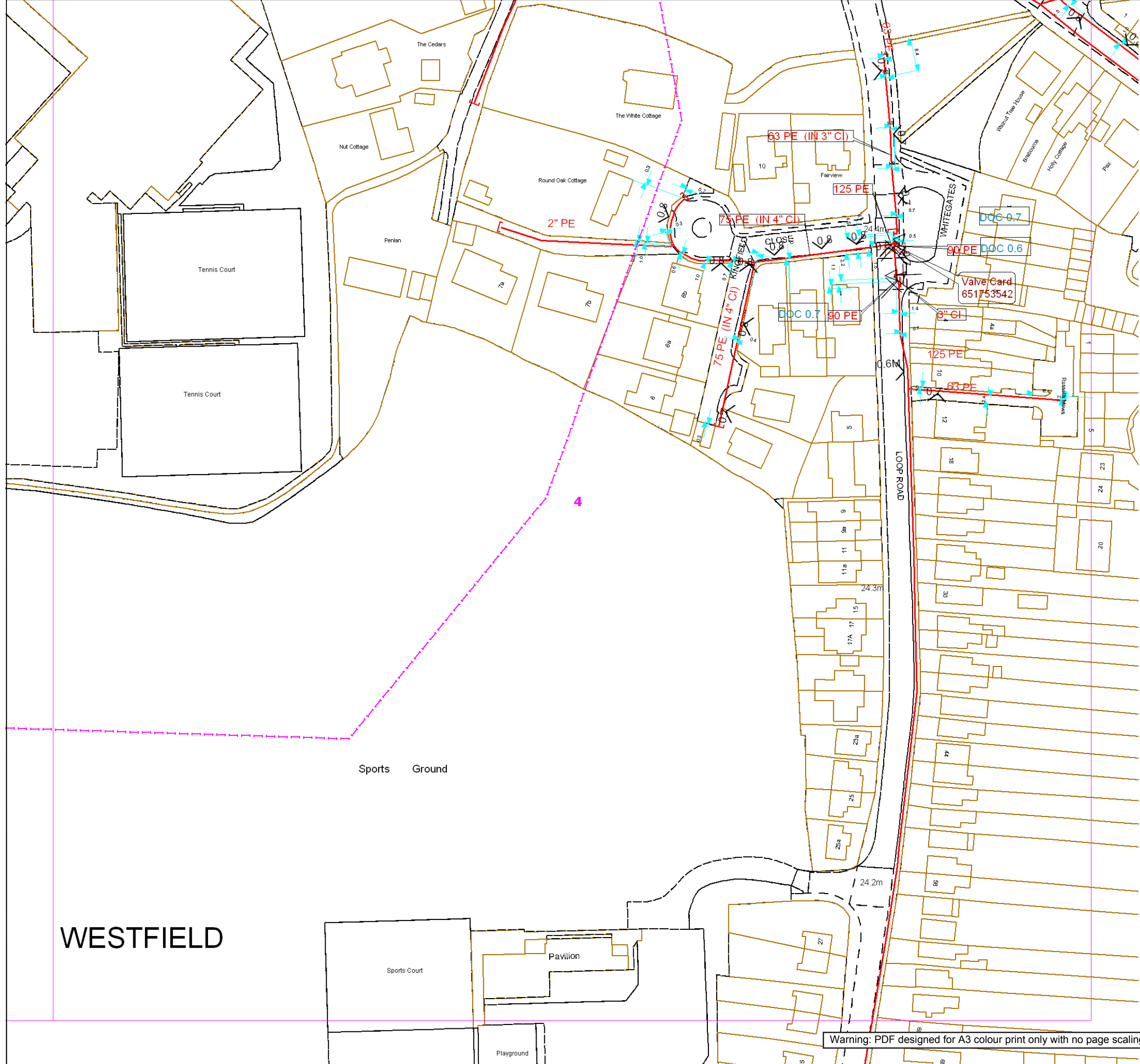
Some Examples Of Plant Items  
 Valve Syphon Depth of Cover Diameter Change Material Change

Digsite: Line: Area:



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WESTFIELD





NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID	<div style="border: 1px solid black; padding: 5px; text-align: center; margin-bottom: 10px;"> <b>WARNING</b> </div> <p>There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive - Avoiding Danger from Buried Cables - should be consulted before commencing excavation work. (available from the HSE)</p> <p>WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)</p>	<small>BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.</small>														
<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">services</td> <td style="text-align: left;">l.v.</td> <td style="text-align: left;">h.v.</td> <td style="text-align: left;">e.h.v.</td> </tr> <tr> <td>FOOTPATH</td> <td>0.40m</td> <td>0.45m</td> <td>0.60m 0.75m</td> </tr> <tr> <td>ROAD CROSSING</td> <td>0.60m</td> <td>0.60m</td> <td>0.75m 0.90m</td> </tr> </table>		services	l.v.	h.v.	e.h.v.	FOOTPATH	0.40m	0.45m	0.60m 0.75m	ROAD CROSSING	0.60m	0.60m	0.75m 0.90m	<small>This copy has been made by or with the authority of Southern Electric Power Distribution plc. pursuant to section 47 of the Copyright, Designs and Patents Act 1988 ('the Act'). Unless the Act provides a relevant exception to copyright, the copy must not be copied without the prior permission of the copyright owner.</small> <small>Template: SIAS MRSWA COL A5 plot</small>	hv_1250_500	Grid Ref: tq00585730
services		l.v.	h.v.	e.h.v.												
FOOTPATH		0.40m	0.45m	0.60m 0.75m												
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l.v./services	- up to 1000V.															
h.v.	- over 1000V. to 11,000V.															
e.h.v.	- 22,000V. to 132,000V.															
	<b>UNCONTROLLED COPY</b> Subject to Revision Master held at		Date: 20/02/2019 HV													



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		services	l.v.	h.v.	e.h.v.														
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## Watch it!

### Safety advice brought to you by Scottish and Southern Electricity Networks

These notes are intended to help all those who have to work in the vicinity of electrical apparatus. Employers have a legal obligation to ensure that their operatives are fully instructed in the correct procedures.

**The Electricity at Work Regulations 1989** impose health and safety requirements upon employers, employees and self-employed persons with respect to electricity at work. The regulations impose restrictions on persons being engaged in work activities on or near live conductors.

**Regulation 14 requires that:** "No person shall be engaged in any work activity on or near any live conductor (other than one suitably covered with insulating material so as to prevent danger) that danger may arise unless:

- ◆ it is **unreasonable** in all circumstances for it to be dead; and
- ◆ it is **reasonable** in all circumstances for him to be at work on or near it while it is live; and
- ◆ suitable precautions (including where necessary the provision of suitable protective equipment) are taken to prevent injury."

The purpose of the regulations is to require precautions to be taken against the risk of death or personal injury from electricity in work activities.

### Publications

The Health and Safety Executive have produced a document entitled 'Avoiding Danger from Underground Services', and the Appendix 1 deals specifically with electric cables. Copies are available from the HSE's Accredited Agents and good booksellers, Ref. HS (G) 47.

Copies of Health and Safety Guidance note GS 6 relating to safe working in proximity to overhead lines, are available from the Health and Safety Executive's website - [www.hse.gov.uk](http://www.hse.gov.uk).

### Note

**In situations of emergency or danger, or where the advice contained in these notes cannot be followed, you must consult Scottish and Southern Electricity Networks immediately. Tel. 0800 072728 for southern England or 0800 300999 for Scotland.**

**Additional copies of these "Watch it!" leaflets can be obtained from our Asset Data Team office upon request. Tel. 01256 337294, or Fax 01256 337295.**

You must read and accept the following safety notes as part of the contract to receive our network plans. You will have the option to print these and issue them to site staff.

### Watch it! - Working in the vicinity of underground cables

Our plans show the positions and normal depths for the buried cables and pipes at the time when they were installed. However, alterations to road alignments surface levels and buildings may have occurred subsequently without our knowledge. If you discover plant or cables that are not marked or incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our plans.

These plans show the equipment owned by Scottish and Southern Electricity Networks. There may be other privately owned plant in the area, which is outside of our control. You should always check with the Local Authority, National Grid Company, Department of the Environment, other Electricity Companies and other utilities before proceeding.

It is not intended that the issue of these plans will absolve either party from their obligation under any of the acts that control digging in the public highways.

### Supplies To Properties, etc.

The location of cables supplying individual properties, street lighting, traffic signs, telephone kiosks etc. are not always shown on the plans. You should assume that each property, streetlight etc. will have its own supply cable.

### Major Circuits

Where our plans indicate the presence of cables with a voltage exceeding 11,000 volts, you are advised to contact our local depot (telephone number is on the plans), before commencing any excavations within the vicinity of these cables. These major circuits form an extremely important link in Scottish and Southern Electricity Networks' networks, and damaging or modifying these circuits is a major and costly undertaking. Any development should therefore be designed to allow these circuits to remain undisturbed and accessible in their present location.

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below:

- ✓ **do** make sure you have plans of the underground cables in the area **before** any excavation work starts. Remember that some cables may not be shown on plans. If carrying out emergency work, excavate as though there are buried live cables in the vicinity.
- ✓ **do** use a cable locator to determine the position of existing cables in the work area. The positions should be marked and tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- ✓ **do** ask for a cable to be made dead if it is buried in concrete.
- ✓ **do** watch for signs of cables as work progresses. Note any marker-tape or cable-cover, which may be exposed

- ✓ **do** backfill carefully, using stone-free soil around the cables, replacing marker-tapes and / or covers.
- ✓ **do** notify us immediately if you accidentally damage our cables. Arrange to keep people well clear of a cable that has been damaged until we have confirmed it has been made safe.
- ✓ **do** make sure before starting to demolish a building that all cables have been disconnected. We welcome prior notice of the intention to demolish buildings. This enables us to ensure that the site has been made safe electrically.
- ✓ **don't** operate a bulldozer, scraper, dragline or excavator; unless you are satisfied that there are no buried cables in the working area.
- ✓ **don't** use picks, pins, forks or pointed instruments in soft clay or soil when cables are present. Exercise extreme caution where such instruments are used to free lumps of stone, or break up firmly compacted ground. **Never** throw a fork or sharp instrument into the ground.
- ✓ **don't** dig trial holes over the indicated route of the cable. Excavate alongside instead.
- ✓ **don't** use exposed cables as a convenient step or handhold.
- ✓ **don't** handle or attempt to alter the position of any cable.

**Remember** that a damaged cable may cause extensive loss of supplies, make expensive repairs necessary and cause serious or even fatal injury.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make cables dead without interrupting supplies to our customers. But given adequate notice, we will wherever possible, give advice regarding special precautions which may be necessary on any site where particular problems are likely to be encountered. The right is reserved to make a charge for this service.

Electricity cables can exist anywhere - under paths or roads, in gardens or driveways, on new housing or industrial development sites or even farmland.

### **Watch it! - Working in the vicinity of overhead lines**

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below

- ✓ **do** carefully note the position of all overhead lines before commencing work.
- ✓ **do** co-operate with us during planning and sitework stages.
- ✓ **do** follow the advice given in HSE Guidance Note GS 6 when siting barriers, goal posts, bunting etc.
- ✓ **do** keep overhead lines in view when moving scaffolding or machinery and take special care when felling or lopping trees.
- ✓ **do** remember that the raising or slewing of a crane or excavator jib may cause danger when operating near an overhead line.

- ✓ **do** avoid any machinery that is in contact with an overhead line until we confirm that conditions are safe.
- ✓ **do** warn others to keep well clear.
- ✓ **don't** drive a high vehicle below an overhead line when an alternative route is available.
- ✓ **don't** raise the bed of a tipper lorry beneath an overhead line or drive under the line with the body of the vehicle raised.
- ✓ **don't** steady any suspended load until you are satisfied that there is no danger from overhead lines.
- ✓ **don't** handle or use scaffold platforms, poles, pipes or ladders unless they are at a safe distance from overhead lines.
- ✓ **don't** transport long objects beneath overhead lines, unless they are carried in a horizontal position.
- ✓ **don't** approach or touch any broken or fallen overhead lines.

### **Always remember that:**

- Electricity can jump gaps.
- Contact or near contact with a crane jib, scaffold or ladder can cause a discharge of electricity with a risk of fatal or severe shock and burns to any person in the vicinity.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make overhead lines dead without interrupting supplies to customers. However, provided adequate notice is given, then we will, whenever possible, give advice regarding special precautions which may be necessary on site where specific problems may be encountered. The right is reserved to make a charge for this service.

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460 (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 04094290 having its Registered Office at No.1 Forbury Place 43 Forbury Road Reading RG1 3JH which are members of the SSE Group [www.ssen.co.uk](http://www.ssen.co.uk)

# SSE

**Search Reference:** 23397

**Search Date:** 20/02/2019

A search for SSE assets has been carried out via their online mapping system.

On this occasion there does not appear to be any SSE apparatus within the vicinity of your site. Blank tiles, downloaded from the SSE mapping system, have been included to show this.

The SSE Asset Data Team can be contacted by;

Email: [Asset.Data@sse.com](mailto:Asset.Data@sse.com)

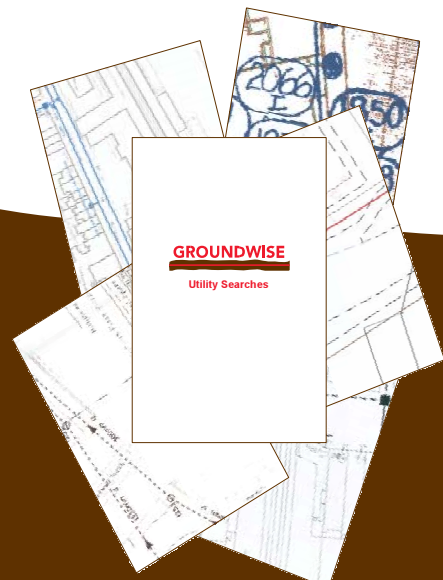
Phone: 01256 337 294

Website: <https://www.ssen.co.uk/ContactUs/>

## Groundwise Searches Limited

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

Telephone 01702 615566  
Fax 01702 460239  
Email [mail@groundwise.com](mailto:mail@groundwise.com)  
Website [www.groundwise.com](http://www.groundwise.com)



## Debbie Miller

---

**From:** marc.zahra@skanska.co.uk on behalf of SURREY.LIGHTINGSERVICES@skanska.co.uk  
**Sent:** 13 February 2019 10:41  
**To:** Debbie Miller  
**Subject:** RE: Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF  
**Attachments:** 23397.pdf

Good morning Debbie,

Thank you for your enquiry.

We can confirm that we do not have any assets within the location identified in the attachment.

Kind Regards,

**Marc Zahra**

Customer Liaison Officer

07785518941

Street Lighting, Infrastructure Services

Croydon & Lewisham PFI, Surrey PFI, and TFL

**Skanska UK**

Hazel House

Merrow Depot

Guildford

Surrey

GU4 7BQ

[skanska.co.uk](http://skanska.co.uk)

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Privileged/Confidential Information may be contained in this message. If you are not the addressee indicated in this message (or responsible for delivery of the message to such person), you may not copy or deliver this message to anyone. In such case, you should notify us immediately, and destroy this message. Skanska UK Plc, Registered Office: Maple Cross House, Denham Way, Maple Cross, Herts. WD3 9SW. Registered in England - Registration Number: 784752

---

**From:** Debbie Miller [mailto:DMiller@groundwise.com]

**Sent:** 08 February 2019 16:12

**To:** IS-[SURREY.LIGHTINGSERVICES] <SURREY.LIGHTINGSERVICES@skanska.co.uk>

**Subject:** FW: Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

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

- **Street Lighting apparatus/cabling**

**Ref: 23397DM**

**Site : Woking Football Club, Woking, GU22 9PF**

**Grid reference: 500588,157301**

**Requests:**



**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,

**Debbie Miller**

Production Researcher  
Groundwise Searches Ltd

**GROUNDWISE**

[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

*This e-mail contains confidential information belonging to the sender which is legally privileged. It is the responsibility of the recipient to ensure that any e-mails or attachments are virus free, as Groundwise Searches Ltd accept no responsibility. Should you not be the intended recipient then any disclosure, copying, distribution or the taking of any action in reliance on the contents of this e-mail is strictly prohibited. If you have received this transmission in error, please notify us immediately, and permanently delete this message.*

*Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU  
Company Registration Number 4130795  
VAT number 769 0642 02*

# GROUNDWISE

## Groundwise Searches Ltd

### Terms & Conditions

#### 1. Definitions

- "Client" means any company or other person or body placing an Order with Groundwise;
- "Equipment" means pipes wires cables and other plant or equipment;
- "Fee" means in relation to a Site of an area not exceeding the Standard Maximum Area the fee for carrying out a Search identified either on Groundwise website (where an Order is placed through the website) or on the Order Form where an Order is placed using an Order Form plus Value Added Tax and in relation to a Site of an area exceeding the Standard Maximum Area shall be such sum as shall be agreed between Groundwise and a Client plus Value Added Tax;
- "Groundwise" means Groundwise Searches Limited;
- "Order" means an order by a Client from Groundwise for the provision of a Search whether placed electronically through Groundwise's website or in paper form using an Order Form;
- "Order Form" means Groundwise's current standard Utility Searches Order Form for placing an order for a Search in hard copy;
- "Report" means a written report in hard copy provided by Groundwise to a Client in response to an Order reflecting the results of Groundwise's enquiries of Utility Companies made on or before the date of the Report;
- "Search" means making enquiries of the Utility Companies likely to have utilised or operated Equipment on a Site, as to the location of any Equipment on that Site following acceptance by Groundwise of an Order, and providing the Client with a Report;
- "Site" means a site identified on a plan submitted with an Order which in relation to any Order placed electronically shall not exceed the Standard Maximum Area;
- "Standard Maximum Area" means an area no greater than 15 hectares or of a length no greater than one kilometre and a width no greater than two hundred metres;
- "Terms of an Order" means in the case of an Order placed electronically the information requested from a Client relating to a Site, the provisions relating to the method of payment, the information contained in or accessed through the tabs appearing on an Order Summary and all other applicable information contained in Groundwise's website and in the case of an Order placed in hard copy means the provisions of a completed Order Form.

#### 2. Agreement

- 2.1 The Terms of an Order together with these Terms and Conditions constitute the terms of a contract ("Contract") between Groundwise and a Client for the carrying out of a Search.
- 2.2 A Contract shall come into effect when Groundwise notifies a Client that it has accepted an Order. Where such notification is by email it shall be deemed to have occurred as soon as Groundwise has sent the email to the Client, where such notification is by letter, upon the posting of the letter to the Client, or where there is a verbal acceptance when Groundwise verbally confirms acceptance of an Order to the Client.

#### 3. Payment and Refunds

- 3.1 Other than in the case of Clients who have set up an account with Groundwise, when placing an Order a Client shall provide Groundwise with credit card details sufficient to enable Groundwise to debit that credit card with the Fee and by such notification and subject to accepting the relevant Order Groundwise is authorised to debit that credit card with the Fee.
- 3.2 In the case of Clients who have an account with Groundwise the Fee shall be paid within 28 days of the acceptance of an Order by Groundwise.
- 3.3 Groundwise shall be entitled to terminate any account set up with it by a Client any time without notice and to require payment in accordance with paragraph 3.1.
- 3.4 Where a Client cancels an Order :
- 3.4.1 within three hours of that Order being accepted by Groundwise, Groundwise shall promptly refund the Fee paid plus Value Added Tax in full, or where no fee has been paid no fee shall be payable;
- 3.4.2 within three days but after the elapse of three hours of an Order being accepted by Groundwise, Groundwise shall promptly refund 50% of the Fee paid plus Value Added Tax or where no fee has been paid 50% of the fee plus Value Added Tax shall be payable and in either such case following such reimbursement or where no payment has been made upon making any payment due the relevant Contract shall terminate without further liability on the part of Groundwise or of the Client.

#### 4. Limitation of Liability

- 4.1 Groundwise shall use its reasonable endeavours to provide a Search within the period referred to in the Order and shall not be liable for any delay arising because of any act omission or delay of any Utility Company.
- 4.2 Without limiting the liability of Groundwise in the case of death or personal injury Groundwise shall have no liability to a Client:
- 4.2.1 for the information contained in a Report to the extent that any errors or omissions reflect the errors or omissions of a Utility Company in providing or omitting to provide information to Groundwise and to the extent that that Utility Company has no liability to Groundwise in relation to the provision of such information, or the omission to provide relevant information;
- 4.2.2 In relation to any Report for loss or damage arising in relation to loss of profits, loss of business, loss of use, or any special indirect consequential or pure economic loss, costs, damages, charges or expenses and subject as earlier provided Groundwise's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation restitution or otherwise in relation to the performance or contemplated performance of the Services shall be limited £5,000,000.00.
- 4.2.3 In the absence of express written agreement to the contrary, Groundwise shall have no liability to any third party for any errors or omissions contained in or omitted from a Report.

#### 5. Copyright

- 5.1 The copyright in the Report is the property of Groundwise and the Report may not be copied or reproduced in whole or in part nor communicated or divulged to any third party without the prior written consent of Groundwise save as set out below.
- 5.2 The Report may, without further charge, be made available to the owner of the Site at the date of the Report, their agents, consultants and professional advisors, any person who purchases the whole of the Site, any person who provides funding secured on the whole of the Site, and prospective buyers of the Site, and any of their respective agents, consultants and professional advisors. The Report may also be published on a local authority planning portal in relation to a proposed development of the site.
- 5.3 The provisions concerning liability in Clause 4 shall apply to any of the third parties mentioned above in the same manner as they do to the Client.

#### 6. Data Protection

In processing any personal data received from a Client or potential Client, Groundwise will comply with its privacy policy a copy of which can be viewed at [address] on its website.

#### 7. Force Majeure

Groundwise will have no liability to the Client if it is prevented from or delayed in performing its obligations under a Contract by acts events omissions or accidents beyond its reasonable control, including strikes, lock-outs and other industrial disputes, failure of a utility service or transport network, act of God, war, riot, civil commotion, malicious damage, compliance with any law or governmental order rule regulation or direction, accident, breakdown of plant or machinery, fire, flood, storm or default of suppliers or sub-contractors.

#### 8. Severance

- 8.1 If any provision or part of any provision in these terms and conditions or of any Contract is found by any court or administrative body of competent jurisdiction to be invalid, unenforceable or illegal, the other provisions will remain force.
- 8.2 If any invalid, unenforceable or illegal provision would be valid, enforceable or legal if some of it were deleted that provision will apply with whatever modification is necessary to make it valid, enforceable and legal.
- 8.3 The parties agree, in the circumstances referred to in paragraph 8.1 above to attempt to substitute for any invalid, unenforceable or illegal provision a valid, enforceable and legal provision which achieves to the greatest extent possible the same effect as would have been achieved by the invalid, unenforceable or illegal provision.

#### 9. Status of Pre-Contractual Statements

Each of the parties acknowledges and agrees that in entering into a Contract it does not rely on any undertaking, promise, assurance, statement, representation, warranty or understanding (whether in writing or not) of any person (whether party to these terms and conditions or not) relating to the subject matter of a Contract, provided that without prejudice to the generality of the foregoing, any revision to the Terms and Conditions agreed in writing by Groundwise and a Client or a potential Client ( including any express written agreement relating to the assignment of copyright or licensing of all or part of the contents of a Report) shall apply to the Contract to which it has been agreed that it will apply.

#### 10. Assignment

A Client shall not, without the prior written consent of Groundwise, assign transfer charge sub-contract or deal in any other matter with any of its rights under a Contract.

#### 11. Third Party Rights

For the purposes of the Contracts (Rights of Third Parties) Act 1999 it is not intended that the rights of either of the parties shall be contractually enforceable by any third party.

#### 12. Governing Law and Jurisdiction

These terms and conditions and any Contract are governing by and construed in accordance with the laws of England and Wales and the parties irrevocably agree that the courts of England and Wales shall have non-exclusive jurisdiction to settle any dispute or claim that arises out of or in connection with these terms and conditions or any Contract

# Asset location search



## Property Searches

Groundwise Searches Ltd  
Suite 8 Chichester House  
45 Chichester Road  
SOUTHEND ON SEA  
SS1 2JU

**Search address supplied**      Woking Football Club  
Woking  
GU22 9PF

**Your reference**                      23397DM

**Our reference**                        ALS/ALS Standard/2019\_3949961

**Search date**                         8 February 2019

### Keeping you up-to-date

#### Notification of Price Changes

From 1 September 2018 Thames Water Property Searches will be increasing the price of its Asset Location Search in line with RPI at 3.23%.

For further details on the price increase please visit our website: [www.thameswater-propertysearches.co.uk](http://www.thameswater-propertysearches.co.uk)  
Please note that any orders received with a higher payment prior to the 1 September 2018 will be non-refundable.



Thames Water Utilities Ltd  
Property Searches, PO Box 3189, Slough SL1 4WW  
DX 151280 Slough 13



[searches@thameswater.co.uk](mailto:searches@thameswater.co.uk)  
[www.thameswater-propertysearches.co.uk](http://www.thameswater-propertysearches.co.uk)



0845 070 9148





**Search address supplied:** Woking Football Club, Woking, GU22 9PF

Dear Sir / Madam

**An Asset Location Search is recommended when undertaking a site development.** It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This search provides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

## Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0845 070 9148, or use the address below:

Thames Water Utilities Ltd  
Property Searches  
PO Box 3189  
Slough  
SL1 4WW

Email: [searches@thameswater.co.uk](mailto:searches@thameswater.co.uk)

Web: [www.thameswater-propertysearches.co.uk](http://www.thameswater-propertysearches.co.uk)

## Waste Water Services

**Please provide a copy extract from the public sewer map.**

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended these details be checked with the developer.

## Clean Water Services

**Please provide a copy extract from the public water main map.**

With regard to the fresh water supply, this site falls within the boundary of another water company. For more information, please redirect your enquiry to the following address:

Affinity Water Ltd  
Tamblin Way  
Hatfield  
AL10 9EZ  
Tel: 0845 7823333

# Asset location search



# Property Searches

For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

## **Payment for this Search**

A charge will be added to your suppliers account.

## Further contacts:

### Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre on Tel: 0845 920 0800. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, budget estimates, diversions, building over issues or any other questions regarding operational issues please direct them to our service desk. Which can be contacted by writing to:

Developer Services (Waste Water)  
Thames Water  
Clearwater Court  
Vastern Road  
Reading  
RG1 8DB

Tel: 0800 009 3921  
Email: [developer.services@thameswater.co.uk](mailto:developer.services@thameswater.co.uk)

### Clean Water queries

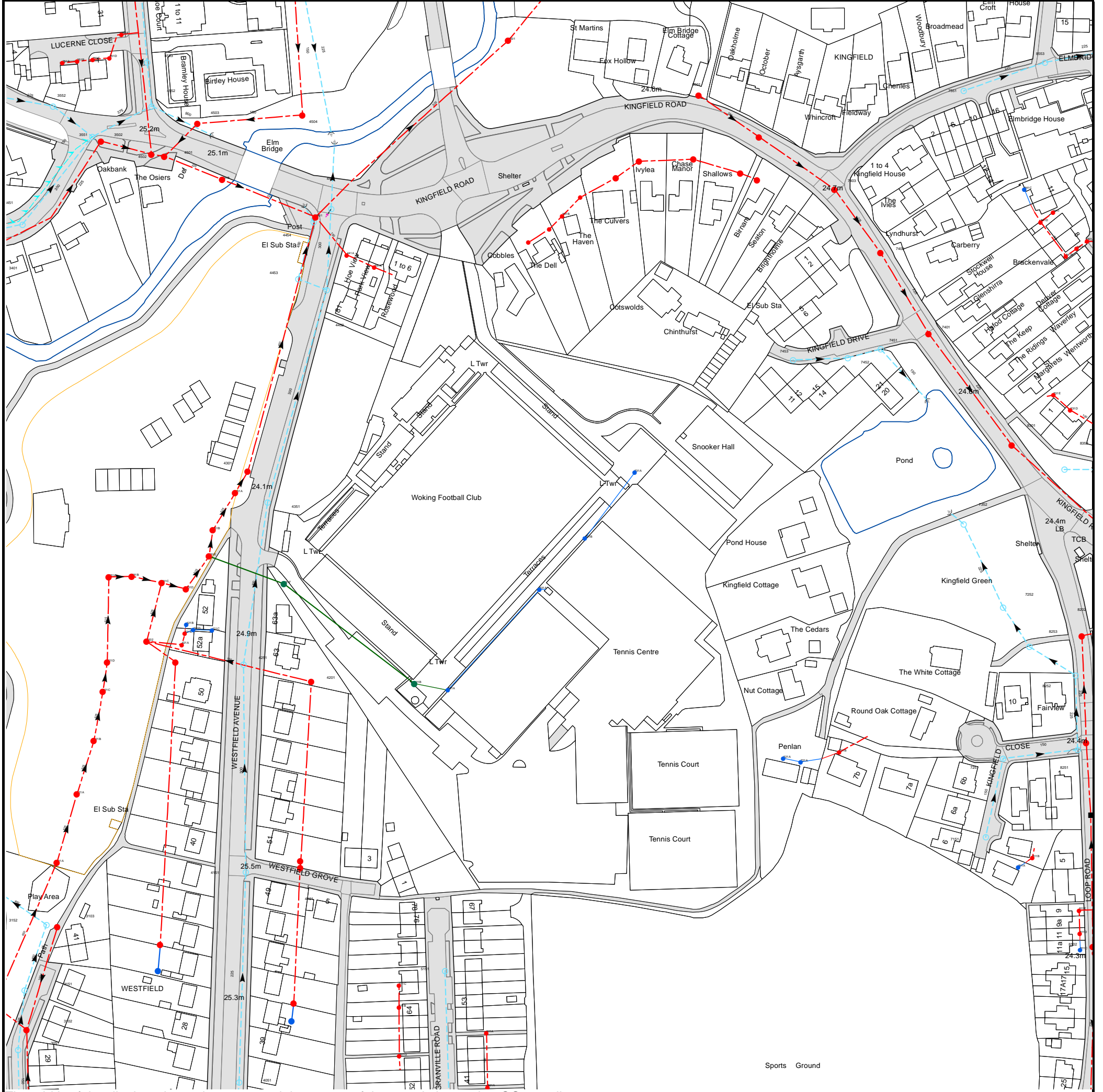
Should you require any advice concerning clean water operational issues or clean water connections, please contact:

Developer Services (Clean Water)  
Thames Water  
Clearwater Court  
Vastern Road  
Reading  
RG1 8DB

Tel: 0800 009 3921  
Email: [developer.services@thameswater.co.uk](mailto:developer.services@thameswater.co.uk)



Asset Location Search Sewer Map - ALS/ALS Standard/2019 3949961



The width of the displayed area is 500 m and the centre of the map is located at OS coordinates 500591,157325

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
621A	n/a	n/a
7453	25.11	24.33
721A	n/a	n/a
721B	n/a	n/a
7452	24.98	24.22
7451	24.85	24.15
7402	24.82	23.15
7401	24.66	23.04
7352	24	23.54
7252	24.11	23.55
7251	24.61	24.14
8301	24.49	n/a
8253	24.32	23.6
831E	n/a	n/a
8352	24.24	23.27
841E	n/a	n/a
831D	n/a	n/a
8252	24.57	23.71
8251	24.49	23.81
8202	24.66	n/a
8203	24.43	n/a
831C	n/a	n/a
841F	n/a	n/a
841G	n/a	n/a
841D	n/a	n/a
841I	n/a	n/a
841C	n/a	n/a
7403	24.83	23.26
6405	n/a	n/a
6404	n/a	n/a
6502	n/a	n/a
651A	n/a	n/a
6501	24.57	23.99
7551	n/a	n/a
8553	24.14	22.79
431E	25.526	21.147
421C	n/a	n/a
431B	24.798	21.127
441B	n/a	n/a
431A	24.52	21.12
4301	24.37	21.17
4351	24.31	23.14
431F	n/a	n/a
4453	24.31	22.84
4504	n/a	n/a
4454	n/a	n/a
4401	24.87	21.345
4452	24.29	22.87
4451	24.58	22.72
441A	n/a	n/a
541A	n/a	n/a
5501	24.4	20.81
5401	n/a	n/a
531A	n/a	n/a
5402	n/a	n/a
541B	n/a	n/a
6401	n/a	n/a
631B	n/a	n/a
6402	n/a	n/a
631A	n/a	n/a
6403	n/a	n/a
321B	25.567	21.377
4202	25.73	21.15
421E	n/a	n/a
421D	n/a	n/a
421B	n/a	n/a
431D	25.347	21.175
431C	25.554	21.205
331A	25.963	21.268
331B	25.824	21.247
3451	26.55	24.36
4501	25.27	21.96
4502	25.44	22.05
3502	25.45	22.3
3551	25.46	22.96
4503	25.35	22.68
3552	26.05	n/a
4552	25.45	22.42
351A	n/a	n/a
4553	26.1	23.13
351B	n/a	n/a
351C	n/a	n/a
351D	n/a	n/a
351E	n/a	n/a
3051	21.79	20.74
3151	n/a	n/a
3102	24.76	23.29
3152	22.86	21.6
311A	25.774	21.473
3103	24.62	23.88
8101	24.35	n/a



















Manhole Reference	Manhole Cover Level	Manhole Invert Level
811C	n/a	n/a
8102	24.37	23.13
811D	n/a	n/a
811E	n/a	n/a
811A	44.85	44.115
811B	n/a	n/a
7151	24.89	24.41
501A	n/a	n/a
4051	25.53	24.23
511A	n/a	n/a
41ZS	n/a	n/a
511B	n/a	n/a
41ZR	n/a	n/a
511C	n/a	n/a
5151	25.77	24.83
41ZW	n/a	n/a
41ZV	n/a	n/a
4151	25.43	n/a
4101	25.33	23.81
41ZT	n/a	n/a
321A	25.914	21.421
321C	25.643	21.341
521A	n/a	n/a
521B	n/a	n/a
4201	n/a	n/a
4251	24.98	23.4
321D	25.738	21.32
42ZY	n/a	n/a
421A	n/a	n/a

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.








# ALS Sewer Map Key

## Public Sewer Types (Operated & Maintained by Thames Water)

-  **Foul:** A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
-  **Surface Water:** A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
-  **Combined:** A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
-  **Trunk Surface Water**
-  **Trunk Foul**
-  **Storm Relief**
-  **Trunk Combined**
-  **Vent Pipe**
-  **Bio-solids (Sludge)**
-  **Proposed Thames Surface Water Sewer**
-  **Proposed Thames Water Foul Sewer**
-  **Gallery**
-  **Foul Rising Main**
-  **Surface Water Rising Main**
-  **Combined Rising Main**
-  **Sludge Rising Main**
-  **Proposed Thames Water Rising Main**
-  **Vacuum**





## Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

-  Air Valve
-  Dam Chase
-  Fitting
-  Meter
-  Vent Column




## Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

-  Control Valve
-  Drop Pipe
-  Ancillary
-  Weir






## End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

-  Outfall
-  Undefined End
-  Inlet






## Other Symbols

Symbols used on maps which do not fall under other general categories








-  /  Public/Private Pumping Station
-  Change of characteristic indicator (C.O.C.I.)
-  Invert Level
-  Summit

### Areas

Lines denoting areas of underground surveys, etc.

-  Agreement
-  Operational Site
-  Chamber
-  Tunnel
-  Conduit Bridge

## Other Sewer Types (Not Operated or Maintained by Thames Water)

-  Foul Sewer
-  Surface Water Sewer
-  Combined Sewer
-  Gully
-  Culverted Watercourse
-  Proposed
-  Abandoned Sewer

### Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.
- 6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0845 070 9148.



## Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
5. In case of dispute TWUL's terms and conditions shall apply.
6. Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to her at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

## Ways to pay your bill

Credit Card	BACS Payment	Telephone Banking	Cheque
Call <b>0845 070 9148</b> quoting your invoice number starting CBA or ADS / OSS	Account number <b>90478703</b> Sort code <b>60-00-01</b> A remittance advice must be sent to: <b>Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW.</b> or email <a href="mailto:ps.billing@thameswater.co.uk">ps.billing@thameswater.co.uk</a>	By calling your bank and quoting: Account number <b>90478703</b> Sort code <b>60-00-01</b> and your invoice number	Made payable to ' <b>Thames Water Utilities Ltd</b> ' Write your Thames Water account number on the back. Send to: <b>Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW</b> or by DX to <b>151280 Slough 13</b>

Thames Water Utilities Ltd Registered in England & Wales No. 2366661 Registered Office Clearwater Court, Vastern Rd, Reading, Berks, RG1 8DB.

## Terms and Conditions

### Search Code



#### **IMPORTANT CONSUMER PROTECTION INFORMATION**

This search has been produced by Thames Water Property Searches, Clearwater Court, Vastern Road, Reading RG1 8DB, which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

#### **The Search Code:**

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

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

#### **The Code's core principles**

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

#### **Complaints**

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

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

#### **TPOs Contact Details**

The Property Ombudsman scheme  
Milford House  
43-55 Milford Street  
Salisbury  
Wiltshire SP1 2BP  
Tel: 01722 333306  
Fax: 01722 332296  
Web site: [www.tpos.co.uk](http://www.tpos.co.uk)  
Email: [admin@tpos.co.uk](mailto:admin@tpos.co.uk)

You can get more information about the PCCB from [www.propertycodes.org.uk](http://www.propertycodes.org.uk)

**PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE**

## Debbie Miller

---

**From:** TM Plant Enquiries <plantenquiries@trafficmaster.co.uk>  
**Sent:** 21 February 2019 09:28  
**To:** Debbie Miller  
**Subject:** RE: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Our ref:** Damian Sweeney TEL: 01234759112 or 07712129249

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

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

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

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

Yours sincerely  
For & on Behalf of  
Trafficmaster Ltd

**Infrastructure Maintenance**  
[plantenquiries@trafficmaster.co.uk](mailto:plantenquiries@trafficmaster.co.uk)

---

**From:** Debbie Miller <DMiller@groundwise.com>  
**Sent:** 08 February 2019 16:11  
**To:** plantenquiries@energetics-uk.com; osm.enquiries@atkinglobal.com; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; interoute.enquiries@plancast.co.uk; plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com; NRSWA@bskyb.com; OPBuriedServicesEnquiries@networkrail.co.uk; TM Plant Enquiries <plantenquiries@trafficmaster.co.uk>; mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk  
**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref: 23397DM**  
**Site : Woking Football Club, Woking, GU22 9PF**  
**Grid reference: 500588,157301**  
**Requests:**

**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.



# Network Records NetMAP Symbols Booklet - South East England

**Version 1.2**

Released October 2010

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

(i)

## Index:-

Page no:	Contents:
1	Guidance notes.
2	The area covered by this guide.
3	<u>1:500 (&amp; 1:1250) view</u>
	Scenery.
4	Scenery (UK Power Networks use only).
7	Primary distribution line route (EHV).
8	Secondary distribution cables (HV/LV).
9	Secondary distribution cable terminology.
12	Cable ducts.
13	Poles.
14	EHV, HV and LV sites.
15	Joints.
16	Street furniture
17	Miscellaneous.
18	Connectivity.
19	Abbreviations.
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23	Primary distribution line route.
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27	Switch types.
28	<u>1:10000 view</u> (UK Power Networks use only).
	Notes.
29	Secondary distribution cables.
30	Primary and secondary sites.

(ii)



## Guidance notes.

### **Important notice:**

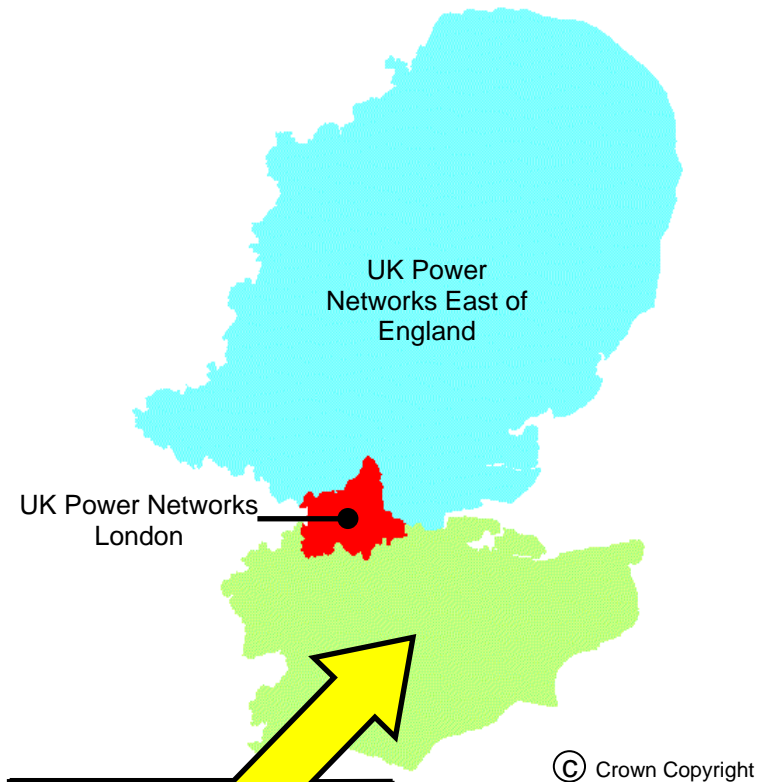
If you do not understand the NetMAP record that you are using, please contact the UK Power Networks Network Records team for guidance on  
**Tel: 08000 565866.**

- The position of apparatus shown on NetMAP is believed to be correct, but the original landmarks may have altered since the apparatus was installed.
- It must be assumed that there is at least one service to each property, lamp column, street sign etc.
- Third party cables are not usually shown.
- When viewed in black and white, the line-style indicates the voltage.
- All LV cables are 4 core and all HV cables are 3 core – unless otherwise stated.
- All cables are copper – unless otherwise stated.



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

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







### **UK Power Networks South East England.**








This is the only area  
where this booklet  
applies

# 1:500 (& 1:1250) view

## Scenery








NetMAP system	Description
	Secondary buildings and fence lines
	Building line
	Kerb line
	UK Power Networks / SPN licence boundary (not visible unless selected)

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









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

section continued on next page




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

NetMAP system	Description
	Historical - Scheduled Monuments (only visible to UK Power Networks and their immediate contractors)
	Historical - Parks and Gardens (only visible to UK Power Networks and their immediate contractors)
	Historical - Areas of Archaeological Potential (AAP) (only visible to UK Power Networks and their immediate contractors)
	Nature - Ramsar Wetlands of International Importance (only visible to UK Power Networks and their immediate contractors)
	Nature - Special Area of Conservation (SAC) (only visible to UK Power Networks and their immediate contractors)
	Nature - Special Protected Area (SPA) (only visible to UK Power Networks and their immediate contractors)
	Nature - Site of Special and Scientific Interest (SSSI) (only visible to UK Power Networks and their immediate contractors)
<b>section continued on next page</b>	














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

NetMAP system	Description
	Nature - Local Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Nature - National Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Nature - Area of Outstanding Natural Beauty (AONB) (only visible to UK Power Networks and their immediate contractors)
	Nature - National Park (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - very high sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - high sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - medium sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - low sensitivity (only visible to UK Power Networks and their immediate contractors)

### Primary distribution line route (1:500 view)

NetMAP system	Description
	275–400kV National Grid route
	132kV cable route
	33kV cable route
Approximate routes only – see separate record	

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

NetMAP system	Description
	11kV underground cable
	11kV overhead line
	6.6kV underground cable
	6.6kV overhead line
	<6.6kV underground cable
	<6.6kV overhead line
	LV underground cable
	LV overhead line
	Pilot cable
	LV street lighting (pl)
	Service overhead line
	Service underground
	Logical service connection



## Secondary distribution cable terminology (1:500 view)

### HV underground

sta (no text)	PILCSTA (paper insulated lead covered steel tape armour)
XLPE	PILCSWA (paper insulated lead covered steel wire armour)
bcs	XLPE (cross linked polyethylene) insulation
scs	CAS (corrugated aluminium sheath) belted construction
ua	CAS (corrugated aluminium sheath) with screened cores
c/c	PILC (paper insulated lead covered) unarmoured
Poly	Concentric cores
BOTES	Poly (polyethylene) insulation
of	BOTES – Board of Trade earth screen
33 kV design	Oil filled
ax	Constructed to 33 kV specification
cx	Triplex with aluminium conductor
	Triplex with copper conductor

### HV overhead

(no text)	Bare open wire
pvc	Open wire PVC covered
cat	ABC (aerial bundled or bunched conductor) with supporting strain wire
+ew	Open wire with extra earth conductor
ccc	Compact covered conductor

### Overhead line materials

sca	Steel cored aluminium
cc	Cadmium copper
st	Steel
sil	Simalec
ccs	Copper covered steel
cpl	Compactal

section continued on next page

## Secondary distribution cable terminology continued (1:500 view)

### LV underground mains and services

W	Waveform
We	Waveform with separate earth wire
H	Hybrid – copper neutral with aluminium phase conductor
He	Hybrid with separate earth wire
ua	PILC (paper insulated lead covered) unarmoured
(no text)	PILC (paper insulated lead covered) with/without armour
XLPE	XLPE (cross linked polyethylene) insulation
DISTR1	PISTA (paper insulated steel tape armour) 4c SAC (solid aluminium core) with lead covered neutral
c/c	Concentric cores
s/c	Split concentric with separated neutral and earth wires
CONSAC	Paper insulated aluminium sheathed 3 core with solid aluminium cores
vb	Vulcanised bitumen/rubber insulation
Capothene	Capothene core insulation
tby	Tape braid and yarn
swa	PILSWA (paper insulated lead steel wire armour)
sac	PILSTA (paper insulated steel tape armour) solid aluminium core
Solidal	4 sector SAC with solid aluminium cores
LSF	Low smoke and fume (orange cable)
Trough	Cable laid in filled trough

### LV overhead mains and services

(no text)	Bare open wire
ABC	Aerial bundled (or bunched) conductor
cat	ABC (aerial bundled or bunched conductor) with supporting strain wire
pvc	PVC covered open wire
c/c	Concentric cores
H	Hybrid – copper neutral with aluminium phase conductor
ue	Under eaves – hessian covered lead cable
vir	Vulcanised India rubber insulation

section continued on next page

**Secondary distribution cable terminology continued**  
(1:500 view)









Various annotation	
.1	Cable size (sq. inches)
185	Cable size (sq. millimetres)
a	Aluminium
ITC	Instrument traced cable or ITC - cable traced electronically using Cable Avoidance Tool (CAT) or similar













**Cable ducts (1:500 view)**








NetMAP system	Description
<p>Extent of Ducts</p> <p>2 x 125 pvc</p> <p>A or 746345</p> <p>A or 746345</p> <p>LV</p> <p>0.5m</p> <p>95ax</p>	<p>Duct 2 way</p> <p>Duct 1 way (no text)</p> <p>Spare duct</p> <p>Cross section arrow</p> <p>Cross section showing: duct, tile depth, tile, single LV cable and HV Triplex cable</p>







**Duct materials**

(no text) pvc st asb fbr wi cp t/e	<p>Earthenware</p> <p>PVC</p> <p>Steel</p> <p>Asbestos</p> <p>Fibre</p> <p>Iron</p> <p>Concrete pipe</p> <p>Trenchless excavation</p>
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
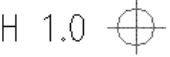
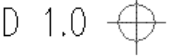



Poles (1:500 view)	
NetMAP system	Description
(S) 999999 	Section pole Pole number (unique) Single leg
	H pole
	3 member
	4 member
	Strut
	Pole support (stay)
	Flying stay
	Tower 33kV to 400kV




EHV, HV and LV sites (1:500 view)	
NetMAP system	Description
Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)	
	Ground mounted primary substation showing name, transformer voltage and SPENS number
	Pole mounted substation showing name and SPENS number
	Ground mounted substation showing name and SPENS number
	2 way link box
	4 way link box
	Link box without busbar
	(options similar to 1:2500 view) LV distribution pillar
	Voltage regulator
	Voltage balancer
	Open point
	Open point - out of phase
	Overhead open point
Note: For LV linking, use the 1:2500 view	

Joints (1:500 view)	
NetMAP system	Description
	Straight (same for HV)
	Pot end (same for HV)
	Branch (same for HV)
	Sleeve repair
	Capped end
	Service to LV main
	Under eaves service
<div style="border: 1px solid black; padding: 5px; width: fit-content;">           □            .1 .15 □            R - R            Y - B            B - Y         </div>	Jointing phase drawing

Street furniture (1:500 view)	
NetMAP system	Description
	Pole mounted street light
	Street light Zebra crossing Road sign
	Bollard Pelican crossing Traffic controller Advertising sign Amplifier station
	Control cubicle <u>Text displayed/description</u>
	Pay and display Bus shelter TBS Kiosk
	Water meter PL pillar TCB Unknown



Miscellaneous (1:500 view)	
NetMAP system	Description
       	<p>Underground chamber or draw pit</p> <p>Earth conductor</p> <p>Earth pin</p> <p>Height marker</p> <p>Depth marker</p> <p>Supply point</p> <p>Missing data in or near this location</p> <p>Contaminated land reference</p>

Connectivity (1:500 view)	
NetMAP system	Description
  	<p>Edge node</p> <p>Node</p> <p>Connector</p> <p>Pole termination (nothing visible unless selected)</p>
<p>Edge nodes, nodes, connectors and pole termination joints may not appear on screen unless turned on and selected.</p>	

### Abbreviations (1:500 view)

NetMAP system	Description
NR	No record
SU	Size unknown
AB	Abandoned
(M)	PME available
V05	Year LV linking verified
MS	Milestone
MP	Marker post
pmt	Pole mounted transformer
pl	Public lighting
TBS	Temporary builder's supply
TCB	Telephone call box
CET	Cable electronically traced
IT	Instrument traced (same as CET)
CAT	Cable avoidance tool (same as CET)
+sl	Street lighting
+sw	Switch wire
2c	2 core
PESL	Public Electricity Supply License
Added	Supplied by SPN
Excluded	Not supplied by SPN
IIP	Assumed open point
VSxxxx	Vacant site
CB	Callender box

### Cable phasing (1:500 view)

<u>Old core colours</u>	<u>Shown on map</u>	<u>New core colours</u>
Neutral	Neutral	Neutral
Red	R	L1
Yellow	Y	L2
Blue	B	L3

Note:- Scott is a different phasing system

**Operational status colours (1:500 view)**

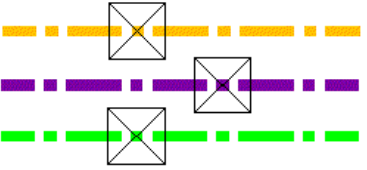
PROPOSAL ———— Symbols and cables appear in ORANGE  
OUT OF SERVICE ———— Cable and joints appear in BLACK  
ABANDONED ———— Cables and joints appear in GREY

**1:2500 view - for UK Power Networks use only - boxed red**






**Notes**

1. No underground HV cables are shown on the 1:2500 view
2. Poles and joint details are similar to the 1:500 view
3. For cable/line information refer to the 1:500 view

**Primary distribution line route (1:2500 view)**



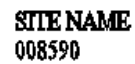
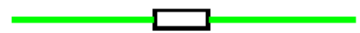

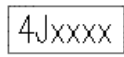
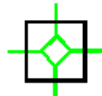
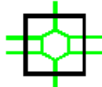

NetMAP system	Description
	<p>275–400kV National Grid route</p> <p>132kV cable route</p> <p>33kV cable route</p>

**Secondary distribution cables (1:2500 view)**

NetMAP system	Description
	<p>11kV overhead line</p>
	<p>6.6kV overhead line</p>
	<p>&lt;6.6kV overhead line</p>
	<p>LV underground cable</p>
	<p>LV overhead line</p>









### Primary and secondary sites (1:2500 view)

NetMAP system	Description
Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)	
	Ground mounted substation showing capacity, phase, name and SPENS number
	Pole mounted substation showing capacity, phase, name and SPENS number
	Primary substation showing name and SPENS number (no site shown)
	2 way link box
	4 way link box
	Link box identifier
	4 way link box without busbar
	6 way link box without busbar
	8 way link box without busbar

section continued on next page

### Primary and secondary sites continued (1:2500 view)

NetMAP system	Description
	LV distribution pillar
	Voltage regulator
	Voltage balancer
	Open point
	Open point - out of phase
	Earth pin

### Switch types (1:2500 view)







NetMAP system	Description
ABSD	Air brake switch disconnecter
A/R	Auto recloser
A/S	Sectionaliser
FUSE	Fuse
S/D	Surge diverter
PF	Pathfinder
ASL	Automatic sectionalising links
PMR	Pole mounted recloser
PMS	Pole mounted sectionaliser
GVR	Gas vacuum recloser

### 1:10000 view - for UK Power Networks use only - boxed red











#### Notes

1. No EHV cables/overhead lines shown on 1:10000 view.
2. For congested areas print at 1:5000.
3. HV site used instead of branch joint on 1:10000 for connectivity purposes. The site is not displayed until it is selected.

## Secondary distribution cables (1:10000 view)

NetMAP system	Description
	11kV underground cable
	6.6kV underground cable
	<6.6kV underground cable
	11kV overhead line
	6.6kV overhead line
	<6.6kV overhead line

## Primary and secondary sites (1:10000 view)

NetMAP system	Description		
Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)			
<table border="1"> <tr> <td>SITE NAME 008590</td> <td></td> </tr> </table>	SITE NAME 008590		Primary substation showing name and SPENS number
SITE NAME 008590			
SITE NAME 521234			
SITE NAME 524514			
SITE NAME 523634			
SITE NAME pmt 527522			
SITE NAME pmt 525743			
SITE NAME pmt 526543			
SITE NAME 527238			



**Think**  
before you...



**DIG UNDER GROUND**





# THINK . . .

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



## THE DANGER

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



## WHO IS AT RISK?

People in construction, demolition, agriculture, infrastructure or anywhere else where excavation is taking place. That is why it is vital everyone working on or visiting a working site is fully aware of the hazards and the steps that must be taken to avoid them.



## HOW INCIDENTS HAPPEN

Sadly, accidents where excavators, breakers or other tools make contact with power cables are not uncommon. Where equipment or machinery is used near underground cables the risk must be considered and controlled in the interests of everyone.

# **THINK AHEAD**

Get the basics right. Familiarise yourself with the site. Mark the route of underground cables running across the site on all plans circulated to staff. Find out if the work could be carried out away from the cables, or avoided all together.

UK Power Networks is committed to safety and actively encourages anyone undertaking work to contact us in advance for advice and free cable locating maps.

These will help you avoid our underground cables during your work, which is vital for your safety as well as ensuring we can provide a reliable supply of electricity.

For free maps and advice call **0800 056 5866** or write to:

Plan Provision

UK Power Networks

Fore Hamlet

Ipswich

IP3 8AA

[plans@ukpowernetworks.co.uk](mailto:plans@ukpowernetworks.co.uk)

We can advise you on what steps to take if essential work is necessary close to underground cables and help ensure safe working practises are implemented.

Good management reduces the risk of accidents. With proper planning and control, workers should not come into contact with underground cables.

If excavation work forms a part of your day-to-day activities obtain a copy of the Health & Safety Executive's Guidance Note "Avoiding Danger from Underground Services" HSG47, which is free to download from the HSE's website - **[www.hse.gov.uk/pubns/priced/hsg47.pdf](http://www.hse.gov.uk/pubns/priced/hsg47.pdf)**



# WHAT TO DO

- **Have cable drawings and records on site**, know how to read them and check them before starting work. Be aware that not all cables may be shown on the records.
- **Look around for anything in the vicinity** that would have an electricity service, such as street lights, CCTV cameras, phone boxes, etc. as well as the more obvious things like houses and industrial units.
- **Always** use a cable avoidance tool (CAT) to survey the entire site before digging commences. Once found, mark cable positions with spray paint or similar. Do not forget to use encroachment lines as well.
- **Dig trial holes**, by hand, alongside the indicated route of the cables(s).
- Use spades and shovels with **insulated handles** in preference to forks and picks.
- **Make sure everyone** on site, including visitors, **understand the risks**.
- If there is a **cable encased in concrete** contact **UK Power Networks to agree a safe method of work**. This may mean making the cable dead.
- Before demolishing a building **make sure that supplies are disconnected**, preferably well clear of the work area.  
For guidance on how to arrange a disconnection visit [www.ukpowernetworks.co.uk](http://www.ukpowernetworks.co.uk) – Our Services
- Have the **emergency contact telephone number** easily available on site.



## WHAT NOT TO DO

- Never allow anyone near a damaged or suspected damaged cable or joint.
- Do not handle or attempt to alter the position of a cable or joint.
- Never assume that cables run in straight lines, they may be deflected around underground obstacles.
- Do not use mechanical excavator or powered digging tool within the vicinity of known cables.
- Never knock a road pin, or forcibly throw a spiked digging tool into the ground, without checking what is below the surface.







# IF A CABLE IS DAMAGED

Notify UK Power Networks immediately:

**London 0800 028 0247**

**East of England 0800 783 8838**

**South East 0800 783 8866**

**Call the emergency services if anyone is injured.** Anyone who has received an electrical shock should go to hospital as damage may have occurred to the heart.

Always **treat the cable(s) as live** even if they are not sparking. Cables can be re-energised at any time without warning.

**Never remove anything** that is stuck **in a cable**.

**Keep everyone well away** from the area of the damage.

**Do NOT** attempt to remove anything that is in contact with the cable.



**PLAN IT OUT**

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





# DANGER OF DEATH

THINK BEFORE  
YOU DIG

Call the network operator

0800 587 3243

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

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

Our Ref: 14788941      Your Ref: 23397

Wednesday, 20 February 2019

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

Dear Joe Shawyer

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

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

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

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

Plan Provision  
0800 056 5866





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

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

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

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

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

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



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

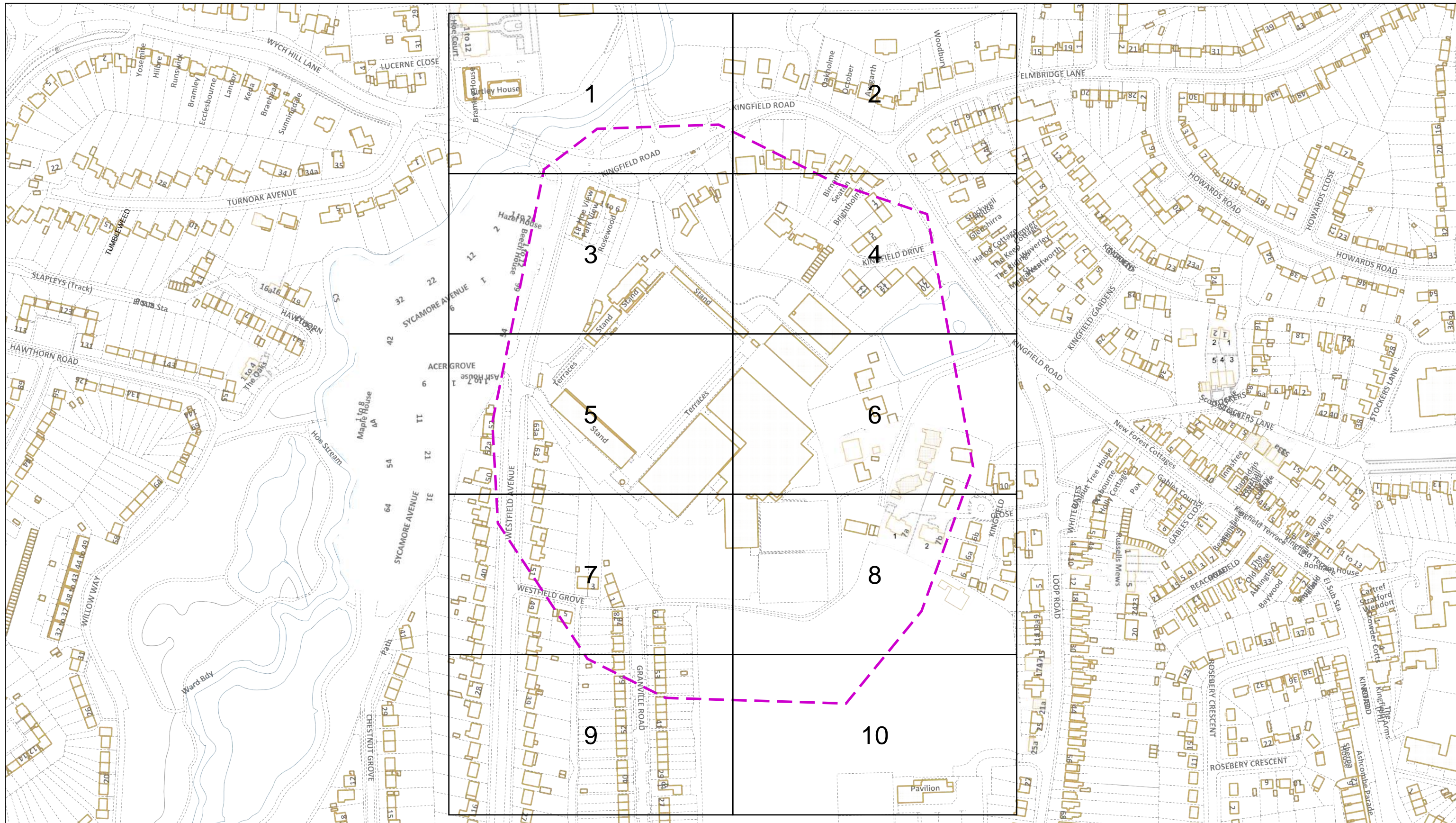
The GS6 Recommendations may be purchased from HSE Books or downloaded from the Energy Networks Association's website.

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

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







Dig Sites Area: Line:

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 Date Requested: 20/02/2019  
 Job Reference: 14788941  
 Site Location: 500204 156999  
 Requested by:  
 Mr Joe Shawyer  
 Your Scheme/Reference: 23397  
 Scale: 1:2563 (When plotted at A3)

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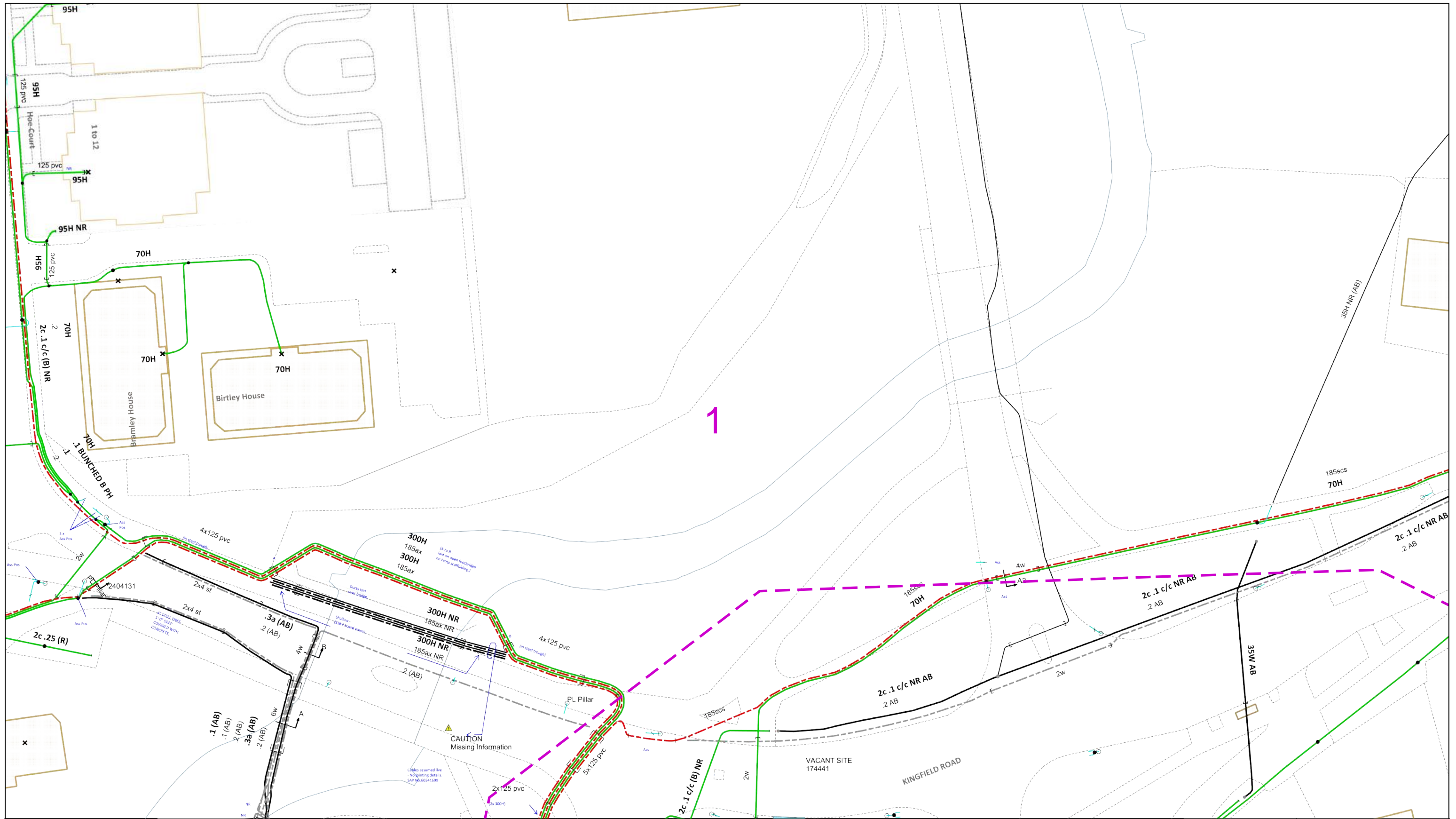
IF IN DOUBT - ASK!  
 PHONE 0800 056 5866  
 EMERGENCY - If you damage a cable or line  
 Phone 0800 783 8838  
 (24hrs) URGENTLY



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

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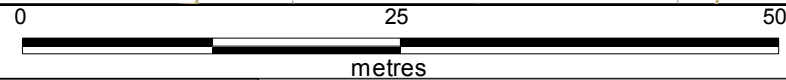
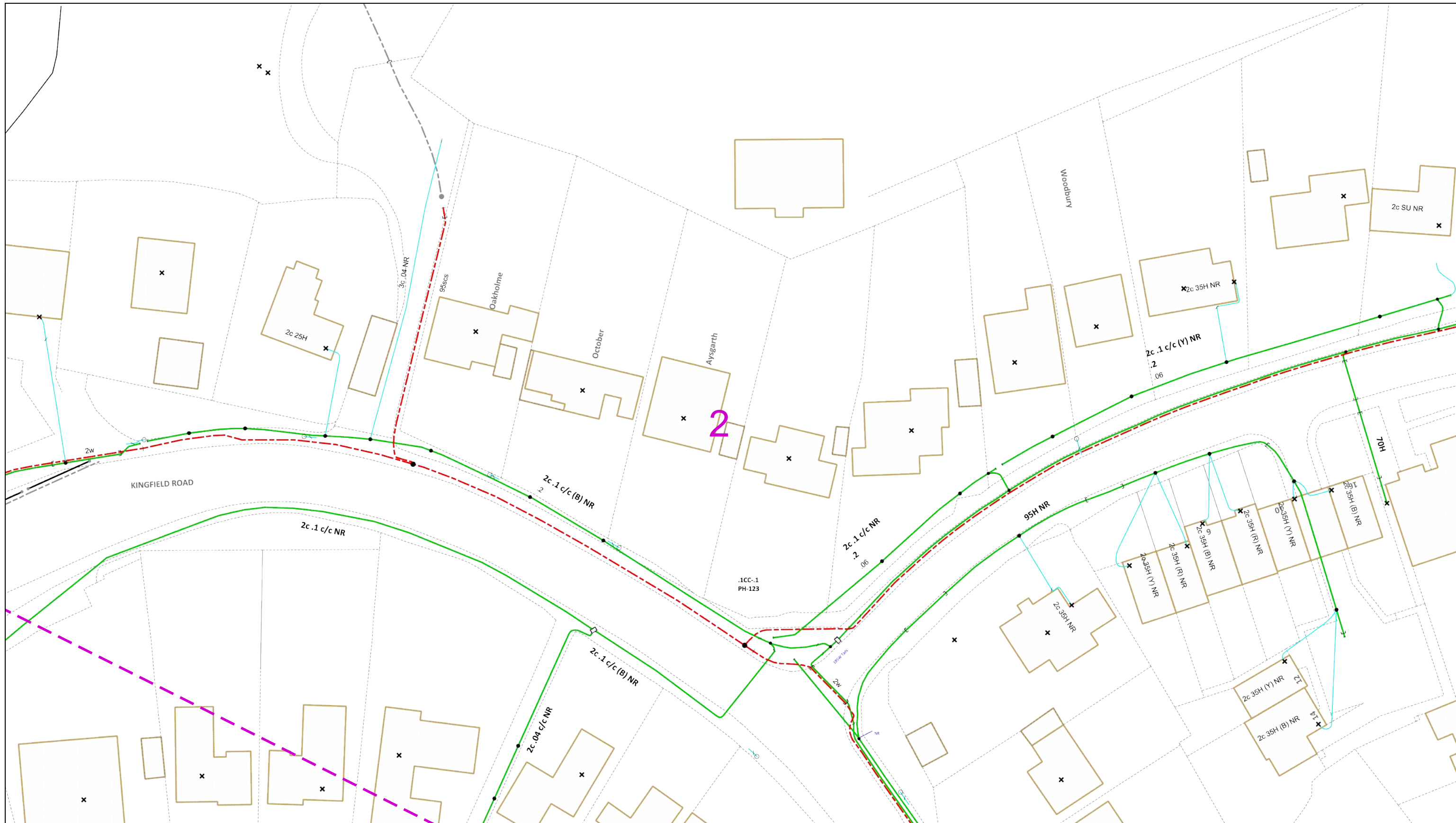
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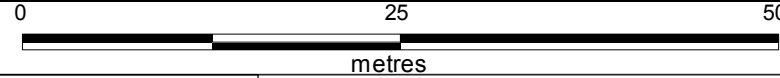
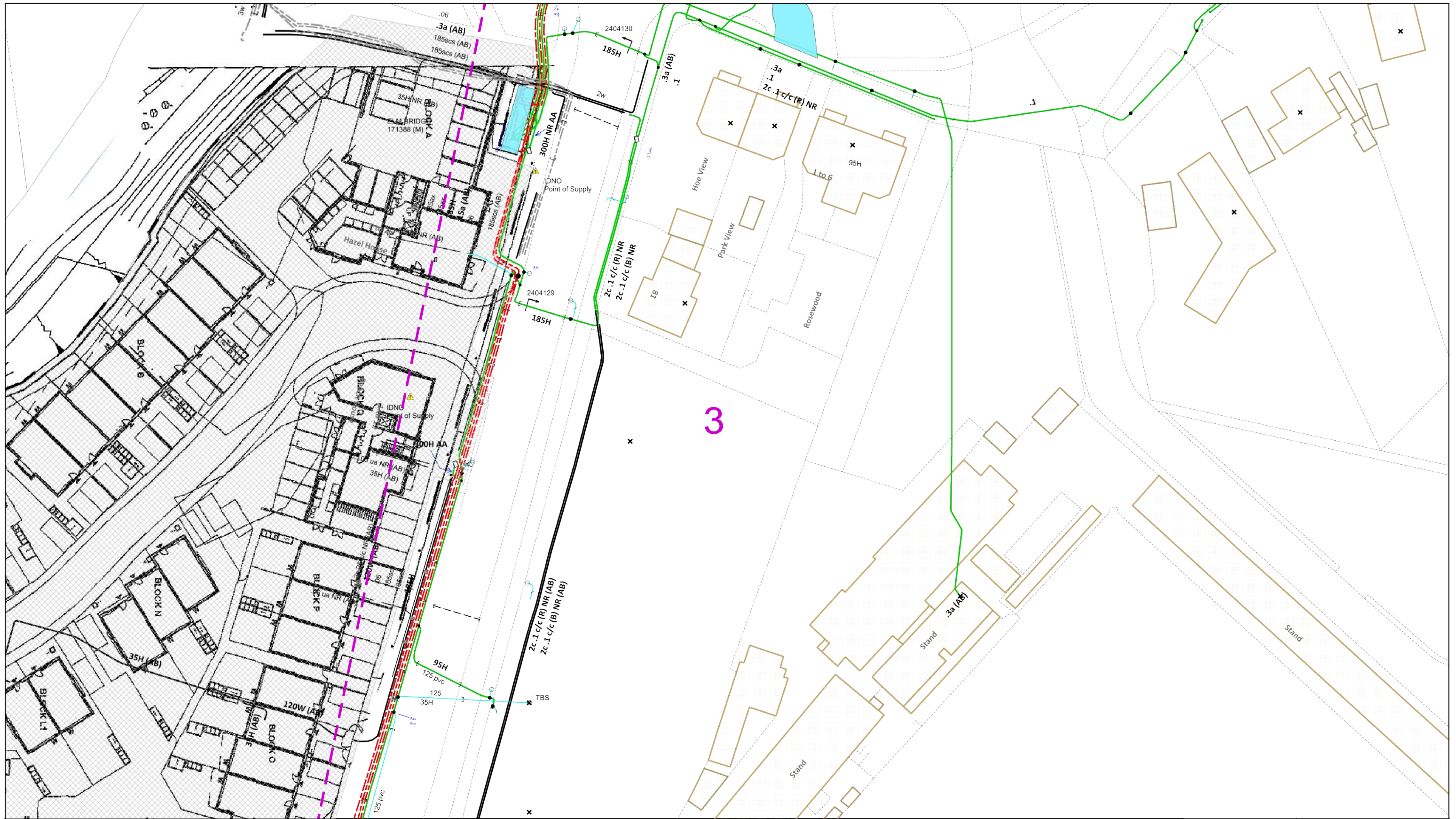
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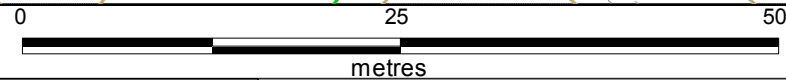
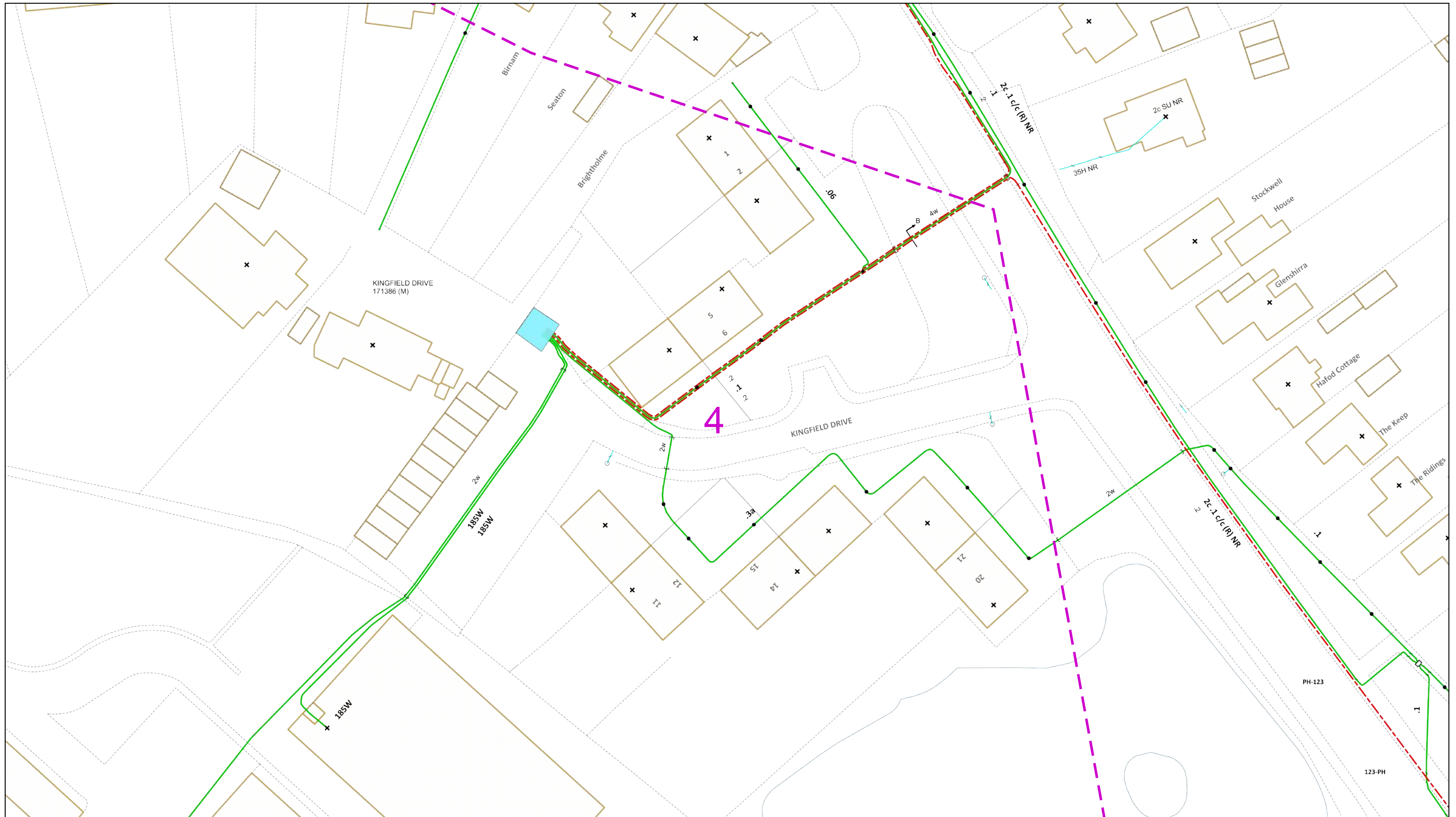
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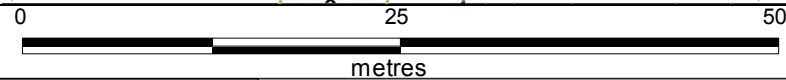
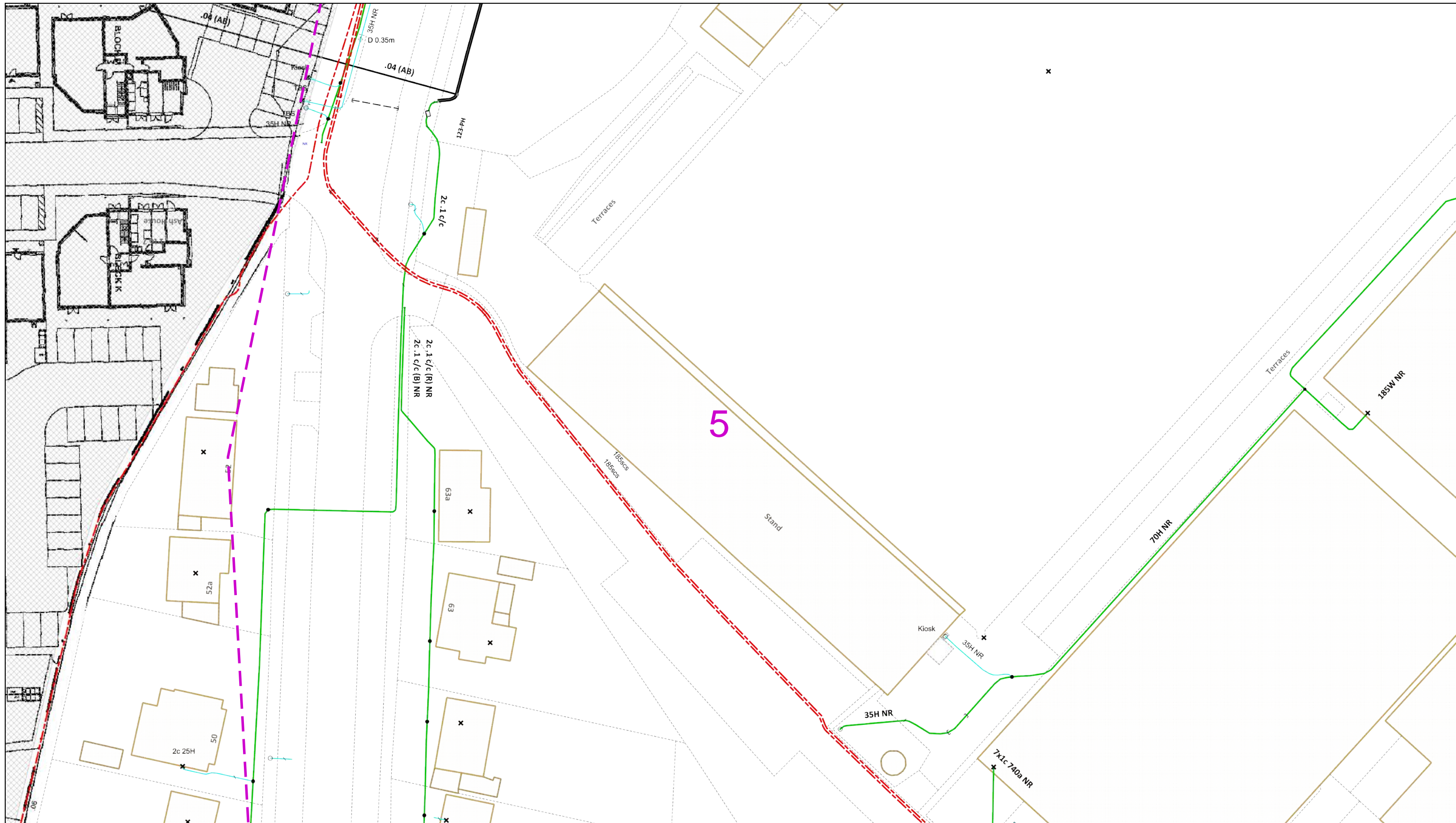
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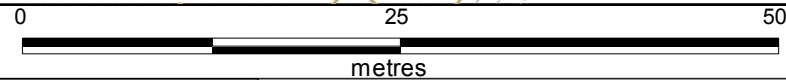
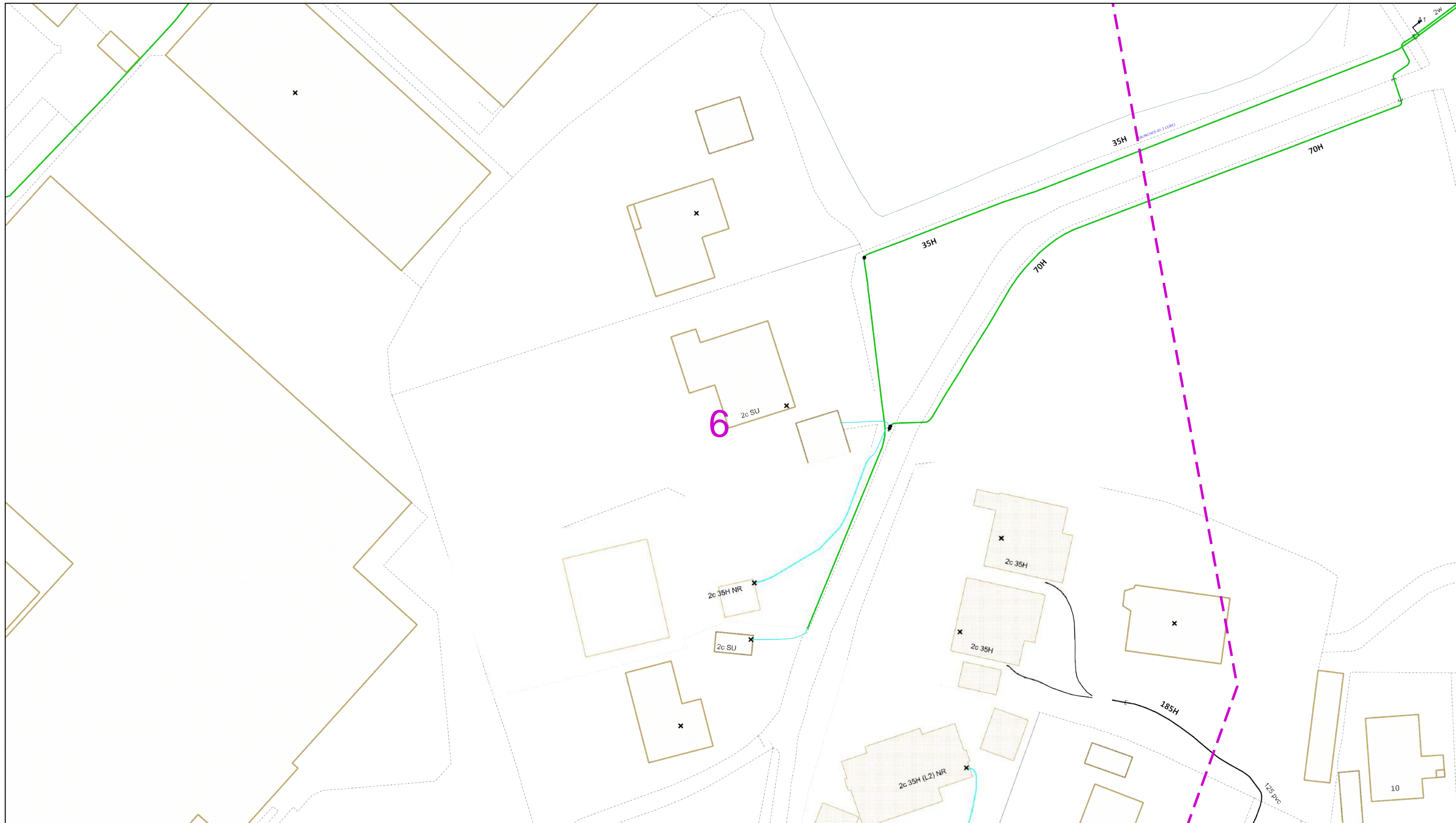
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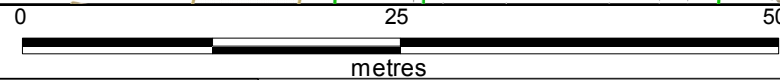
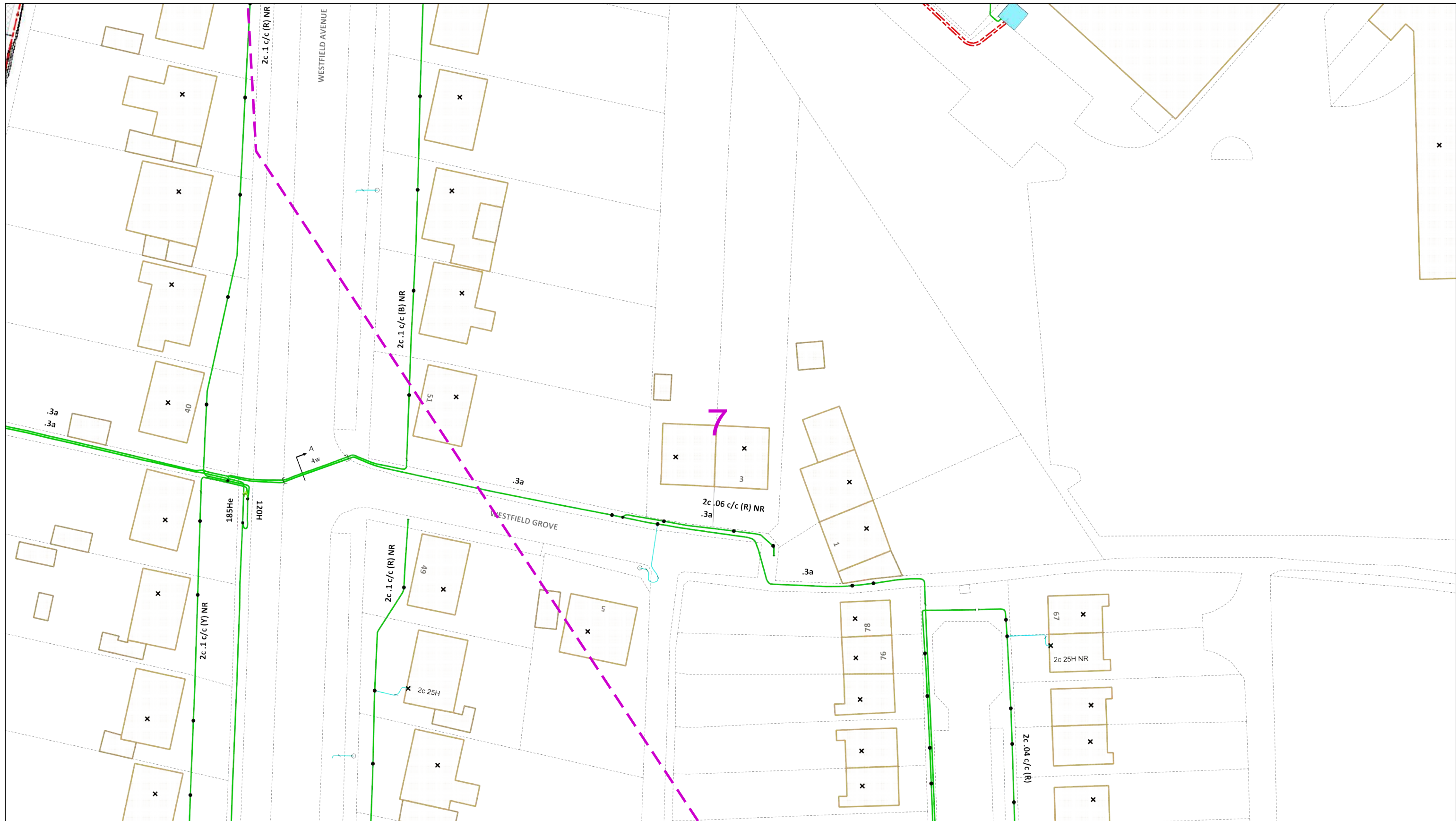


IF IN DOUBT - ASK!  
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Dig Sites Area: Line:

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Date Requested: 20/02/2019  
 Job Reference: 14788941  
 Site Location: 500204 156999  
 Requested by:  
 Mr Joe Shawyer  
 Your Scheme/Reference: 23397

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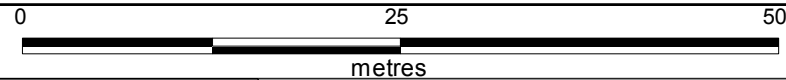
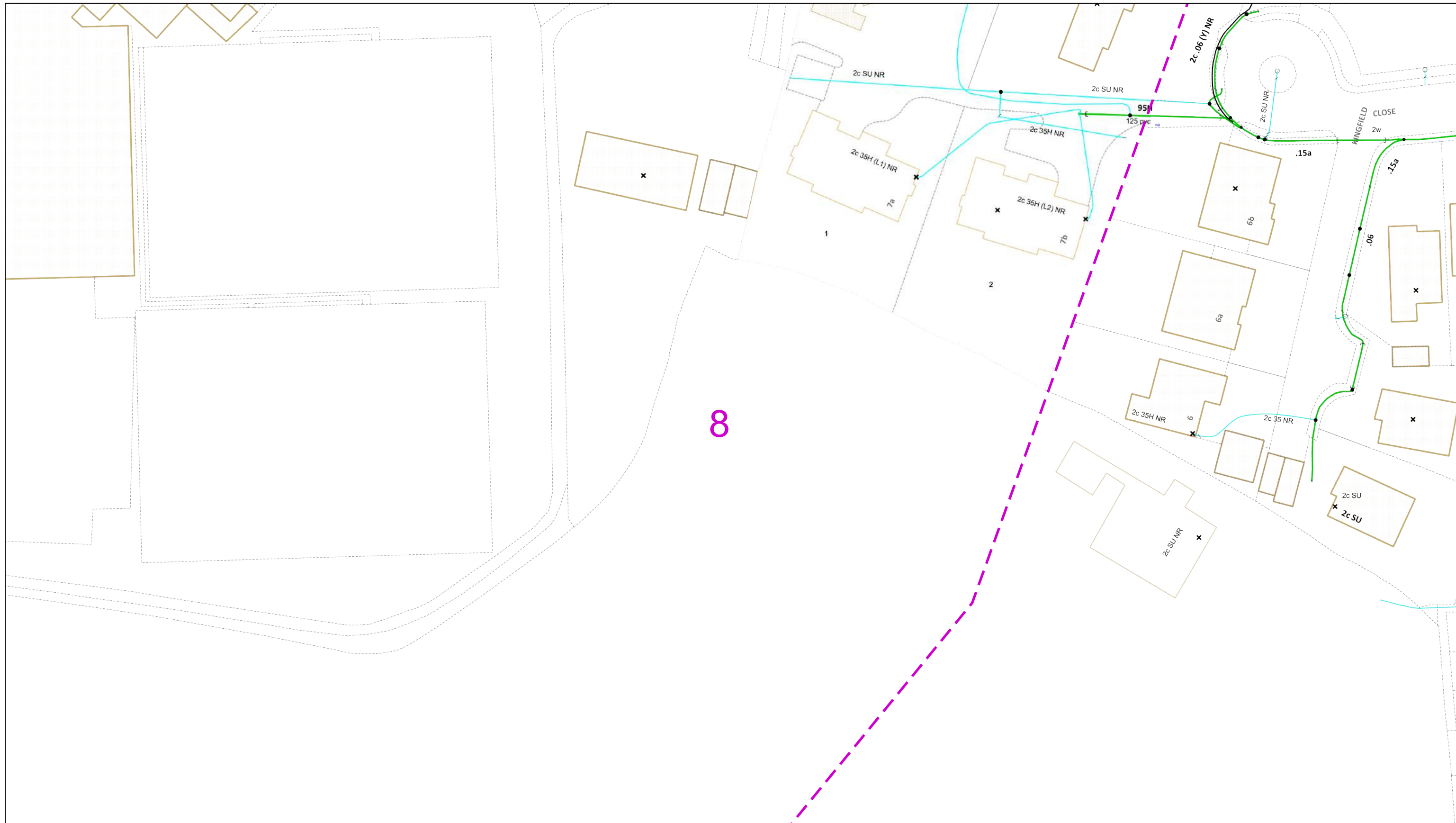
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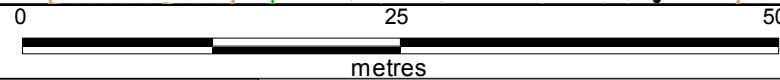
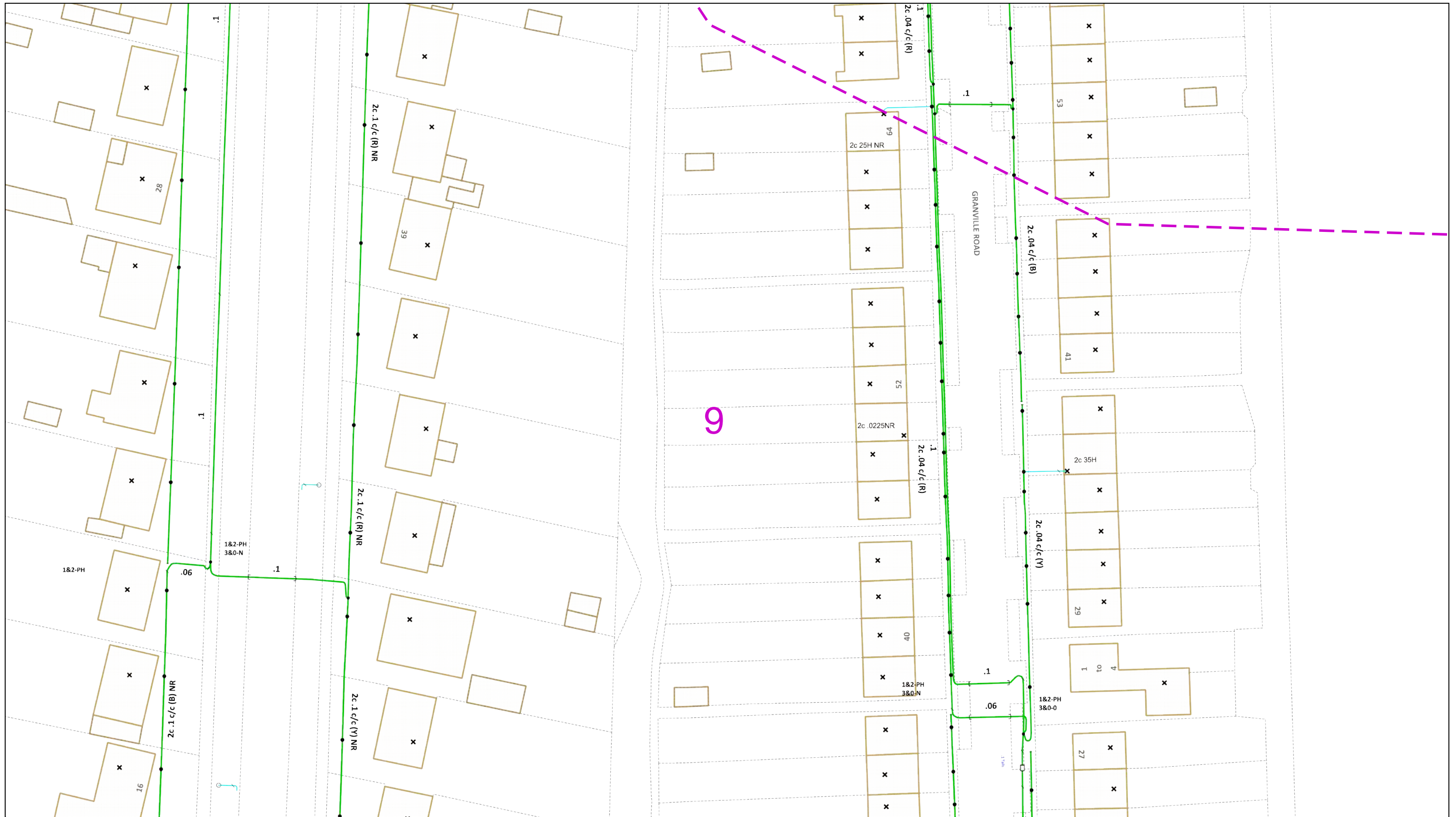


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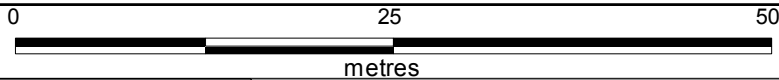
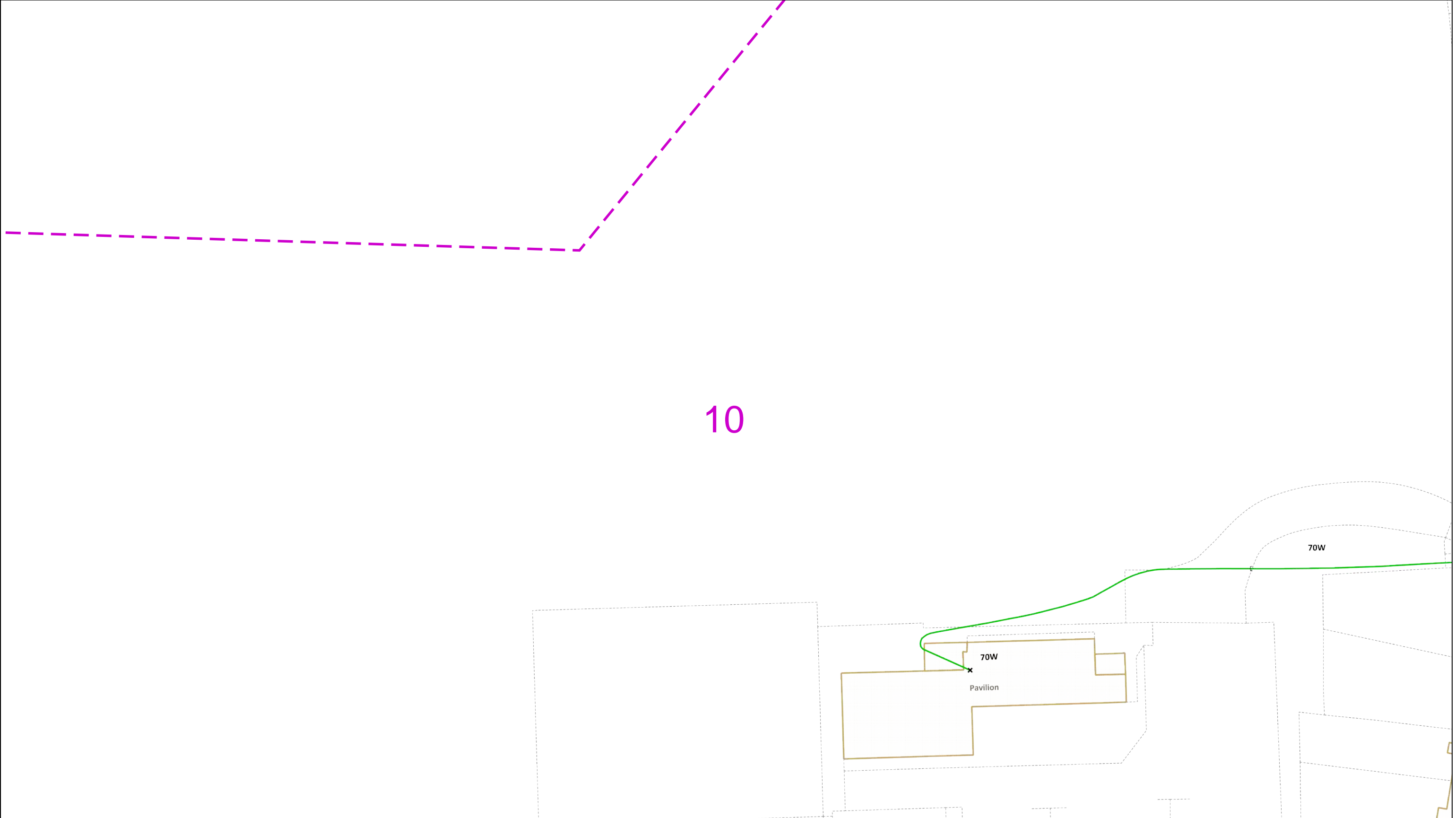


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10



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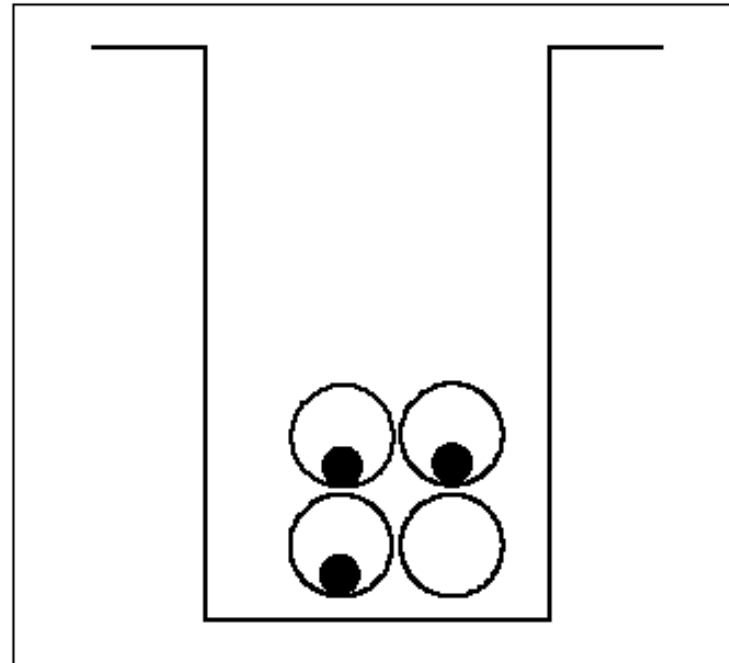
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## Cross Section : B



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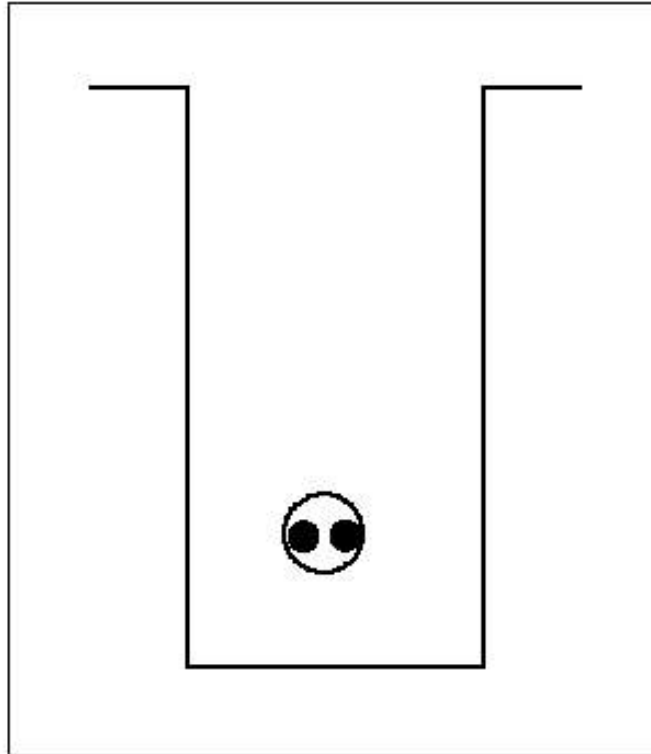
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## Cross Section : A1



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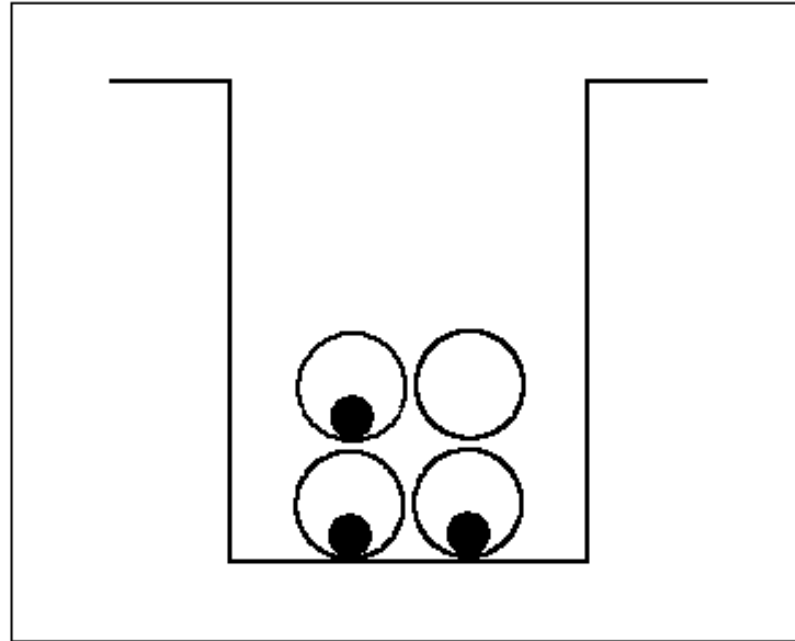
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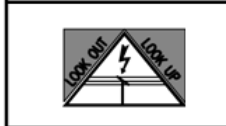


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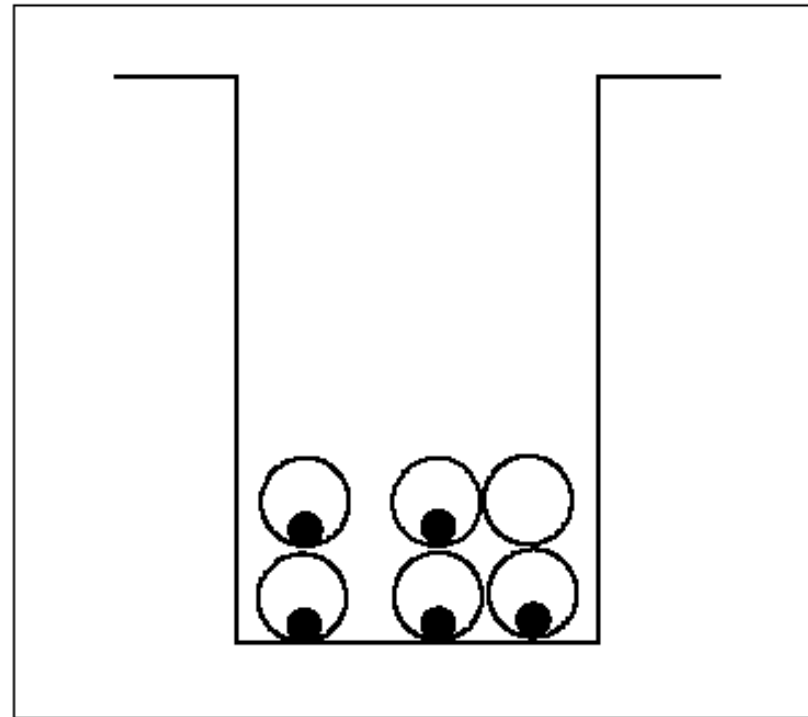


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# Cross Section : A

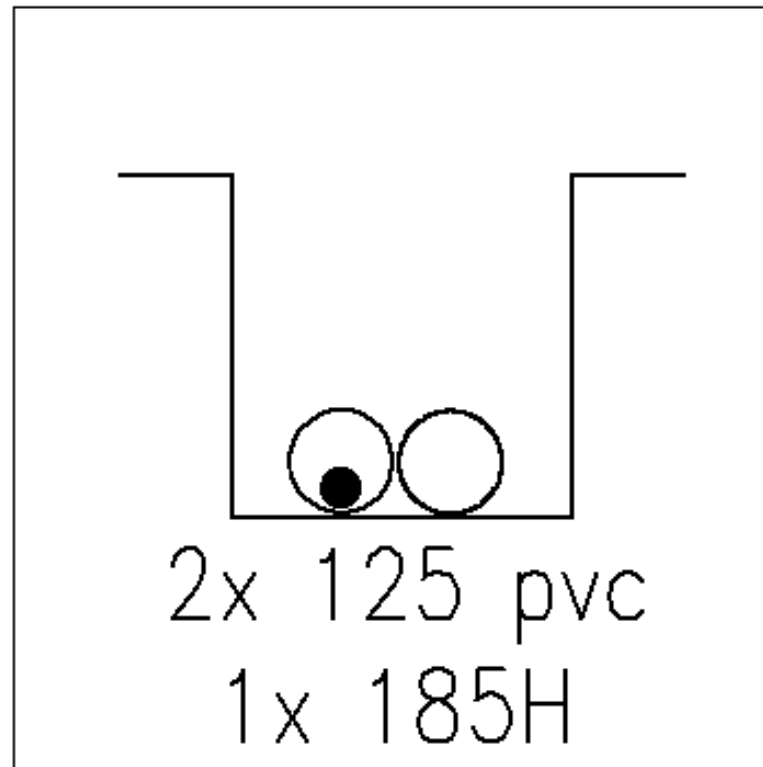


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### Cross Section : 2404130



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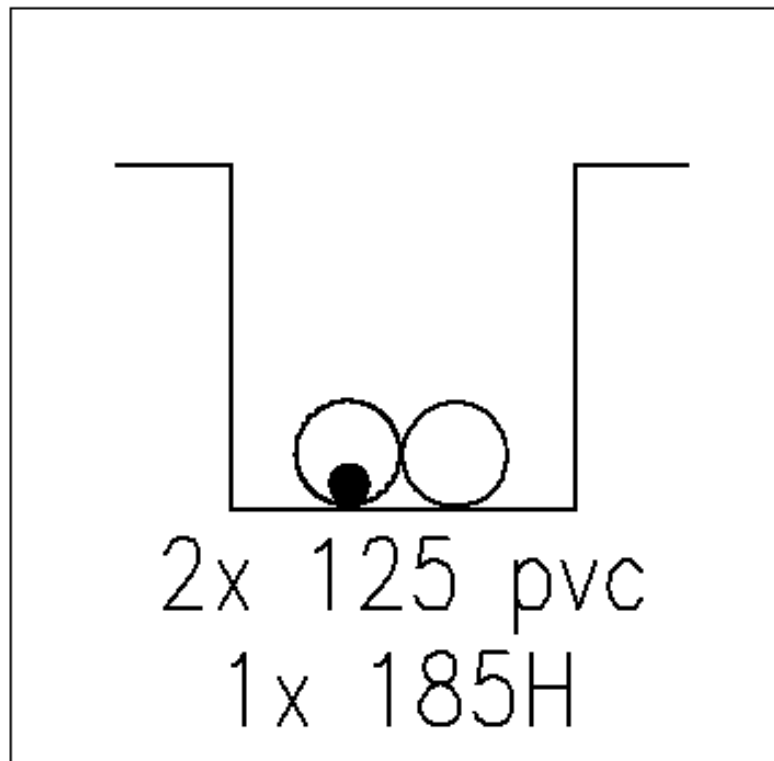
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Cross Section : 2404129

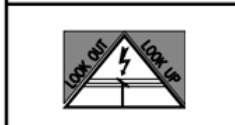


Cross Section  
2404129

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 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.  
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.  
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.  
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.  
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

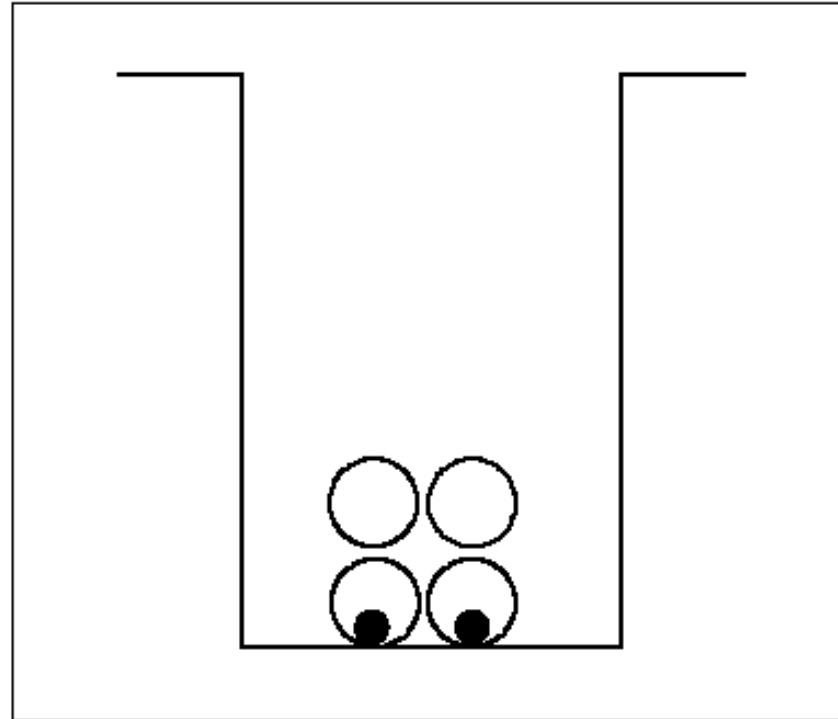
IF IN DOUBT - ASK! PHONE  
 0800 056 5866  
**EMERGENCY - If you damage  
 a cable or line  
 Phone 0800 783 8838 (24hrs)  
 URGENTLY**





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

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

# Cross Section : A2

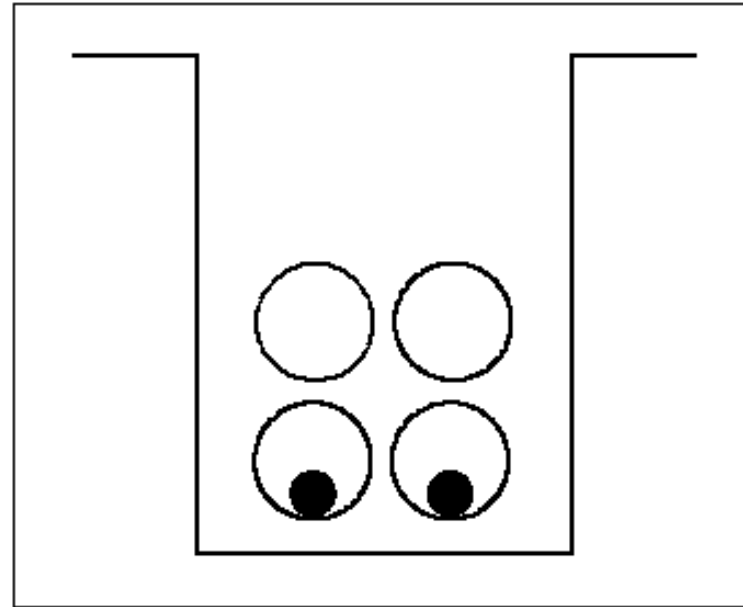


# Cross Section A2

<p>1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.</p> <p>2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.</p> <p>3. If it is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.</p> <p>4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.</p> <p>5. All cables must be treated as being live unless proved otherwise by UK Power Networks.</p> <p>6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.</p> <p>7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.</p>	<p>1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.</p> <p>2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.</p> <p>3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.</p> <p>4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.</p> <p>5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.</p>	<p>IF IN DOUBT - ASK! PHONE 0800 056 5866 <b>EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY</b></p>	
			<p><b>ALWAYS LOOK UP BEFORE YOU START WORK</b> Refer to HSE Guidance note GS6</p>



## Cross Section : A



# Cross Section A

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

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.  
 2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.  
 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.  
 4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.  
 5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

IF IN DOUBT - ASK! PHONE  
 0800 056 5866  
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 Phone 0800 783 8838 (24hrs)  
 URGENTLY**



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

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

# Utility Assets Ltd

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

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

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

Asset Manager - Utility Assets Ltd

## Debbie Miller

---

**From:** UK OSP-Team <osp-team@uk.verizon.com>  
**Sent:** 08 February 2019 16:51  
**To:** Debbie Miller  
**Cc:** UK OSP-Team  
**Subject:** RE: Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

Dear Sir/Madam

Verizon is a licensed Statutory Undertaker.

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

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

Yours faithfully

Plant Protection Officer E.mail osp-team@uk.verizon.com

---

**From:** Debbie Miller [mailto:DMiller@groundwise.com]  
**Sent:** Friday, February 8, 2019 4:11 PM  
**To:** plantenquiries@energetics-uk.com; osm.enquiries@atkinglobal.com; plantenquiries@instalcom.co.uk; UK OSP-Team; interoute.enquiries@plancast.co.uk; plantenquiries@psgservices.co.uk; plantenquiries@catelecomuk.com; NRSWA@bskyb.com; OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk; mbnl.plant.enquiries@turntown.com; assetrecords@utilityassets.co.uk; kpn.plantenquiries@instalcom.co.uk  
**Subject:** [E] Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref: 23397DM**  
**Site : Woking Football Club, Woking, GU22 9PF**  
**Grid reference: 500588,157301**  
**Requests:**

**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,

**Debbie Miller**  
Production Researcher

Groundwise Searches Ltd

**GROUNDWISE**

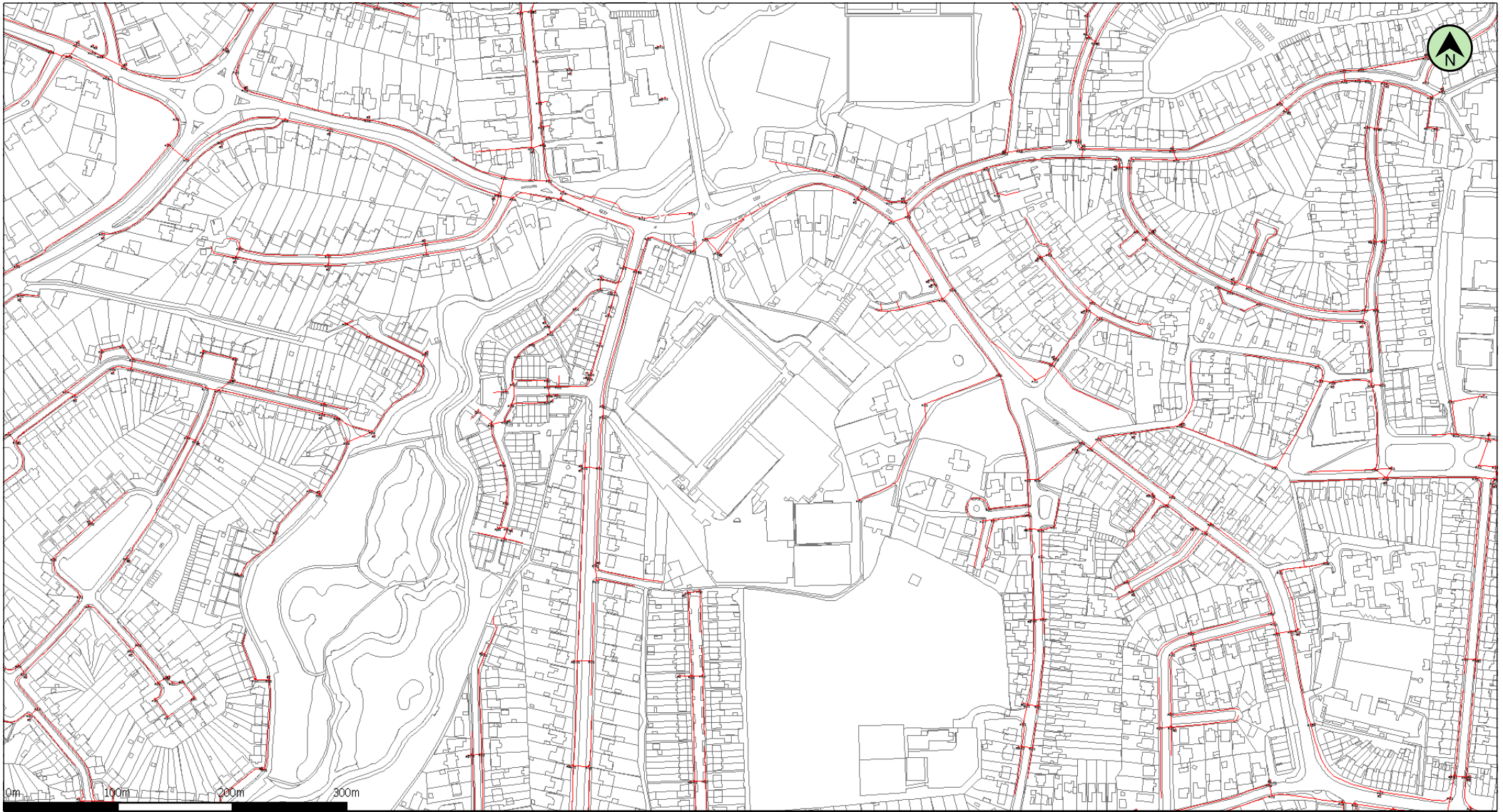
[dmiller@groundwise.com](mailto:dmiller@groundwise.com) | 01702 615566 | [www.groundwise.com](http://www.groundwise.com)  
Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU

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*Business Address and Registered Office - Suite 8 Chichester House, 45 Chichester Road, Southend-on-Sea, Essex SS1 2JU  
Company Registration Number 4130795  
VAT number 769 0642 02*

**Verizon UK Limited** - registered in England & Wales - registered number 2776038 - registered office at Reading International Business Park, Basingstoke Road, Reading, Berkshire, UK RG2 6DA - VAT number 823 8170 33





(c) Crown copyright and database rights 2019 Ordnance Survey 100019209

Date: 13/02/19

Scale: 1:4715

Map Centre: 500588,157323

Data updated: 11/01/19

Telecoms Plan A4

Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2019 Ordnance Survey 100019209.

Duct, Trench



Chamber



Cabinet



chilakala.apsar@virginmedia.co.uk

VM.1127575



## Debbie Miller


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**From:** Harshita K S <Harshitha.KS@atkinsglobal.com>  
**Sent:** 22 February 2019 11:24  
**To:** Debbie Miller  
**Subject:** RE: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

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

Many thanks.

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

ATKINS working on behalf of Vodafone: Fixed 

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

### **PLEASE NOTE:**

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

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

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



Please consider the environment before printing this e-mail

---

**From:** Debbie Miller <DMiller@groundwise.com>  
**Sent:** 08 February 2019 21:41  
**To:** [plantenquiries@energetics-uk.com](mailto:plantenquiries@energetics-uk.com); National Plant Enquiry's <[OSM.enquiries@atkinsglobal.com](mailto:OSM.enquiries@atkinsglobal.com)>; [plantenquiries@instalcom.co.uk](mailto:plantenquiries@instalcom.co.uk); [osp-team@uk.verizonbusiness.com](mailto:osp-team@uk.verizonbusiness.com); [interoute.enquiries@plancast.co.uk](mailto:interoute.enquiries@plancast.co.uk); [plantenquiries@psgservices.co.uk](mailto:plantenquiries@psgservices.co.uk); [plantenquiries@catelecomuk.com](mailto:plantenquiries@catelecomuk.com); [NRSWA@bskyb.com](mailto:NRSWA@bskyb.com); [OPBuriedServicesEnquiries@networkrail.co.uk](mailto:OPBuriedServicesEnquiries@networkrail.co.uk); [plantenquiries@trafficmaster.co.uk](mailto:plantenquiries@trafficmaster.co.uk); [mbnl.plant.enquiries@turntown.com](mailto:mbnl.plant.enquiries@turntown.com); [assetrecords@utilityassets.co.uk](mailto:assetrecords@utilityassets.co.uk); [kpn.plantenquiries@instalcom.co.uk](mailto:kpn.plantenquiries@instalcom.co.uk)  
**Subject:** Ref: 23397DM - Site : Woking Football Club, Woking, GU22 9PF

**Ref:** 23397DM  
**Site :** Woking Football Club, Woking, GU22 9PF  
**Grid reference:** 500588,157301  
**Requests:**

## **Appendix C: Thames Water Consultation**





Melissa Seymour  
RMA Environmental Ltd  
Suite 4 Swallow Court  
Devonshire Gate  
Tiverton  
Devon  
EX16 7EJ

Ref DS6062108

31 May 2019

### **Pre-planning enquiry: Capacity concerns**

Dear Melissa

Thank you for providing information on your development at Woking Football Club comprising up to 1200 residential units with 25,000 sq ft of retail.

We have completed an initial assessment of the foul water flows based on the information submitted in your application and have concluded that our sewerage network will not have enough capacity to meet the needs of your development at this time.

To ensure we make the appropriate upgrades or 'off-site reinforcement' to serve your development, we'll need to carry out modelling work, design a solution and build the necessary improvements. This work would be at our cost.

Once we've begun modelling, we may need to contact you to discuss the point of connection to the sewer. Please note that we'll pay the cost of covering any extra distance if the connection needs to be made at a point further away than the nearest practicable point of at least the same diameter.

#### **How long could modelling and reinforcement take?**

Typical timescales for a development of your size are:

Modelling: 8 months  
Design: 6 months  
Construction: 10 months  
Total: 24 months

If the time you're likely to take from planning and construction through to first occupancy is longer than this, we'll be able to carry out the necessary upgrades in time for your development. If it's shorter, please contact me on the number below to discuss the timing of our activities.



### What do you need to tell us before we start modelling?

We're responsible for funding any modelling and reinforcement work.

We need, though, to spend our customers' money wisely, so we'll only carry out modelling once we're confident that your development will proceed.

To have this confidence, we'll need to know that you **own the land and have either outline or full planning permission**. Please email this information to us as soon as you have it.

If you'd like us to start modelling work ahead of this assurance, we can do this if you agree to underwrite the cost of modelling and design. That means we'll fund the work, but you agree to pay the cost if you don't achieve first occupancy within five years.

I've attached an example of our underwriting agreement. Please call me on the number below if you'd like to discuss this or want to request a copy of the agreement to complete.

If the modelling shows we need to carry out reinforcement work, then before we start construction we'll need you to supply us with notification that you've confirmed your F10 – Notification of construction project - submission to the Health and Safety Executive.

### Surface Water

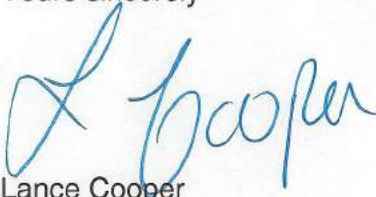
Please note that discharging surface water to the public sewer network should only be considered after all other methods of disposal have been investigated and proven to not be viable. In accordance with the Building Act 2000 Clause H3.3, positive connection to a public sewer will only be consented when it can be demonstrated that the hierarchy of disposal methods have been examined and proven to be impracticable. The disposal hierarchy being: 1st Soakaways; 2nd Watercourses; 3rd Sewers.

Only when it can be proven that soakage into the ground or a connection into an adjacent watercourse is not possible would we consider a restricted discharge into the public surface water/combined sewer network.

In considering your surface water needs, we support the use of sustainable drainage on development sites. You'll need to show the local authority and/or lead local flood authority how you've considered the surface water hierarchy that we've included.

If we haven't heard from you by the end of July, we'll contact you, so you can confirm whether you can provide the confidence we need. If so, we'll be able to start modelling if you still need it but we won't do so until you've confirmed that you need it. If you've any further questions, please contact me on 02035779224.

Yours sincerely



Lance Cooper

Thames Water Developer Services

DATED [●]

**THAMES WATER UTILITIES LIMITED**  
as Thames Water

and

**[insert Developer's name] LIMITED/PLC**  
as Developer

**AGREEMENT FOR PROVISION OF SEWERAGE CONNECTION INFORMATION**



**DATED** [•]

**BETWEEN:**

- (1) **THAMES WATER UTILITIES LIMITED** (company no 2366661) whose registered office is at Clearwater Court, Vastern Road, Reading, Berkshire RG1 8DB ("**Thames Water**"); and
- (2) The **DEVELOPER** as identified in Clause 1

**BACKGROUND**

The Developer wants Thames Water to provide the Deliverable in respect of its development at [Insert site address/name]. Thames Water has agreed to provide the Deliverable on the terms set out in this Agreement and for the Fee (if demanded).

**1 DEFINITIONS**

1.1 In these terms and conditions the following expressions shall (where the context so admits) have the following meanings:

'**Developer**' shall mean the company, firm or person identified as such at the start of this Agreement and to whom Thames Water supplies the Deliverable.

'**Deliverable**' shall mean the budget estimate for the completion of the connection(s) by Thames Water following its capacity modelling that will allow the Developer to discharge the relevant planning condition(s) in respect of the provision of water and/or sewerage to the relevant development.

'**Fee**' shall mean the flat fee charged by Thames Water for providing the Deliverable.

'**Purpose**' the purpose for which the Developer shall use the Deliverable, namely the discharge of relevant planning conditions and the programming of works.

'**Specification**' shall mean the description, specifications and other details of the connections(s) for which the Developer wants Thames Water to provide the Deliverable(s) and details of which are set out in Appendix 1 of this Agreement.

'**Thames Water**' shall mean Thames Water Utilities Limited (Company no. 02366661) whose registered office is at Clearwater Court, Vastern Road, Reading, RG1 8DB

**2. Deliverable**

2.1 Subject to the remainder of this Agreement, Thames Water agrees to use all reasonable endeavours to provide the Deliverable by no later than [DATE].

2.3 Appendix 2 sets out any information or other items, which are to be supplied by the Developer (together with the dates by which such information is required). Where the Developer delays in providing any such information, this may affect the estimated delivery schedule stated in Clause 2.2 and Thames Water shall have no liability for any such delay.

**3 Timescales for Deliverable**

**3.1** Thames Water shall provide the Deliverable to the Developer in accordance with the requirements of this Agreement. Although Thames Water will use its reasonable endeavours to make the Deliverable available in accordance with the estimated delivery date set out above, such delivery date is only an estimate and accordingly Thames Water accepts no responsibility or liability, financial or otherwise, in the event that the said estimated delivery date is not met. In particular and without limitation of the generality of the foregoing, Thames Water shall not be liable to reimburse the Developer in respect of any delay payments or other penalties for which the Developer may become liable to any customer of the Developer as a result of any delay or failure by Thames Water (whether or not Thames Water is aware of the Developer's potential liability to pay the same).

**3.2** Thames Water shall use its reasonable endeavours to notify the Developer of any delay in the estimated delivery date for the provision of the Deliverable, and to propose a revised estimated delivery date to the Developer. Any onward notification of such delay to customers of the Developer shall be the sole responsibility of the Developer.

**3.3** The contents of the Deliverable are protected by copyright laws. The owner of the copyright information on the Deliverable is Thames Water. The Developer shall not modify, copy, reproduce, republish, upload, post, transmit or distribute, by any means or in any manner, any material or information contained within the Deliverable including but not limited to text, graphics and maps without Thames Water's prior written consent.

**3.4** The Developer acknowledges that following Thames Water undertaking the capacity modelling pursuant to this Agreement, Thames Water may determine (in its absolute discretion) that proceeding to a detailed design is unnecessary and in those circumstances



Thames Water shall notify the Developer that a detailed design is not required within 14 days of determining the same.

#### **4 Force Majeure**

**4.1** Thames Water shall not have any liability in respect of any delay in carrying out or failure to carry out any of its obligations under this Agreement caused by any circumstances outside the reasonable control of Thames Water including without limitation war, terrorism, fire, extreme weather, flood, explosion or civil commotion or acts of Government.

**4.2** Thames Water shall have the right to extend the estimated delivery schedule by a period of time sufficient to take due account of the event occurring as set out in Clause 4.1. If, however, such extension continues for a period of 60 days, the Developer may, on the expiry of that period, terminate this Agreement forthwith without liability to Thames Water other than reimbursement on the same terms as provided in Clause 3.3.

#### **5 Prices and payment**

**5.1** The Fee shall be £21,000 plus VAT which shall be paid by the Developer at the prevailing rate.

**5.2** Thames Water shall invoice the Developer for, and the Developer shall pay, the Fee if once Thames Water has provided the Deliverable to the Developer, the Developer has not provided Thames Water with reasonable evidence that it has achieved a date of first occupation for the development within five years from the date of this Agreement.

**5.3** Payment of Thames Water's invoices shall be made in pounds sterling within 28 days of the invoice date. Where chargeable, value added tax and any other applicable taxes or duties shall be added to the invoice at the current rate or rates in force at the relevant times.

**5.4** The Developer shall pay interest (whether before or after judgment) at a rate of 4% per annum above Barclays Bank Plc base rate in force from time to time from the due date for payment until actual payment.

#### **6 Defects**

**6.1** Subject to the provisions of 6.3 below, any error or defect in the Deliverable shall be notified to Thames Water in writing by the Developer within three months of receipt of the Deliverable, and Thames Water agrees that it will make resources available to investigate the defect and to rectify the Deliverable if required.

**6.2** Except as set out in 6.1, Thames Water accepts no liability in respect of any error or defect in the Deliverable, or the consequences thereof, and gives no warranty in respect thereof.

**6.3** The Deliverable is provided by Thames Water to the Specification and on the basis that it is for the sole use of the Developer, for the Purpose. The Developer shall not use the Deliverable or any information contained therein other than for the Purpose and shall not communicate nor disclose the Deliverable or any information contained therein to any third party whether or not in connection with the Purpose without the prior written consent of Thames Water (which shall not be unreasonably withheld).

**6.4** Should the Developer use the Deliverable or any information contained therein contrary to the foregoing provisions the Developer will be solely liable to any third party for any error or defect in the Deliverable or information, and or the consequences thereof, and will indemnify Thames Water against all loss, actions, claims, costs, demands, expenses and liabilities whatsoever (if any) which Thames Water may incur either at common law or by statute as a result of a breach of clause 6.3.

#### **7 Limitation of liability**

**7.1** In no circumstances shall Thames Water be liable, in contract, tort (including negligence or breach of statutory duty) or otherwise howsoever, and whatever the cause thereof:

- (a) for any loss of profit or anticipated profit, loss of business or business opportunity, loss of contracts or revenues or anticipated savings, or
- (b) for any loss costs, expenses or damages incurred by any third party;
- (c) for any special indirect or consequential damage or loss of any nature whatsoever arising directly or indirectly.

**7.2** Subject to the provisions of paragraph 7.4 below, the total aggregate liability of Thames Water arising out of or in connection with this Agreement (whether in contract, tort or otherwise) shall in no circumstance exceed the level of the Fee.

**7.3** Thames Water and the Developer agree that the exclusions and limitations of liability and the resulting allocation of risk and liability contained in this Agreement are reasonable in all the circumstances and having regard to all relevant facts including the charges which take account of the allocation of risk and liability.



**7.4** Nothing in this Agreement shall limit the liability of either party for:

- (a) Fraudulent misrepresentation or mis-statement;
- (b) Death or personal injury caused by negligence.

**7.5** For the avoidance of doubt, Thames Water shall not be liable for any loss, damage or delay suffered by the Developer to the extent that such loss, damage or delay is attributable to written instructions given by or on behalf of the Developer.

## **8. Term and Termination**

**8.1** This Agreement comes into force on the date hereof and will continue until the sooner of:

- a) the date it is terminated by either party in accordance with its terms;
- b) the date the Developer provides Thames Water with reasonable evidence of first occupancy of the relevant development; or
- c) the date the Developer pays the Fee in full.

**8.2** This Agreement may be terminated by written notice forthwith:

- a) by either party if the other commits any material or persistent breach of any term of this Agreement and, in the case of a breach capable of remedy, fails to remedy the same within 28 days after receipt of a written notice giving full particulars of the breach and requiring it to be remedied;
- b) by either party if the other becomes bankrupt or insolvent (except for the purpose of a bona fide amalgamation or reconstruction) or any receiver or administrator or similar person is appointed in respect of that party or enters into any arrangement with its creditors or takes or suffers any similar actions in consequence of a debt;
- c) by either party if they reasonably believe that any of the events mentioned in Clause 8.1 (b) above is about to occur in relation to the other party and notifies the other party accordingly;
- d) by Thames Water if the Developer ceases or threatens to cease to carry on business

**8.3** This Agreement may be terminated at any time by Thames Water by providing no less than 7 days' written notice to the Developer

**8.4** The termination of this Agreement is without prejudice to the rights, duties and liabilities of either party that accrued prior to termination. In the event that this Agreement is terminated by Thames Water under clause 8.1, the Developer shall be liable to pay for all work completed up to the date of termination.

**8.5** The clauses in this Agreement which expressly or impliedly have effect upon or after expiration or earlier termination shall continue to be enforceable notwithstanding expiration or earlier termination and (except as otherwise expressly provided herein) shall not prejudice any remedies available to either party to this Agreement.

## **9 General provisions**

**9.1** Neither party shall be entitled to assign the rights, benefits or obligations under this Agreement, without the prior written consent of the other party, such consent not to be unreasonably withheld or delayed.

**9.2** Except as otherwise provided herein, the rights of either party under the Agreement shall not be prejudiced or restricted by any indulgence or forbearance extended by one party to the other and no waiver by one party of its rights in relation to any breach of the Agreement shall affect its rights in respect of any subsequent breach.

**9.3** Any demand, notice or other communication given or made under or in connection with the Agreement shall be in writing.

**9.4** All notices shall be deemed properly served if delivered in person or if sent by fax or first class post to the address for the party to be served stated in the Agreement, their registered office address or any subsequent address from time to time notified to the other party. A notice sent by fax will be deemed to have been served at the time of successful transmission, provided a confirmatory copy is also sent by first class post. A notice sent by first class post shall be deemed served two working days after posting, or seven working days if posted from or to an address outside the United Kingdom.

**9.5** If any provision of these conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these conditions and the remainder of the provisions in question shall not be affected thereby.

**9.6** The Agreement constitutes the entire agreement between Thames Water and the Developer with respect to the matters contained therein and supersedes all prior oral or written representations and agreements.



**9.7** The formation, existence, construction, performance, validity and all aspects of the Agreement shall be governed by English law and the parties submit to the exclusive jurisdiction of the English courts

**9.8** The provisions of the Agreements (Rights of Third Parties) Act 1999 shall not apply to the Agreement and are hereby expressly excluded.

Signed by [name of duly authorised  
person] for and on behalf of [name of  
company] :

)  
)  
)

Duly authorised person

Signed by [name of duly authorised  
person] for and on behalf of THAMES  
WATER UTILITIES LIMITED:

)  
)  
)

Duly authorised person

APPENDIX 1 – SPECIFICATION

[THIS SHOULD SET OUT WHETHER THE AGREEMENT IS JUST FOR MODELLING OR FOR  
DETAILED DESIGN ASLO]



APPENDIX 2 - REQUIRED INFORMATION