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LAND WEST OF TURNERS HILL ROAD AND SOUTH OF HUNTSLAND, CRAWLEY DOWN UTILITIES ASSESSMENT

LAND WEST OF TURNERS HILL ROAD AND SOUTH OF HUNTSLAND, CRAWLEY DOWN

Revision **3**
Date **17/01/2025**
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Description **Utilities Assessment Report**

Ref 200UnitsSouth_RUK2021N00014-RAM-RP-00115 Land West of Crawley Down Utility Assessment

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EXECUTIVE SUMMARY

Ramboll UK Limited ('Ramboll') has been commissioned by Wates Developments Limited ('the Client') to carry out a review of the existing utility services provision to the West of Crawley Down, Crawley, West Sussex and initiate discussions with the local utility providers to service the proposed residential development.

The report summarises a desktop exercise comprising load assessments for the proposed development and record information of existing utility network assets. Budget quotation proposals from the relevant utility supply companies and an outline strategy for how the future development may be served have been included in the report. Please note that only an illustrative masterplan was available at the time of the Utility Assessment. Firm quotations would need to be confirmed in the future for detailed reinforcement/diversion requirements. However, initial enquiries have been made on the basis of a 200 residential unit development based on information provided by the Client.

From the record information received, some utility services might require an easement zone to facilitate the development, depending upon the proposed masterplan layout when confirmed.

The following provides a summary of new services required to serve the proposed development:

- Clean water – New water main plus branch connections required for 200 residential units.
- Power – The initial proposal includes the installation of 2 new substations and new HV cables on the Client's land.
- Assumed no gas will be supplied to this site.

Utility provisions are summarised as follows:

Utility Service	Site Status	Utility Supplier
Clean water	Available	South East Water
Electricity	Available	UKPN
Data/comms	Available	Multiple

Table 1: New Connections

1. INTRODUCTION

1.1 Background

Ramboll UK Ltd (Ramboll) has been appointed by Wates Developments Limited ('the Client') to undertake a utility assessment with respect to the proposed development on the Land West of Crawley Down, Crawley, West Sussex ('the site') for up to 200 residential units.

1.2 Objective and Scope of Works

The aim of this report is to summarise a desktop exercise comprising load assessments for the proposed development and record information of existing utility network assets. Budget quotation proposals from the relevant utility supply companies, and the preparation of an outline strategy for how the future development may be served, will be added in due course when responses to our enquiries have been received from the utility supply companies.

1.3 Limitations and Constraints

This report has been prepared by Ramboll exclusively for the intended use by the Client in accordance with the agreement between Ramboll and the Client defining, among others, the purpose, the scope and the terms and conditions for the services. No other warranty, expressed or implied, is made as to the professional advice included in this report or in respect of any matters outside the agreed scope of the services or the purpose for which the report and the associated agreed scope were intended, or any other services provided by Ramboll.

In preparation of the report and performance of any other services, Ramboll has relied upon publicly available information, information provided by the Client and information provided by third parties. Accordingly, the conclusions in this report are valid only to the extent that the information provided to Ramboll was accurate, complete, and available to Ramboll within the reporting schedule.

Ramboll's services are not intended as legal advice, nor an exhaustive review of site conditions and/or compliance. This report and accompanying documents are intended solely for the use and benefit of the Client for this purpose only and may not be used by or disclosed to, in whole or in part, any other person without the express written consent of Ramboll. Ramboll neither owes nor accepts any duty to any third party, unless formally agreed by Ramboll through that party entering into, at Ramboll's sole discretion, a written reliance agreement.

2. THE SITE

- 2.1 The site is located in Crawley Down adjacent to Turners Hill Road (B2028). It is centred on approximate OS Eastings/Northings (E/N): 533798E, 137341N at postcode RH10 4HB (Figure 1).
- 2.2 The site is approximately 20.05 hectares (ha) in size and is currently comprised of a series of agricultural fields. It is not anticipated that the project will involve the demolition of any buildings. Existing woodland runs along the boundary of most of the site. The site is bordered by:
- North: Huntsland (private road);
 - East: Turners Hill Road (B2028), immediate beyond which is the wider residential area of Crawley Down;
 - South: Worth Way, a 7-mile (11 km) footpath and bridleway linking the West Sussex towns of Crawley and East Grinstead via the village of Crawley Down. Most of the route follows the track bed of a disused railway. It is part of the National Cycle Network; and
 - West: Intermittent woodland and series of farms/smallholdings and cottages.
- 2.3 Current access to the site is through Huntsland, a private road off Turners Hill Road. Gatwick Airport is located roughly 6.5 miles north west of the site with the nearest train stations located in Three Bridges, Crawley and East Grinstead, west and east of the development respectively.

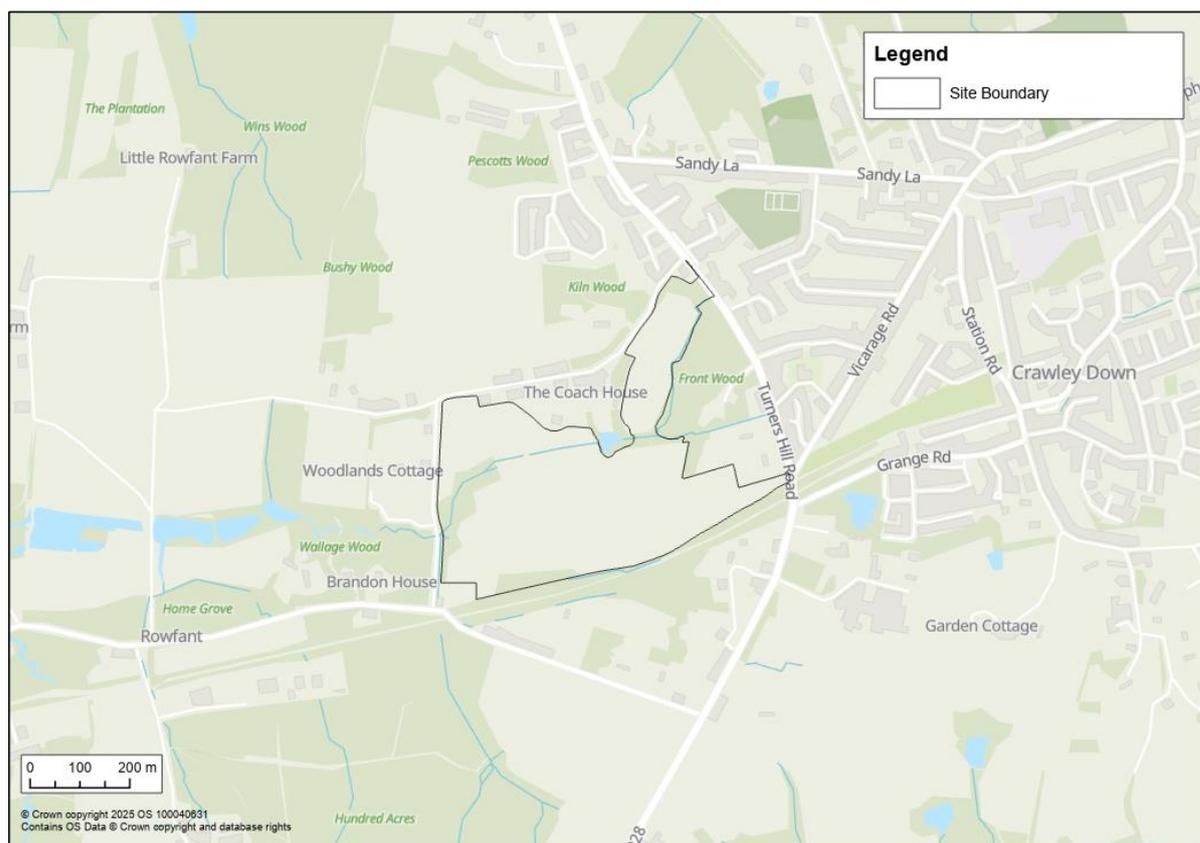


Figure 1: Site Boundary

3. THE PROPOSED DEVELOPMENT

- 3.1 The proposed development is for an outline planning application (appearance, landscaping, layout and scale reserved) for the erection of up to 200 dwellings, and associated infrastructure including new access points off of Turners Hill Road with associated spine roads and car and cycle parking; the provision of open space and associated play facilities; utilities infrastructure, surface water drainage features, and associated features, on land west of Turners Hill Road and south of Huntsland, Crawley Down, West Sussex.
- 3.2 The utility assessments and quotes within this report are based on an illustrative masterplan, providing 200 units comprising a mixture of 1 - 5 bed units.
- 3.3 Based on the building area information for the site, the following load assessments were made for the new buildings. At this stage, load allowances for the play facilities have been made based on UK Buildings Guidance and best practice using previous project examples. As per the Mid Sussex District Plan (2021-2039), an electric vehicle charging point has been estimated in line with Schedule 1 - Part S of the Building Regulations.

Table 2: Load assessments for new buildings

Water (l/s)	Power per Unit
7.5 L/s as per BS 806 Part 3 only, using a standard set of fittings per unit. As per the sustainability strategy additional measures will be implemented to limit the water useage to 85 litres per person per day This excludes the Fire requirement water demand. Water demand in case of fire will be assessed as per the fire strategy in the next stages of design development.	<p><u>All Electric</u></p> <p>Houses: 200 x4.2kVA = 840kVA</p> <p>This load includes an allowance for a single 7.2kW EVC (electric vehicle charging point per dwelling)</p> <p>2no pumping stations 2 x50kVA = 100kVA 1no sitewide infrastructure = 50kVA including EVC.</p> <p>Total = 965kVA</p>

3.4 The utilities that are required for the development:

- Electricity (UKPN)
- Telecommunications – there are a number of providers available in the area (EE, Three, O2, Vodafone)
- Water (South East Water)
- Sewerage and Drainage (outside of Ramboll Utilities assessment scope)

4. SEWERAGE AND DRAINAGE (OUTSIDE OF RAMBOLL UTILITIES ASSESSMENT SCOPE) EXISTING UTILITY SEARCHES

- 4.1 An existing utility search was carried out in February 2024 for the site. Tables 4 and 5 below list all the companies who have been contacted and their search results.
- 4.2 Currently UKPN, Openreach and MBNL have apparatus in the development area. There are also utility companies that have apparatus within the vicinity of the site boundary. They are listed in Table 3 below. Their existing utility drawings can be found in Appendix A.

Table 3: Existing Utility Search

Asset Owner	Apparatus Status
UK Power Networks (UKPN)	Present – Refer to drawings – Appendix A
Openreach	Present – Refer to drawings – Appendix A
Mobile Broadband Network Limited (MBNL)	Present – Refer to drawings – Appendix A
South East Water	Adjacent – Refer to drawings – Appendix A
Southern Water	Adjacent – Refer to drawings – Appendix A
Thames Water	Adjacent – Refer to drawings – Appendix A
Scotia Gas Networks (SGN)	Adjacent – Refer to drawings – Appendix A
Virgin Media	Adjacent – Refer to drawings – Appendix A

In addition, Table 4 below shows the results from further companies contacted for existing utility information that do not have infrastructure in the development area.

Table 4: Line Search

Company	Response
Arelion	Not in area of interest
GTC Pipelines	Not in area of interest
CityFibre	Not in area of interest
Colt Technology	Not in area of interest
Eleclink Interconnector	Not in area of interest
Equans	Not in area of interest
EXA Infrastructure	Not in area of interest
KCOM	Not in area of interest
Lumen Technologies	Not in area of interest
Indigo Pipelines	Not in area of interest
Onshore Cables	Not in area of interest
Sky UK Limited	Not in area of interest
Sota	Not in area of interest
Verizon	Not in area of interest
Vodafone	Not in area of interest

4.3 The information listed above is based on existing record information from the utility suppliers and should be confirmed by a buried services scan prior to any works commencing.

4.4 Existing UK Power Networks

4.4.1 UK Power Networks records show there are LV and HV networks within the development area (Figures 2 & 3). The information provided in the maps is for guidance only, the actual positions of the apparatus should be confirmed on site and the red line boundary checked to understand if the lines run within the development area.

4.4.2 Running south to north and parallel to the west boundary, UKPN has overhead HV cables installed on pylons. The HV cables then route to the centre of the northern half of the development before distributing both west towards the adjacent properties and northeast towards the Woods View development (Figure 2).



Figure 2: Existing UK Power Networks overhead HV lines

4.4.3 The LV networks mainly run east to west, originating from Turners Hill Road and routing along the site boundary shared with the Huntsland Private Road to serve the existing properties surrounding the private road. The LV network then continues through the centre of the development area to serve the adjacent properties to the west of the site.

There is also an below ground LV Main running from Turners Hill Road into the site serving the telecommunications mast at the south east corner (Figure 3).



Figure 3: Existing UK Power Networks LV lines

- 4.4.4 We recommend that if any buildings are proposed near to the site boundary where the overhead HV lines route – UKPN are consulted to confirm if that the proposal is acceptable.
- 4.4.5 It should be noted that whilst this information has been provided, the developer is recommended to review the wayleave information before acquisition and before planning any site layouts. The standard UKPN easement is 1.5m on either side of the cable.

4.5 Existing Telecoms Network

- 4.5.1 The utility searches show that a telecommunications mast belonging to MBNL forms the only infrastructure in the development area, located in the south east corner of the site. MBNL have informed us that the mast currently is currently in use.
- 4.5.2 Additionally, there are overhead Openreach (Light Green) networks routing along the boundary with the Huntsland Private Road to serve the existing surrounding properties and networks to the west of the site. Virgin Media (Dark Green) also has a below ground network running from east to west along the development boundary to the south of the site with a live Openreach connection box also located on the footpath parallel to the A120 (Figure 4).



Figure 4: Existing telecoms networks around the site

4.6 Existing Gas Network

- 4.6.1 There are two gas transporters in the area, SGN and GTC. Records show low pressure 63mm PE (plastic) mains distributing in the Woods View development to the north east of the site and also around the existing properties adjacent to the entrance to the Huntsland Private Road from Turners Hill Road (Figure 5).
- 4.6.2 There is no gas pipework shown within the proposed site boundary and therefore it is assumed that no disconnections or diversions are required, although a ground survey will need to be carried out on site to confirm this (Figure 5).



Figure 5: Existing low pressure gas mains adjacent to the development area

4.7 Existing Water and Sewers Networks

4.7.1 The utility searches and company records do not show water supply infrastructure within the development area (Figure 6). It is therefore assumed that no disconnections are required although ground surveys should be carried out on site to confirm this.

4.7.2 Water supplies in the area are provided by South East Water. Records show a 3 in' cast iron existing water mains serving the properties to the west of the site and 3 in' cast iron pipe routing along the boundary shared with the Huntsland Private Road to serve the existing surrounding properties. A 4 in' mains routes along Turners Hill Road to the east of the site (Figure 6).

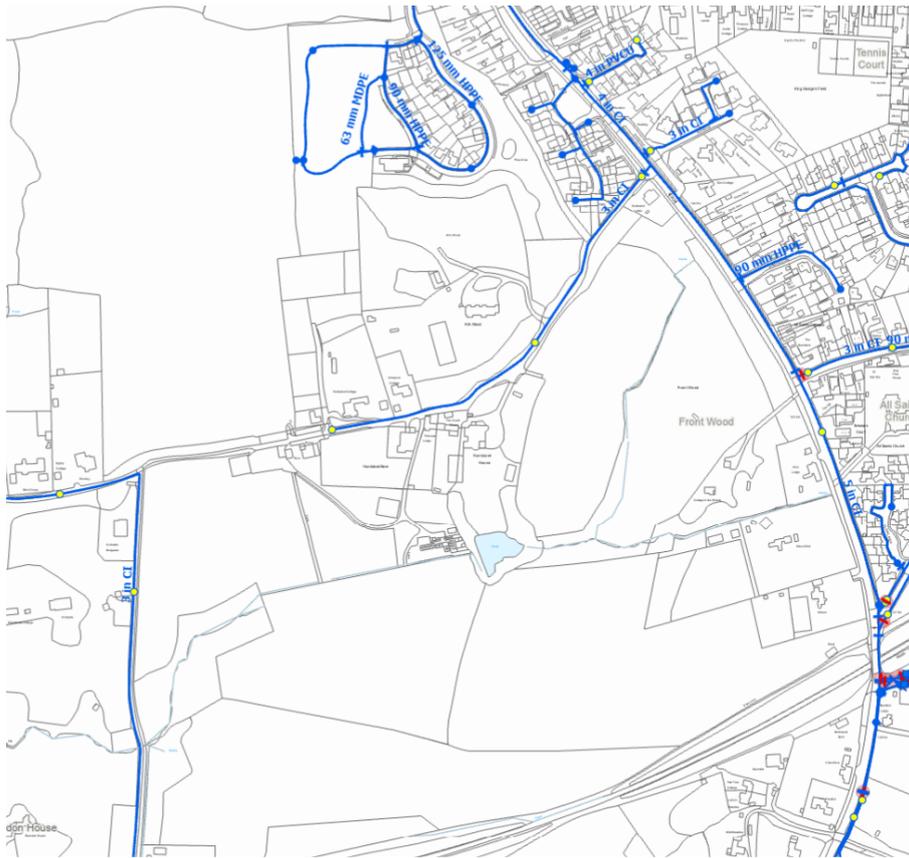


Figure 6: Existing South East Water distribution mains adjacent to the development area

4.7.3 Thames Water is responsible for sewer assets in the area with foul sewers infrastructure routing through the development to the centre of the site to serve the Huntsland properties (Figure 7).

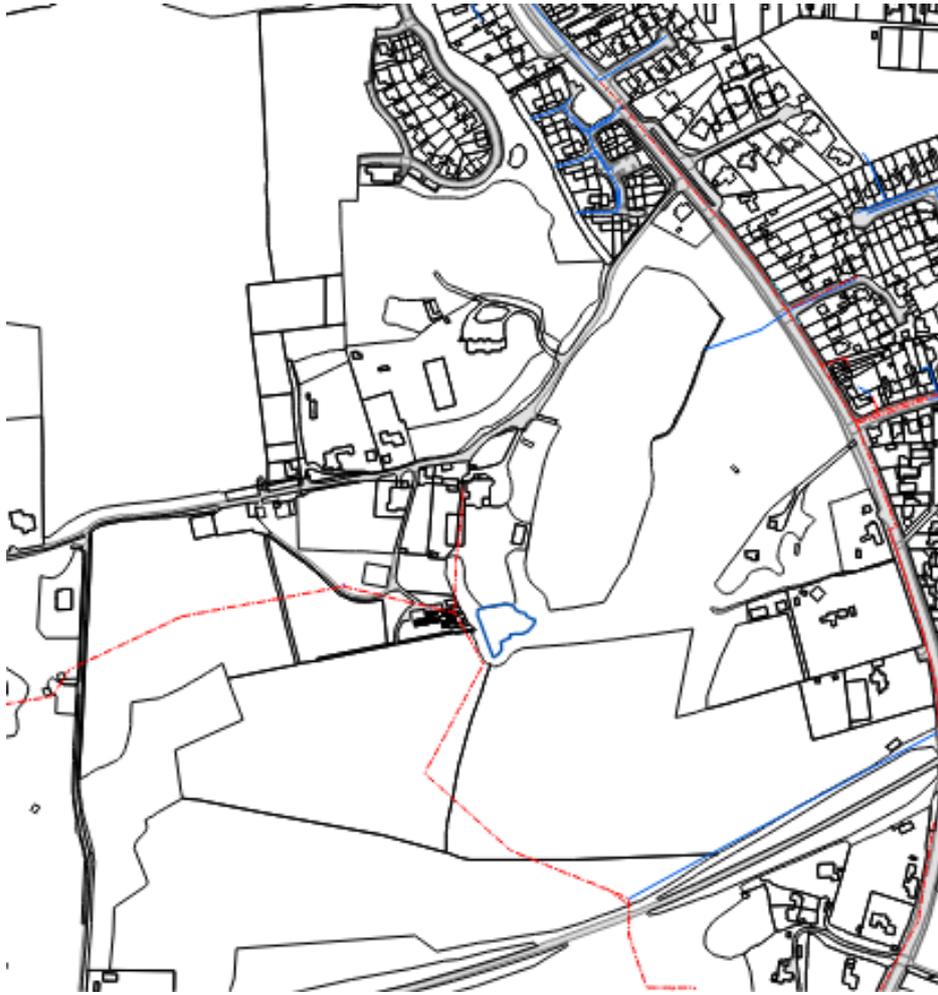


Figure 7: Existing Thames Water foul (Red) sewer network

5. PROPOSED UTILITIES STRATEGY

5.1.1 This section describes the proposed utility strategy to service the development. The initial findings and strategy should be updated following feedback from the utility providers and as the scheme develops from the initial design proposals.

5.2 Services Diversion and Disconnection

5.2.1 The HV overhead lines existing on the site are currently clashing with the illustrative masterplan and potentially constraining the land arrangement and use. A diversion budget estimate from UKPN was requested for a feasible solution to divert the overhead HV lines routing through the site. To divert the lines, UKPN have proposed to relocate the sections north of the Huntsland Private Drive to below ground. The works also include removing poles and the existing pole transformer and replacing it with a ground mounted substation (Figure 8). **Please note the routes shown are indicative.**

The sections south of the Huntsland Private Drive have not been identified as requiring diversions as they route along the south west boundary and therefore do not appear to impact the current illustrative masterplan. This will need to be confirmed at the next design stages and UKPN contacted if further diversions are necessary.

The estimated cost for the diversions from UKPN is **£180,000** (including VAT).

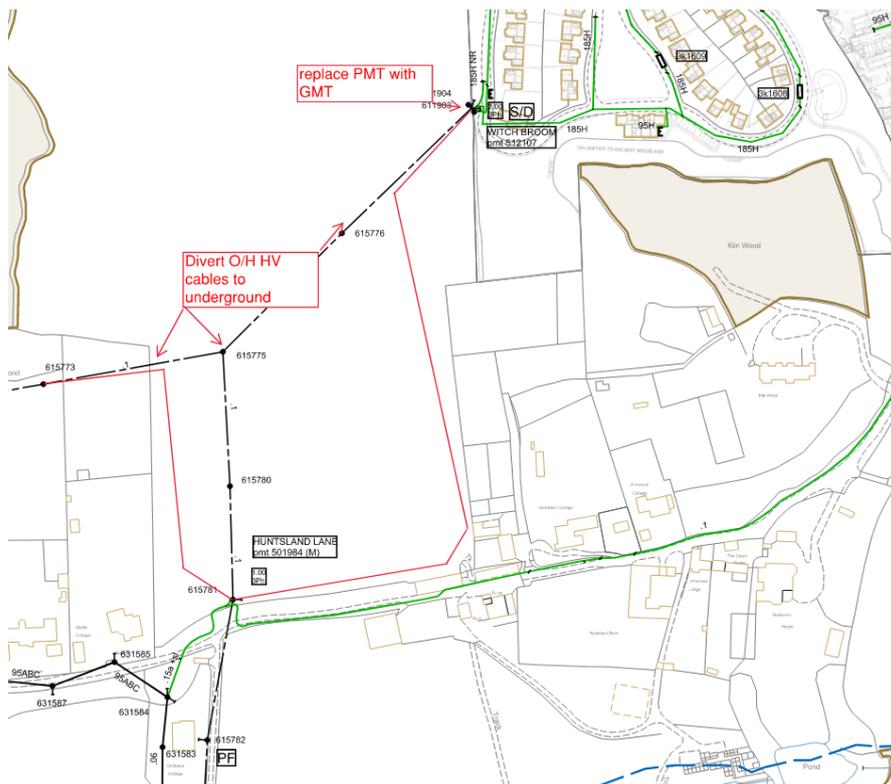


Figure 8: HV overhead lines to be diverted

Additionally, the below ground LV mains feeding the telecommunications mast may need to be diverted as it appears to clash with the proposed vehicle entry point to the development area. However, this may only require temporary disconnection and reinstatement as the road is constructed. It is also dependant on if the mast is to be kept in its current location or removed from site and therefore diversion or disconnection of the LV main reviewed in conjunction with the mast at the next design stage (Figure 9).

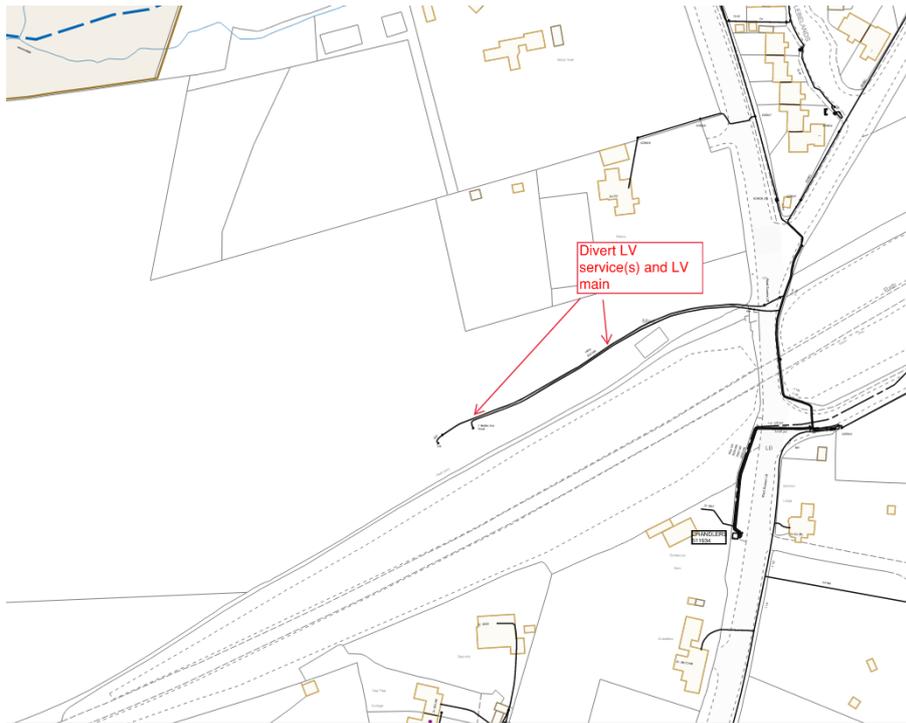


Figure 9: Telecommunications LV main

5.2.2 As part of the proposed works to the development area, it is also anticipated that the existing LV supply routing across the center of the site through the Huntsland Private Road to serve the properties to the west will have to be disconnected or diverted. This however is dependent on the development of the site. It may be that the overhead LV lines do not affect the development buildings or facilities and therefore can remain as is. With UKPN's agreement, an option may be to replace the overhead lines with buried services. This should be a consideration when planning the site layout. The costs of these works should be incorporated into the development and construction of the site as the project advances (Figure 10).

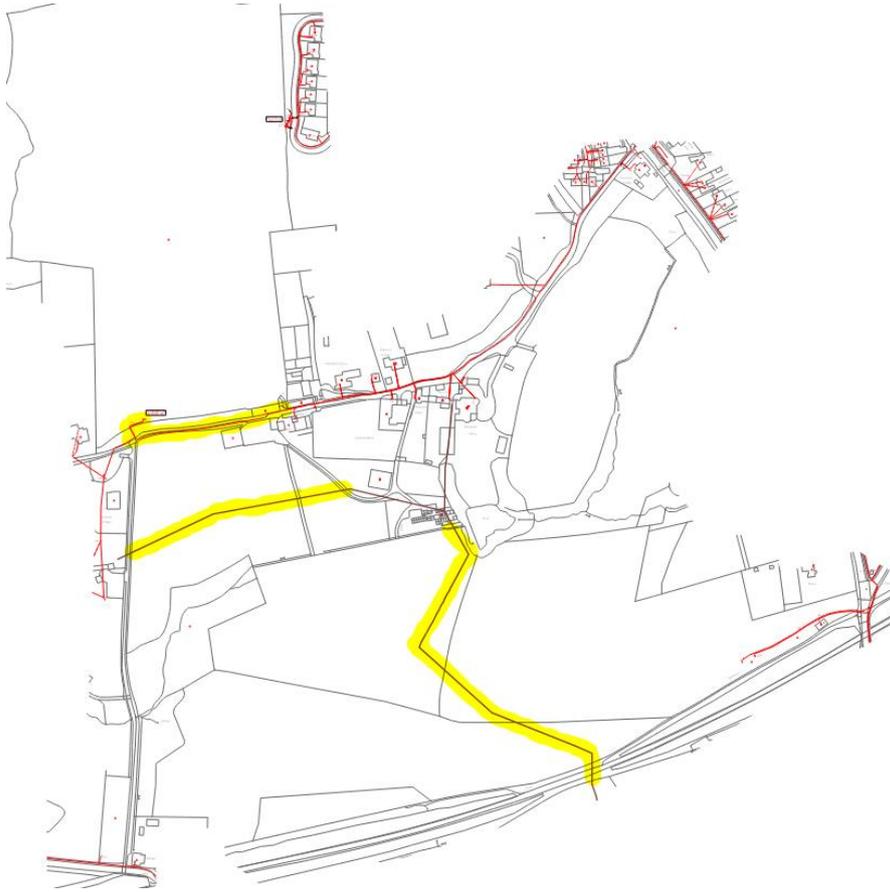


Figure 10: Highlighted LV cable and Thames Water foul sewer

5.3 **Water**

- 5.3.1 A budget quotation to provide water supplies for the development area was requested from South East Water. The capacity assessment determined that the proposed development cannot be accommodated without the need for off-site reinforcement.
- 5.3.2 To maintain levels of service in the network and for the development, it will be necessary for the South East Water to undertake additional reinforcement work prior to the site connection works taking place. It is recommended that advance discussions are held with South East Water at future design stages to ensure that sufficient time is incorporated within the construction programme so that the reinforcement may be commissioned. The proposals provided are subject to there being no other developments taking place before the works are requisitioned.
- 5.3.3 An accredited WIRS Self-Lay provider (SLP) may be chosen to install the onsite mainlaying where the developer will be responsible for installing all on-site pipework for distribution to the residential units. If this is not preferred, South East Water are also able to provide the onsite mainlaying based on a discount being applied to the total cost of the scheme.
- 5.3.4 The above costs do not include associated application fees, traffic management and service connection costs. These costs will be detailed once a formal application for a new water supply has been submitted.

5.4 **Power**

- 5.4.1 UKPN have advised that new development will require an existing HV network to be extended to the project demise.

- 5.4.2 UKPN has therefore provided a budget estimation to provide a new Point of Connection (POC) to the HV network along Woods View, Installation of 2No. new substations – these will be connected to the local HV network. New on-site HV network will be routed via underground ducting system, LV mains and services to the 200 properties (1ph per property), the care home (3ph CT metered supply), and an EV charging point (1ph supply). Please note that the cable routes shown are indicative. The location of the sub-stations are indicative only and will be determined at the next stage of the design. Typically sub-station will serve approximately loads within 300m radius.
- 5.4.3 A network study is required to confirm the POC and/or the extent of reinforcement which will be necessary in order to provide the required capacity. This study will be carried out on receipt of request for a formal quotation. Load at the Primary Substation is limited therefore works at the primary may also be required to provide the capacity required (Figure 11).
- 5.4.4 It is important to note that at least one other customer has made an application for connections to the same part of UKPN's distribution system and there is insufficient capacity or other constraints upon UKPN that will prevent all the connections requested from being made. Therefore, **Conditional Interactivity** applies.

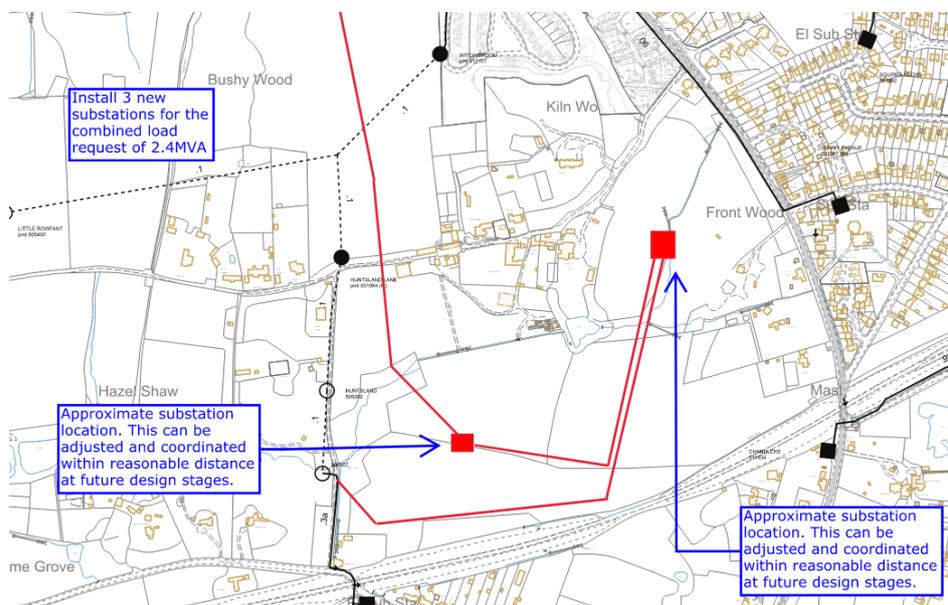


Figure 11: Proposed new substation and development HV network

- 5.4.5 The estimated cost does not include for diversions of any existing assets required to facilitate the connection and assumes the above described POC as being the most appropriate.
- 5.4.6 The budget estimate is based on the Client carrying out all on site excavation and reinstatement works.
- 5.5 **Low Voltage Site Supplies**
- 5.5.1 Low voltage (230 V) supplies to each dwelling will be provided by a network of below ground cables supplied from the new substations. The cables will be installed within an underground trench excavated to a minimum of 0.6m by the developer. The exact routing and trenching requirement will need to be agreed with UKPN.
- 5.5.2 Service cables will enter each dwelling from the new underground network to each individual utility cupboard, using a suitable fused cut out and backboard, in compliance with the UKPN requirements. Associated metering equipment will be installed within the dwelling's utility cupboard by the designated energy provider.

5.6 **Gas**

5.6.1 No new gas supplies are required to site as it is anticipated that the development will be 'all electric'. All heating / cooling and HWS generation will be provided by air source heat pumps (ASHPs).

5.7 **Telecoms/Data**

5.7.1 An online search using Ofcom's Mobile and broadband checker has confirmed that there is predicted standard, superfast and ultrafast services in the area of the site. However, at this stage of the project, the site has not been registered and a developed site plan with dwelling locations would be required.

5.7.2 An underground network of data cables will be required within the development for telecom and data services. Generally, the Client will install underground ducts to facilitate the installation of cables by Openreach.

5.7.3 Data/telecom ducts can be installed within multi-service trenches, however the separation distances according to current regulations shall be ensured.

5.8 **Proposed Utilities Services Drawings**

At the time of writing the report no only an illustrative masterplan was available. Proposed utilities routes through the site and firm quotes are to be developed once these layouts are available / fixed.

6. UTILITIES REQUIREMENTS FOR CONSTRUCTION PHASE

6.1 Water

6.1.1 During construction, a water supply would be required for each phase to serve construction plant machinery and site accommodations including offices and welfare facilities. A new connection will be made to the nearest water main.

6.2 Drainage

6.2.1 New connections will be made to the nearest foul water sewer and surface water drainage features to serve mainly site accommodations, including offices and welfare facilities.

6.3 Telecoms

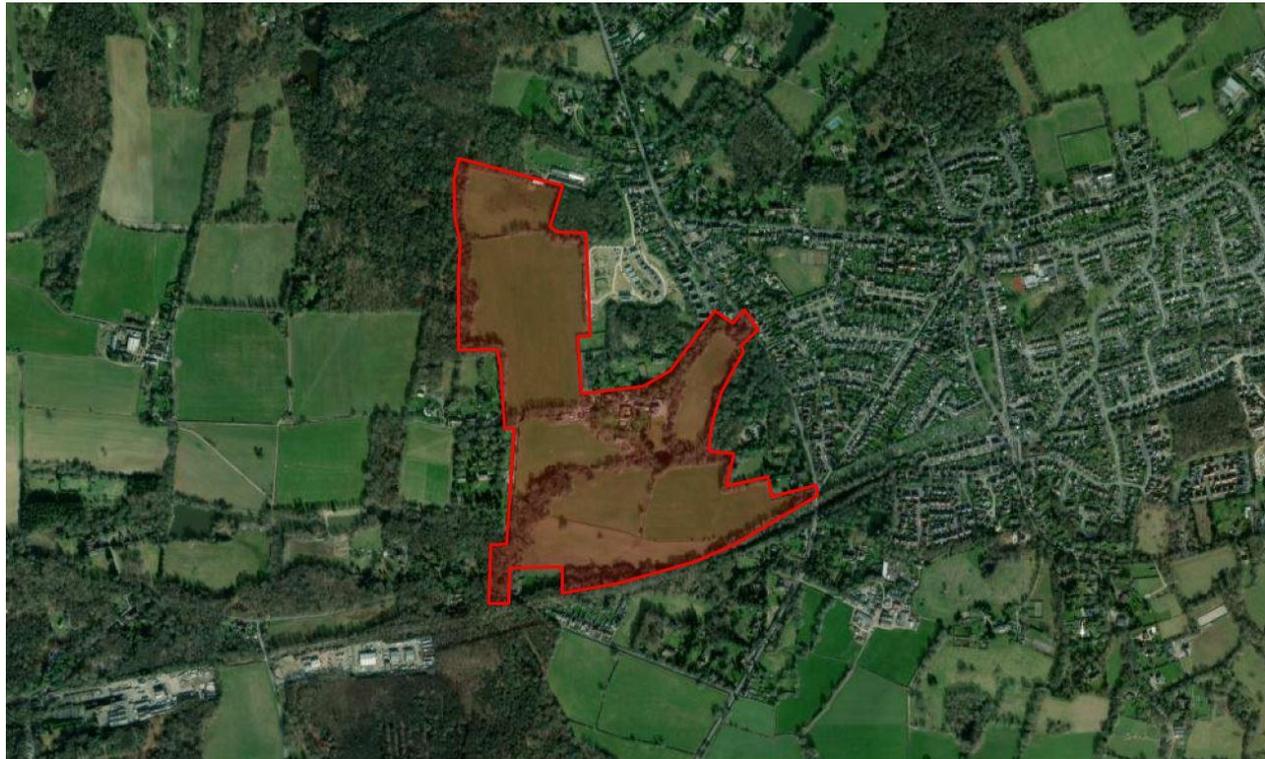
6.3.1 During construction, telecommunications would be required to mainly serve the site offices. A connection would be made to the nearest existing telecommunications supplier line to minimise the disruption to public road and/or footpaths.

6.4 Electricity

6.4.1 Electrical power supply will be required for the operation of the plant, machinery and site accommodations including offices and welfare facilities. A temporary connection application will need to be submitted to UKPN. It is important to note that dependent of the direction taken for the disconnection / rerouting of the current LV network running across the site, temporary power supplies may also be needed to feed the existing properties to the west of the site.

APPENDIX A

EXISTING UTILITY SEARCHES INFORMATION



Land west of Crawley Down

**Wychwood Place
Hurst Farm
Worth
Crawley Down
West Sussex
RH10 4BE**

05/03/2024

PROJECT NO.

610831

ISSUE NO.

1

STATUS

For Information

 **RAMBOLL**

Utility Search
Premier



Introduction

This report assesses the potential constraints presented by the existing utility infrastructure both within the boundary and in the vicinity of the search area.

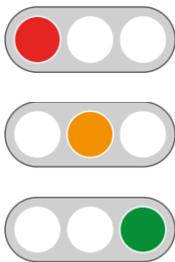
The report is based on the information provided by the client about the location of the search area and the information provided by the utilities about their existing plant and networks. The information contained in this report is based on desk research only.

What is a utility constraint?

We use the term constraint to indicate that there may be limitations or prohibitions on designs and planned works due to the presence of utility apparatus. To overcome these can be costly and time-consuming. Depending on the legal rights and statutory powers of the utility the costs may have to be borne by the applicant/developer.

Report interpretation

We have developed a simple traffic light mechanism to present site constraints based on a red/amber/green evaluation;



Red – site constraints exist due to the presence of utility apparatus.

Amber – site constraints may exist due to the proximity of utility apparatus.

Green – site constraints do not appear to exist.

This report conforms to QL-D of PAS 128:2022 - Underground Utility Detection, Verification and Location - Specification. To obtain further detail on utility locations consider site reconnaissance (QL-C), detection (QL-B) and verification (QL-A) as recommended under 'Important Information'.

Prepared by

Signed off by

Tara McCallion

M. Allfrey

Tara McCallion

Max Allfrey



Certificate Number 6206



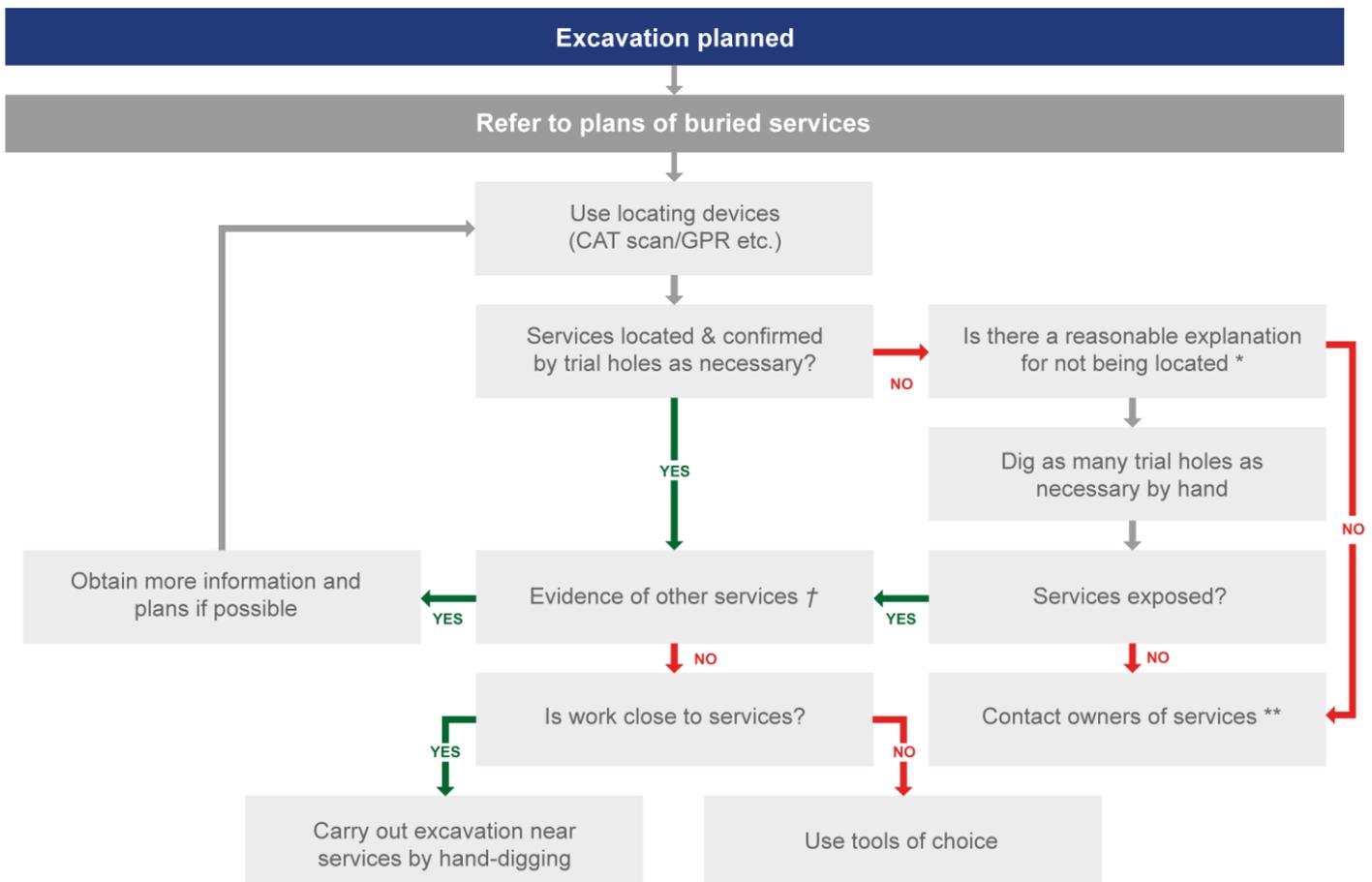
Premier Energy Services Ltd has taken all reasonable steps, within the timescales, to obtain the most robust information in this report but accepts no liability for the accuracy of such information or report and in addition to any limitation of liability under its Standard Terms and Conditions. These services are provided subject to our standard Scope of Services, the Supplementary Terms and our Standard Terms and Conditions.

This report is for the private and confidential use of the client for whom the report is undertaken and should not be reproduced in whole or in part or relied upon by third parties for any use whatsoever without the express authority of Premier Energy Services Ltd.

Important Information

This flow diagram is intended to help give an understanding of the process from referring to plans on-site through to the start of excavation, for example when excavating in a road or footway. However it:

- Describes only part of the process; it does not, for example, describe planning the work, including reference to plans at the design stage;
- Is a simplified picture and not a substitute for reading the text;
- Is not a substitute for a suitable and sufficient risk assessment;
- Does not take account of a number of other situations, e.g. cable embedded in concrete or those situations where resiting services is proposed.



* For example, could services be non-metallic pipes? Please refer to HS (G) 47 text for further information.

† In particular; visual evidence. Ensure that the presence of services, which may be unmarked on plans or for which no plans are available, has been considered, for example service connections.

** If there is visual evidence of services, but owners cannot be traced, despite all reasonable attempts to do so, any excavation could proceed but using hand-dug trial holes and proceeding with great care.



Important Information

Relevant Documents

The following documents must be referred to before work commences in the vicinity of existing services:

- Health and Safety Booklet HS (GS) 6 Avoidance of Danger from Overhead Electric Lines.
- General Safety Measures to Avoid Injury and Damage to Gas Apparatus.
- HSE Guidance Note HS (G) 47 Avoiding Danger from Underground Services.
- National Joint Utilities Group (NJUG) Publications Vol. 1.
- CDM Regulations 2015.
- PAS 128:2022 Underground Utility Detection, Verification and Location - Specification.

Basic Risk Assumption for all Services

When dealing with existing services the following assumptions must always be accepted:

- All existing buildings have gas, water electric and telecoms supplies to them until proven otherwise.
- Any supply to an existing building, no matter how old the building is or how deteriorated the supply may appear, is taken to be 'live' until proven otherwise.
- All open land, vacant lots and derelict sites are deemed to have services beneath them until proven otherwise.
- The only acceptable proof that a service is 'dead' and can be removed is written confirmation from the owner of the service.
- The quality and accuracy of information provided by utilities about their existing plant is indicative and no warranty is made as to its accuracy. Therefore, any utility asset maps and/or marked up drawings provided by each utility must only be used as a guide and the actual location of plant should be verified by EML/GPR survey or trial holes before construction works commence.

Please note not all service connections are shown on the utility asset maps.

Plant Found Within Site Boundaries

Where utility plant is found within the site boundary, it is recommended for the client to check for legal easements or wayleaves.

Diversions of plant within site boundaries can be expensive and time consuming to relocate. Further investigation of costs and timescales are recommended. Please ask PES for further details.

Desk Research

With several utility suppliers, PES use their own databases to check if assets are likely to be in the vicinity. These utilities are shown with a tick under the Desk Research column in the Enclosures list. Our utility contact schedule can be provided on request.

It must be noted that certain utility companies do not respond if their plant is unaffected and we issue these with a green (unaffected) traffic light unless otherwise informed.



Enclosures

Type	Company	In Vicinity	Desk Research	Awaiting Response
Electricity	UK Power Networks			
Water	South East Water			
Drainage	Thames Water			
	Southern Water			
Gas	SGN			
Openreach	Openreach			
Virgin Media	Virgin Media			
Independents	GTC			
	SSE Utility Solutions Limited			
	Other independents		✓	
Linesearch (LSBUD)	UK Power Networks, SGN, SSE Utility Solutions Limited			
	EXA Infrastructure			
Comms.	Vodafone			
	Colt			
	SKY Telecommunications			
	Lumen Technologies			
	Verizon			
	SOTA		✓	
	KCOM		✓	
	Arelion		✓	



Type	Company	In Vicinity	Desk Research	Awaiting Response
	CityFibre		✓	
	Mast Data/MBNL			
Tunnels & Pipelines	Onshore Cables		✓	
	EQUANS (formerly ENGIE)		✓	
	ElecLink Interconnector		✓	
Transport	Network Rail			
	HS 1 (High Speed Rail)		✓	
	Genesys		✓	
	West Sussex County Council			



Acronyms Key

Apparatus			
Electric			
DNO	Distribution Network Operator	kVA	Kilo Volt Amperes
IDNO	Independent Distribution Network Operator	MVA	Mega Volt Amperes
ICP	Independent Connections Provider	AC	Alternating Current
LV	Low Voltage	S/S	Substation
HV	High Voltage	PMT	Pole Mounted Transformer
EHV	Extra High Voltage		
Water			
SLO	Self Lay Organisation	WRAS	Water Regulation Advisory Scheme
Incumbent	Local Water or Water & Sewerage Company		
Gas			
GDN	Gas Distribution Network	LP	Low Pressure
IGT	Independent Gas Transporter	MP	Medium Pressure
UIP	Utility Infrastructure Provider	IP	Intermediate Pressure
PRS	Pressure Reducing Station (Governor)	HP	High Pressure
Others			
PES	Premier Energy Services	CATV	Cable Television
PE	Polyethylene	FTTP	Fibre to the premise
DI	Ductile Iron	FTTC	Fibre to the cabinet
ST	Steel	l/min	Litres per minute
CI	Cast Iron	H&S	Health & Safety
SI	Spun Iron	HBF	House Builders Federation
HPPE	High Performance Polyethylene	TPO	Tree Preservation Order
MDPE	Medium Density Polyethylene	TBC	To be confirmed
GRP	Glass Reinforced Plastic	N/A	Not Applicable



Utility Consultancy Products

If you are progressing with the development of this site, then you should consider our range of Consultancy services. These range from a site investigation report and developing a site wide utility strategy, to coordinating disconnections, procuring diversion estimates and obtaining quotes for new connections from the competitive market.

Visit our website <https://www.premierenergy.co.uk/consultancy/> to learn more about these services or contact us to find out how we can help reduce risk and minimise utility costs on this project.



Site Investigation Report

A critical part of the process during planning, budgeting and identifying cost constraints when considering land acquisition and concept design.



New Connections

Independent evaluation of the range of utility infrastructure solutions available to secure the best value for your project for either temporary or permanent connections.



Utility Drawings

Our utility drawings are unique as we endeavour to plan the utilities according to NJUG requirements and coordinate with other consultants' information such as drainage, landscape design and MEP services.



Diversions

Taking forward projects based on the New Roads and Street Works Act stages C1 to C9 and managing the relocation of existing utility assets. Often diversions can be incorporated into the new connections to save time and money.



Disconnections

Each utility organisation has a different disconnection process to follow. We have the experience and expertise to manage the process from start to finish including initial site surveys and coordinating the works.



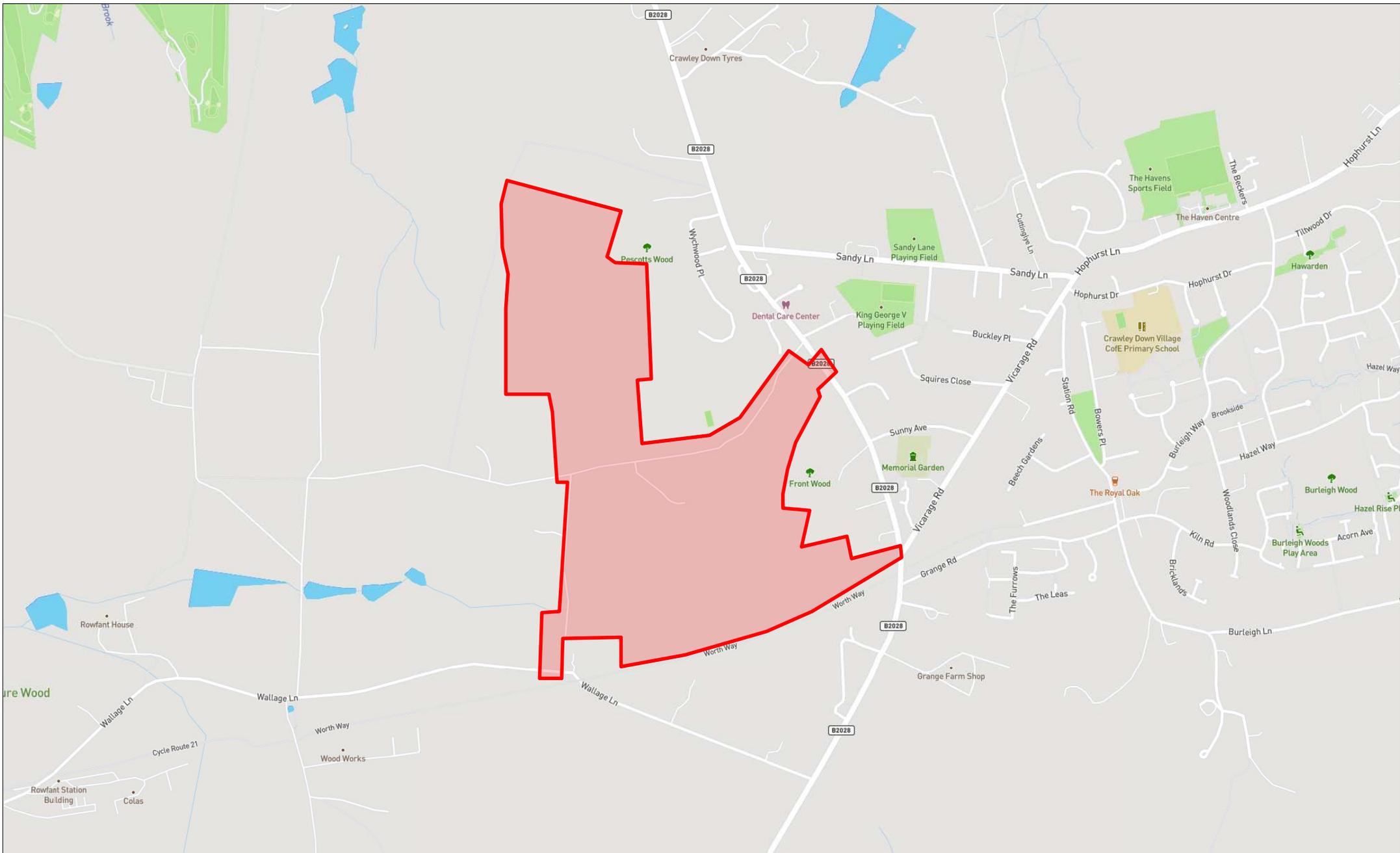
Project Support

We can keep track of progress using our experienced team to ensure projects are delivered on time and budget. We can also meet on-site with utilities and your site staff to plan the works to ensure no essential elements of utility infrastructure work are missed.



Commercial Metering

We offer a bespoke commercial meter installation and energy supply contract service. Together with our partners we assist with coordinating the connection of metering and sourcing of energy supply contracts on commercial installations.



Request Ref: 513491

Wychwood Place, Hurst Farm, Worth, Crawley Down, Mid
Sussex, West Sussex, RH10 4BE
Eastings 533672, **Northings** 137511

Imagery sourced from Open Street Maps

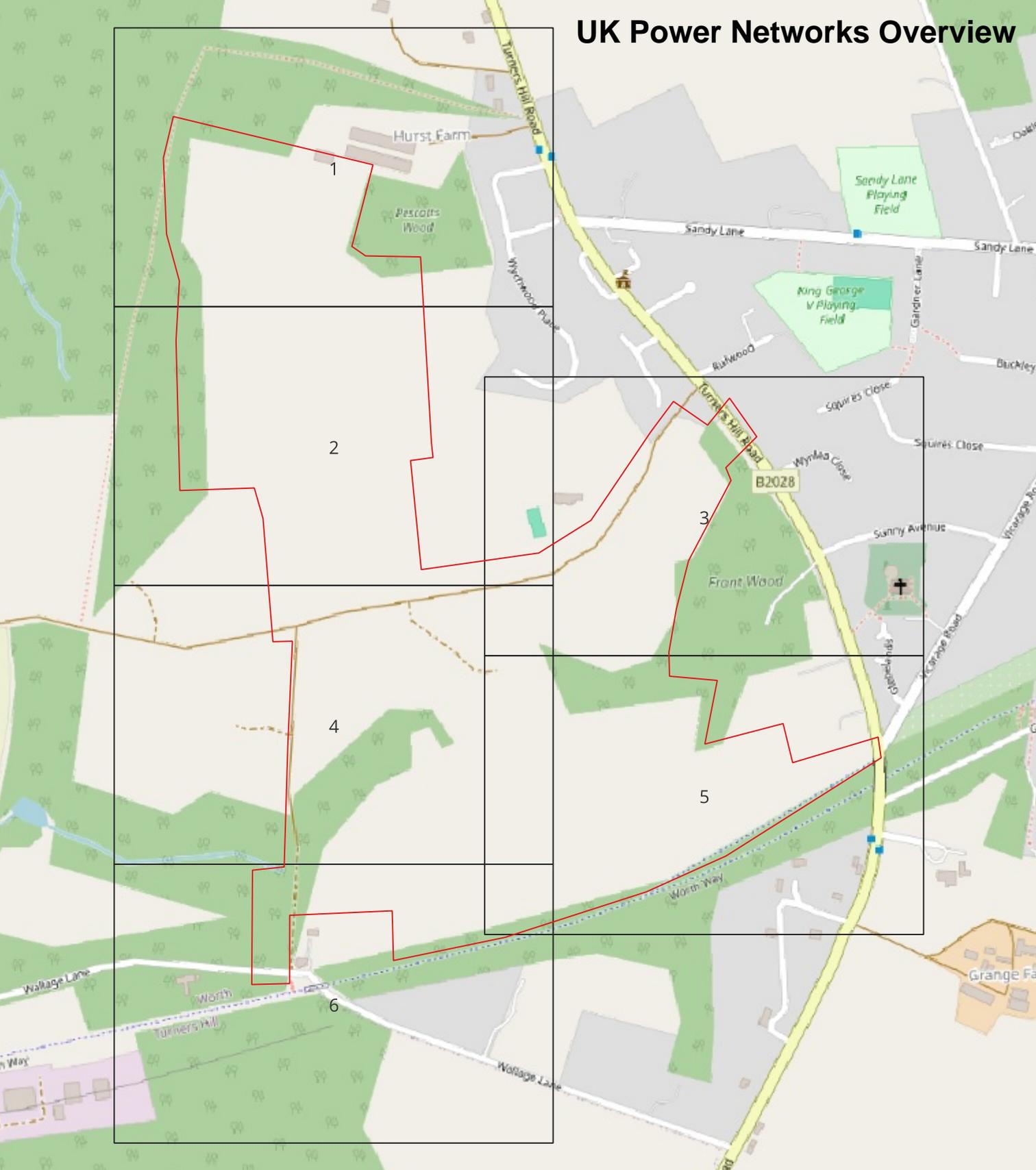


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Imagery sourced from ArcGIS World Imagery

UK Power Networks Overview





LV Cable or Line
 HV Cable or Line
 EHV Cable or Line
 Ductline
 Pole & Street Furniture
 Substation & Link Box

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0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m 110m 120m 130m 140m 150m 160m 170m 180m 190m 200m

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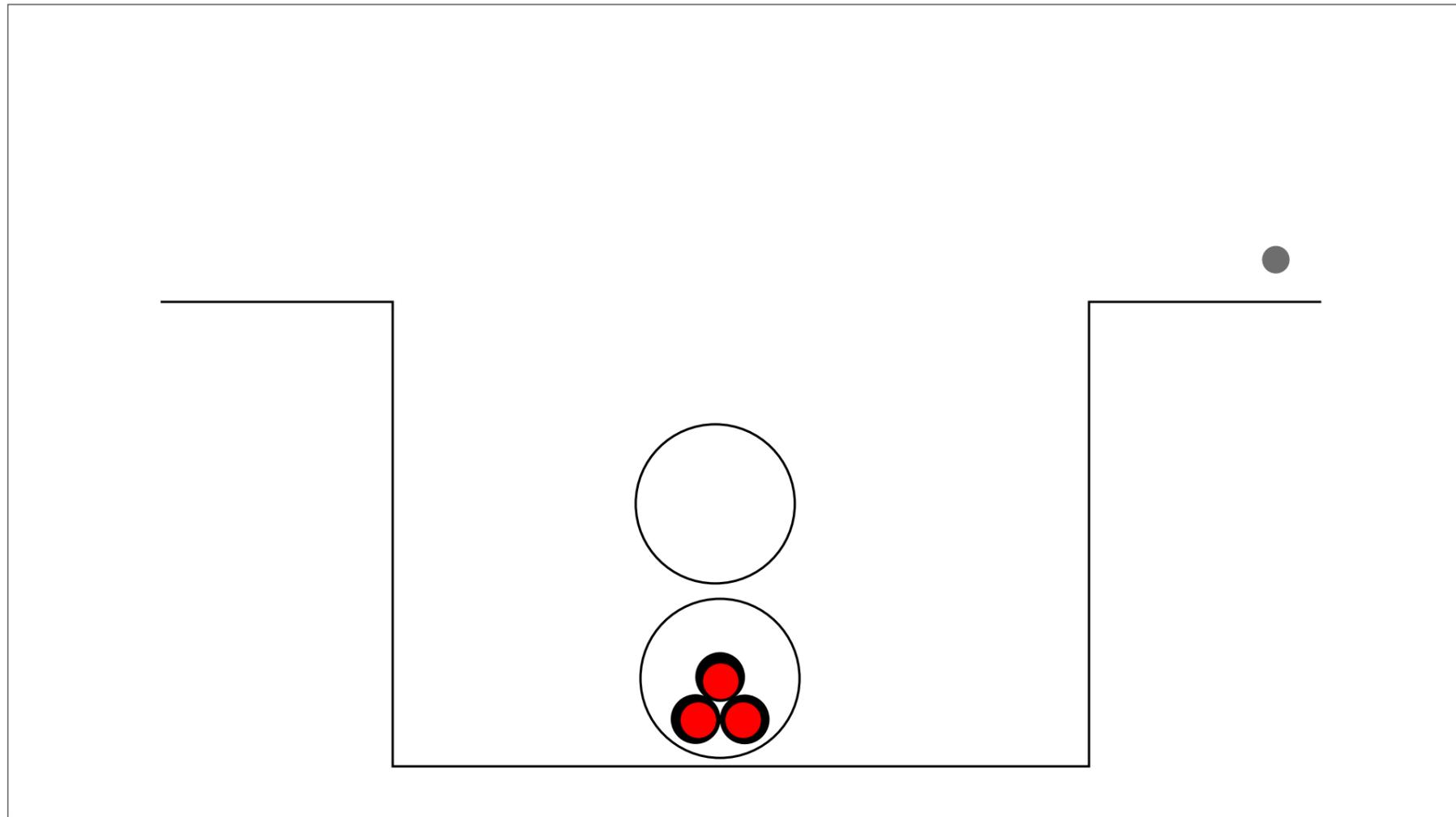
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Grid Ref: TQ 33535 38036
 Map Centre: TQ33385E
 Scale: 1:500
 (When Plotted at A0)
 Plotted on: 21/02/2024
 Plotted by: sw-cloud-user

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Cross Section

2402364

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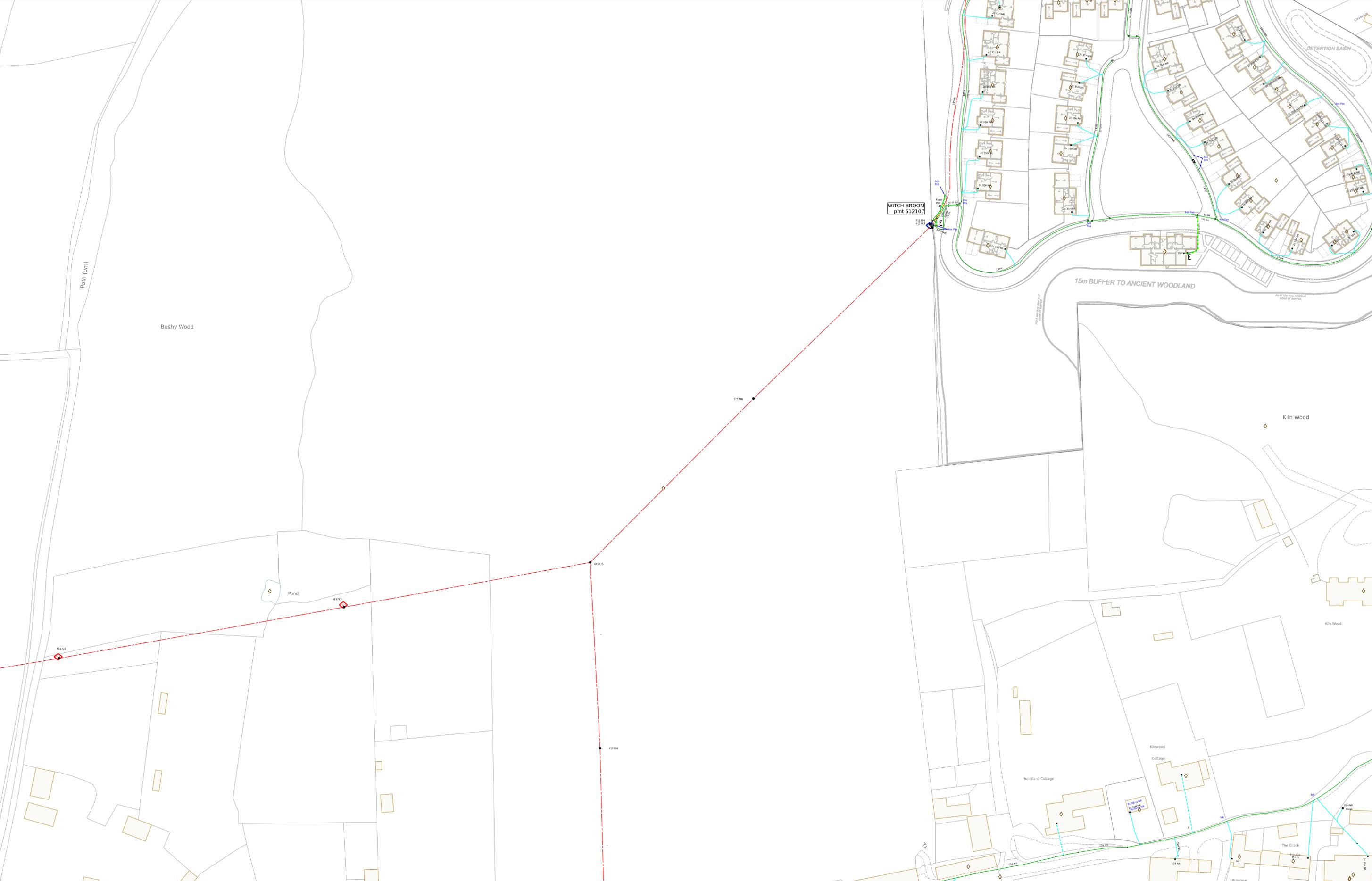
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LV Cable or Line
 HV Cable or Line
 EHV Cable or Line
 Approx. position
 Ductline
 Pole & Street Furniture
 Substation & Link Box

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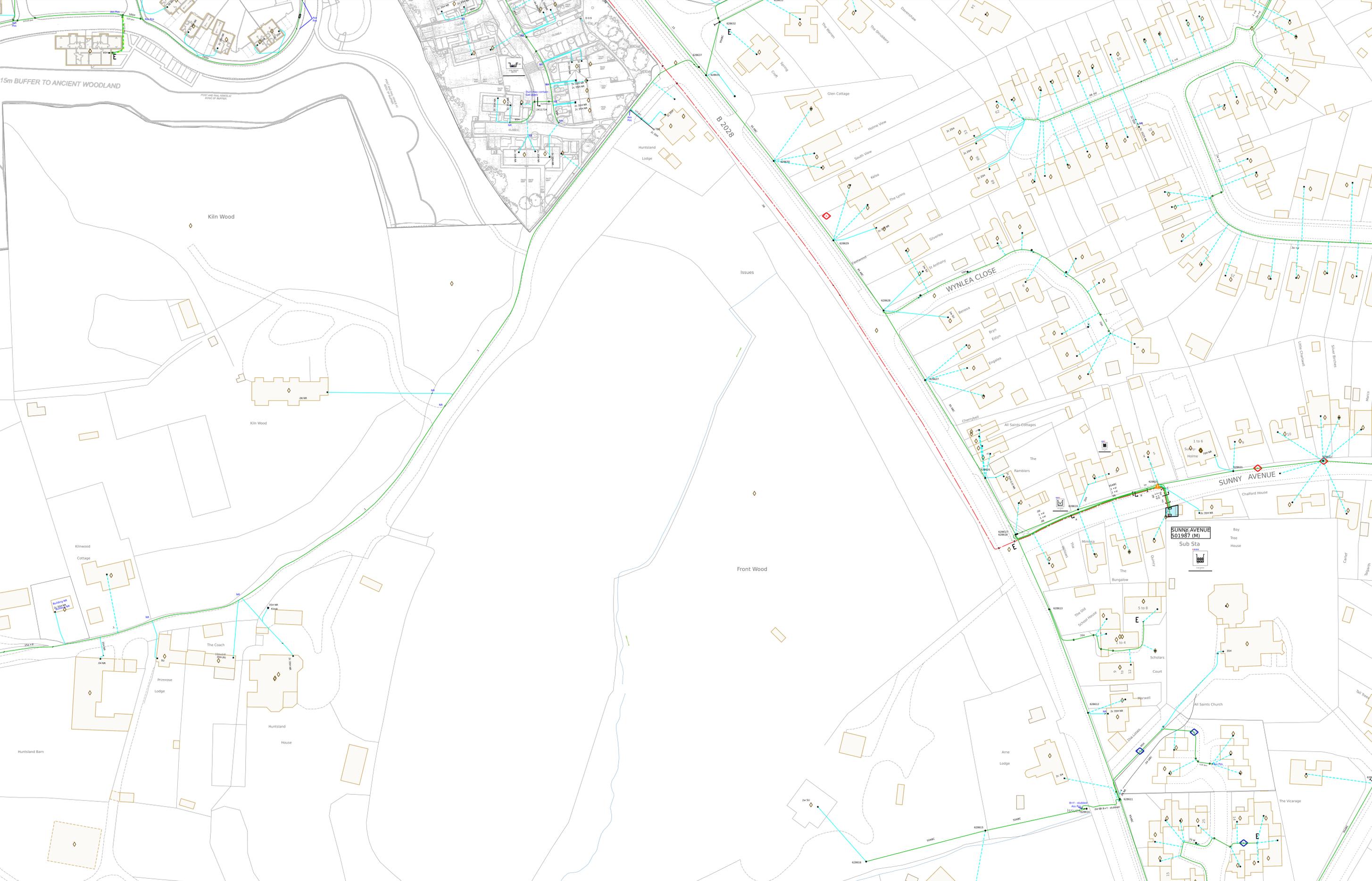
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Grid Ref: TQ 33535 37696
 Map Centre: TQ3337NE
 Scale: 1:500
 (When Plotted at A0)
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UK Power Networks



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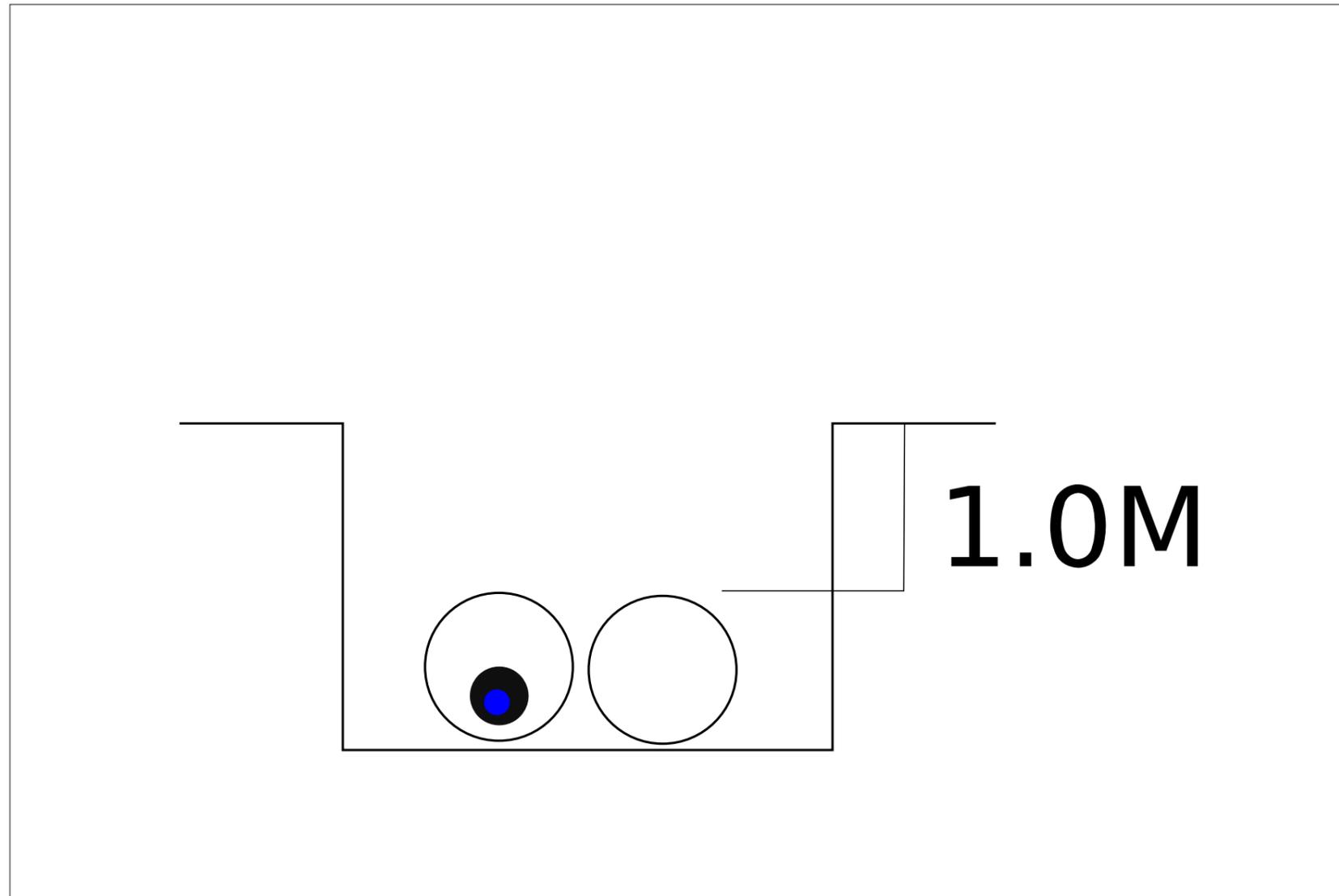
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 Map Centre: TQ3337NE
 Scale: 1:500
 (When Plotted at A3)
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 Plotted by: sw-cloud-user

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Cross Section

2411734

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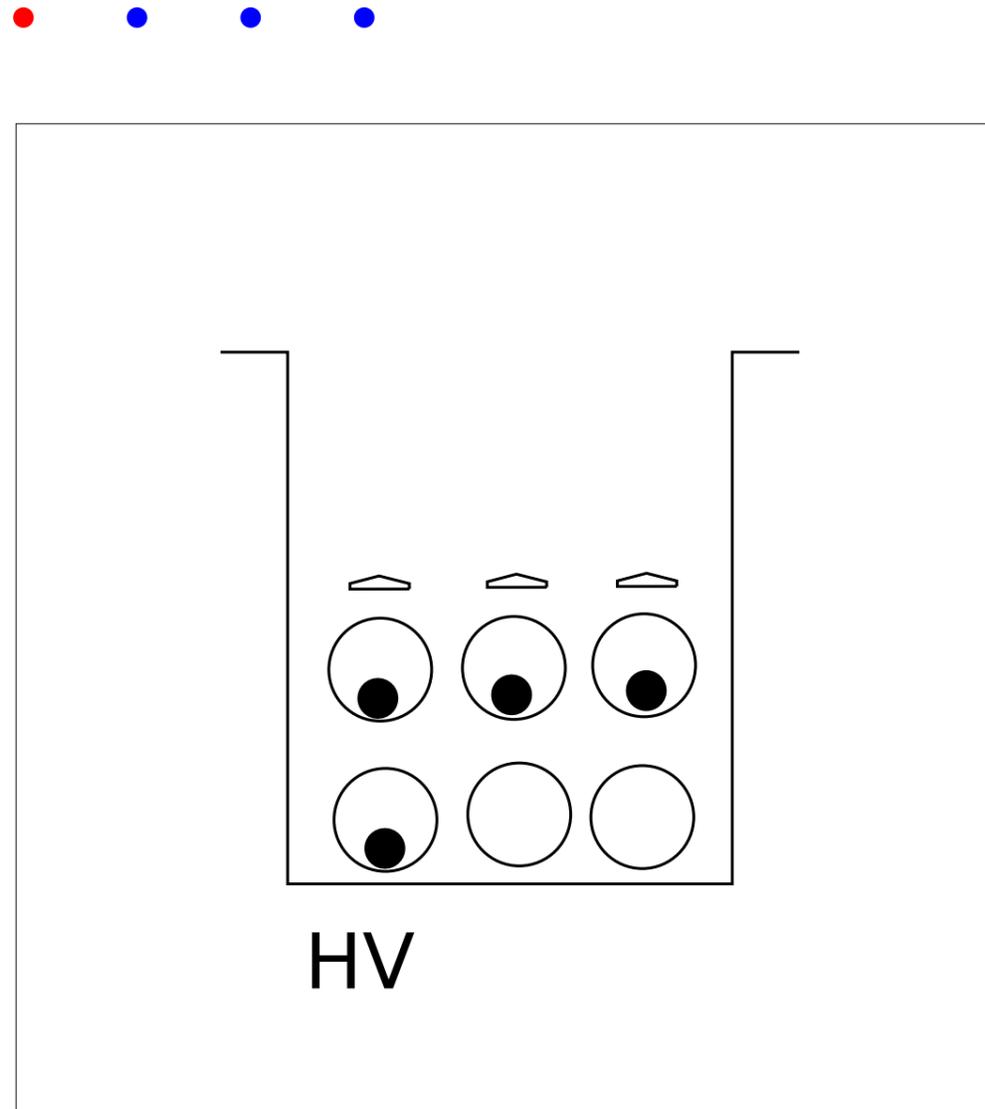
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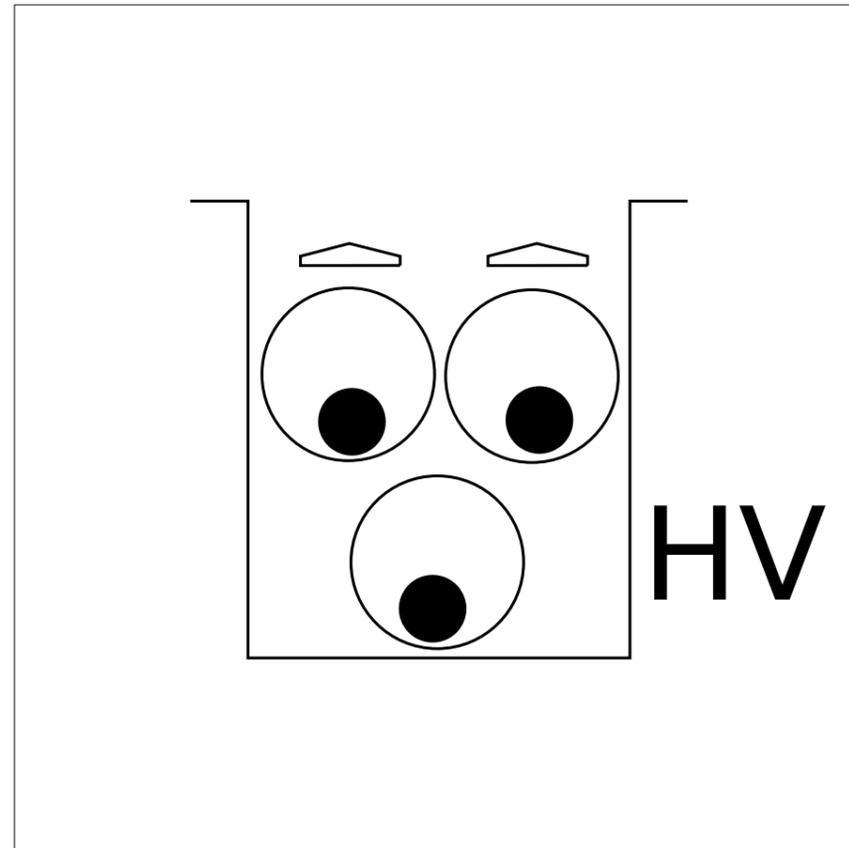
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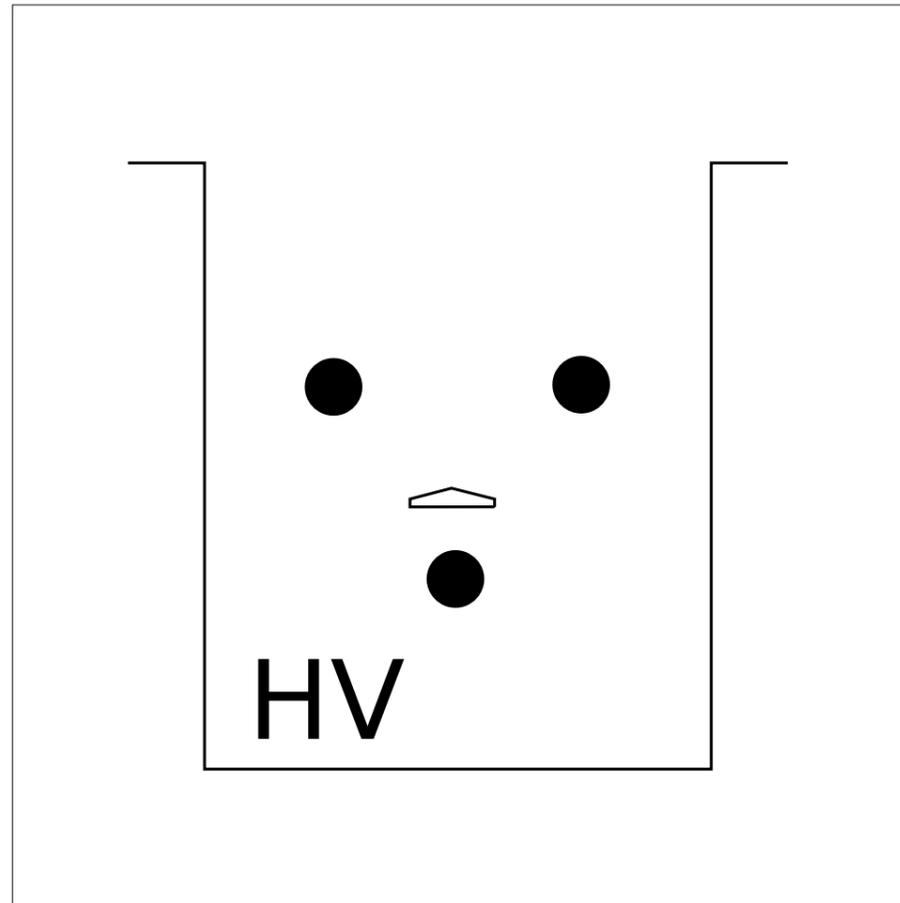
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Cross Section

A

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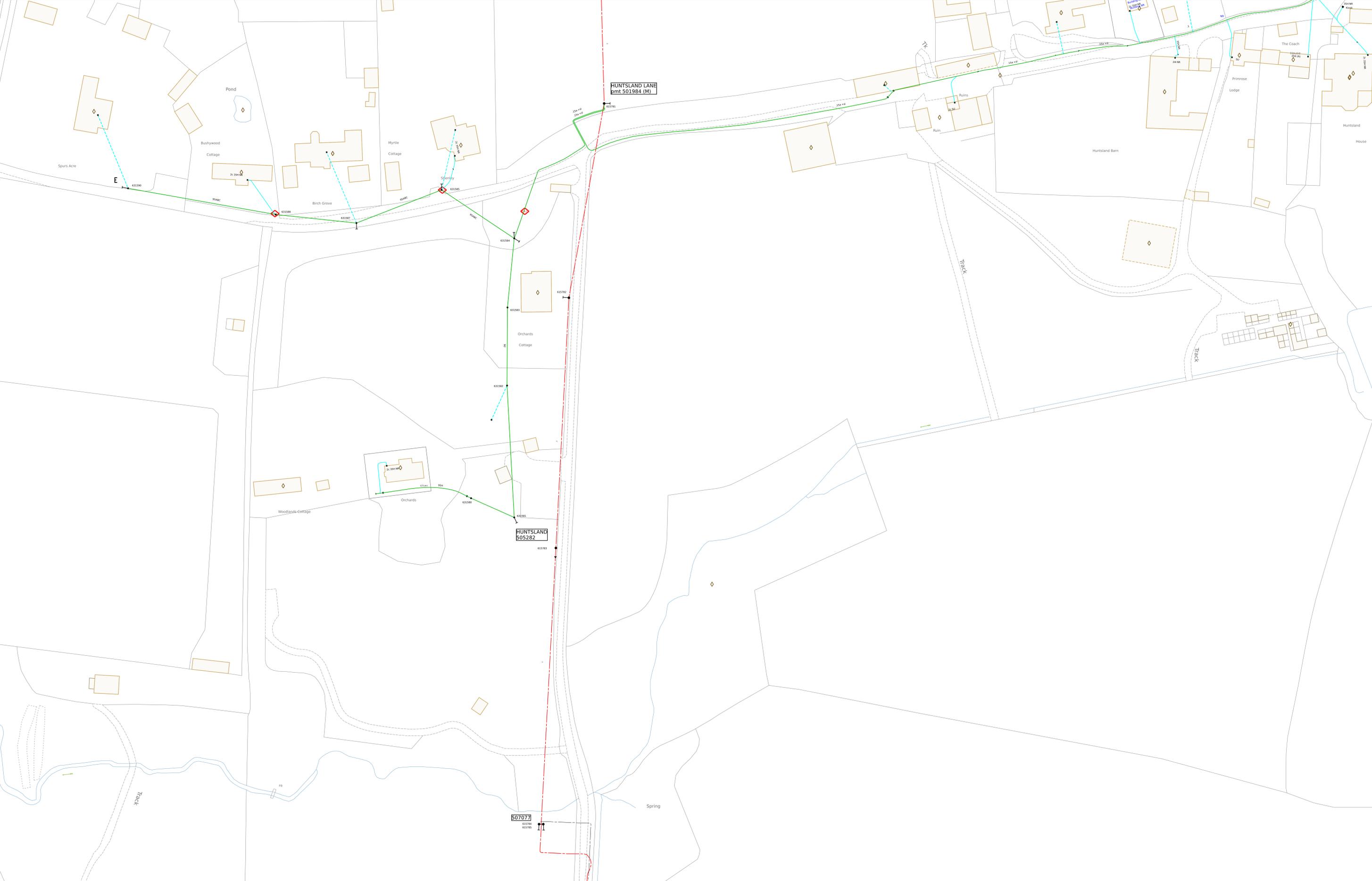
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7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

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 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 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 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 you 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.

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

VISITING AN OPEN POINT? Please mark on this plan all locations visited and open points as found, then return updated map to your Business Unit - Thank You.

Contact UK Power Networks on 0800 056 5866 for details of EHV Cable routes before commencing work.

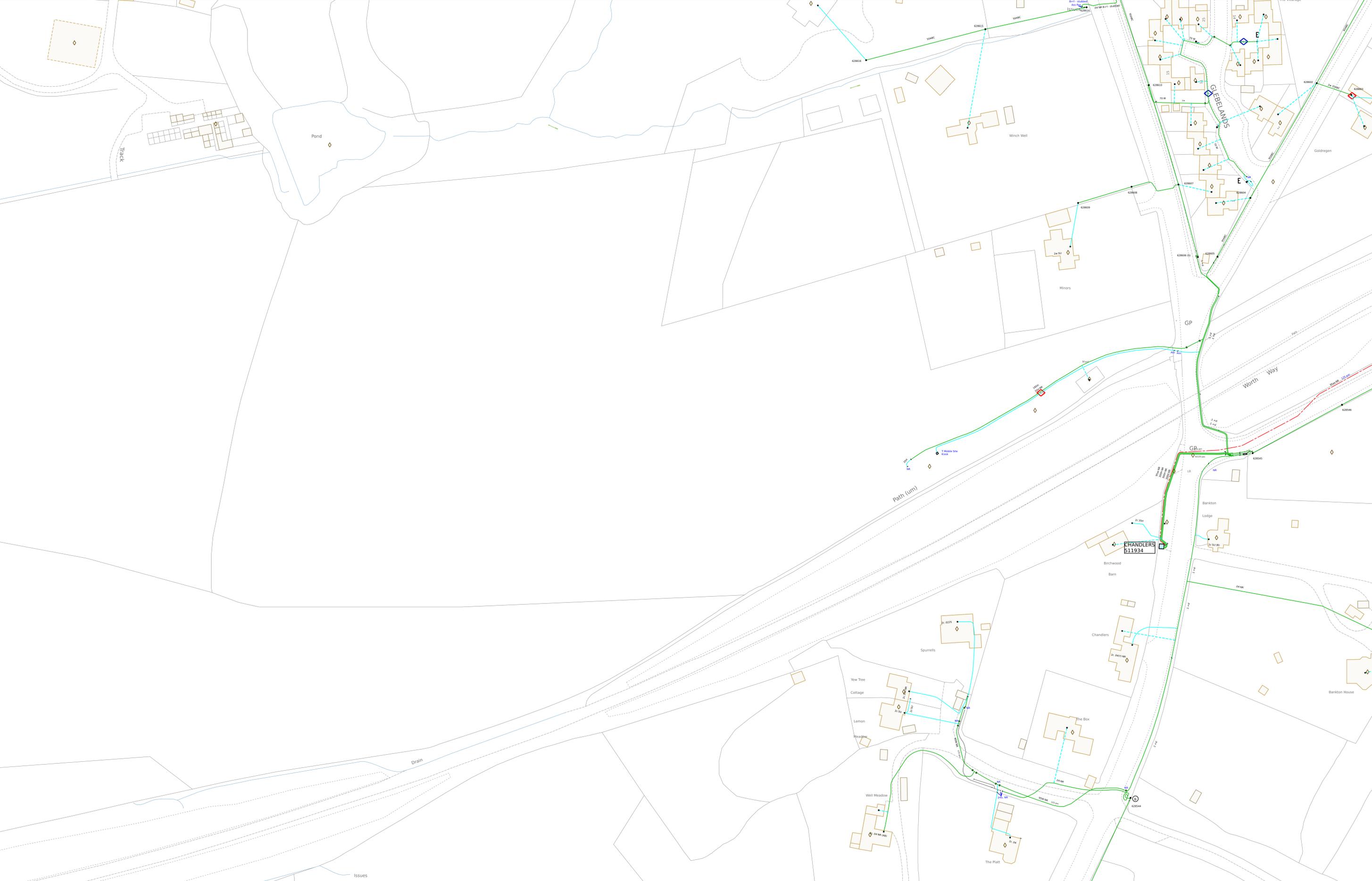
Maps produced at 1:2500 scale are LV Geo-Schematics which show LV main cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

Plan Provision

CHECK IT OUT BEFORE YOU DIG IT
CALL 0800 056 5866
EMERGENCY: If you damage a cable or the
Phone 0800 056 3766 (24hrs)
URGENTLY

UK Power Networks

Grid Ref: TQ 33535 37356
Map Centre: TQ33375E
Scale: 1:500
(When Plotted at A0)
Plotted on: 21/02/2024
Plotted by: sw-cloud-user



LV Cable or Line
 HV Cable or Line
 EHV Cable or Line
 Ductline
 Pole & Street Furniture
 Substation & Link Box

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 or picks until the exact location of all cables have been determined.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all cables have been determined.
 4. It must be assumed that each property and item of street furniture has an electricity supply. Service cables shown only where known.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information provided must be given to all people working near UK Power Networks plant & 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.

0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m 110m 120m 130m 140m 150m 160m 170m 180m 190m 200m

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 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 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 you must return it to the sender of the letter.
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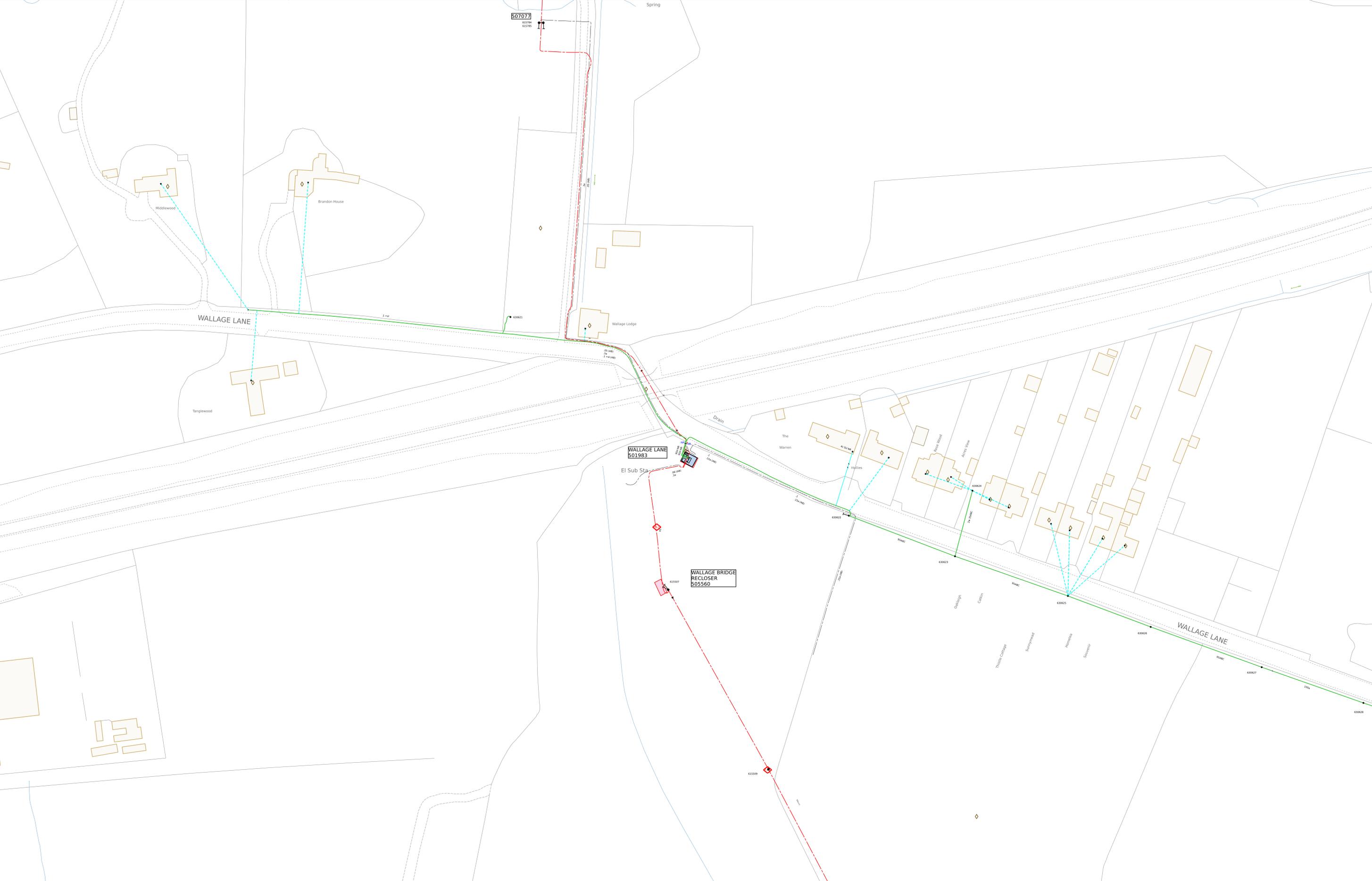
VISITING AN OPEN POINT? Please mark on this plan all locations visited and open points as found, then return updated map to your Business Unit - Thank You.
 Contact UK Power Networks on 0800 056 5866 for details of EHV Cable routes before commencing work.
 Maps produced at 1:2500 scale are LV Geo-Schematics 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.

Plan Provision
 CHECK IT OUT BEFORE YOU DIG IT OUT
 CALL 0800 056 5866
 EMERGENCY: If you damage a cable or the phone 0800 056 3766 (24hrs) URGENTLY

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

Grid Ref: TQ 33991 37271
 Map Centre: TQ33375E
 Scale: 1:500
 (When Plotted at A0)
 Plotted on: 21/02/2024
 Plotted by: sw-cloud-user

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- LV Cable or Line
 - EHV Cable or Line
 - Ductline
 - Pole & Street Furniture
 - Substation & Link Box
1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
 2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.
 3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all cables have been determined.
 4. It must be assumed that each property and item of street furniture has an electricity supply. Service cables shown only where known.
 5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
 6. The information provided must be given to all people working near UK Power Networks plant & 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.
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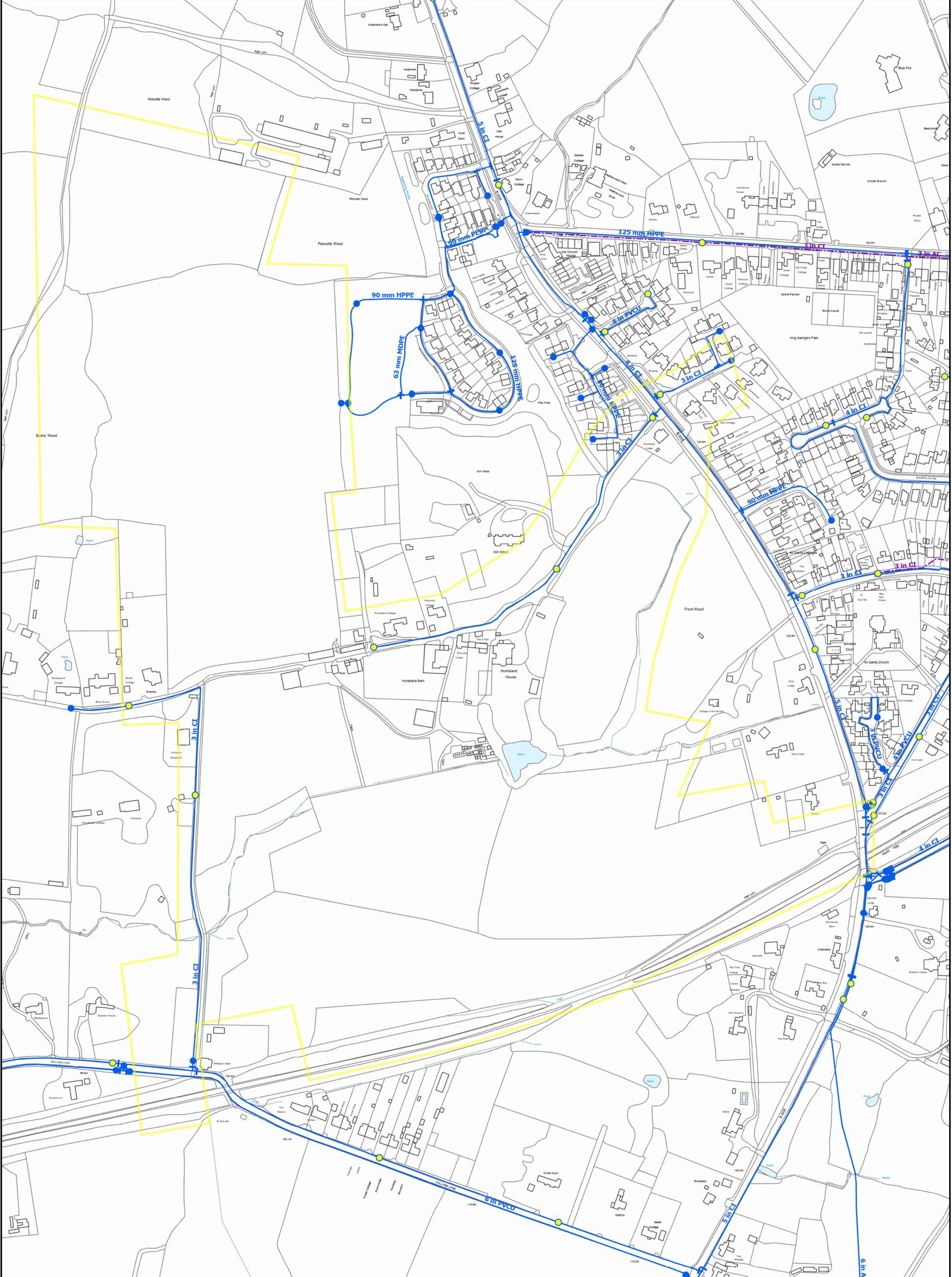
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 Refer to HSE Guidance note GS6

Grid Ref: TQ 33535 37016
 Map Centre: TQ33375E
 Scale: 1:500
 (When Plotted at A0)
 Plotted on: 21/02/2024
 Plotted by: sw-cloud-user



Drawing Title: Land west of Crawley Down

South East Water Mains and Fittings	
	Distribution Main
	Abandoned Main
	Company Boundary
	Meter
	Pressure Valve
	Air Valve
	Valve
	Washout
	Fire Hydrant

Reference:	
Plot Date:	21/02/2024
Grid Reference:	533,787,7554 137,488,6757
Scale:	1:2,500

south east water

(Water Maps)
 Rodford Road
 Spalding, Kent
 ME18 5AH
 Telephone: 0333 000 0058 (Option 5)
 Email: water.maps@southeastwater.co.uk
 Website: www.southeastwater.co.uk

This plan is based upon an Ordnance Survey map. © Crown copyright and database rights 2023 Ordnance Survey Licence No. AC0900850483 The position of the water mains shown on this plan should not be relied upon as being precise. South East Water accept no responsibility in the event of inaccuracy. For further information about the contents of this plan please contact South East Water Ltd. This plan (or part) may not be reproduced in any form without the permission of South East Water Ltd.

Asset location search



Property Searches

Premier Energy Services
Premier House
Daux Road
BILLINGSHURST
RH14 9SJ

Search address supplied Land west of Crawley Down
Wychwood Place
Hurst Farm
Worth
Crawley Down
West Sussex
RH10 4BE

Your reference Land west of Crawley Down

Our reference ALS/ALS Standard/2024_4950487

Search date 26 February 2024

Notification of Price Changes

From 1st April 2023 Thames water Property Searches will be increasing the prices of its CON29DW, CommercialDW Drainage & Water Enquiries and Asset Location Searches. Historically costs would rise in line with RPI but as this currently sits at 14.2%, we are capping it at 10%.

Customers will be emailed with the new prices by January 1st 2023.

Any orders received with a higher payment prior to the 1st April 2023 will be non-refundable. For further details on the price increase please visit our website at www.thameswater-propertysearches.co.uk



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



searches@thameswater.co.uk
www.thameswater-propertysearches.co.uk



0800 009 4540

Search address supplied: Land west of Crawley Down, Wychwood Place, Hurst Farm, Worth, Crawley Down, West Sussex, RH10 4BE

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 0800 009 4540, or use the address below:

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

Email: searches@thameswater.co.uk

Web: www.thameswater-propertysearches.co.uk

Waste Water Services

Please provide a copy extract from the public sewer map.

The following quartiles have been printed as they fall within Thames' sewerage area:

TQ3338SE
TQ3337NW
TQ3437NW
TQ3437SW
TQ3337SE
TQ3337SW
TQ3337NE

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.

The following quartiles have not been printed as they contain no assets:

TQ3338SW

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.

Following examination of our statutory maps, Thames Water has been unable to find any plans of water mains within this area. If you require a connection to the public water supply system, please write to:

New Connections / Diversions
Thames Water
Network Services Business Centre
Brentford
Middlesex
TW8 0EE

Tel: 0845 850 2777
Fax: 0207 713 3858
Email: developer.services@thameswater.co.uk

The following quartiles have not been printed as they are out of Thames' water catchment area. For details of the assets requested please contact the water company indicated below:

TQ3338SE	South East
TQ3338SW	South East
TQ3337NW	South East
TQ3437NW	South East
TQ3437SW	South East
TQ3337SE	South East
TQ3337SW	South East
TQ3337NE	South East

South East Water Ltd
Rocfort Road
Snodland
Kent
ME6 5AH

Tel: 0845 301 0845
Website: www.southeastwater.co.uk.

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

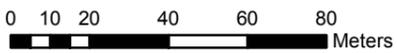
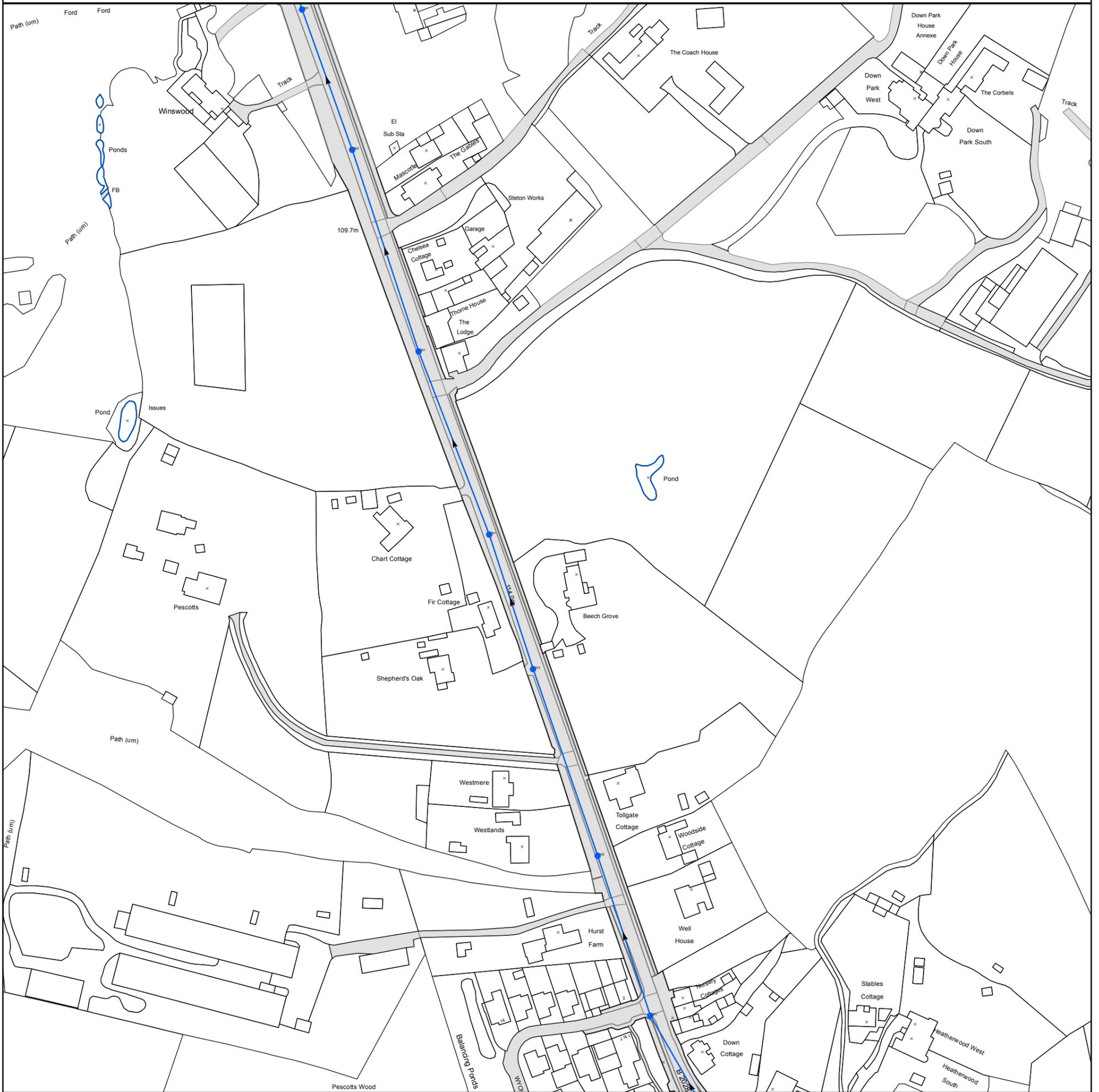
Tel: 0800 009 3921
Email: developer.services@thameswater.co.uk

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



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 before any works are undertaken. Crown copyright Reserved

Scale: 1:1789
Width: 500m
Printed By: TSOMASUN
Print Date: 27/02/2024
Map Centre: 533750,138250
Grid Reference: TQ3338SE

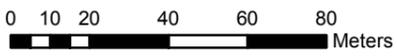
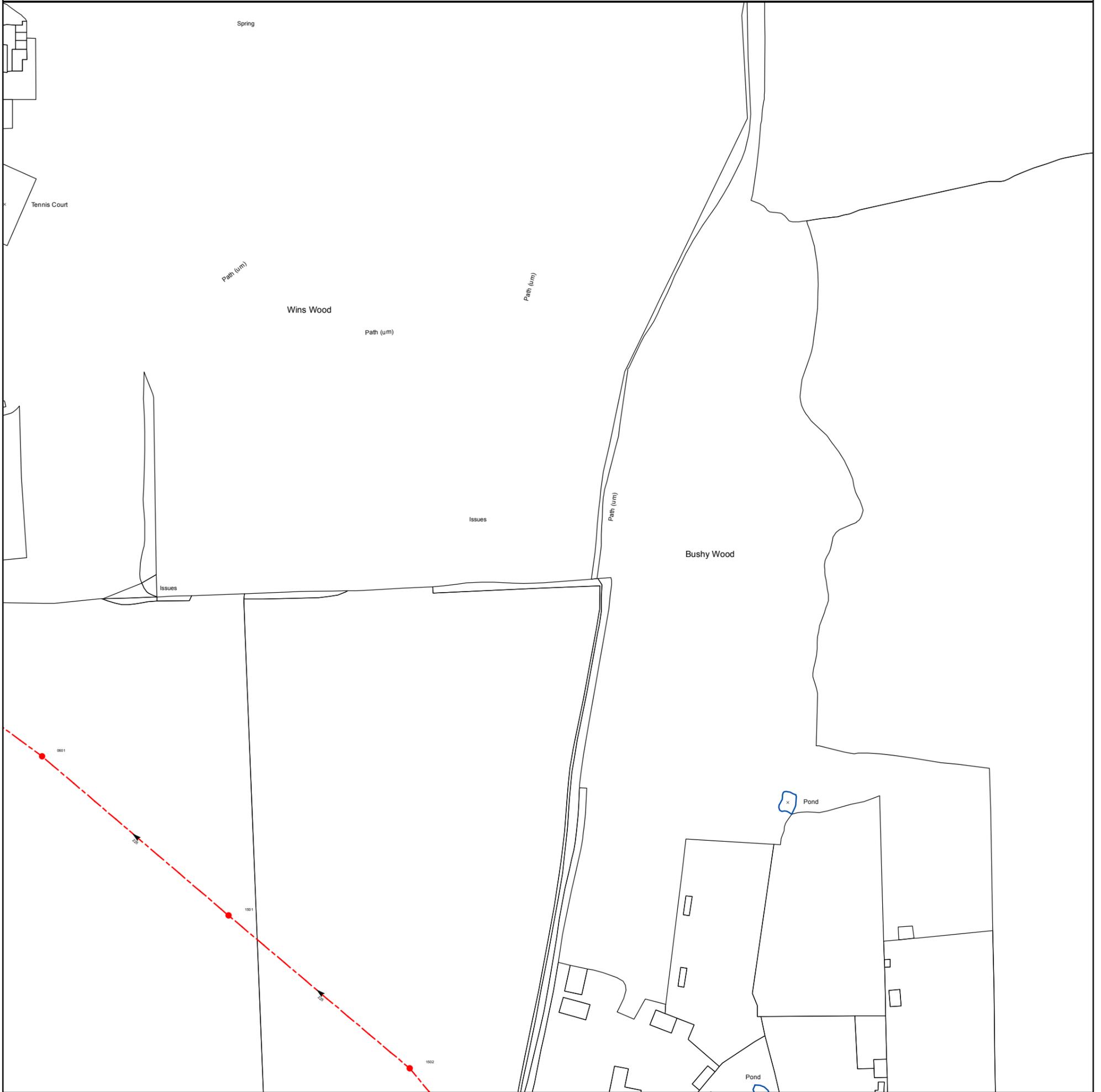
Comments:

ALS/ALS Standard/2024_4950487

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
7102		
6402		
7201		
7001		

REFERENCE	COVER LEVEL	INVERT LEVEL
6401		
6301		
7103		



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Scale: 1:1789
Width: 500m
Printed By: TSOMASUN
Print Date: 27/02/2024
Map Centre: 533250,137750
Grid Reference: TQ3337NW

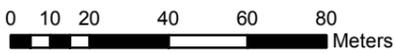
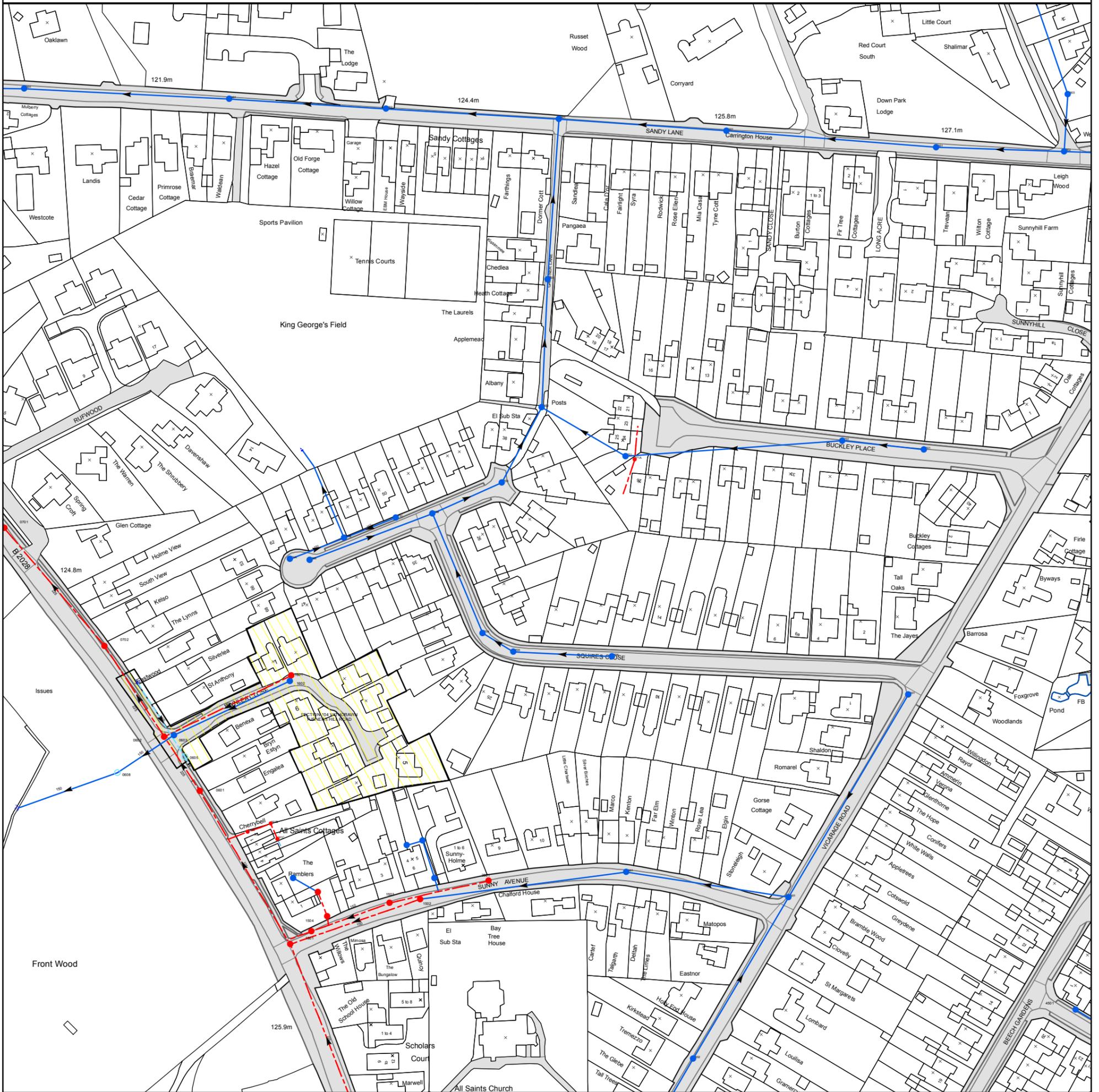
Comments:

ALS/ALS Standard/2024_4950487

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
0601	105.3	102.65
1502	104.81	103.56

REFERENCE	COVER LEVEL	INVERT LEVEL
1501	105.44	103.11



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Scale:	1:1789
Width:	500m
Printed By:	TSOMASUN
Print Date:	27/02/2024
Map Centre:	534250,137750
Grid Reference:	TQ3437NW

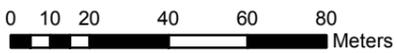
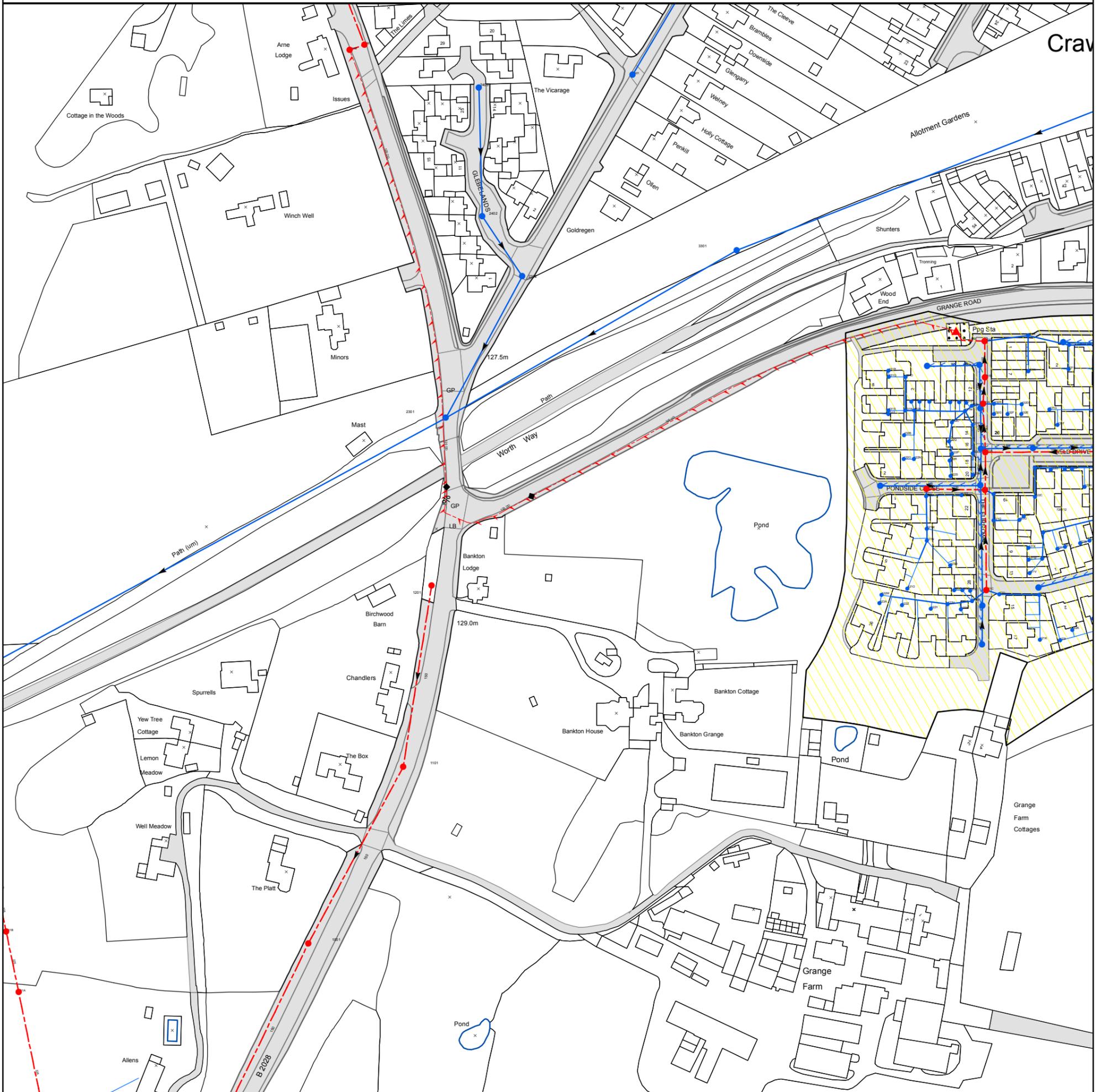
Comments:

ALS/ALS Standard/2024_4950487

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
1602		123.08
1503	126.43	124.86
1502	126.68	123.45
16BD		
15AG		
1501	125.67	122.96
1504	125.78	124.38
0702	124.5	121.91
2501		
1702		
1703		
0901		
3501		
4601		
4901		
4501		
2703		
2802		
2901		
2701		
4902		
0605		
171A		
171C		
161B		
161A		

REFERENCE	COVER LEVEL	INVERT LEVEL
0603		122.88
16BB		
16BC		
15AF		
0601	124.59	122.31
16BE		
0701	124.29	121.72
0602	124.29	122.3
1902		
1901		
3502		
3901		
3701		
4701	129.1	127.46
4903		
2704		
2705		
2801		
2706		
2601		
0608	123.59	122.68
1601		123.8
171B		
271A		
161C		



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Scale: 1:1789
Width: 500m
Printed By: TSOMASUN
Print Date: 27/02/2024
Map Centre: 534250,137250
Grid Reference: TQ3437SW

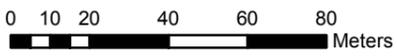
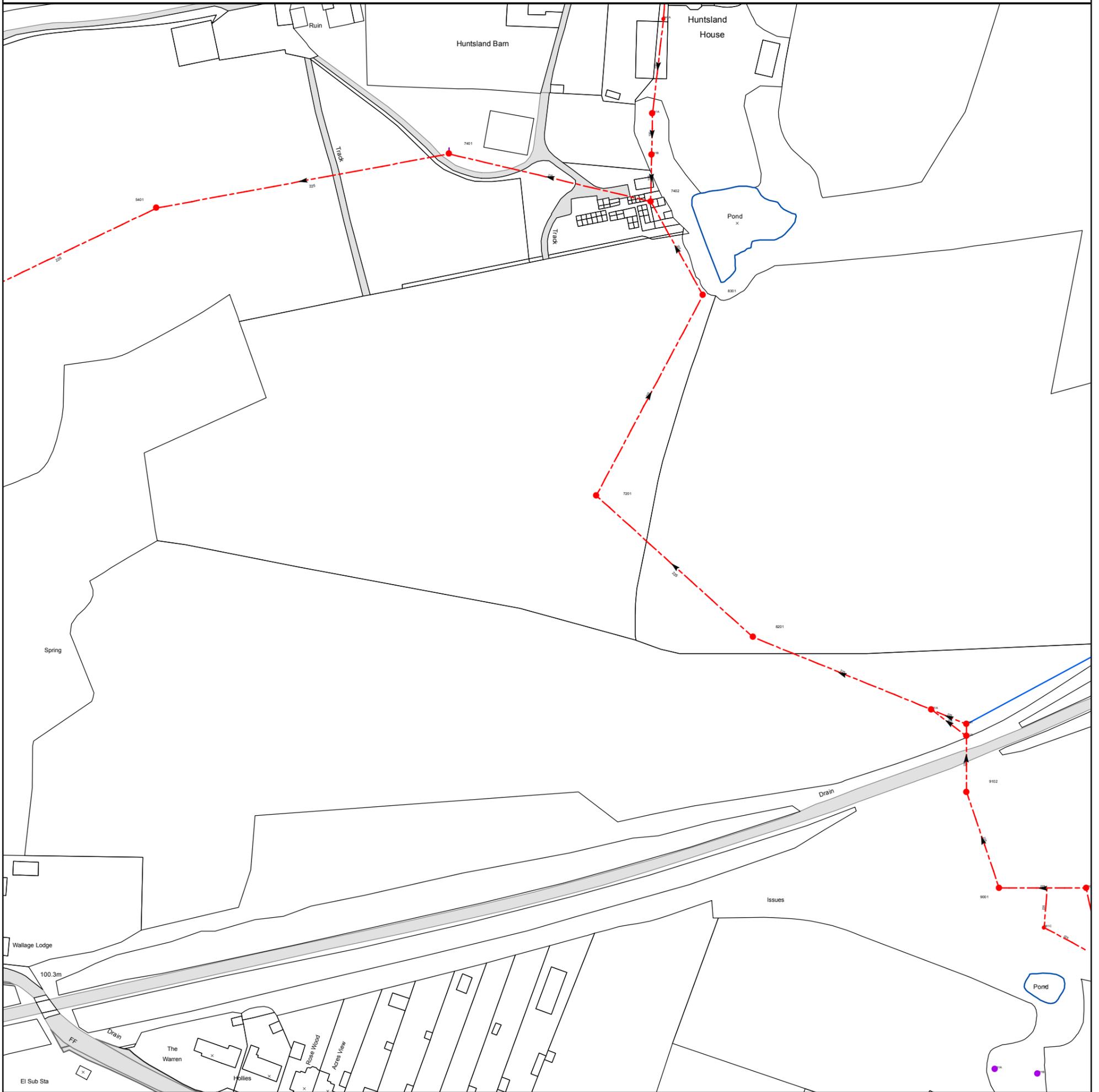
Comments:

ALS/ALS Standard/2024_4950487

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REFERENCE	COVER LEVEL	INVERT LEVEL
1201	129.03	127.46
1101	127.8	126.205
2301		
2403		
2302		
001A		
421T		
431A	125.25	121.2
431C	124.8	121.01
421J		
421W		
421Y		
422A		
422C		
431R		
431T		
431W		
422K		
422W		
422Z		
423B		
423D		
432D		
432F		
423G		
431F		
431H		
431L		
431N		
431P		
422M		
431K		
431Y		
422N		
432C		
422Q		
422S		
421K		
421M		
421O		
421R		
422F		
422H		
141B	125.884	124.47
421D	126.7	124.2
431U		
422Y		
422O		
432A		

REFERENCE	COVER LEVEL	INVERT LEVEL
1001	123.92	122.53
3301		
2401		
2402		
1401	126.15	123.39
001B		
421U		
431B	125	121.11
421I		
421V		
421X		
421Z		
422B		
422D		
431S		
431V		
431J		
422V		
422X		
423A		
423C		
423E		
432E		
423F		
432H		
431G		
431I		
431M		
431O		
422L		
431Q		
431X		
431Z		
432B		
422P		
422R		
422T		
421L		
421N		
421Q		
422E		
422G		
422I		
421B	127	125.65
421A	126	121.35
422U		
432G		
421C	128.6	127.25



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Scale: 1:1789
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Print Date: 27/02/2024
Map Centre: 533750,137250
Grid Reference: TQ3337SE

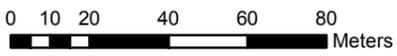
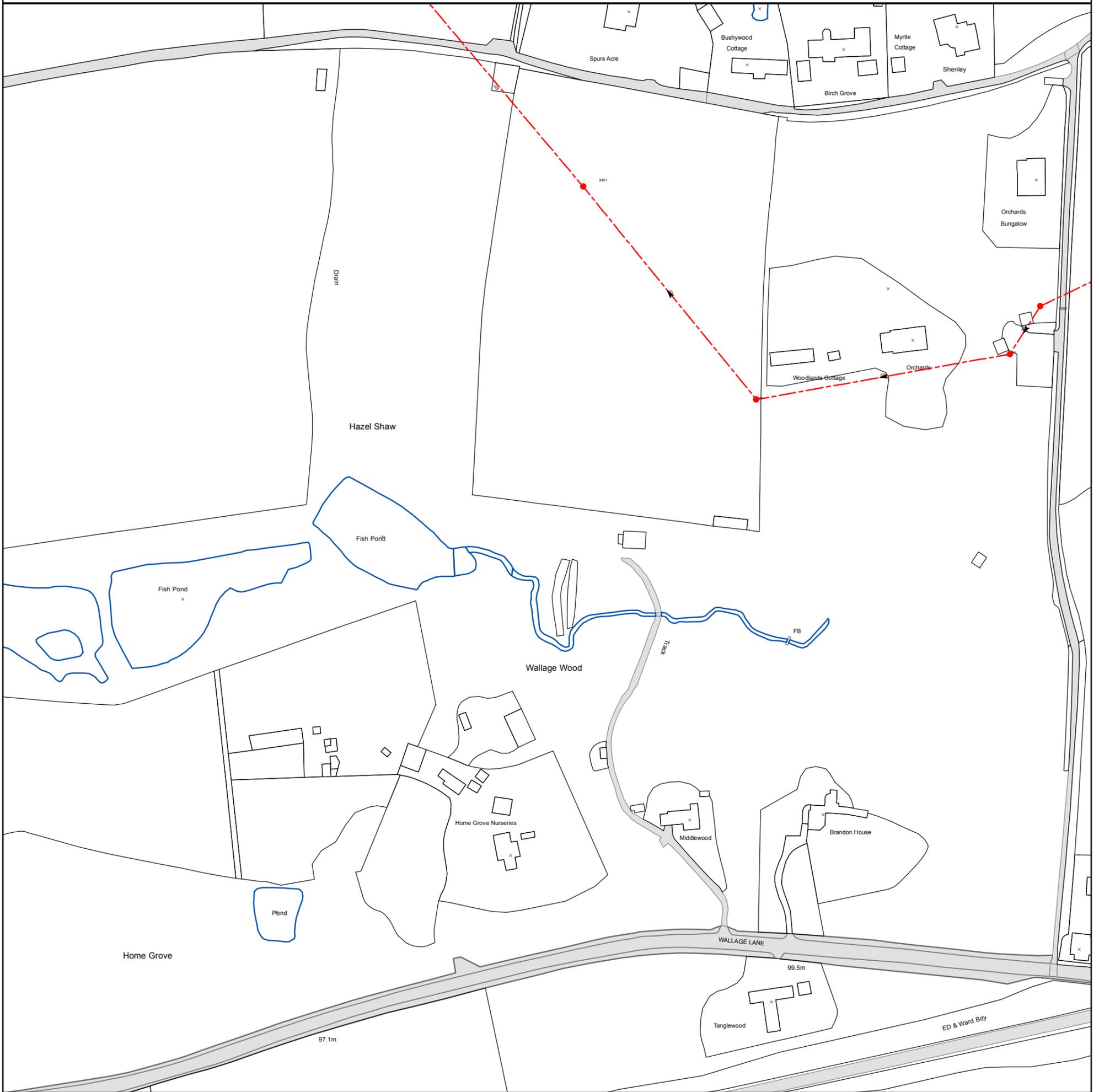
Comments:

ALS/ALS Standard/2024_4950487

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
8201	112.75	109.15
7401	109.27	107.31
8301	111.34	107.99
9102	112.25	109.86
901B		
9002	113.14	110.59
811A		
741A		
841A		

REFERENCE	COVER LEVEL	INVERT LEVEL
5401	108.64	106.905
7201	113.26	108.37
7402	110.64	108.08
901A		
9001	111.61	110.07
9101	114.05	109.69
911A		
741B		
901C		



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 before any works are undertaken. Crown copyright Reserved

Scale: 1:1789
Width: 500m
Printed By: TSOMASUN
Print Date: 27/02/2024
Map Centre: 533250,137250
Grid Reference: TQ3337SW

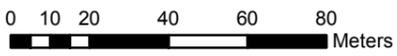
Comments:

ALS/ALS Standard/2024_4950487

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
4302	108.66	
3301	107.19	105.9

REFERENCE	COVER LEVEL	INVERT LEVEL
2401	108.01	105.02
4301	107.51	106.61



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Scale:	1:1789
Width:	500m
Printed By:	TSOMASUN
Print Date:	27/02/2024
Map Centre:	533750,137750
Grid Reference:	TQ3337NE

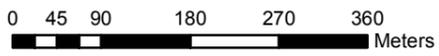
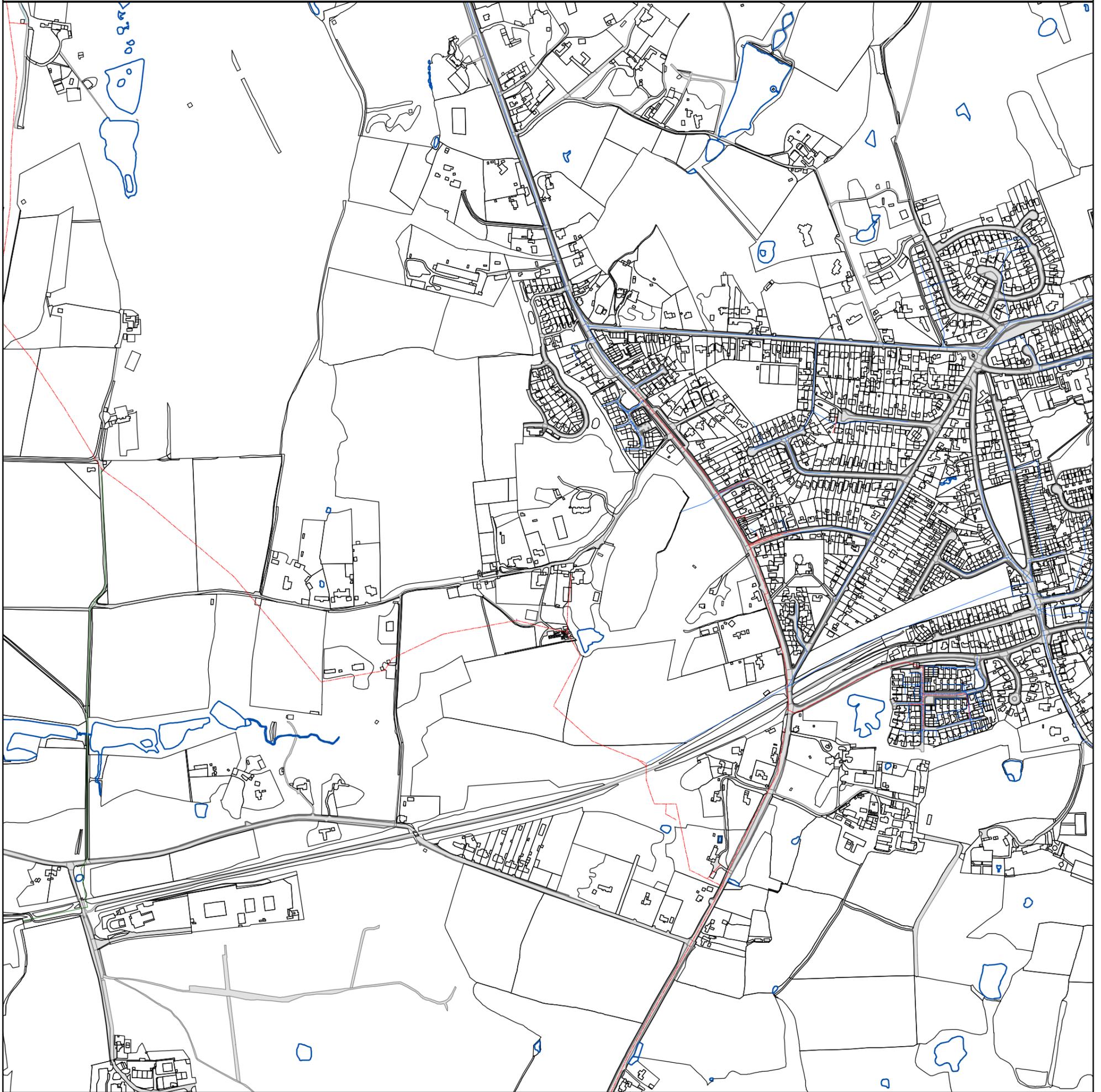
Comments:

ALS/ALS Standard/2024_4950487

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
9801	122.74	120.67
9901		
9804		
8902		
891A		
891C		
891E		

REFERENCE	COVER LEVEL	INVERT LEVEL
9701	124.09	121.59
9803		
8901		
9802		
891B		
891D		
851A		



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Scale: 1:7161
Width: 2000m
Printed By: TSOMASUN
Print Date: 27/02/2024
Map Centre: 533763,137565
Grid Reference: TQ3337NE

Comments:

ALS/ALS Standard/2024_4950487

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
1602		123.08
1503	126.43	124.86
1502	126.68	123.45
1201	129.03	127.46
15AF		
9801	122.74	120.67
1501	125.67	122.96
1001	123.92	122.53
8901	99.66	98.31
9701	105.55	102.34
1501	105.44	103.11
7401	91.44	90.11
4302	108.66	
9701	124.09	121.59
0701	124.29	121.72
0702	124.5	121.91
2501		
2401	108.01	105.02
9601		
7501	88.61	86.08
1101	127.8	126.205
1901	120.55	119.18
7201	113.26	108.37
1902		
5501		
6102		
9901		
6903		
6901		
6401		
6902		
6403		
6404		
6601		
6701		
6407	116.05	114.05
6904		
7401		
7504		
6401		
6301		
1703		
7201		
9803		
0901		
8902		
3901		
3701		
4701	129.1	127.46
4003		
4903		
4002		
5602		
5601		
5002		
2704		
2705		
2801		
2706		
2601		
6603		
6505		
6301		
6302		
6506		
7903		
7402		
7408		
7503		
7405		
6604		
7001		
0608	123.59	122.68
1601		123.8
2301		
2403		
2302		
891A		
891C		
4301	107.51	106.61
941A		

REFERENCE	COVER LEVEL	INVERT LEVEL
0603		122.88
16BB		
16BC		
16BD		
15AG		
0601	124.59	122.31
16BE		
1504	125.78	124.38
8801	102.09	100.73
0601	105.3	102.65
7201	93.45	92.27
7550	87.84	86.28
9702		
9701		
0801	122.08	118.34
0602	124.29	122.3
1502	104.81	103.56
8201	112.75	109.15
7102	96.34	94.99
7101	94.65	93.33
5401	108.64	106.905
7401	109.27	107.31
8301	111.34	107.99
1702		
5001		
6702		
6103	124.61	123.71
6502		
6703		
6402		
6503		
6104		
6501		
6602		
6508		
6405		
7601		
7407		
7102		
6402		
1901		
3502		
7103		
9804		
8901		
9802		
3501		
4601		
4901		
4001		
4501		
5502		
5901		
5902		
7406		
2703		
2802		
2901		
2701		
6801		
6507		
6504		
6406		
6408		
7301		
7502		
7403		
7901		
7404		
7201		
8550	89.2	87.72
4902		
0605		
3301		
2401		
2402		
7402	110.64	108.08
891B		
3301	107.19	105.9
522N		
522J		

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REFERENCE	COVER LEVEL	INVERT LEVEL
522K		
522M		
171B		
1401	126.15	123.39
991A		
991B		
851A		
001A		
001B		
0901	120.64	117.85
161B		
161A		
521E		
521G		
421U		
521N		
431B	125	121.11
521B	124.43	121.87
521C	126.05	124.17
421J		
421W		
521K		
421Y		
422A		
521H		
521J		
422D		
431S		
431V		
531N		
531P		
531Q		
521U		
521W		
422W		
422Z		
423B		
423D		
522P		
432E		
522Q		
423G		
522S		
521X		
521Z		
531A		
522D		
522G		
522I		
531E		
531K		
431G		
431I		
531M		
431M		
431O		
422L		
431Q		
431X		
431Z		
432B		
422P		
422R		
422T		
421L		
421N		
421Q		
521O		
422F		
422H		
521Q		
521T		
422J		
421B	127	125.65
421A	126	121.35
531F		
531H		
431U		
422Y		
422O		
522B		

REFERENCE	COVER LEVEL	INVERT LEVEL
522L		
171A		
171C		
9102	112.25	109.86
901A		
901B		
751A		
091A		
271A		
9001	111.61	110.07
161C		
9002	113.14	110.59
521F		
421T		
521M		
431A	125.25	121.2
431C	124.8	121.01
521D	125.3	123.95
421I		
421V		
421X		
521L		
421Z		
422B		
521I		
422C		
431R		
431T		
431W		
531O		
431J		
422K		
521V		
422V		
422X		
423A		
423C		
423E		
432D		
432F		
423F		
522R		
432H		
521Y		
522A		
522C		
522E		
522H		
522O		
531I		
431F		
431H		
531L		
431L		
431N		
431P		
422M		
431K		
431Y		
422N		
432C		
422Q		
422S		
421K		
421M		
421O		
421R		
422E		
422G		
521P		
521S		
422I		
141B	125.884	124.47
421D	126.7	124.2
521A	124.9	121.75
531G		
531J		
422U		
432G		
421C	128.6	127.25
522F		

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ALS/ALS Standard/2024_4950487

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
9101	114.05	109.69
432A		
991C		
921A		
941B		
891E		
741A		
841A		
851A		

REFERENCE	COVER LEVEL	INVERT LEVEL
811A		
991A		
991D		
941A		
891D		
911A		
741B		
901C		



Asset Location Search - Sewer Key

Public Sewer Types (Operated and maintained by Thames Water)

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

Other Sewer Types (Not operated and maintained by Thames Water)

-  Sewer
-  Culverted Watercourse
-  Proposed
-  Decommissioned Sewer
-  Content of this drainage network is currently unknown
-  Ownership of this drainage network is currently unknown

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plan are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate the direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.

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
-  Meter
-  Dam Chase
-  Vent
-  Fitting

Operational Controls

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

-  Ancillary
-  Drop Pipe
-  Control Valve
-  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.

-  Inlet
-  Outfall
-  Undefined End

Other Symbols

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

-  Change of Characteristic Indicator
-  Public / Private Pumping Station
-  Invert Level
-  Summit

Areas

Lines denoting areas of underground surveys, etc.

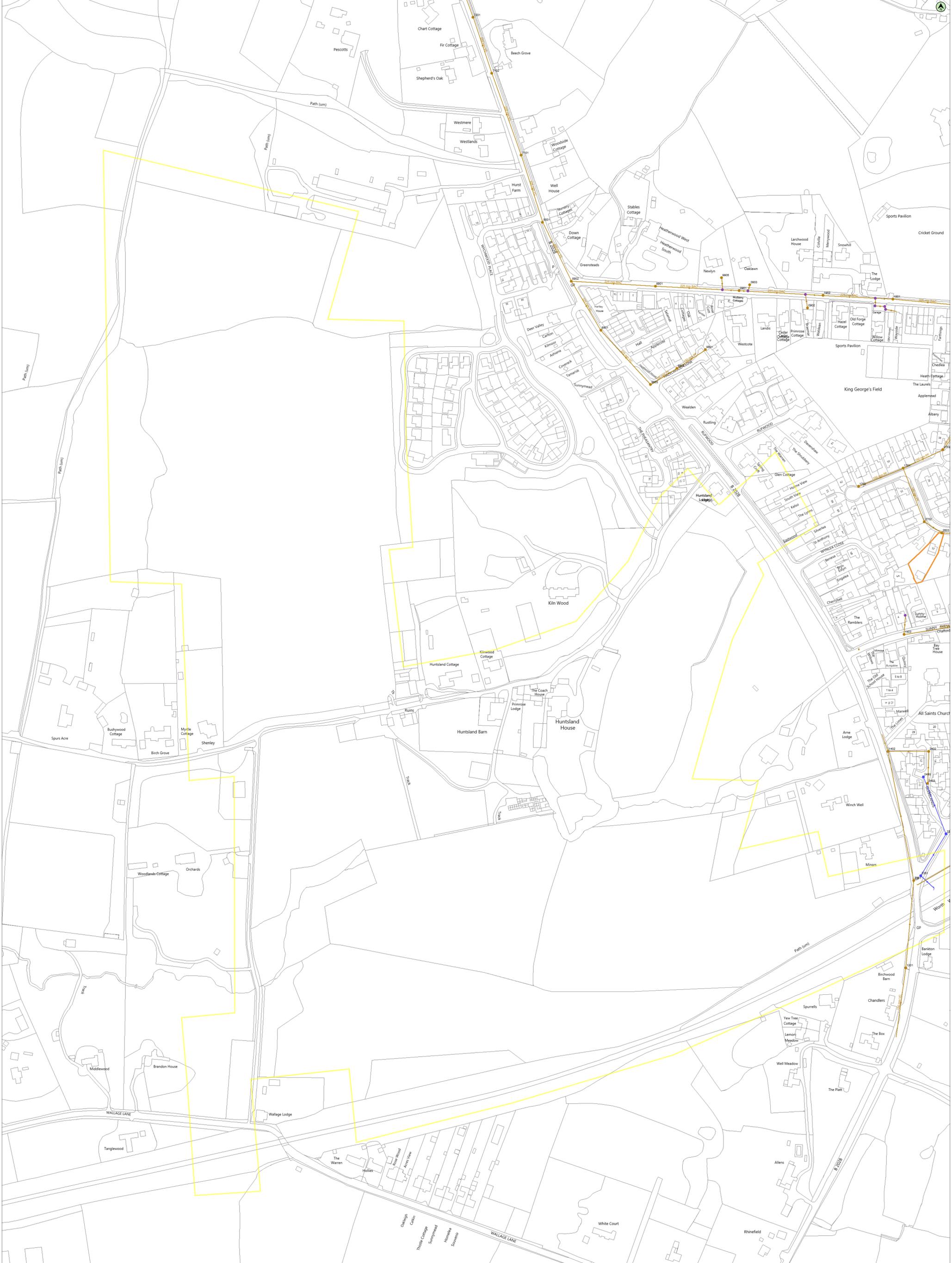
-  Agreement
-  Chamber
-  Operational Site

Ducts or Crossings

-  Casement
 -  Conduit Bridge
 -  Subway
 -  Tunnel
- Ducts may contain high voltage cables. Please check with Thames Water.

5) 'na' or 'of' on a manhole indicates that data is unavailable.

6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimeters. 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, please contact Property Searches on 0800 009 4540.



0m 100m 200m 300m

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Data updated: 10/01/24

Scale: 1:200
Map Coords: 53279, 131687
Date: 11/02/24
OU Ref: 140181-2
Worksheet: Plan 01
Powered by: digipix

bar.mccollon@premierenergy.co.uk
Land west of Crawley

The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. This map is produced by Southern Water Services Ltd © Crown copyright and database right 2024 Ordnance Survey 100010723. This map is to be used for the purpose of stating the location of Southern Water plant only. Any other use of the map data or further copies is not permitted.
WARNING: Unmarked (LHM) materials may reduce Bonded Asbestos Content.





Our Ref: 32534883 Your Ref: Land west of Crawley Down

Wednesday, 21 February 2024

Tara McCallion
Premier House Daux Road
Billingshurst
West Sussex
RH14 9SJ

Dear Tara McCallion

Thank you for your enquiry dated Wednesday, 21 February 2024

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.

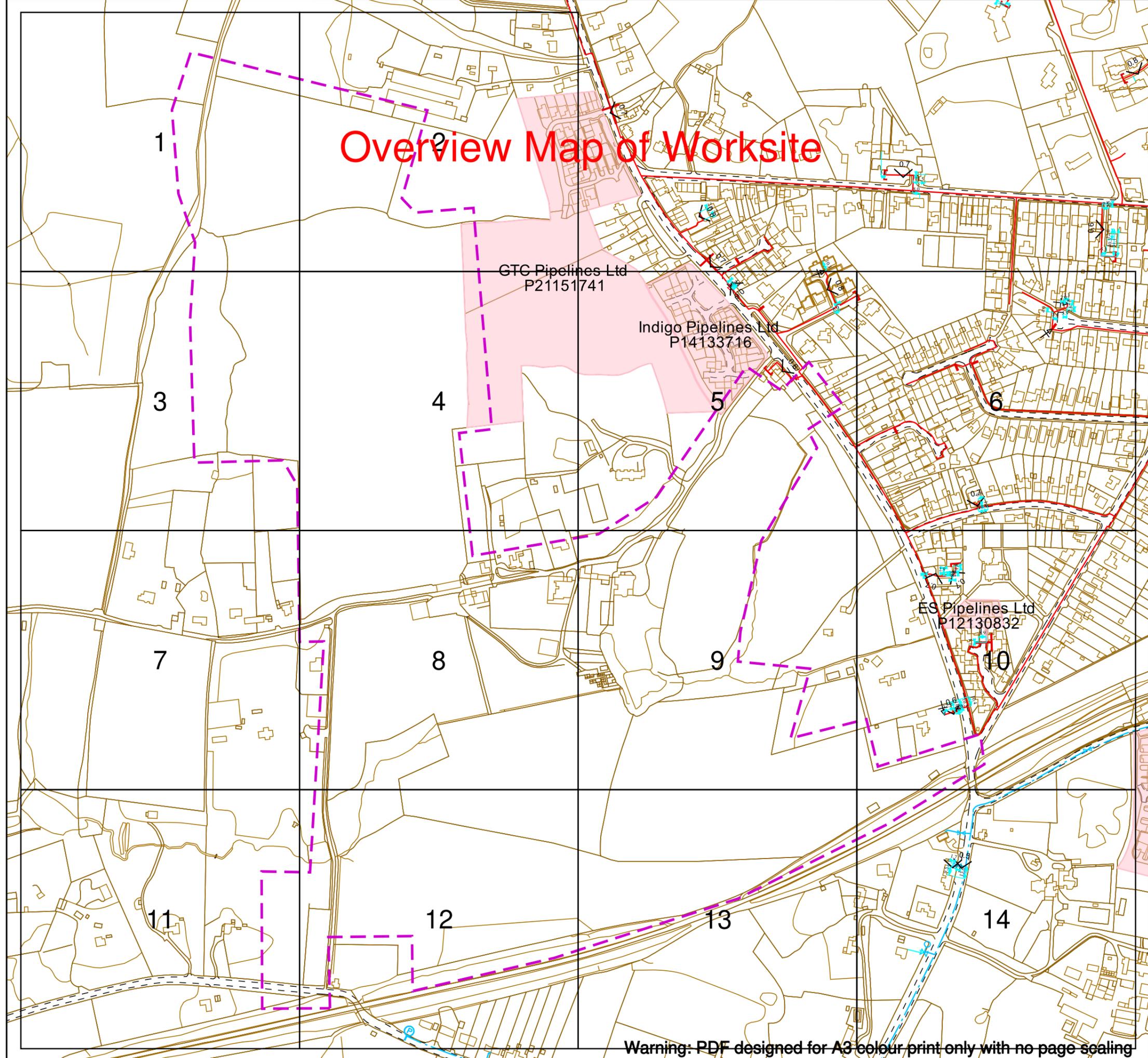
If you require any further information please do not hesitate to contact us.

Yours sincerely,
The Safety Admin Team
For more information, visit our Dig Safely pages on sgn.co.uk
Tel: 0800 912 1722

Smell gas?
Call 0800 111 999

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Registered in England & Wales No. 04958135
Registered Office: St Lawrence House | Station Approach | Horley | Surrey RH6 9HJ

Authorised and regulated by the Financial Conduct Authority



Contact Us
SGN Safety Admin Team:
 0800 912 1722
Email:
 plantlocation@sgn.co.uk

Date Requested: 21/02/2024
 Job Reference: 32534883
 Site Location: 533548 137581
 Requested by: Miss Tara McCallion
 Your Scheme/Reference: Land west of Crawley Down
 Scale: 1:4100 (When plotted at A3)

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	
SSSIs	

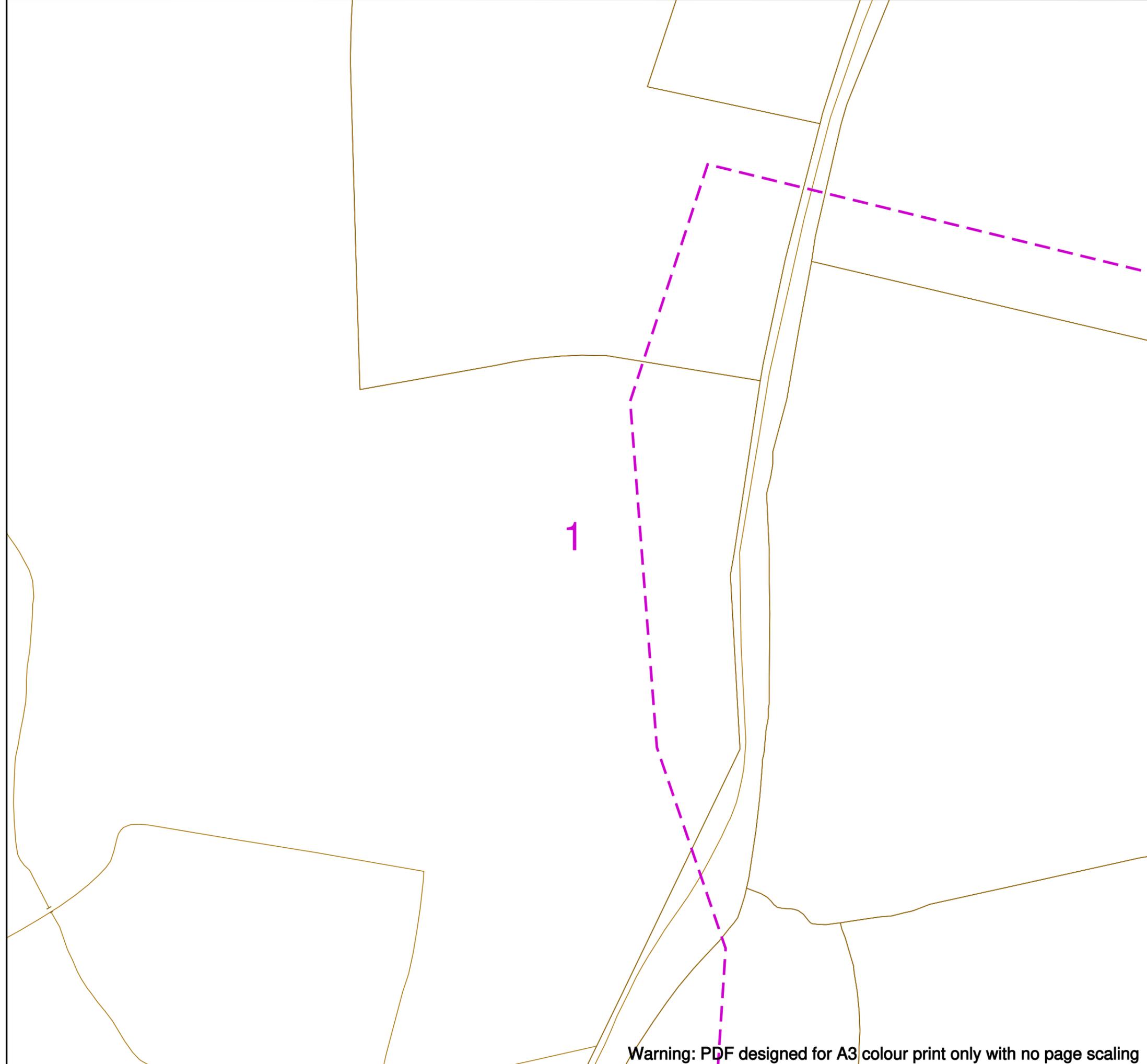
Some Examples Of Plant Items

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



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Email:
 plantlocation@sgn.co.uk

Date Requested: 21/02/2024
 Job Reference: 32534883
 Site Location: 533548 137581
 Requested by: Miss Tara McCallion
 Your Scheme/Reference: Land west of Crawley Down
 Scale: 1:1000 (When plotted at A3)

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

Some Examples Of Plant Items

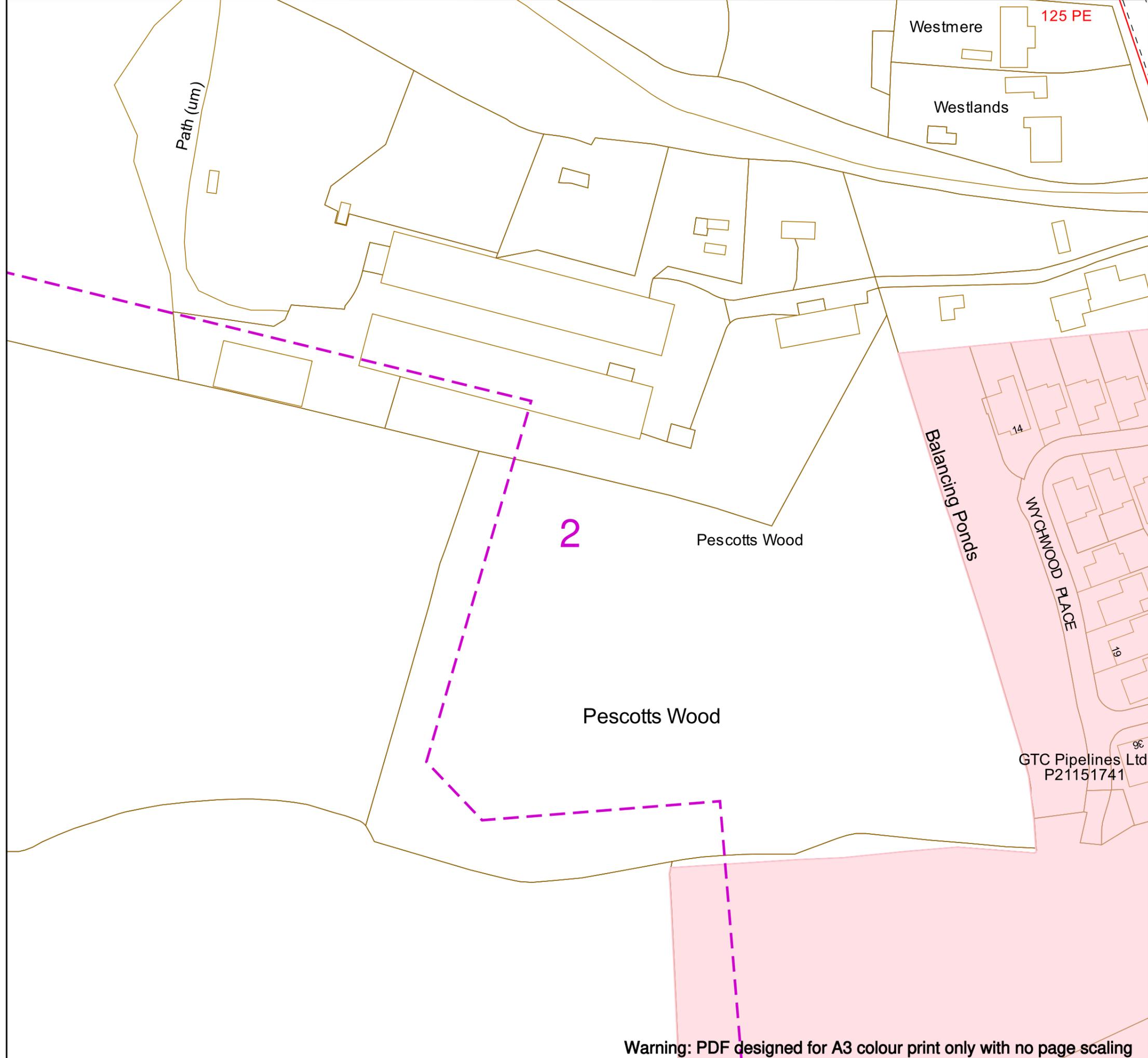
Valve		Syphon		Depth of Cover		Diameter Change		Material Change	
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Digsite: Line: Area:



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 Site Location: 533548 137581
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 Your Scheme/Reference: Land west of Crawley Down
 Scale: 1:1000 (When plotted at A3)

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0800 111 999

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

Some Examples Of Plant Items

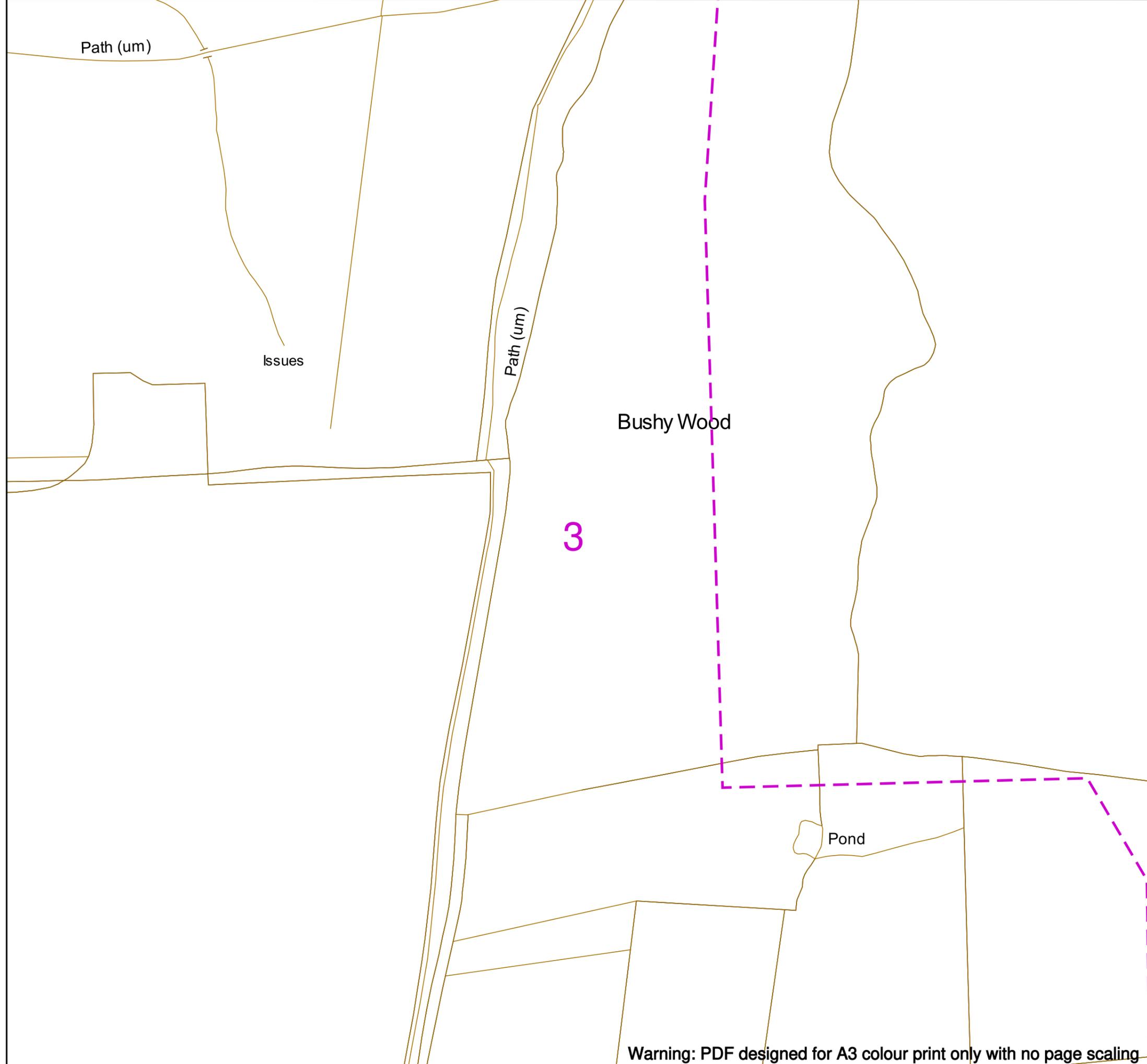
Valve		Syphon		Depth of Cover		Diameter Change		Material Change	
-------	--	--------	--	----------------	--	-----------------	--	-----------------	--

Digsite: Line: Area:



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 Job Reference: 32534883
 Site Location: 533548 137581
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 Your Scheme/Reference: Land west of Crawley Down
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0800 111 999

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

Some Examples Of Plant Items

Valve		Syphon		Depth of Cover		Diameter Change		Material Change	
-------	--	--------	--	----------------	--	-----------------	--	-----------------	--

Digsite: Line: Area:



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Your Scheme/Reference: Land west of Crawley Down

Scale: 1:1000 (When plotted at A3)

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0800 111 999

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

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

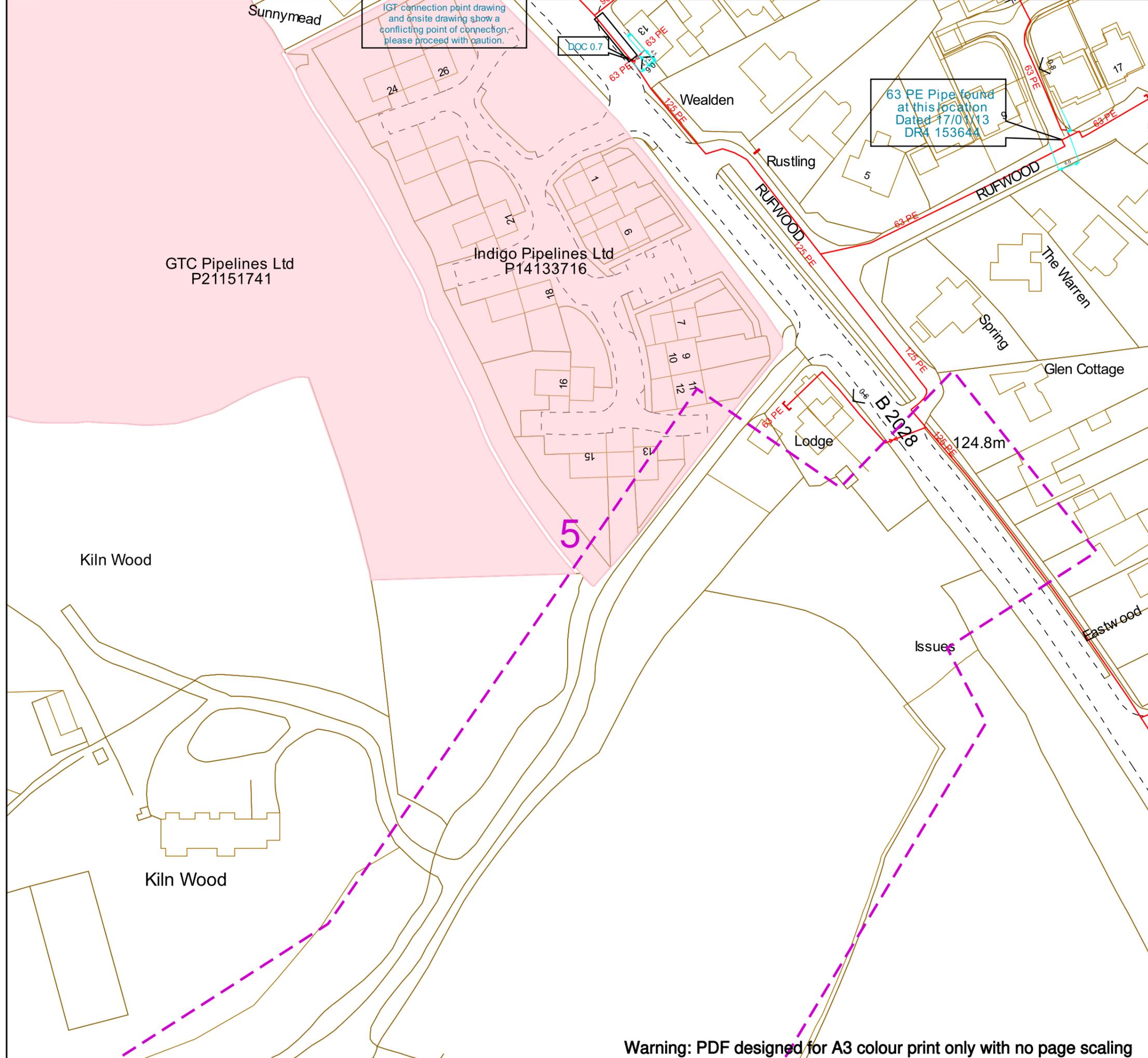
Digsite: Line: Area:



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GTC Pipelines Ltd
P21151741

4



Contact Us
SGN Safety Admin Team:
 0800 912 1722
Email:
 plantlocation@sgn.co.uk

Date Requested: 21/02/2024
 Job Reference: 32534883
 Site Location: 533548 137581
 Requested by: Miss Tara McCallion
 Your Scheme/Reference: Land west of Crawley Down
 Scale: 1:1000 (When plotted at A3)

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LAs	
GTs	
SSSIs	

Some Examples Of Plant Items

Valve		Syphon		Depth of Cover		Diameter Change		Material Change	
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King George's Field

The Laurels

Applemead

Albany

Posts

Sub Sta

Davenshaw

Silverlea

St Anthony

Benexa

Bryn

Engalea

All Saints Cottages

The Ramblers

Sunny-

AVENUE

Chalford House

Bay

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

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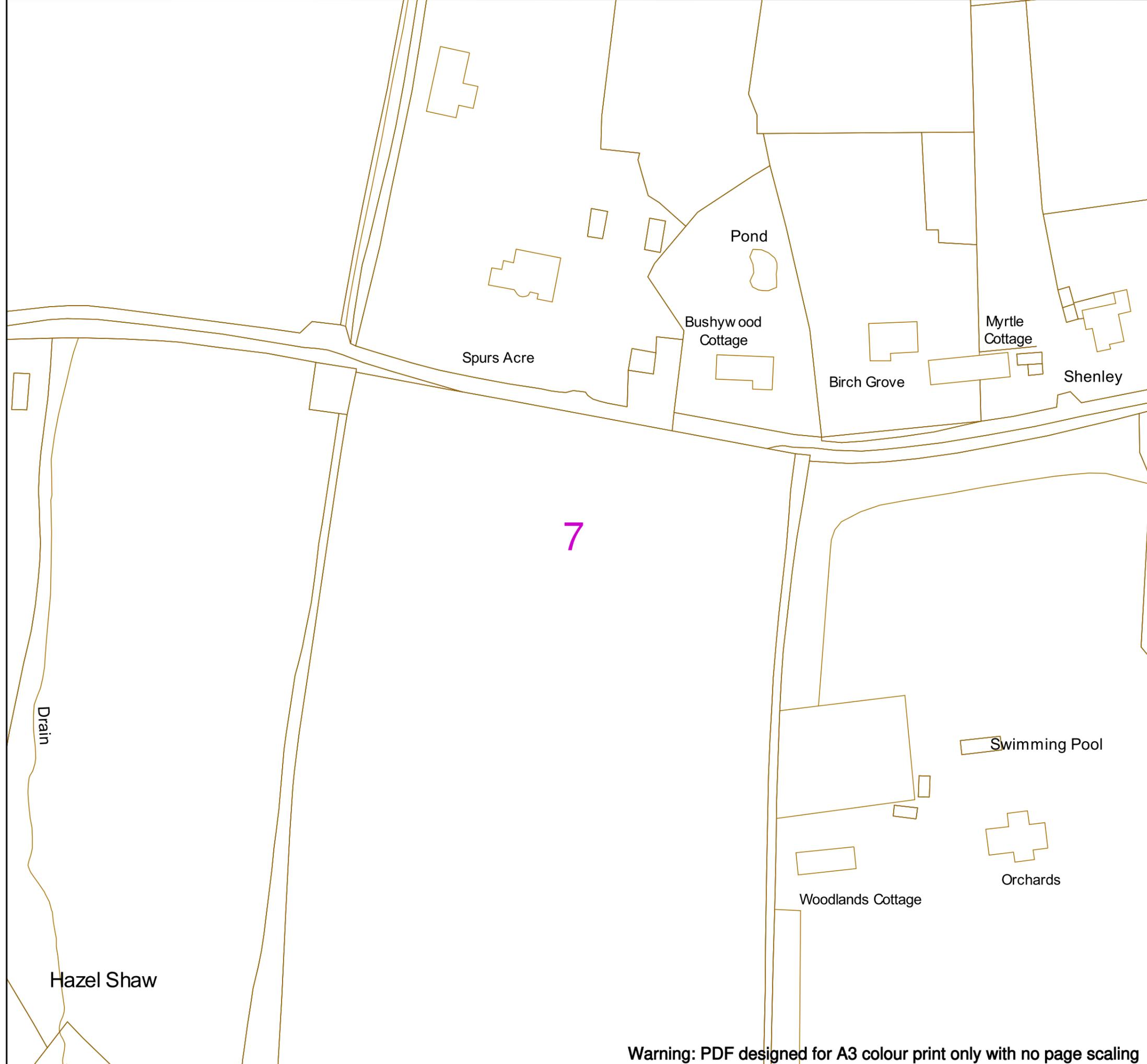
Low Pressure Mains	
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Intermediate Pressure Mains	
High Pressure Mains	
LAs	
GTs	
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Some Examples Of Plant Items
Valve Syphon Depth of Cover Diameter Change Material Change

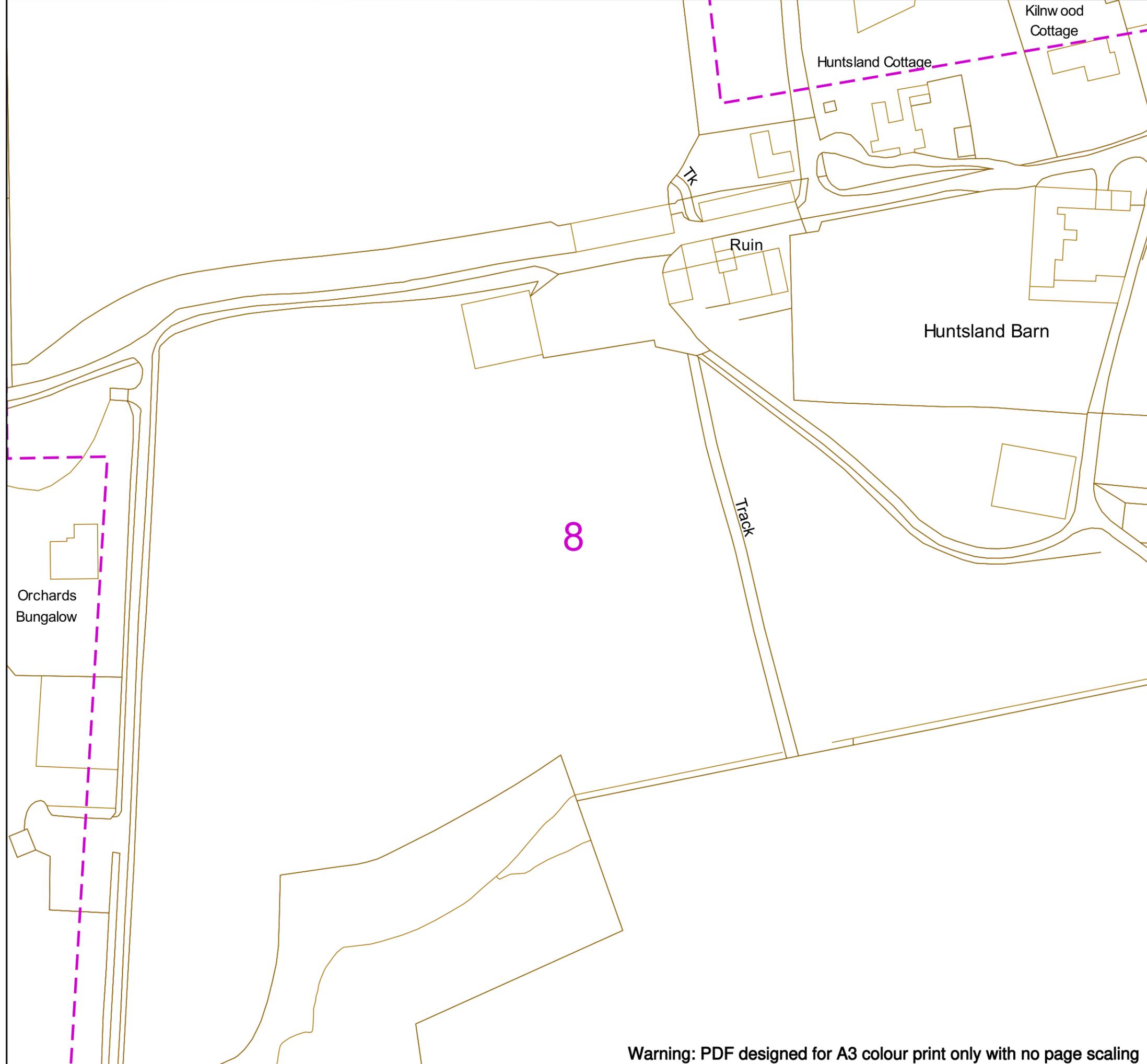
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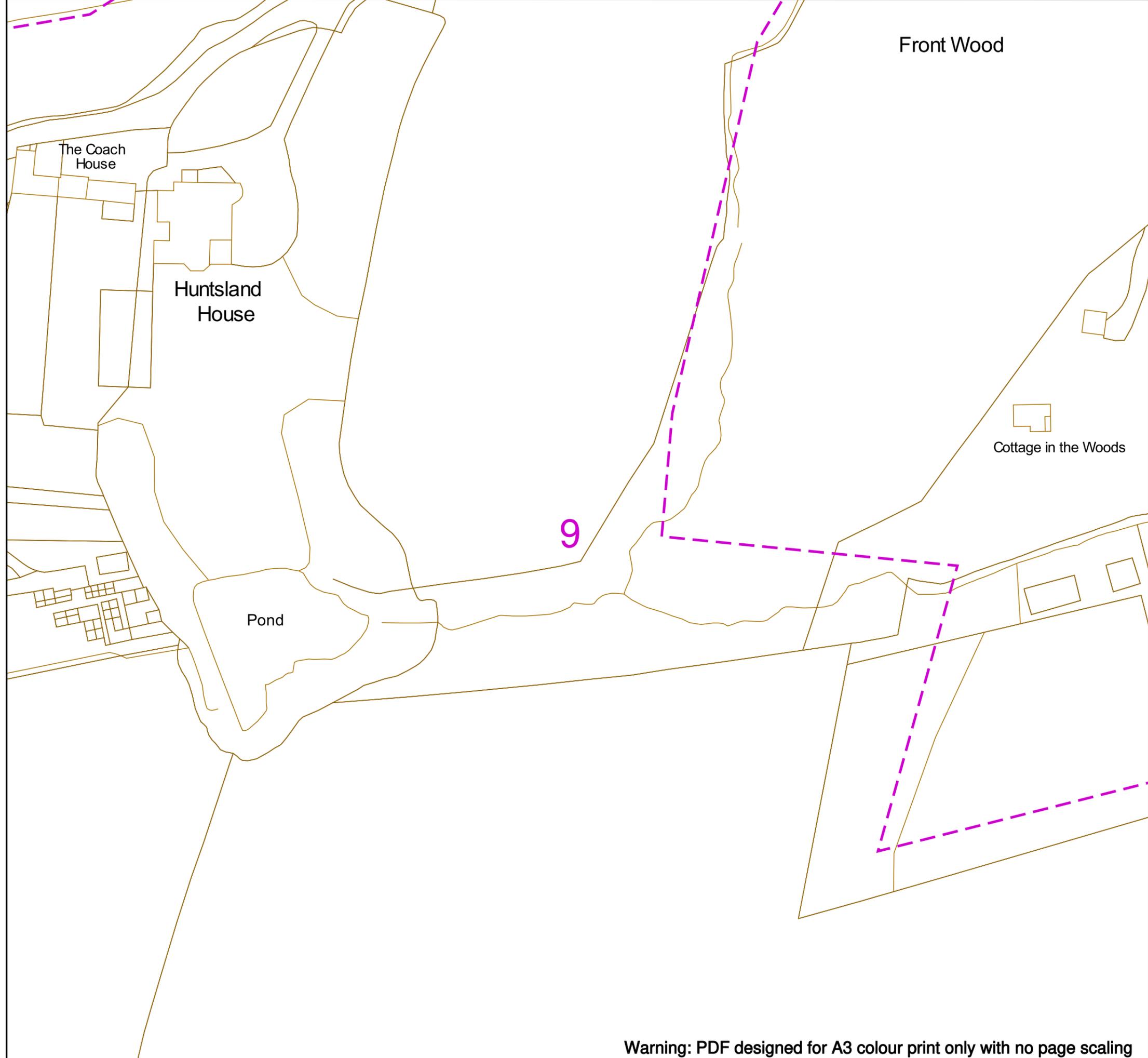
Some Examples Of Plant Items

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



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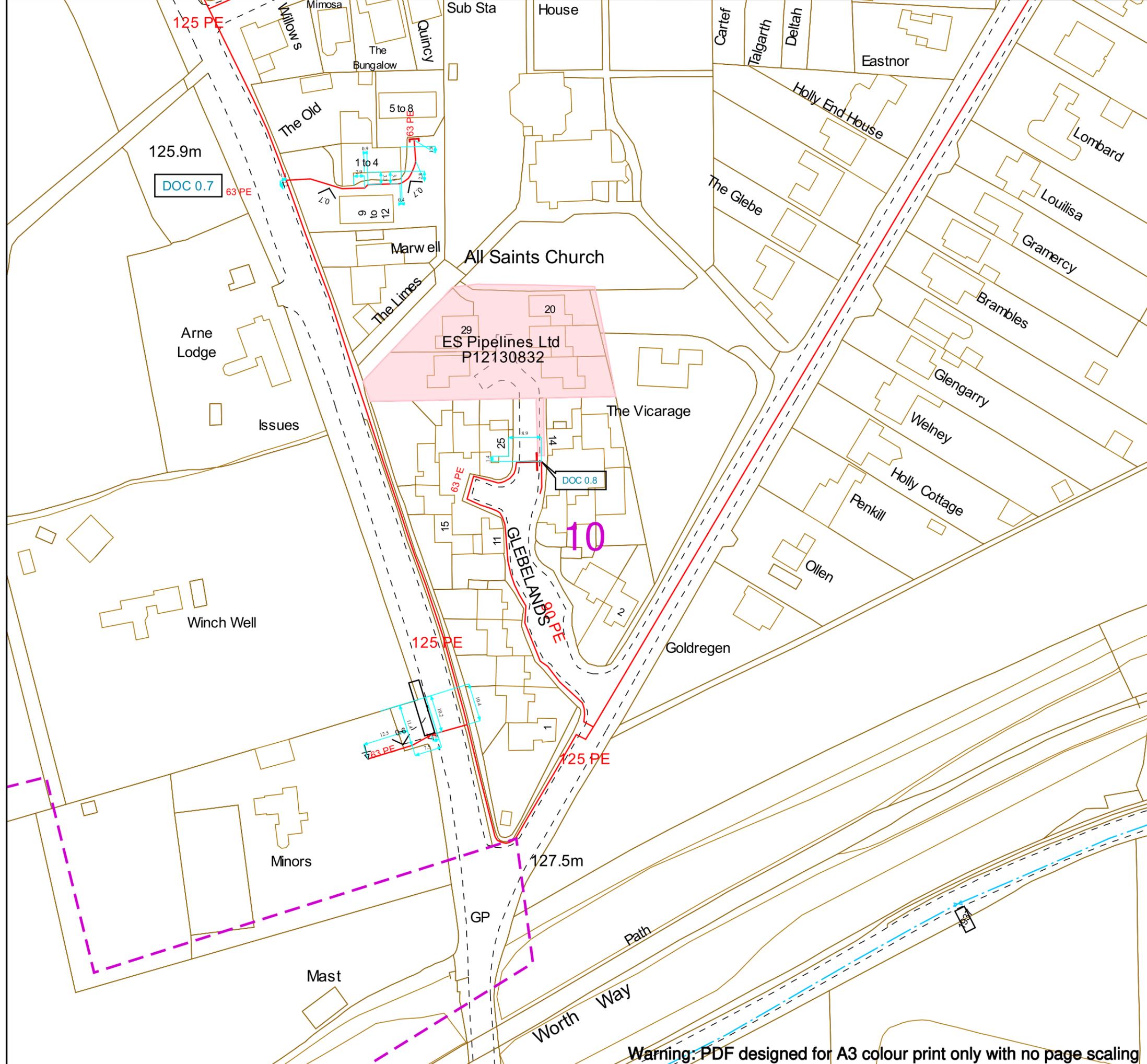
Some Examples Of Plant Items

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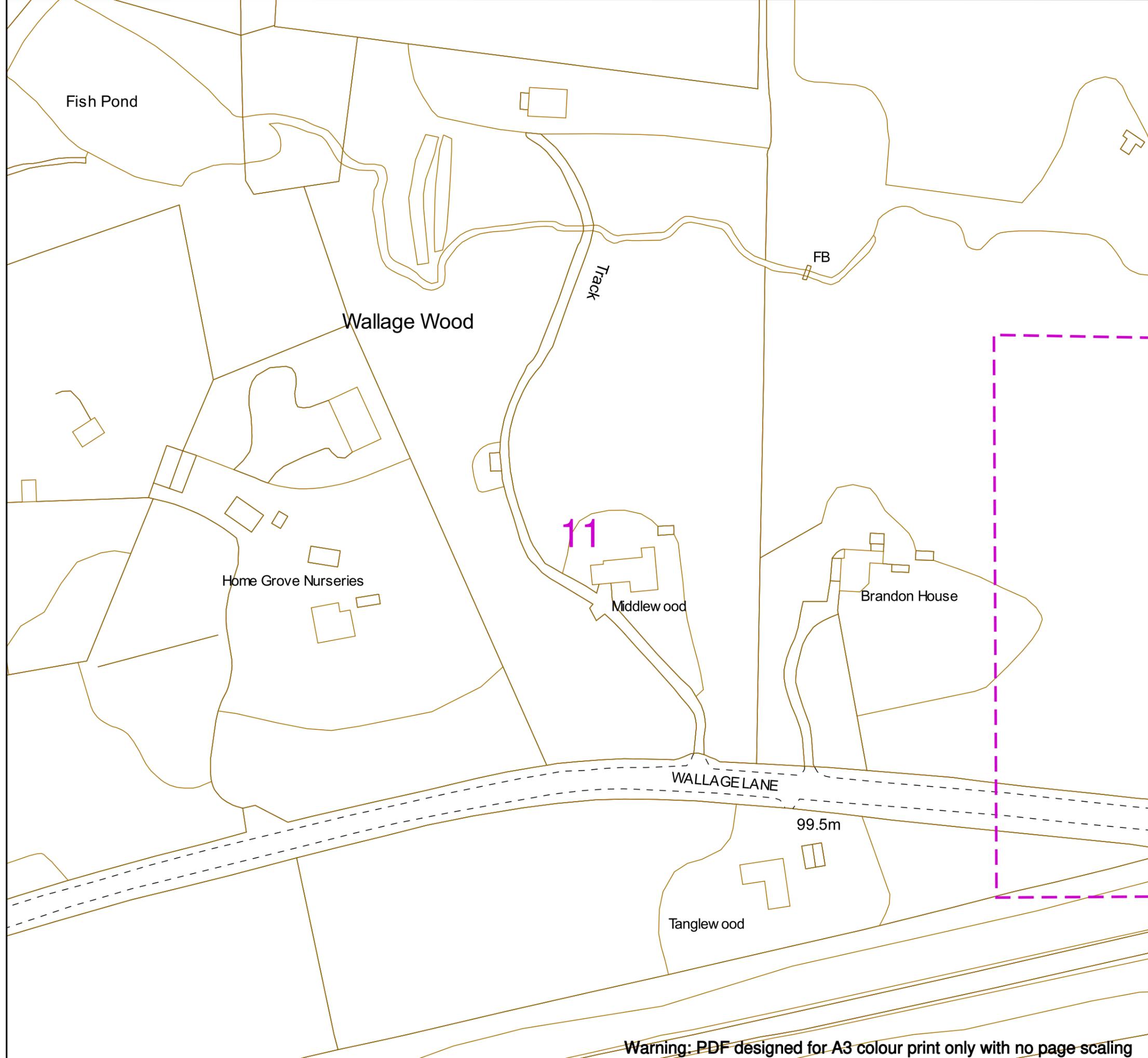
Some Examples Of Plant Items

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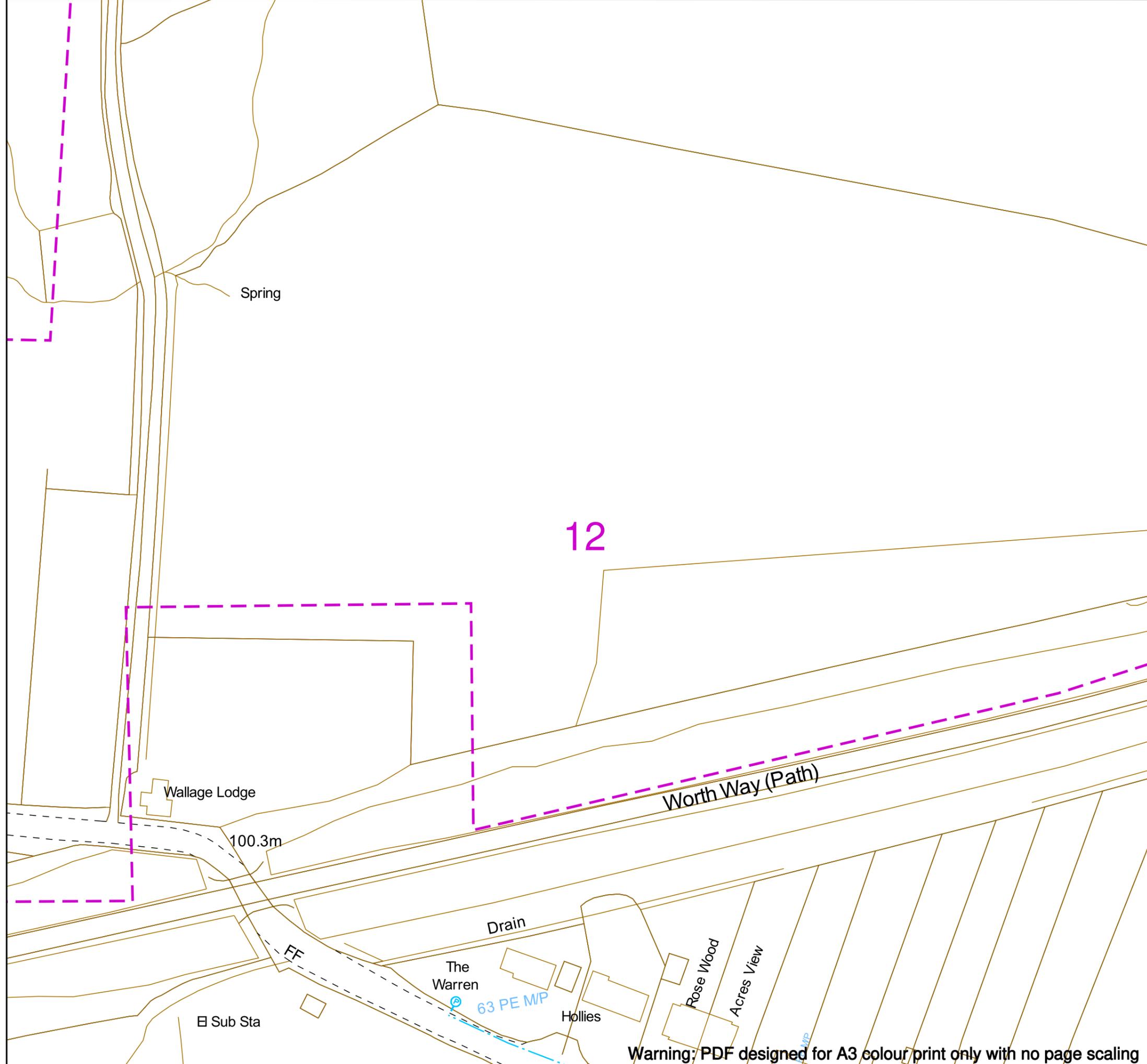
Some Examples Of Plant Items

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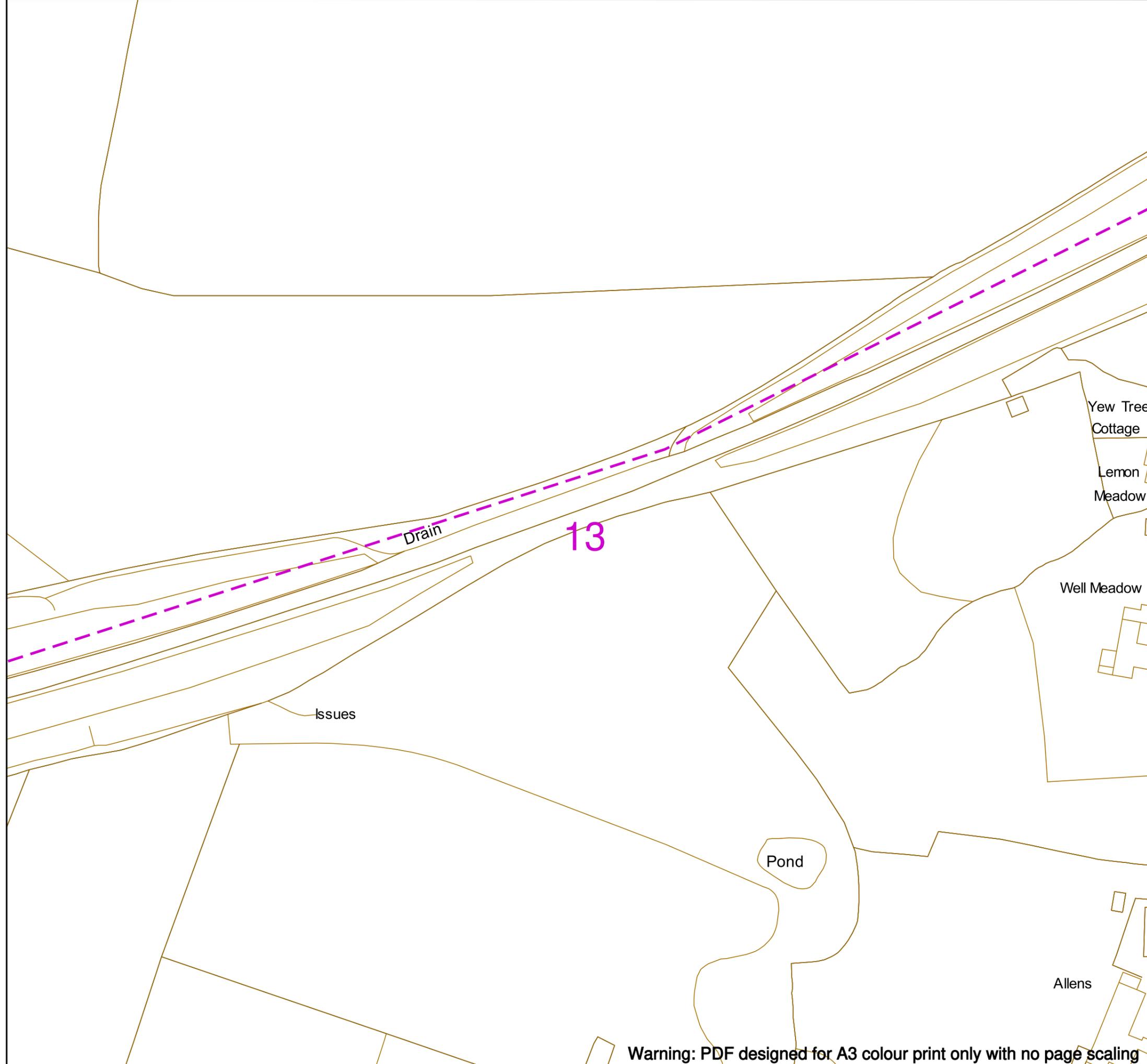
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Valve  Syphon  Depth of Cover  Diameter Change  Material Change 

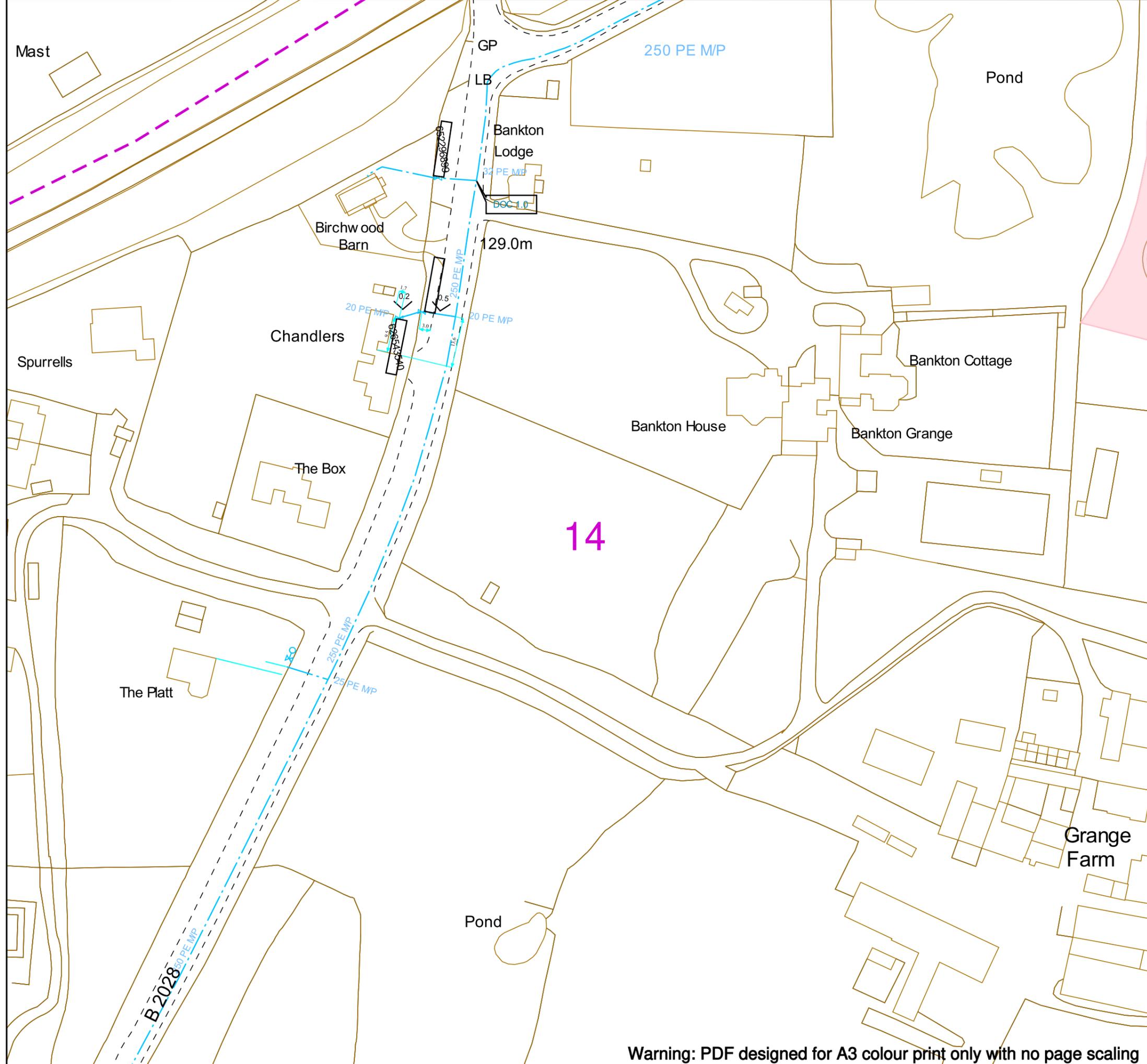
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Valve		Syphon		Depth of Cover		Diameter Change		Material Change	
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Map Symbols

						
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



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

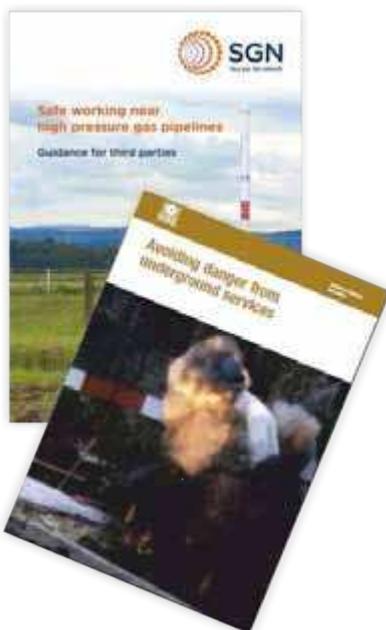
If you cause a gas leak or suspect a main or service pipe or equipment is leaking, you **MUST** take the following emergency actions immediately:

- 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
- NJUG **Utilities Guidance on Positioning and Colour Coding of Apparatus** available from njug.org.uk





Making an enquiry for gas mains or services maps

Please visit our **Dig safely** pages on sgn.co.uk for plant protection information and links to our online mapping system and other associated information and guidance.

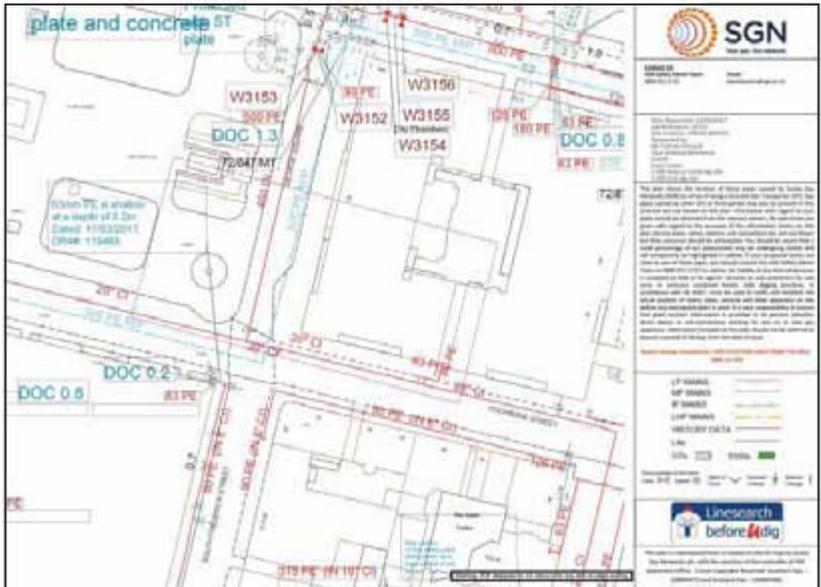
Our simple and easy to use online mapping system is available 24/7, 365 days a year.

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

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.



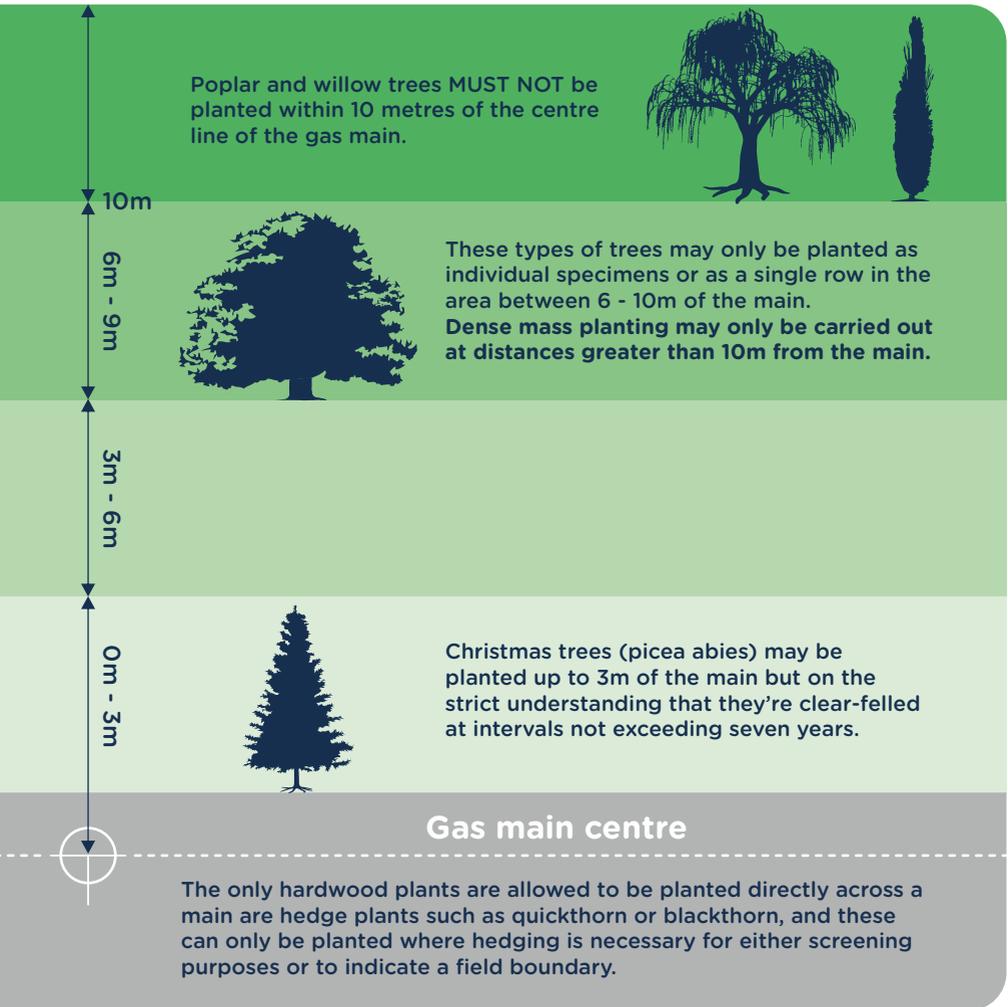
In cases where screening is required, the following are shallow rooting and may be planted close to the gas mains and services: blackthorn, broom, cotoneaster, elder, hazel, laurel, quickthorn, privet, snowberry and most ornamental shrubs.

Gas main centre

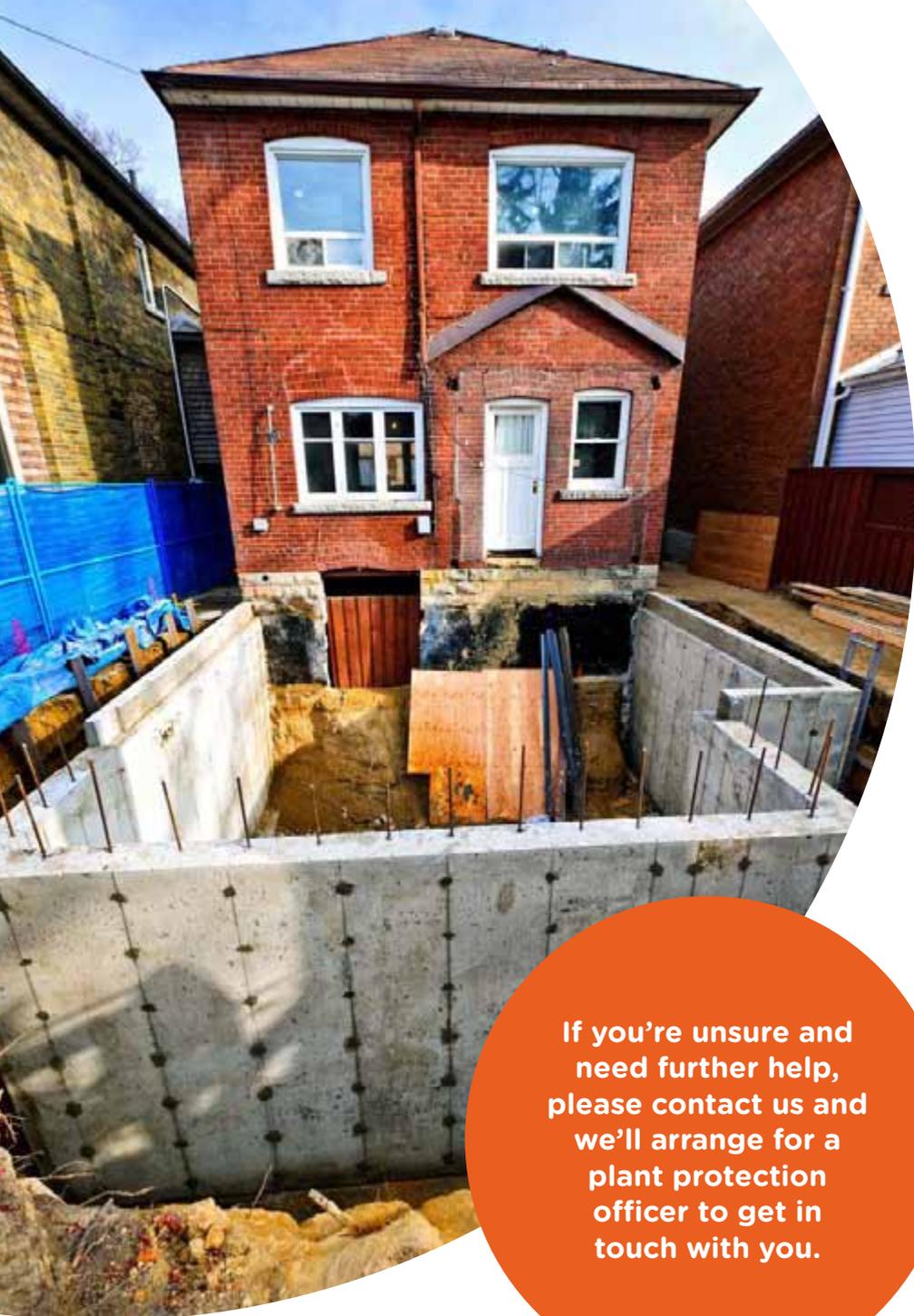
Raspberries, gooseberries and blackcurrants may be planted on the gas main, but a four metre strip, centred on the main, **MUST** be left clear at all times.

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.

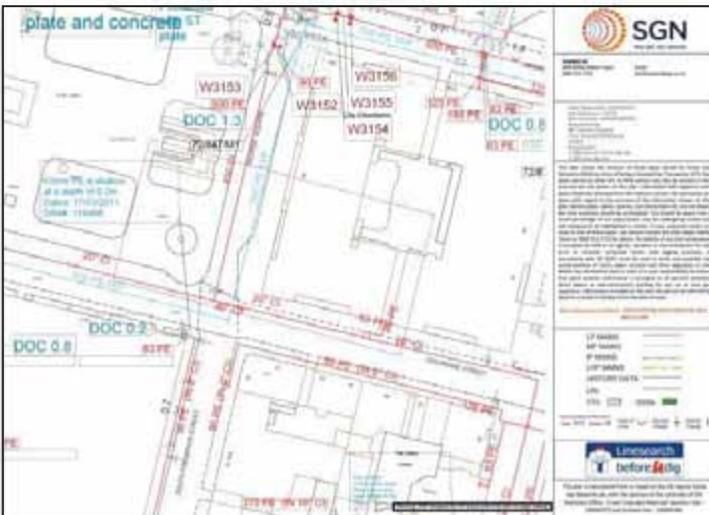


If you're unsure and need further help, please contact us and we'll arrange for a plant protection officer to get in touch with you.

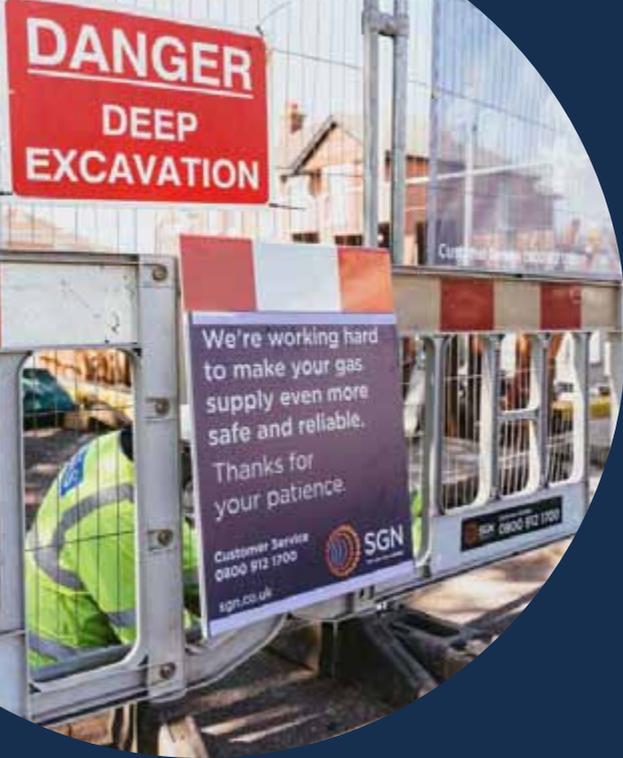
Gas services/work in gardens

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



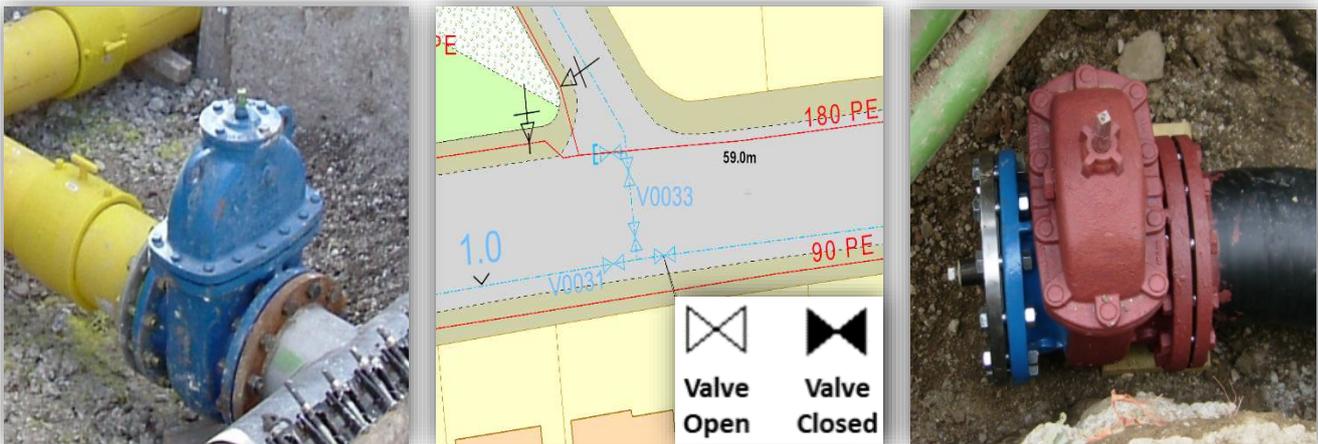
Guidance when undertaking work near gas valves in our network areas

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.

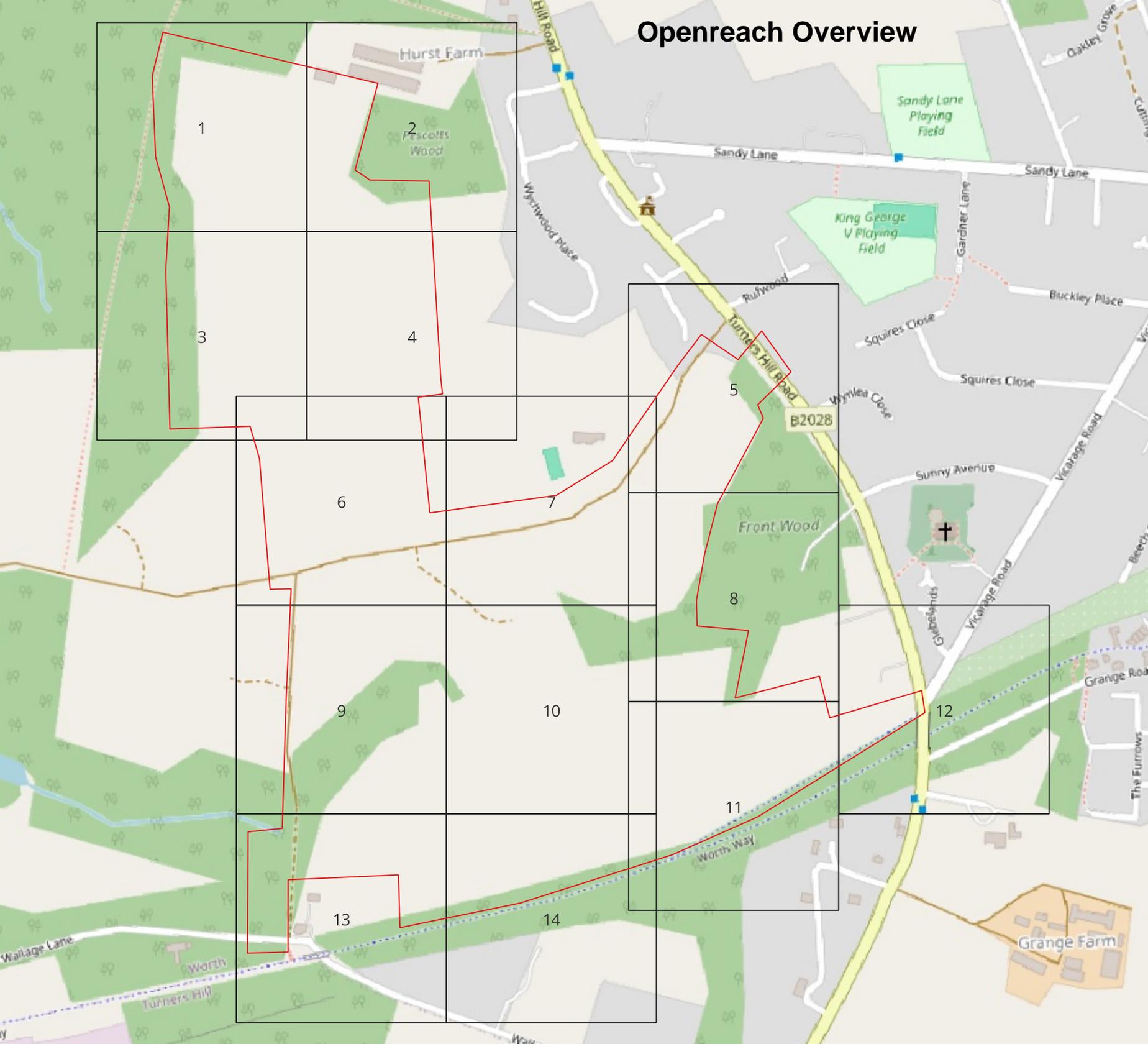
Contact details

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

Safety Admin Team: **0800 912 1722**
plantlocation@sgn.co.uk

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

Openreach Overview



Maps by email Plant Information Reply



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KEY TO BT SYMBOLS

	<i>Planned</i>	<i>Live</i>	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	<i>Pending Add</i>	<i>In Place</i>	<i>Pending Remove</i>	<i>Not In Use</i>		
Power Cable						
Power Duct				N/A		

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BT Ref : RJN11551G
Map Reference : (centre) TQ3338337990
Easting/Northing : (centre) 533383,137990
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Power Cable						
Power Duct				N/A		

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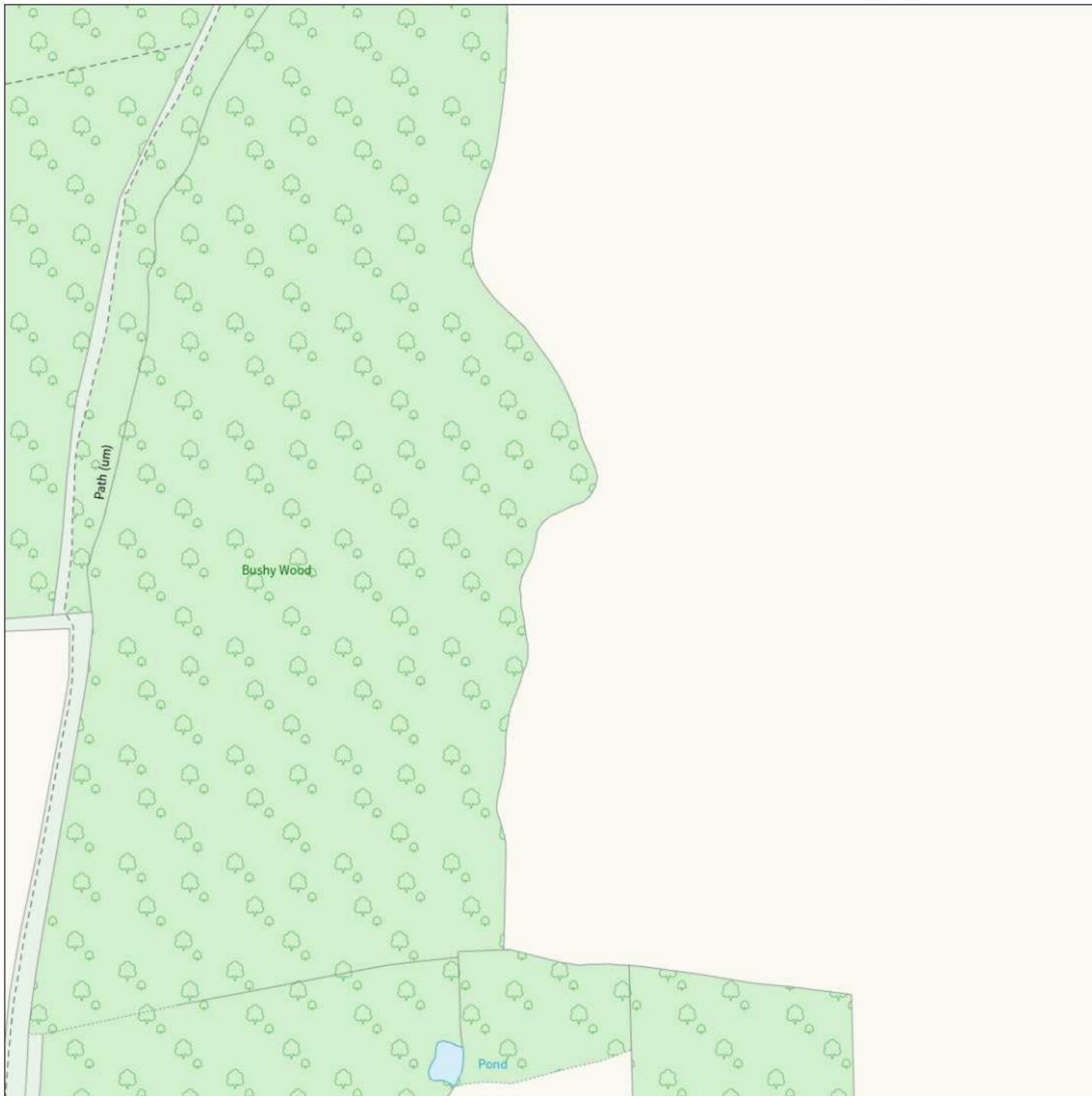
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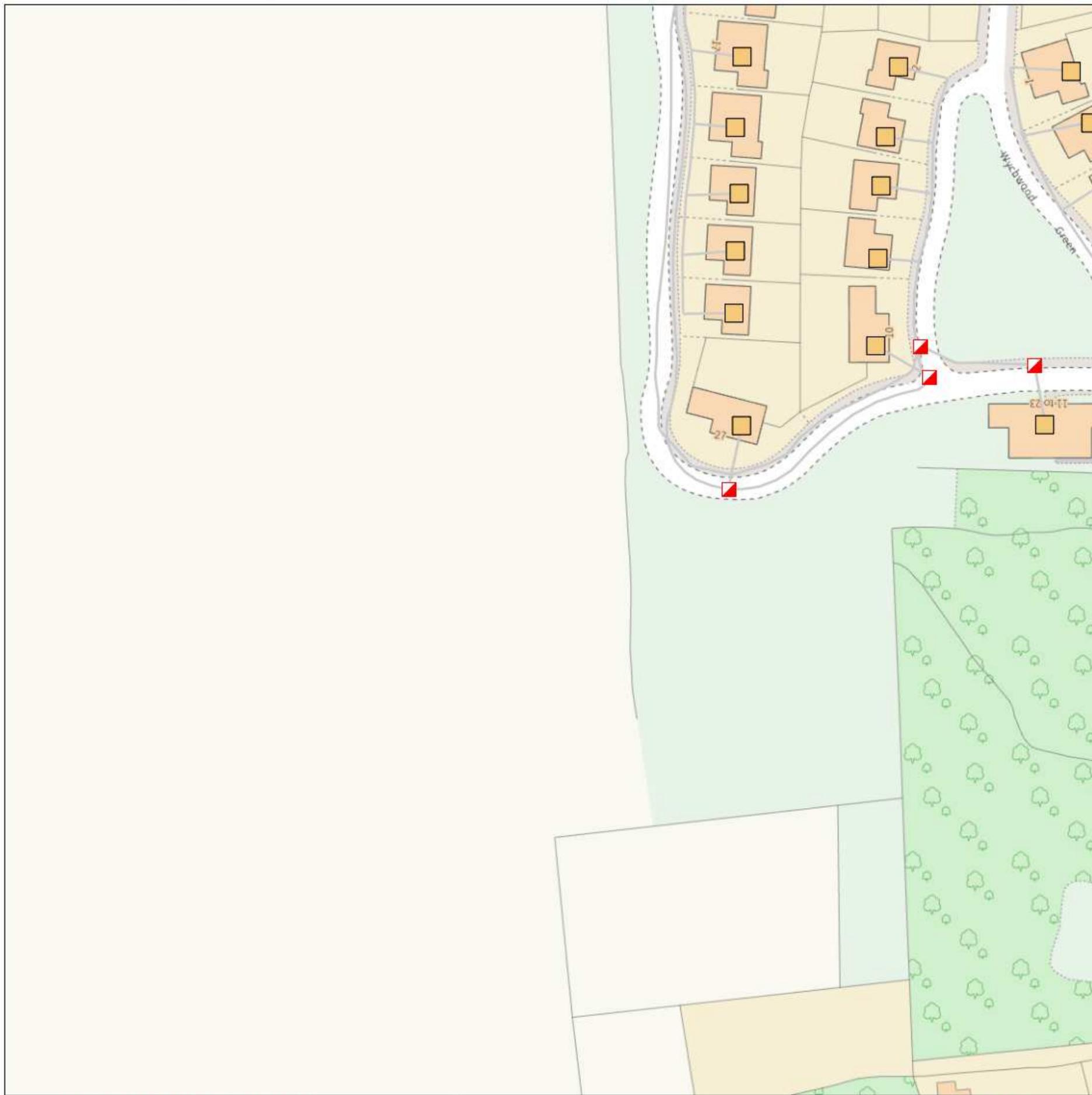
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Power Cable						
Power Duct				N/A		

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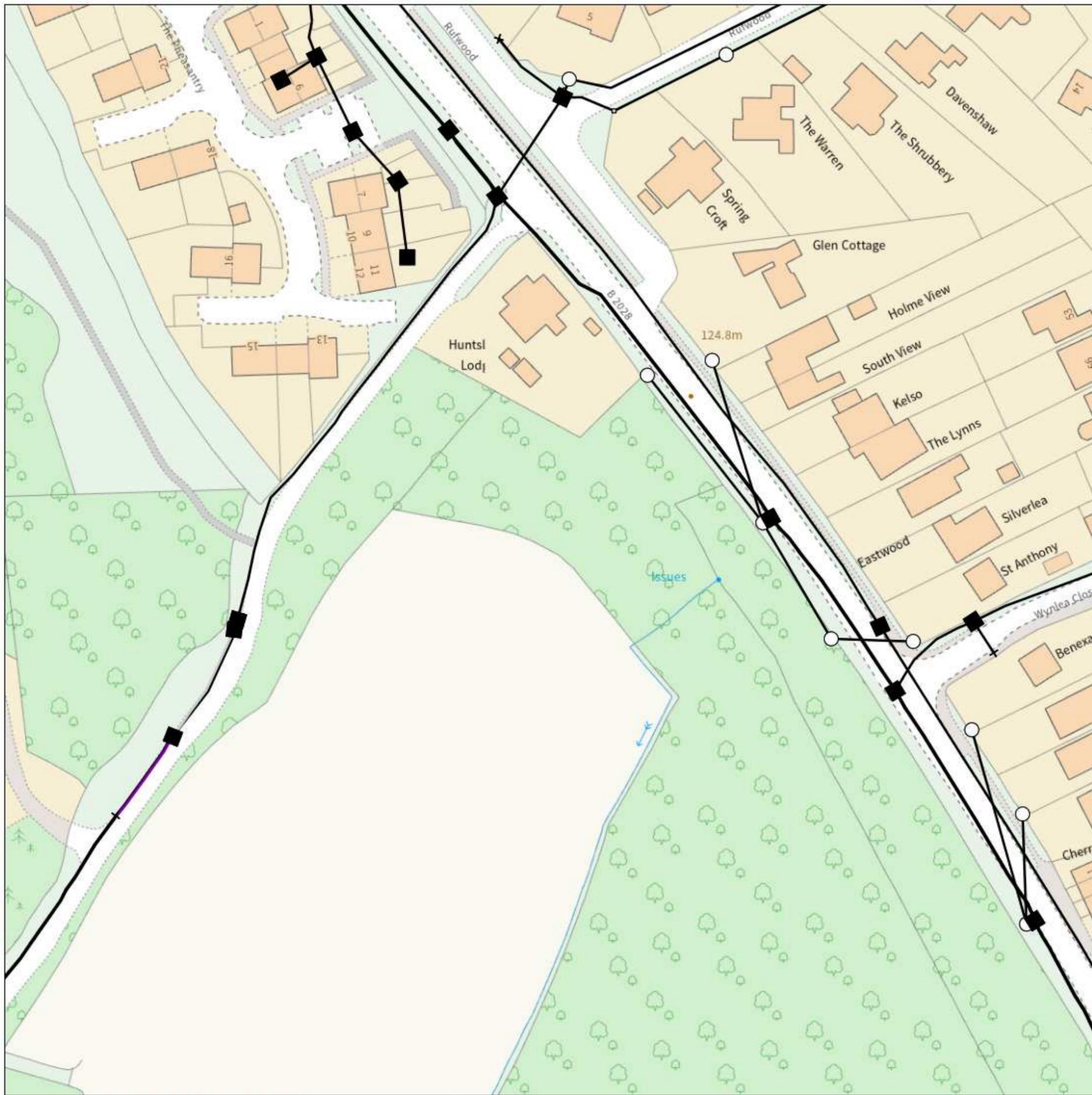
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Power Cable						
Power Duct				N/A		

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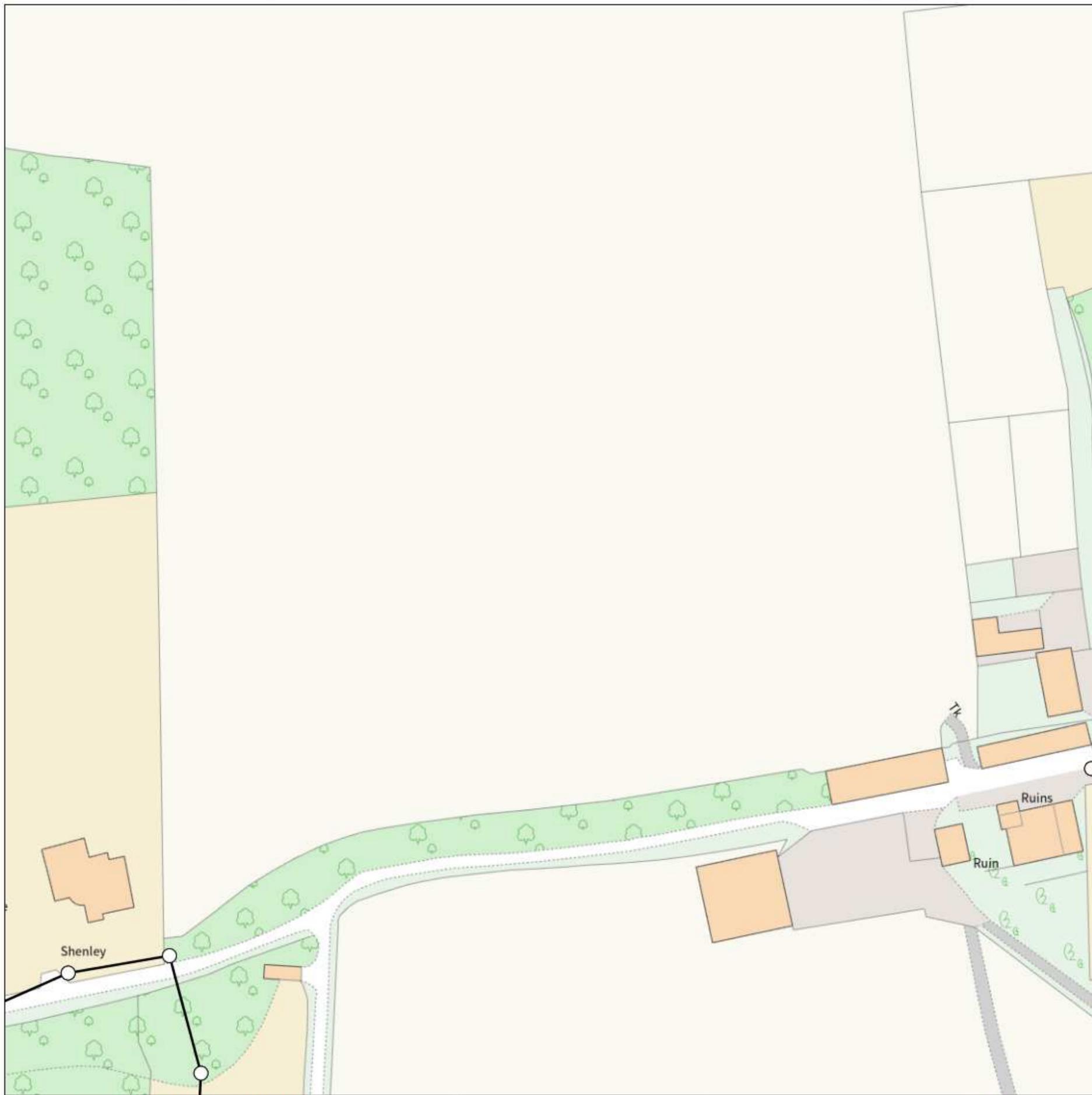
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Power Duct				N/A		

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

BT Ref : FCF115680

Map Reference : (centre) TQ3354337561

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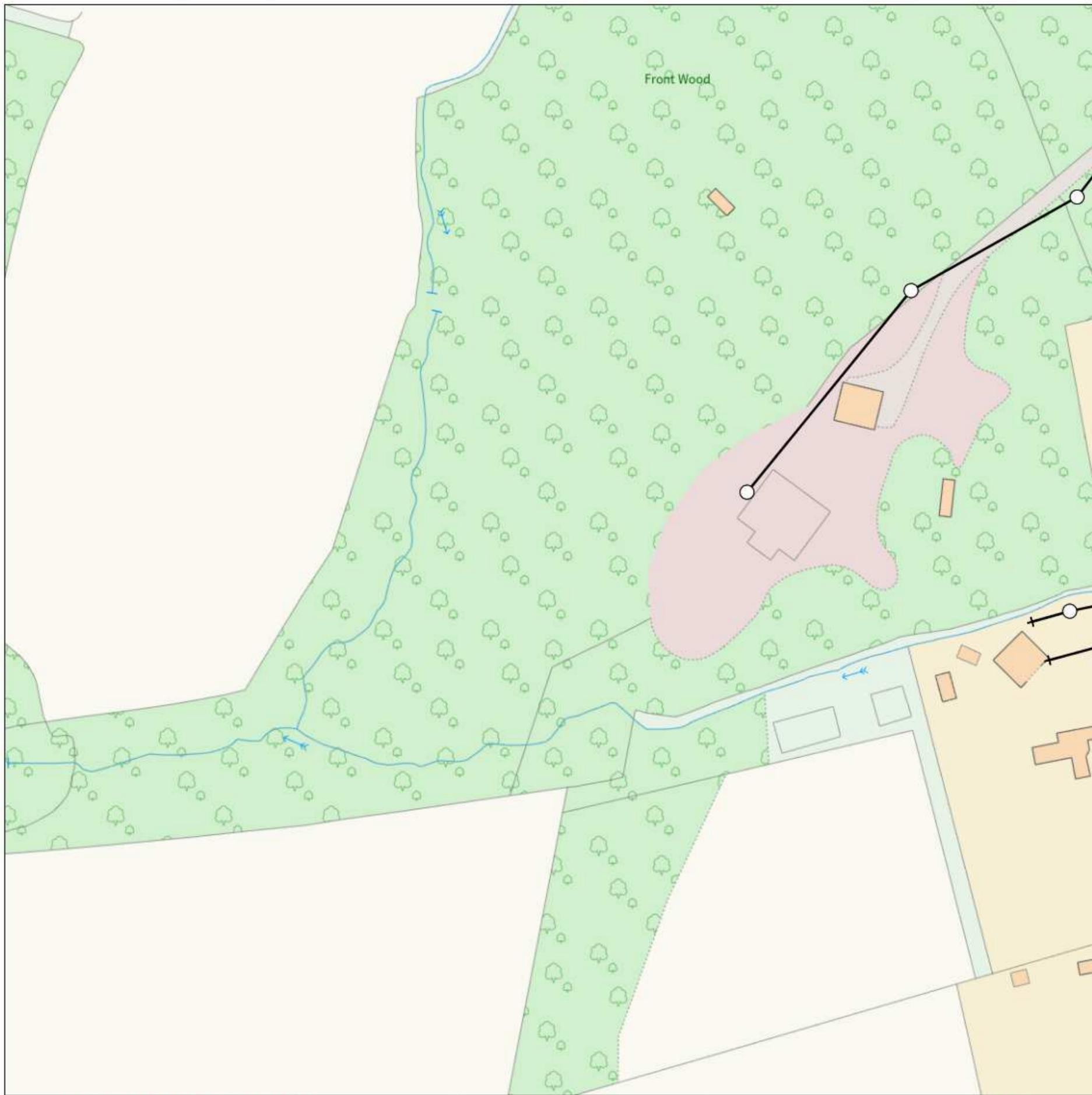
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	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

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	<i>Pending Add</i>	<i>In Place</i>	<i>Pending Remove</i>	<i>Not In Use</i>		
Power Cable						
Power Duct				N/A		

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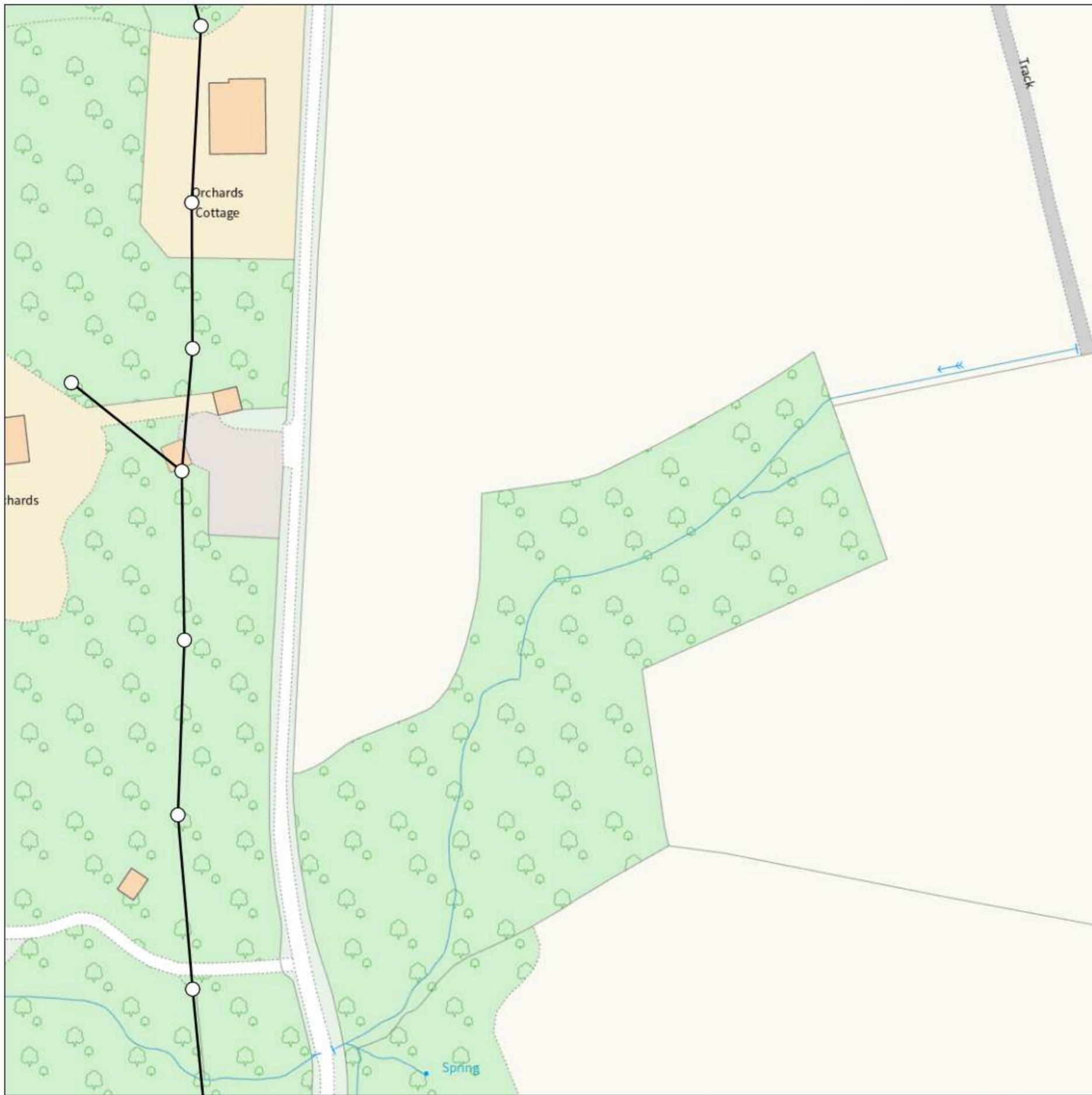
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Maps by email Plant Information Reply



IMPORTANT WARNING

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



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www.openreach.co.uk/cbyd

Accidents happen

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

KEY TO BT SYMBOLS

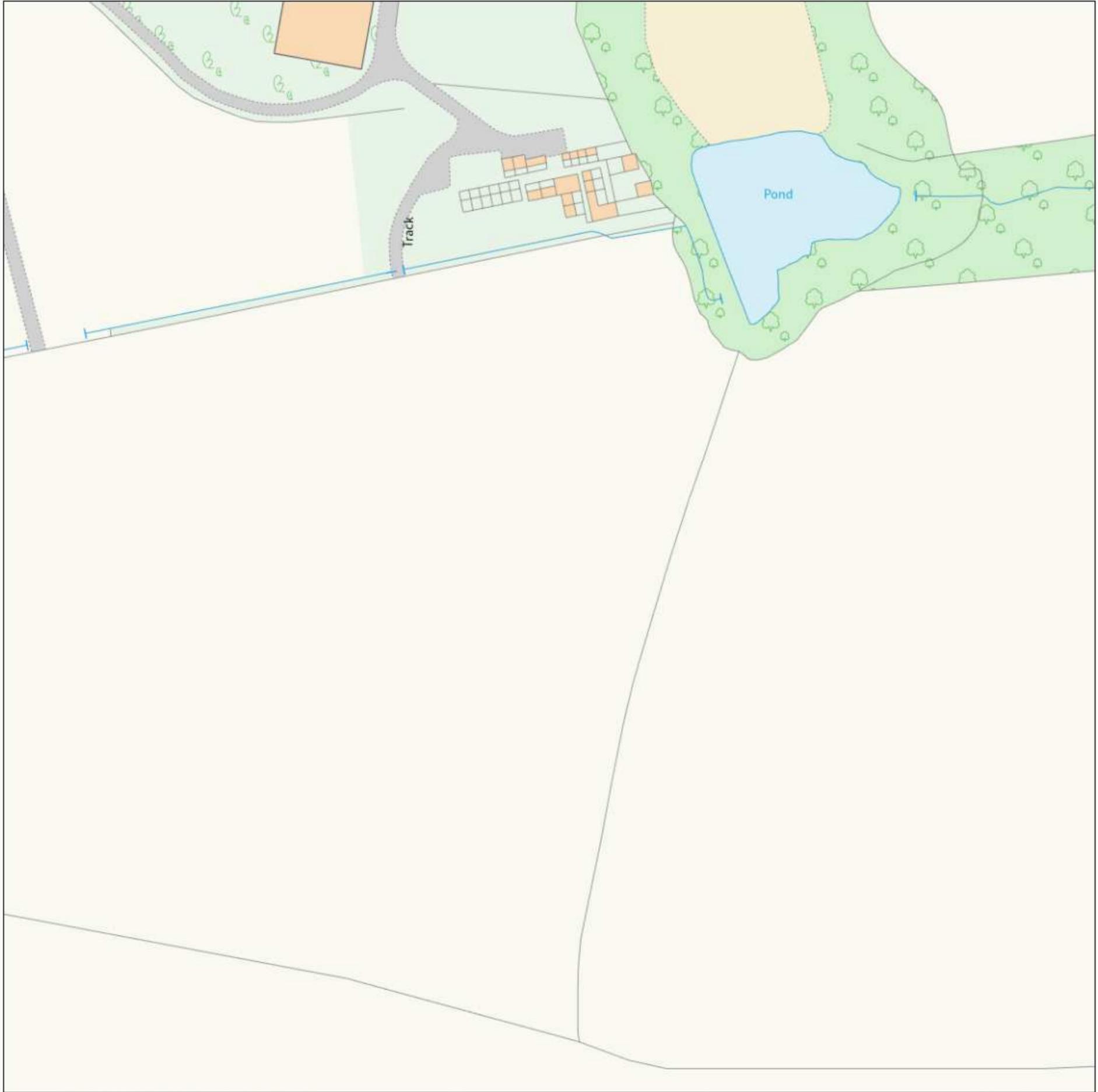
	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

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BT Ref : NRX11575Y
Map Reference : (centre) TQ3354337321
Easting/Northing : (centre) 533543,137321
Issued : 21/02/2024 11:57:16

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KEY TO BT SYMBOLS		Change Of State	+	Hatchings	
	<i>Planned</i>	<i>Live</i>	×	Built	
PCP			▲	Planned	
Pole			■	Inferred	
Box			Ⓚ	Duct	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.		
Cabinet					
	<i>Pending Add</i>	<i>In Place</i>	<i>Pending Remove</i>	<i>Not In Use</i>	
Power Cable					
Power Duct				N/A	

BT Ref : MWO11578P

Map Reference : (centre) TQ3378337321

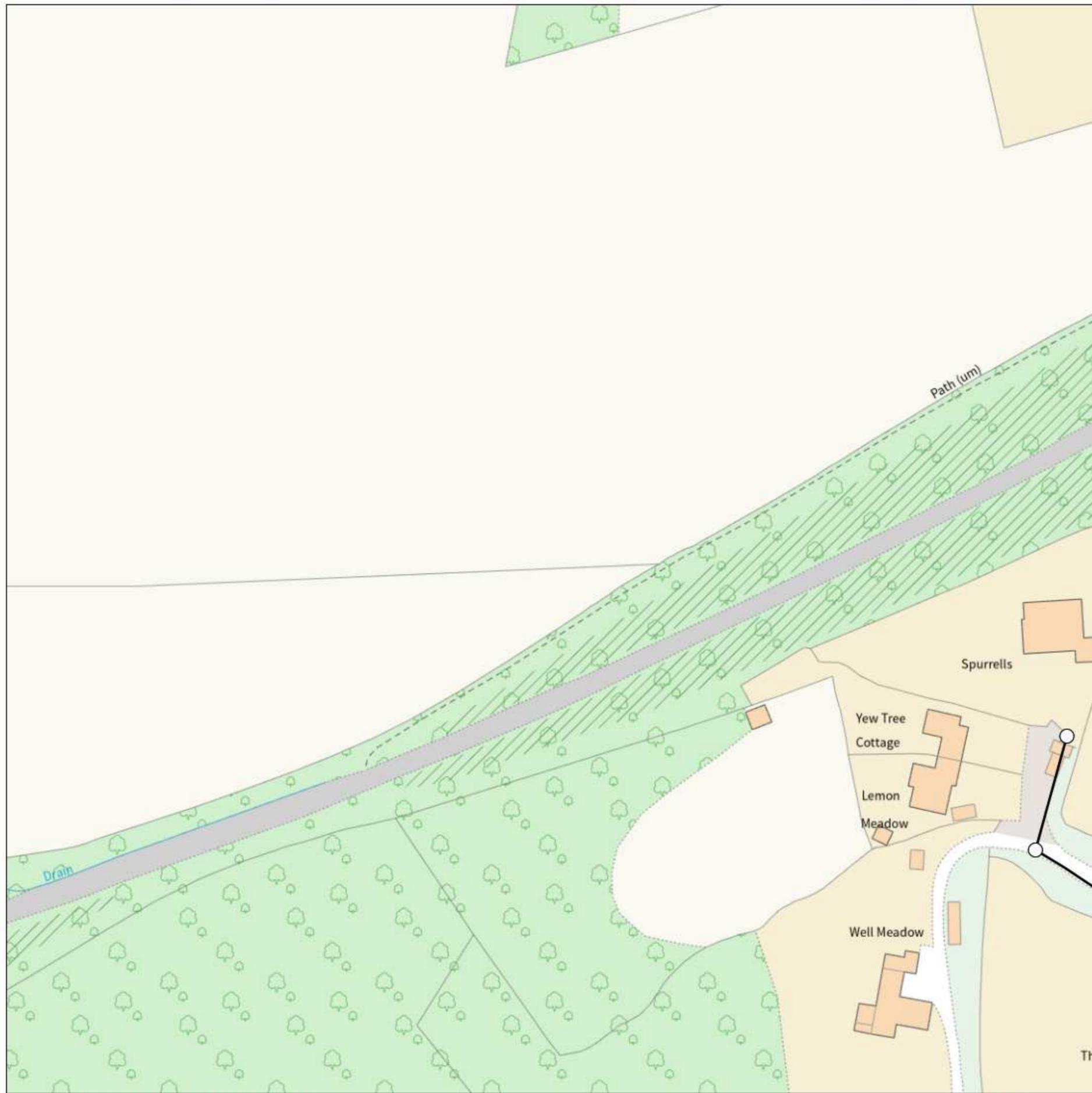
Easting/Northing : (centre) 533783,137321

Issued : 21/02/2024 11:57:19

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Maps by email Plant Information Reply



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KEY TO BT SYMBOLS

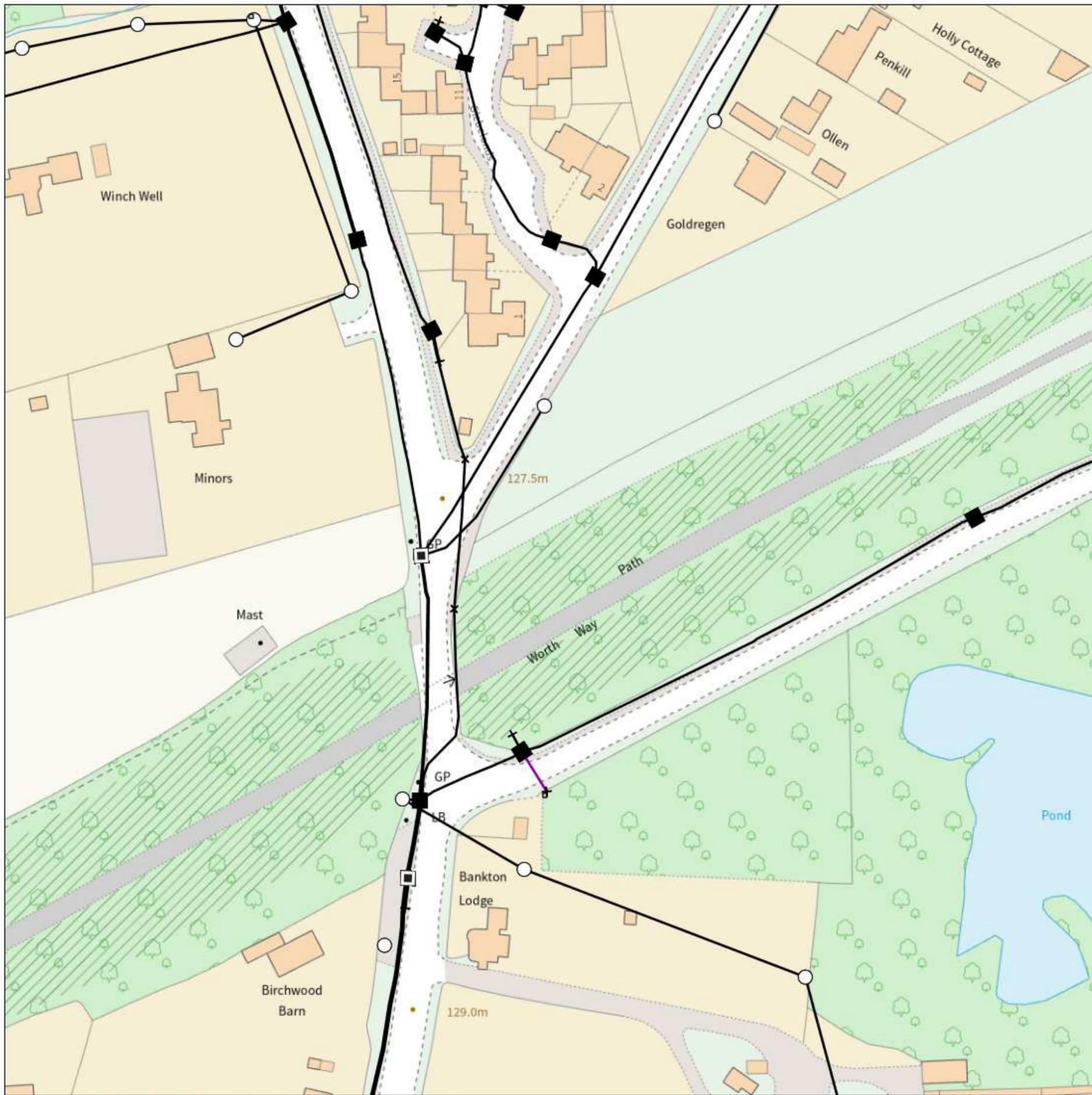
	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

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BT Ref : FJS115780
Map Reference : (centre) TQ3399137210
Easting/Northing : (centre) 533991,137210
Issued : 21/02/2024 11:57:31

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KEY TO BT SYMBOLS

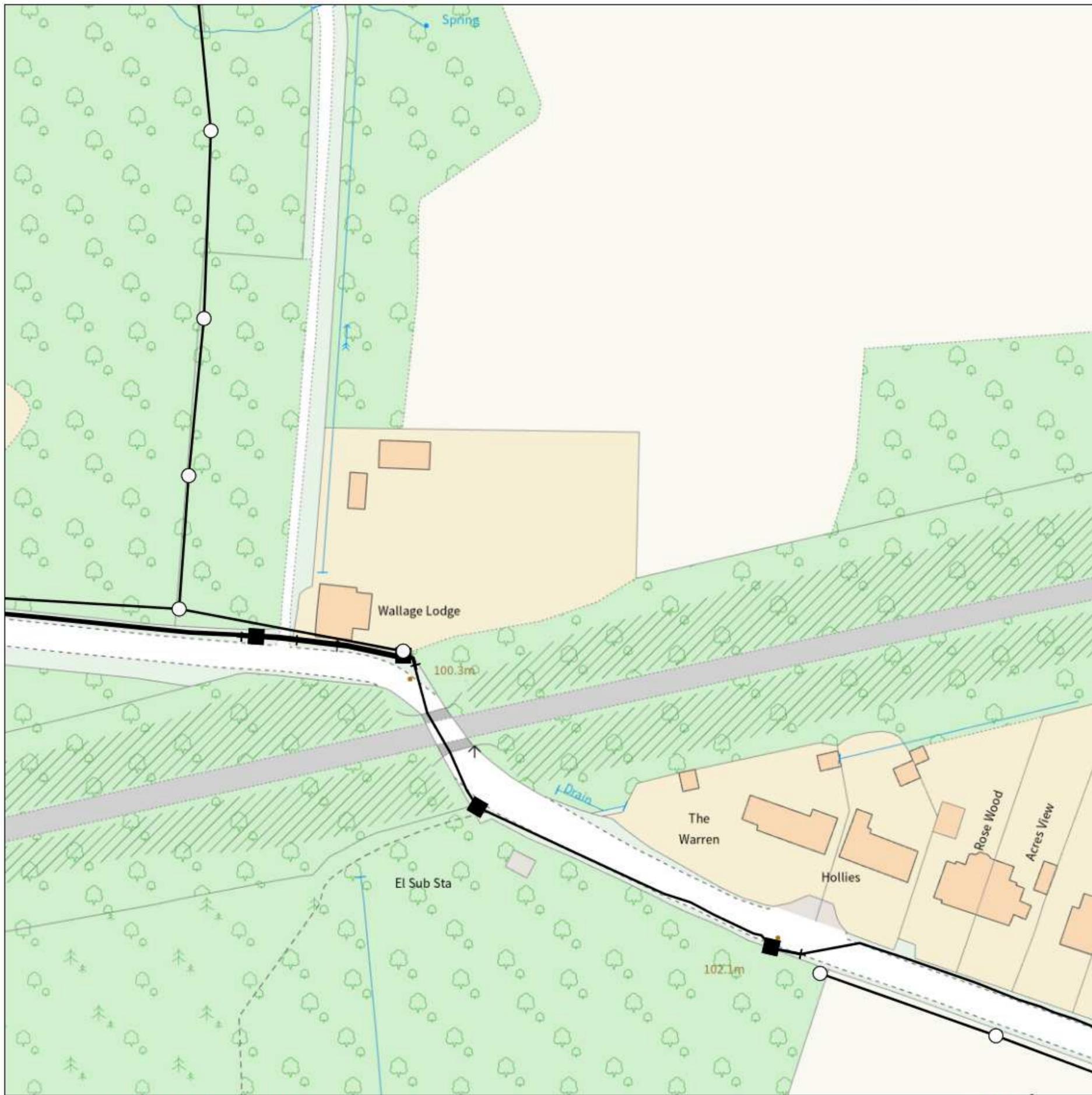
	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

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BT Ref : OCO11579R
Map Reference : (centre) TQ3423137321
Easting/Northing : (centre) 534231,137321
Issued : 21/02/2024 11:57:38

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KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

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BT Ref : HFB115750
Map Reference : (centre) TQ3354337081
Easting/Northing : (centre) 533543,137081
Issued : 21/02/2024 11:57:54

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Maps by email Plant Information Reply



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KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : MLH11579I

Map Reference : (centre) TQ3378337081

Easting/Northing : (centre) 533783,137081

Issued : 21/02/2024 11:58:03

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Tara McCallion

From: plantenquiryservice@gtc-uk.co.uk
Sent: 21 February 2024 10:24
To: Tara McCallion
Subject: GTC Plant Enquiry - Ref- 4108713
Attachments: 4108713.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: 4108713
Your Enquiry Ref: Land west of Crawley

Dear Tara,

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.

N9007009

Gas

- [N9007009-1_1_of_1.png](#)

N0021714

Gas

- [N0021714-1_1_of_1.png](#)

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

- GTC Pipelines Limited
- Independent Pipelines Limited
- Quadrant Pipelines Limited
- Electricity Network Company Limited

- Independent Power Networks Limited
- Independent Water Networks Limited
- Open Fibre Networks Limited
- Independent Community Heating Limited

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

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

Important: The area of your proposed works may contain gas mains operating at Medium and Intermediate Pressure tiers or electric cables operating at High Voltage – please refer to the network drawings included with this email. If your proposed works are likely to involve excavation within 10 metres of any of these assets, including but not limited to gas governors and electric substations you MUST inform GTC Plant Enquiries by calling 01359 240363 and quoting your Plant Enquiries Service Reference number.

Important: Drawings provided by this service may include utility assets not owned or managed by GTC. Conversely our drawings will NOT display assets from all third parties. It is your responsibility to ensure you have requested information from all utility asset owners.

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

Electricity Network Damage MUST be reported to ENC on 0800 032 6990.

Water Network Damage MUST be reported to IWNL on 02920 028 711

Fibre Network Damage MUST be reported to IFNL on 0845 051 1669

Thank you for using the GTC Plant Enquiries Service.

Your sincerely,

GTC Plant Enquiry Service

GTC

Synergy House

Woolpit Business Park

Woolpit

Bury St Edmunds

Suffolk, IP30 9UP

Tel: 01359 240363

plant.enquiries@gtc-uk.co.uk

NOTE:

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

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

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Gas Notes
 All gas mains, services and ducts that shall contain gas pipes, must be covered with gas identification marker tape 150mm above the apparatus.
 Gas mains and services should have a minimum of 200mm clearance from other utilities.

Minimum Proximity to Properties

Diameter of main (mm)	Minimum Building Proximity (m)		
	0.2 bar	0.5 bar	1.0 bar
150-125	2	2	4
100-50	1	2	4
50-25	1	2	4
25-15	1	2	4

Ducting Specification
 Ducting for services must be yellow and non-perforated and only used perpendicular carriageways crossings.
 Ducting for services must be yellow and perforated along its entire length.
 Only one pipe is allowed per duct.

Gas Pipe External Diameter	Duct Inside Diameter
25mm & 32mm	50mm
40mm	100mm
50mm	150mm
75mm	200mm
100mm & 125mm	300mm
150mm	400mm

Meter Positions
 For all meter run types any position where damage could occur, secondary path vehicles, shall be avoided.
 Semi-concealed/uncovered meter boxes shall not:
 • Obstruct footpaths
 • Obstruct highways
 • Be a trip hazard

Material Specifications
 For material specifications please refer to G5-GPSC-ES-0002 Gas Execution Criteria set by BULK.
 The trenches highlighted in blue will be excavated and reinstated by BULK contractors, the excavation and reinstatement of the other trenches will be the responsibility of the customer.

Legend

Symbol	Description
[Red Line]	150mm LP P100
[Green Line]	100mm LP P100
[Blue Line]	50mm LP P100
[Yellow Line]	25mm LP P100
[Orange Line]	15mm LP P100
[Purple Line]	10mm LP P100
[Light Blue Box]	Excavated and reinstated by BULK
[Light Yellow Box]	Excavated and reinstated by customer
[Yellow Circle]	Open / Closed Valve
[Blue Circle]	Pressure Reduction Station
[Red Circle]	Block
[Green Circle]	Manhole
[Blue Circle]	Point Load
[Yellow Circle]	Unblock
[Blue Circle]	End Cap



Plan Notes
 This plan shows apparatus owned by the BULK Group. Any third party apparatus indicated on these drawings is shown for indicative purposes only. The information shown on this plan is given without warranty, the accuracy cannot be guaranteed. No liability of any kind whatsoever is accepted by the company. Safe digging procedures in accordance with HGS/247 must be used to verify and establish the actual position of apparatus. This plan is reproduced by the permission of Ordnance Survey on behalf of BULK. © Crown copyright and database right 2007. All rights reserved. Ordnance Survey Licence number 010002000.

Developer Responsibility
 Where apparatus have been laid it becomes the responsibility of the developer to ensure it is installed protected, wherever building should be carried out as soon as possible. Replacement and repair of damaged apparatus, including administrative costs will be fully managed by the developer. It will be the developer's responsibility to recover the costs from the third parties.

Revision Notes
 For a revision history of this network design please see separate revision history document.

gtec
 leading utility networks
 GTC, Weighall Business Park, Luffham, SP16 5HP
 Tel: 01394 240343
 www.gtc-uk.co.uk

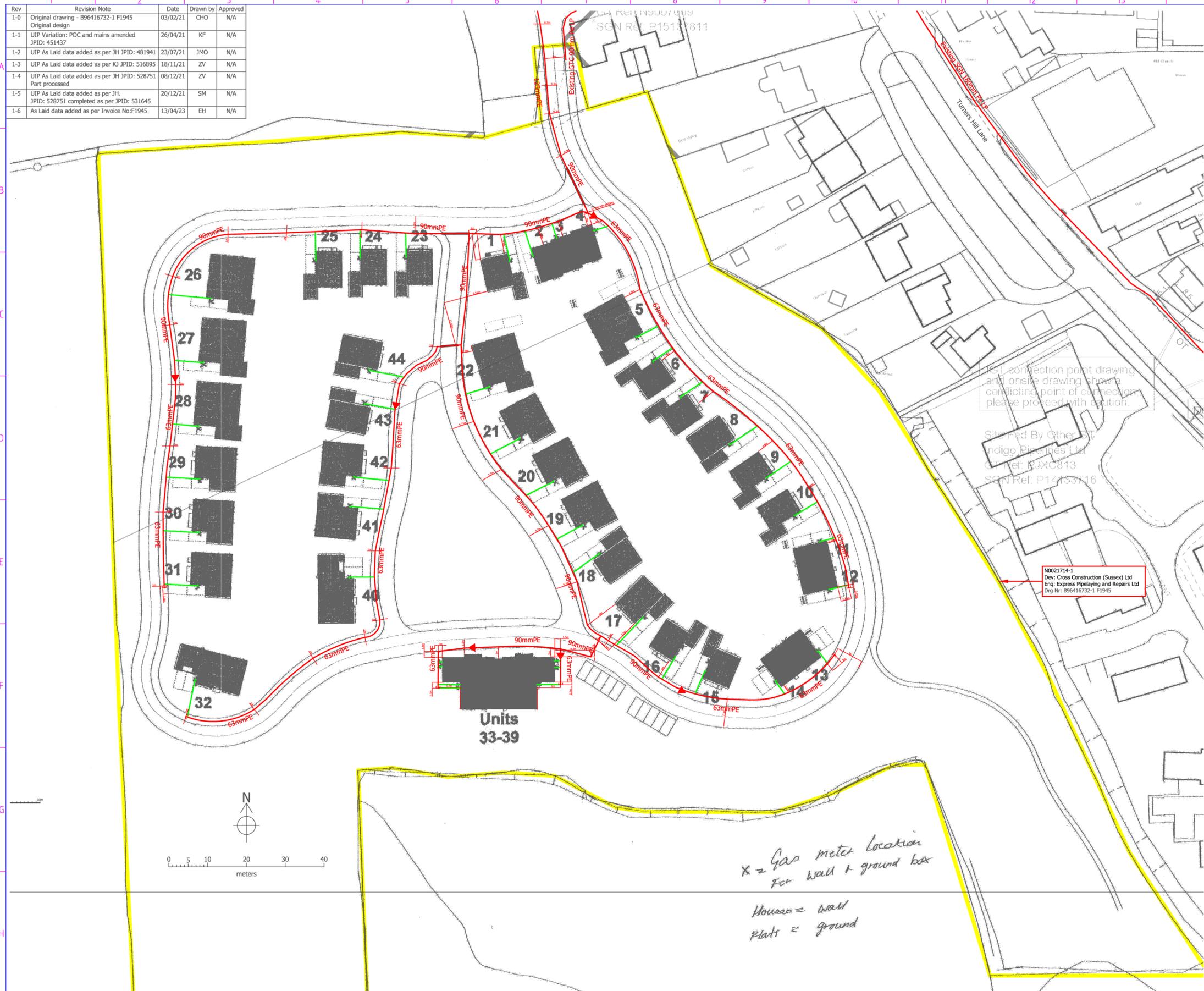
Last Edited By: SIMON SKIPPER 10-03-2021

Approved

OS Ref: 533776.137992
 Location: Wychwood, Plots 1 - 23
 Turners Hill, Crawley
 Down

Developer/Client:
 British Gas
 Drawing Number/Title:
 N9007009-1_1_of_1_appendix
 Network Number: N9007009-1 Project Number: N9007009-1
 Scale: 1:500 Sheet Size: A1 Revision: 2-0

Rev	Revision Note	Date	Drawn by	Approved
1-0	Original drawing - B96416732-1 F1945 Original design	03/02/21	CHO	N/A
1-1	UIP Variation: POC and mains amended JPID: 451437	26/04/21	KF	N/A
1-2	UIP As Laid data added as per JH JPID: 481941	23/07/21	JMO	N/A
1-3	UIP As Laid data added as per KJ JPID: 516895	18/11/21	ZV	N/A
1-4	UIP As Laid data added as per JH JPID: 528751 Part processed	08/12/21	ZV	N/A
1-5	UIP As Laid data added as per JH JPID: 528751 completed as per JPID: 531645	20/12/21	SM	N/A
1-6	As Laid data added as per Invoice No:F1945	13/04/23	EH	N/A



Best connection point drawing and onsite drawing show a conflicting point of connection please proceed with caution.

Site Ref By Other
Indigo Pipelines Ltd
Ref: IXC813
SQN Ref: P14153716

N0021714-1
Dev: Cross Construction (Sussex) Ltd
Eng: Express Pipelaying and Repairs Ltd
Drg Nr: B96416732-1 F1945

Proposed Services
All services to be ducted. Duct laid by the developer at 450mm cover to the finished level. Road crossings to be separately ducted with their position clearly marked. All duct to be 30mm diameter continuous plastic. Services will be laid wherever possible.

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

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

Gas Service	Proposed	As-Laid
LP Pipe	Red dashed line	Red solid line
MP Pipe	Blue dashed line	Blue solid line
IP Pipe	Green dashed line	Green solid line
HP Pipe	Orange dashed line	Orange solid line
Ducted	Black dashed line	Black solid line
Excavated by BAKK	Blue dashed line with dots	Blue solid line with dots
S278 Works Boundary	Yellow dashed line	Yellow solid line
Asset Boundary	Green dashed line	Green solid line
LP connection to other PCT	Red circle with dot	Red circle with dot
MP connection to other PCT	Blue circle with dot	Blue circle with dot
IP connection to other PCT	Green circle with dot	Green circle with dot
Pressure Reducing Station (Governor)	Blue circle with 'G'	Blue circle with 'G'
Reducer	Red triangle	Red triangle
Valve	Red circle with 'V'	Red circle with 'V'

Duct Sizes

Gas Pipe Outside Diameter	Duct Inside Diameter
20.0mm	100mm
25.0mm	100mm
32.0mm	100mm
40.0mm	100mm
50.0mm	100mm
63.0mm	100mm
75.0mm	100mm
90.0mm	100mm

ANY ORIGINATOR FROM THESE SIZES AT THE DEVELOPER'S OWN RISK

Minimum Proximity to Properties - Pe Mains

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

This plan shows those pipes owned by GTC Pipelines Ltd. Gas pipes owned by other transporters or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. No liability of any kind whatsoever is accepted by the company, its agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HSG017, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus.

This gas network design has been carried out by:

GTC Design Engineer
GTC
Woolpit Business Park
Bury St Edmunds
Suffolk
IP30 9LP

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

GIRS Reg. No: IUP 2000015/0017/001F
All pipe and fittings used on this design are to be in accordance with GIS/PL2, GIS/L2 and GIS/F7
© GTC Pipelines Ltd 2006

Drawing Scale : 1:500
O.S.REF : 533753, 137934
Network Number : N0021714-1
Linked Networks : N9007009-1
Drawing Number : N0021714-1_R1-6_1_of_1

Developer : Cross Construction (Sussex) Ltd
Enquirer : Express Pipelaying and Repairs Ltd
Location : Wychwood, Turners Hill Road, CRAWLEY DOWN, RH10 4HG

gtc
pipelines limited

SHEET SIZE **A1**

SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

Introduction

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

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

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

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

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

The Dangers

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

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

General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE (Health and Safety Executive) in their document HSG47 "Avoiding Danger from Underground Services", ISBN 978 0 7176 6584 6, 3rd Edition 2014. No party shall carry out any excavation works or other intrusive works such as piling, blasting or demolition without following the guidance in HSG47.
2. We own gas, electricity, water, waste water, fibre, and district heating apparatus located in the highway, private property and through the countryside. Some plant may be located in land for which a wayleave or easement has been granted and there may be no surface evidence of the presence of apparatus.
3. Ensure that you have obtained detailed plans of existing and proposed gas, electricity, water, waste water, fibre, and district heating networks before any works commence.
4. The position of the networks shall be pinpointed as accurately as possible by visually surveying the area for indications of apparatus, by means of a locating device, and reference the information gathered to the plans. Locating equipment must be tested and calibrated within the manufacturer's calibration date.

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

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

5. Hand-held power tools can damage buried apparatus and shall be used with care until the exact position of a utility has been determined. They may only be used to break a paved or concrete surface above the network, unless there are any indications that the network is particularly shallow; in such circumstances, accuracy of plant location is determined and excavation initiated adjacent to the apparatus.
6. No manhole, chamber or other structure shall be built over, around or under the network. Such structures, other pipes, ducts and cables should be laid to provide a minimum clearance from the existing network of 300mm or 1.5 times the diameter of the asset, whichever is the greater. No work should be carried out if this minimum clearance cannot be met or which results in a reduction of cover or protection over the network, without first consulting GTC, please seek advice from GTC.
7. Where an excavation uncovers any network apparatus the backfill shall be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network shall be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and shall be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction shall take place until at least 200mm cover of selected fine fill has been suitably compacted by hand tools.
8. If the road construction is close to the top of the network, GTC shall be asked to identify whether any additional precautions are necessary. The road construction depth should not be reduced without permission from the local Highway Authority.
9. Costs incurred by GTC through direct or consequential damage shall be recharged.
10. Where utilities are within a duct the duct should be treated in the same manner as live utility cable/pipe/fibre and any work in the vicinity of the apparatus shall be carried out with caution.

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

Precautions for Gas Networks

11. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.
12. The depth of cover for gas mains is typically 750mm in carriageways and grass verges, 600mm in footways and 1.1m in open field. The depth of cover for gas services is typically between 375mm and 600mm. Reference should always be made to the network drawing. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
13. Gas pipes should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

- 14.** If a gas leak is suspected, the following action should be taken immediately:
- Remove all people from the immediate vicinity of the escape. If the service connection to a building or the adjacent main has been damaged, warn the occupants to leave the building, and any adjoining building, until it is safe for them to return. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building. Gas leaking from the damage inside or gas travelling along the line of the service connection pipe from outside the building may cause a build-up of gas within the building.
 - Prohibit smoking, and extinguish all naked flames and other sources of ignition i.e. stop excavator and compressor engines within at least 5.0m of the leak.
 - Inform the National Gas Emergency Service immediately by dialling:
0800 111 999
 - Remain on site.
 - Assist the Gas Emergency Service Provider staff, Police, Fire Services or other Statutory Authorities as requested.
- 15.** Where gas pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the gas pipe or cause excessive loading over the gas pipe then GTC shall be consulted.
- 16.** No concrete or other hard material should be placed or left under or adjacent to any gas pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a gas pipe.
- 17.** Where an excavation uncovers a gas pipe with a damaged wrapping, GTC shall be informed, so that repairs can be made to prevent future corrosion and leakage.
- 18.** Pipe restraints or thrust blocks close to gas mains shall not be removed or interfered with as they are a safety feature of the live gas network.
- 19.** Anyone who carries out work near underground gas plant should observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to gas pipes should be made.
- 20.** Where excavation is within 5m proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small auxiliary pipework that is more susceptible to damage.
- 21.** Where PE pipes and cables have been exposed and it is intended that hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.
- 22.** GTC shall be consulted if it is intended to carry out any of the following activities:

- Using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment.
- Piling or boring within 15m of gas plant.
- Excavating within 10m of pressure reduction equipment.
- Reducing the cover or protection of a gas pipe.
- Carrying out deep excavations nearby (minimum of 2m up to 15m).
- Working within 3m of GTC's intermediate pressure (IP) mains.

Precautions for Electricity Networks

- 23.** Plans do not always show the presence of electric service cables (from the electricity main to premises) but their existence should be assumed.
- 24.** In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried cable. Even if no cables are shown on plans or detected by a locator, there may still be cables present, which could be live and a close watch should be kept for any signs which could indicate their presence such as marker tape, tape tile, concrete tiles and wooden battens. Any marker which is disturbed by our excavations must be replaced once work is completed.
- 25.** Typically underground cables are laid in trenches between 450mm and 1000mm deep, although some high voltage cables will be deeper, however, depths should never be assumed.
- 26.** A cable is positively located only when it has been safely exposed. Even then, digging should still proceed with care as there may be other cables adjacent or lower down.
- 27.** Occasionally, cables are terminated in the ground by means of a seal, sometimes with external mechanical protection. These "pot ended" or "bottle ended" cables should be treated as live and should not be assumed to be abandoned or disused. They can be difficult to detect with locators even when "live".
- 28.** Where practicable, such power tools shall only be used 500mm or more away from the indicated line of a cable buried in or below a hard surface. Having done so, the cable shall then be positively located by careful hand digging under the hard surface. The hard surface should be gradually removed until the cable is exposed. If the cable is not exposed then it must be assumed to be embedded within the surface. Where possible a cable locator shall be used as a depth guide down the side of the excavation.
- 29.** Because of the difficulty in confirming depth, hand held power tools shall never be used over the cable unless either:
 - The cable has already been exposed by digging under the surface to be broken out and it is at a safe depth (at least 300mm) below the bottom of the hard surface material.
 - or
 - Physical precautions have been taken to prevent the tool striking the cable.

- 30.** Excavating close to electricity cables buried in concrete is dangerous and shall not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.
- 31.** Where mechanical excavators are used in the possible vicinity of underground cables, the work should be arranged so that damage to cables is avoided so far as is reasonably practicable. To minimise danger to operatives those onsite shall be outside of the reach of the excavator bucket and shall not enter the trench whilst digging is undertaken. Excavator operators shall be instructed to stay in the cab if a cable is struck. If excavator operators have to exit the cab they should jump clear. If excavator operators climb down from the cab the risk of electrocution is significantly increased. If a cable is struck, the machine involved shall be subject to continuous observation and no one shall enter the excavation or approach the machine or the cable until GTC have been contacted and the damaged cable has been made safe.
- 32.** Where cables have been exposed:
- Any damage shall be reported to GTC immediately on: **0800 032 6990**
And work shall not be undertaken in the vicinity of a damaged cable until GTC has investigated its condition.
 - For more than 1.0m and they cross a trench, support shall be provided. If the exposed cable length is shorter than 1.0m support shall still be considered if joints have been exposed or the cable appears otherwise vulnerable to damage. Where advice and help is needed contact GTC.
 - Suitable precautions shall be taken to prevent damage from on-going work in the excavation. This may involve for example the use of physical means (e.g. timber boards, sandbags etc) to prevent mechanical damage. Materials or equipment which could damage or penetrate the outer sheath of the cable shall not be used. Cables lying in the bottom of an excavation are particularly vulnerable and shall be protected by nail free wooden planks, troughing or other suitable means.
 - Cables shall not be moved aside unless the operation is supervised by GTC.
 - Precautions shall be taken to prevent access by members of the public.
- 33.** GTC shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of plant or substations piling or boring within 15m of electric plant.
 - Excavating within 10m of a substation.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).
 - Working near GTC's HV plant.

Precautions for Water Networks

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

35. The depth of cover for water mains are typically 900mm. The depth of cover for water services are typically 750mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
36. Water mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
37. The danger created by damaging a water pipe with an excavator is much greater than if the damage is done with a hand-held power tool. Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators shall not be used within 500mm of a water pipe.
38. If a water leak is suspected, the following action should be taken immediately:
 - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage
 - Inform IWNL by dialling: **02920 442 716**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
39. Where water pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the water pipe or cause excessive loading over the water pipe then GTC must be consulted.
40. No concrete or other hard material should be placed or left under or adjacent to any water pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a water pipe.
41. Where an excavation uncovers a water pipe with a damaged wrapping, GTC shall be told, so that repairs can be made to prevent future corrosion and leakage.
42. Pipe restraints or thrust blocks close to water mains should never be removed.
43. Anyone who carries out work near underground water plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to water pipes should be made.
44. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.
45. GTC shall be consulted if it is intended to carry out any of the following activities:
 - Using explosives within 30m of plant.

- Piling or boring within 15m of water plant.
- Excavating within 10m of water asset structures.
- Reducing the cover or protection of a water main or service.
- Carrying out deep excavations nearby (minimum of 2m up to 15m).

Precautions for Fibre Networks

46. Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.
47. Chambers with IFNL or OFNL marked lids can be used as an onsite 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.
48. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried fibre duct. Even if no ducts are shown on plans there may still be ducts present which could have live fibre service installed. A close watch shall be kept for any signs which could indicate duct presence such as marker tape. Any marker which is disturbed by our excavations must be replaced once work is completed.
49. The depth of cover for fibre duct is typically between 350mm and 600mm in footways and grass verges, 600mm in carriageways and 1m in agricultural deployments. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
50. Fibre ducts should be located by hand digging before mechanical excavation begins. When the positions and depth of the ducts have been determined, work can proceed. Even then, digging should still proceed with care as there may be other ducts adjacent or lower down.
51. If fibre duct damage is suspected, the following action should be taken immediately:
 - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage at the point of impact. For example, damage to a fibre connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage.
 - Inform GTC Fibre immediately on: **02920 028 726**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
52. Where fibre ducts cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress on the duct. For ducts parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the duct from the excavation, the type of soil and any

excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the fibre duct or cause excessive loading over the fibre duct then GTC must be consulted.

53. No concrete or other hard material shall be placed or left under or adjacent to any fibre duct as this can cause damage to the duct at a later date. Any backfill should comply with the requirements of NRSWA. Concrete backfill should not be used within 300mm of a fibre duct.
54. Anyone who carries out work near underground fibre plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to fibre ducts should be made.
55. Where fibre ducts have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.
56. GTC shall be consulted if it is intended to carry out any of the following activities:
 - Using explosives within 30m of plant or fibre asset structures.
 - Piling or boring within 15m of fibre plant.
 - Excavating within 10m of fibre asset structures (including the OSCP).
 - Reducing the cover or protection of a fibre asset.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).

Precautions for District Heating Networks

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

57. Plans do not always show the presence of District Heating service pipes (from the District Heating main to premises) but their existence should be assumed.
58. The depth of cover for District Heating mains is typically a minimum of 600mm under normal light carriageways and during construction activities, additional temporary protective bridging should be placed over DHN pipe runs. The depth of cover for District Heating services is typically 6000mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
59. District Heating mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
60. The danger created by damaging a District Heating with an excavator is much greater than if the damage is done with a hand-held power tool. District Heating pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 600mm of a District Heating pipe.
61. If a water leak is suspected, the following action should be taken immediately:

- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage.
 - Inform Metropolitan by dialling: **02920 100 346**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
- 62.** Where District Heating cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the District Heating or cause excessive loading over the water pipe then Metropolitan must be consulted.
- 63.** No concrete or other hard material should be placed or left under or adjacent to any District Heating as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a District Heating.
- 64.** Where an excavation uncovers a District Heating pipe with a damaged insulation, Metropolitan should be told, so that repairs can be made to prevent future corrosions and leakage.
- 65.** Pipe restraints , Anchor blocks or foam padding close to district heating mains shall never be removed.
- 66.** Anyone who carries out work near underground district heating plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to district heating pipes shall be made.
- 67.** Where District Heating pipes have been exposed and it is intended hot work (e.g. welding, grinding, etc) will be carried out, contact shall be made with Metropolitan to confirm additional precautions and actions that may require to be undertaken.
- 68.** Metropolitan shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment.
 - Piling or boring within 15m of District Heating pipe.
 - Reducing the cover or protection of a District Heating pipe.
 - Carrying out deep excavations nearby.

Our Ref: 32534883 Your Ref: Land west of Crawley Down

Wednesday, 21 February 2024

Tara McCallion
Premier House Daux Road
Billingshurst
West Sussex
RH14 9SJ

Dear Tara McCallion

Indigo Pipelines Ltd - Asset Network Plans

In response to your enquiry regarding the location of network and equipment at the requested location, copies of our Record Plans are enclosed.

The plans show the positions and normal depths for the buried Indigo Pipelines Ltd Gas Plant. When they were installed. It must be stressed, however, that alterations to road alignments, surface levels and buildings may have been made subsequent to the records being taken. If you find buried Gas Plant that are not marked or are incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our records.

Please note that the plans supplied are based on the location/map information supplied by yourselves and, therefore, YOU MUST SATISFY YOURSELF THAT OUR PLANS SUPPLIED ADEQUATELY COVER THE AREA THAT YOU REQUIRE.

Please note that these records only show Gas plant owned by Indigo Pipelines Ltd. There may be other privately owned buried Gas Plant in the area, which is outside the control of Indigo Pipelines Ltd. You should also check with the Local Authority, Cadent; Southern Gas Networks, Scotland Gas networks & Wales & West Utilities before proceeding.

For more information, consult the Health & Safety Executive's booklet HS (G) 47 - obtainable from the HSE.

I would particularly draw your attention to the need to take trial holes to determine the exact position and depth of buried Gas Plant to avoid the risk of injury to staff or damage to the existing Plant.

General Advice:

-
- a) Please ensure, where appropriate, that your CONTRACTORS have a copy of this letter and the enclosed plan(s).
 - b) Please note that the cost of any repairs or claims against Indigo Pipelines Ltd as a result of your works will be invoiced to you or your contractor.
 - c) Indigo Pipelines Ltd retains the right to its property, including disconnected cables and recoverable materials.

Should you require further information, please do not hesitate to contact me on the below telephone number.

Kind regards,

Indigo Pipelines Ltd

Contact Us

Emergency and Supply issues

In an emergency call 0800 111 999, 24 hours a day.

Mapping Enquiries

If you have an enquiry relating to this letter or the attached map plan, please contact us using the following information:

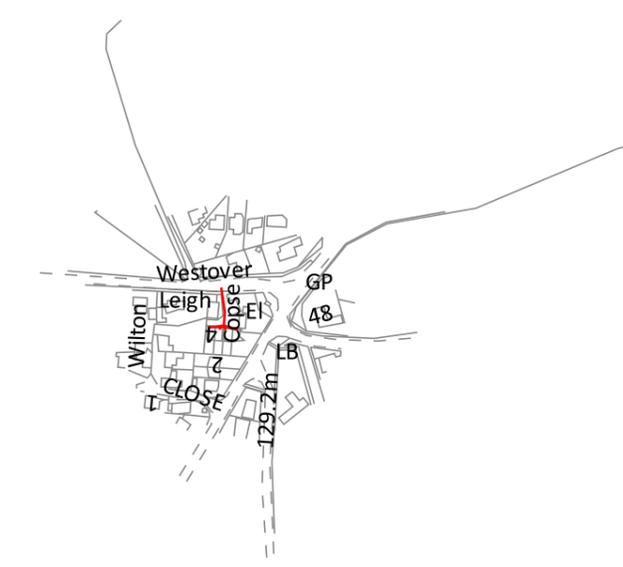
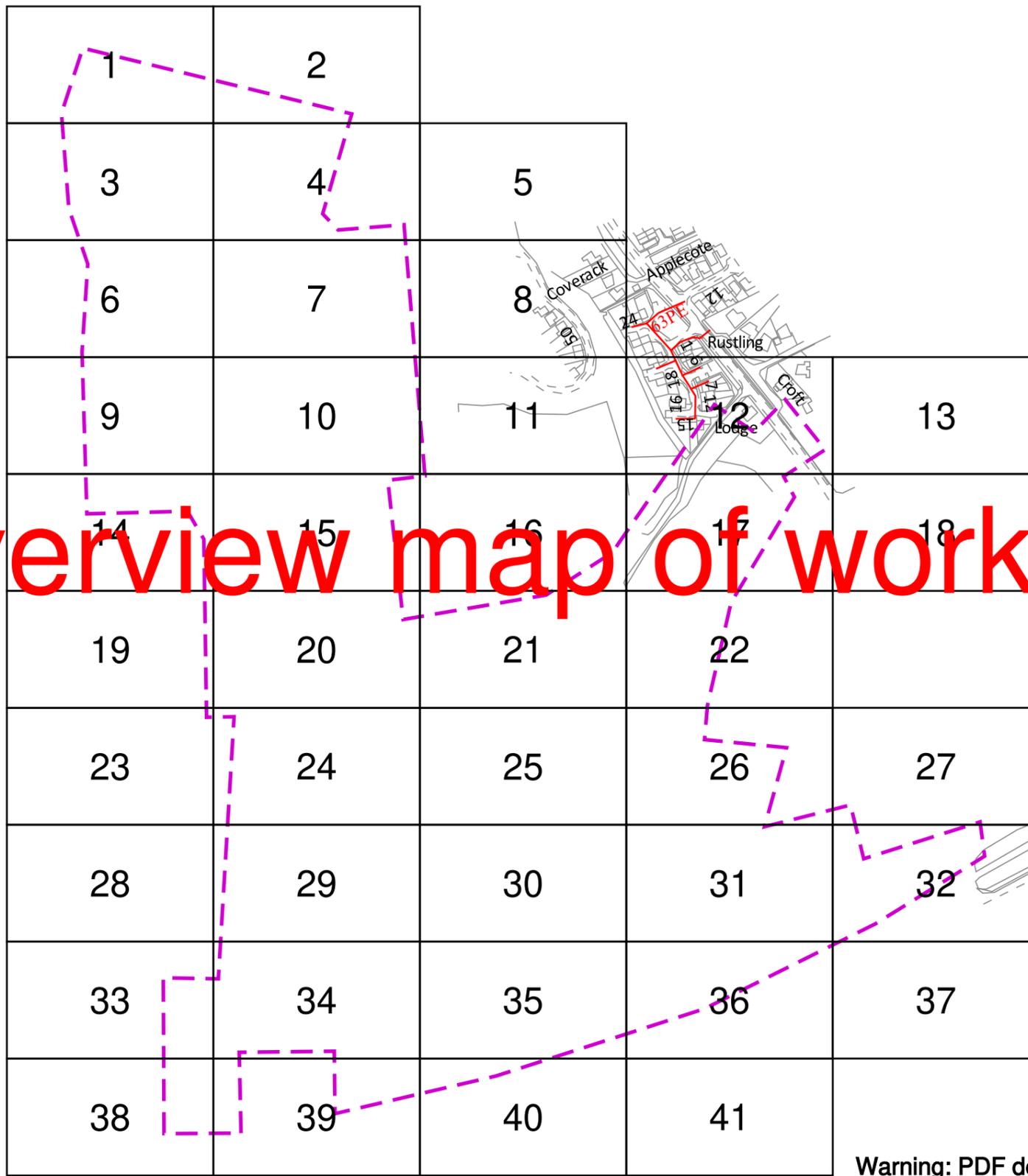
Telephone: 0345 070 7386.
Email: DBYDEnterpriseEnquiries@sse.com

LineSearchbeforeUdig

If you have an enquiry relating to the use of the LineSearchbeforeUdig website please contact LineSearchbeforeUdig using the following information:

Telephone: 0845 437 7365
Email: enquiries@linesearchbeforeudig.co.uk
Website: www.linesearchbeforeudig.co.uk

Overview map of worksite



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Dig Sites Area: Line:

Date Requested: 21/02/2024
 Job Reference: 32534883
 Site Location: 533548 137581
 Requested by:
 Miss Tara McCallion
 Your Scheme/Reference: Land west of Crawley Down

IMPORTANT NOTICES

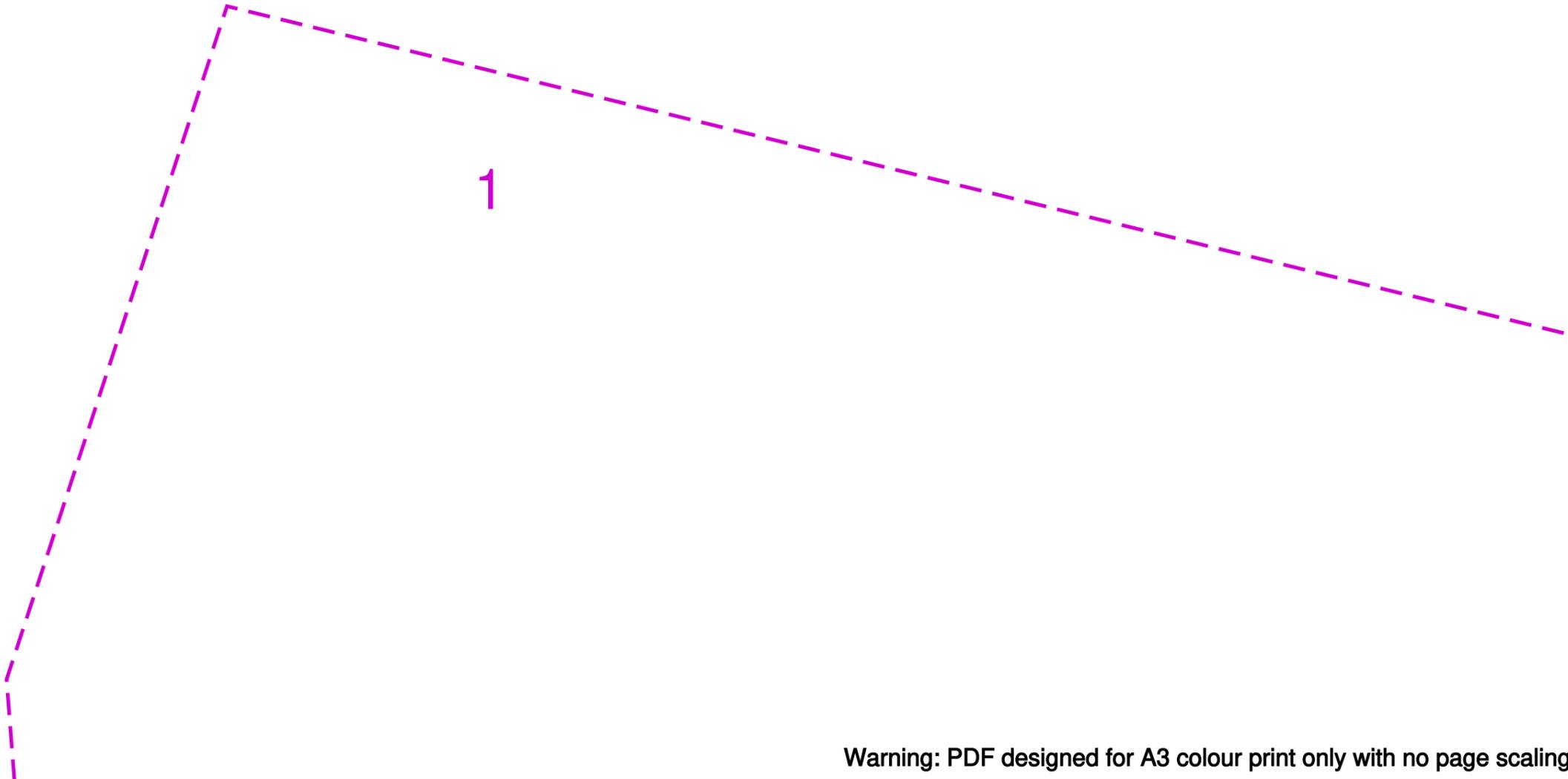
- This information is given as a guide only and its accuracy cannot be guaranteed
- The plan only shows pipes owned by SSE Utility Solutions Limited, Indigo Pipelines Limited
- Service pipes etc. may not be shown but their presence should be anticipated
- You must use safe digging practices in accordance with H5(G)47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the SSE Enterprise Dial Before You Dig team on 0345 070 7386.

Please note: If you have overlaps or misalignments between base maps that make it difficult to understand please contact DBYDEnterpriseEnquiries@sse.com or call 0345 070 7386

	LP Main		Valve Closed		Reducer
	LP Service		Valve Open		Ducting
	MP Main		CSEP		Gas Supply Point
	MP Service		Pressure Reduction Station		
	IP Main		End Closure		

Indigo Pipelines Ltd.
 Registered Office:
 Loddon Reach,
 Reading Road,
 Arborfield,
 Reading,
 Berkshire, RG2 9HU

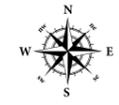
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Dig Sites Area: [dashed purple line] Line: [dashed purple line]



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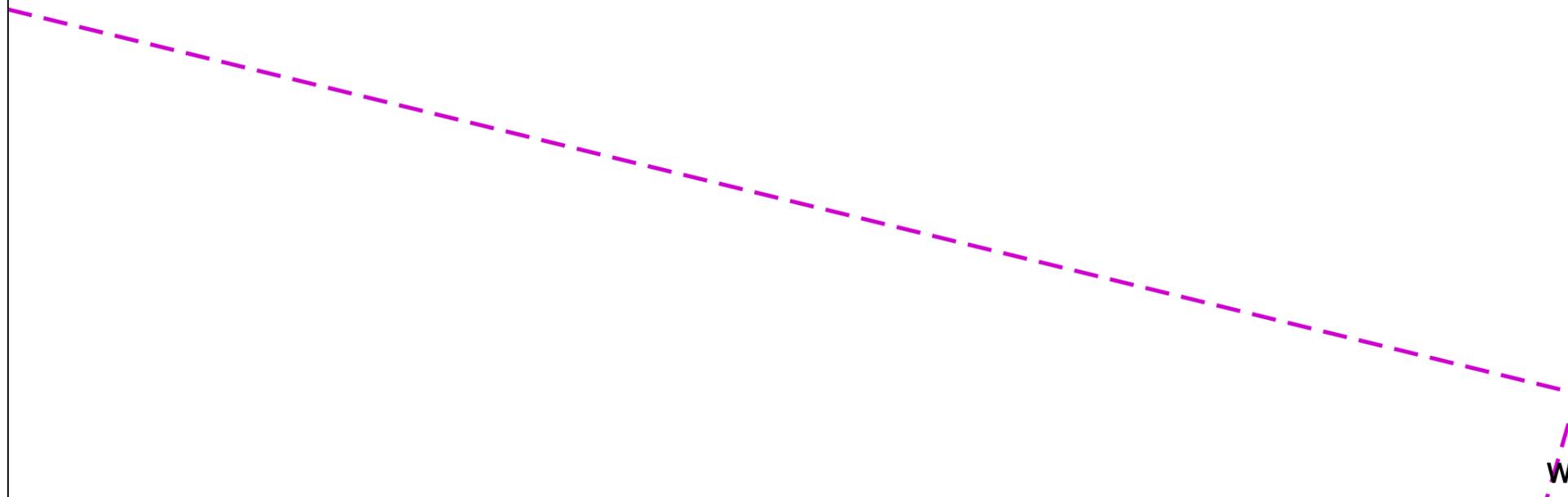
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Scale: 1:500 (When plotted at A3)

- | | | | | | |
|--|------------|--|----------------------------|--|------------------|
| | LP Main | | Valve Closed | | Reducer |
| | LP Service | | Valve Open | | Ducting |
| | MP Main | | CSEP | | Gas Supply Point |
| | MP Service | | Pressure Reduction Station | | |
| | IP Main | | End Closure | | |

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2



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Dig Sites Area: Line:



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Job Reference: 32534883
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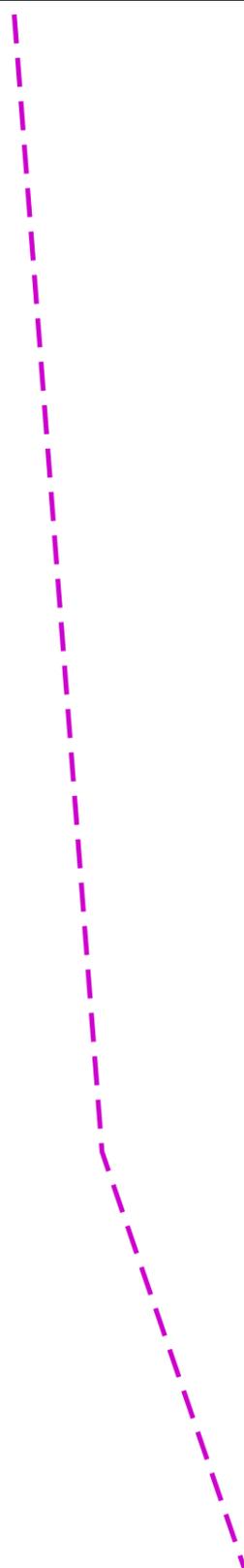
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- The plan only shows pipes owned by SSE Utility Solutions Limited, Indigo Pipelines Limited
- Service pipes etc. may not be shown but their presence should be anticipated
- You must use safe digging practices in accordance with H5(G)47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the SSE Enterprise Dial Before You Dig team on 0345 070 7386.

Please note: If you have overlaps or misalignments between base maps that make it difficult to understand please contact DBYDEnterpriseEnquiries@sse.com or call 0345 070 7386

Scale: 1:500 (When plotted at A3)

- | | | | | | |
|--|------------|--|----------------------------|--|------------------|
| | LP Main | | Valve Closed | | Reducer |
| | LP Service | | Valve Open | | Ducting |
| | MP Main | | CSEP | | Gas Supply Point |
| | MP Service | | Pressure Reduction Station | | |
| | IP Main | | End Closure | | |

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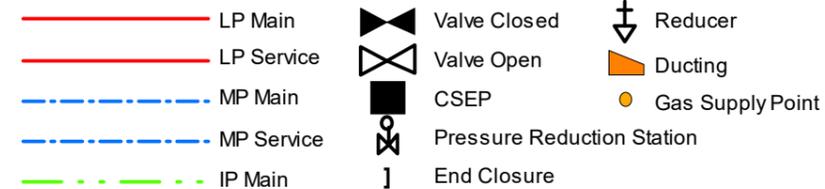
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- Service pipes etc. may not be shown but their presence should be anticipated
- You must use safe digging practices in accordance with H5(G)47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the SSE Enterprise Dial Before You Dig team on 0345 070 7386.

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4

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0 50m

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



Date Requested: 21/02/2024
Job Reference: 32534883
Site Location: 533548 137581
Requested by:
Miss Tara McCallion
Your Scheme/Reference: Land west of Crawley Down

Scale: 1:500 (When plotted at A3)

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- | | | | | | |
|--|------------|--|----------------------------|--|------------------|
| | LP Main | | Valve Closed | | Reducer |
| | LP Service | | Valve Open | | Ducting |
| | MP Main | | CSEP | | Gas Supply Point |
| | MP Service | | Pressure Reduction Station | | |
| | IP Main | | End Closure | | |

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0 50m

Dig Sites Area: [dashed purple box] Line: [dashed purple line]



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- LP Main
- LP Service
- - - MP Main
- - - MP Service
- . - . IP Main
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- ⊘ Valve Open
- CSEP
- ⊘ Pressure Reduction Station
- 1 End Closure
- ↓ Reducer
- ▽ Ducting
- Gas Supply Point

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6

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Dig Sites Area: [dashed purple box] Line: [dashed purple line]



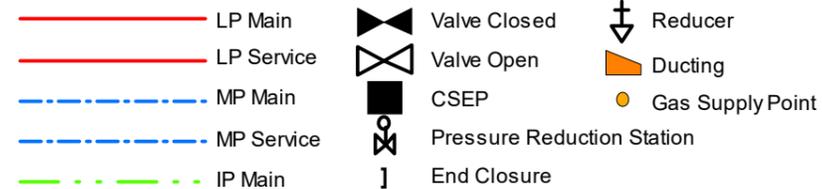
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7

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Dig Sites Area: [dashed purple box] Line: [dashed purple line]



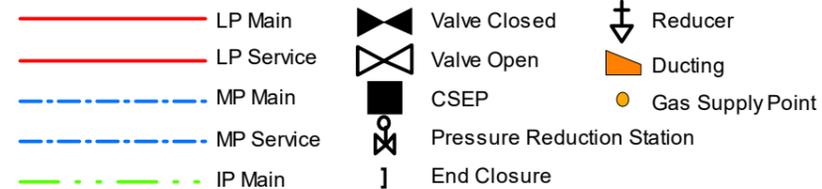
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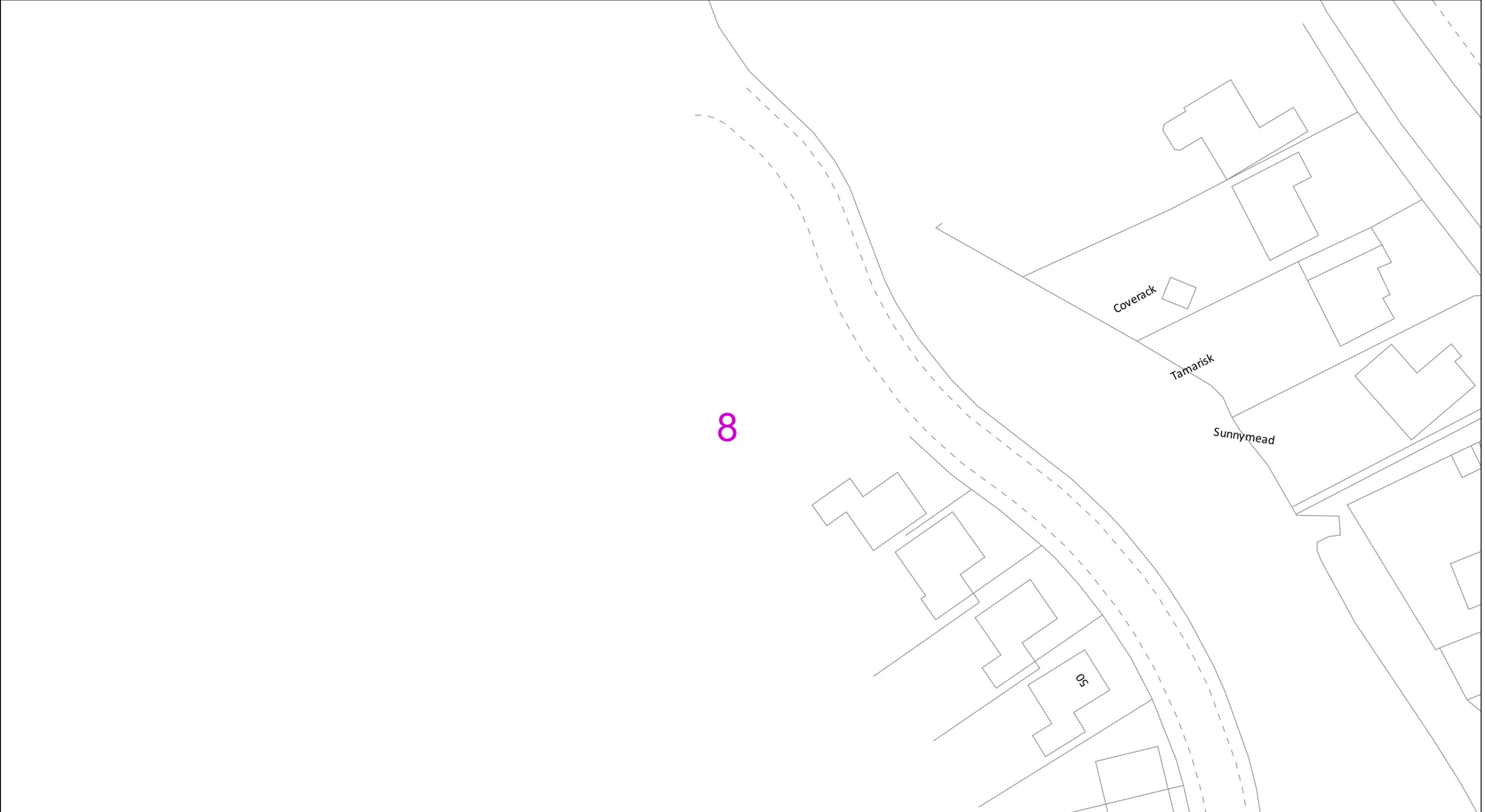
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	LP Main		Valve Closed		Reducer
	LP Service		Valve Open		Ducting
	MP Main		CSEP		Gas Supply Point
	MP Service		Pressure Reduction Station		
	IP Main		End Closure		

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9

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Dig Sites Area: [dashed purple box] Line: [dashed purple line]



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- - - MP Service
- . - . IP Main
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- ⊘ Valve Open
- CSEP
- ⊘ Pressure Reduction Station
- ⊔ End Closure
- ↓ Reducer
- ▭ Ducting
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10

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Dig Sites Area:  Line: 



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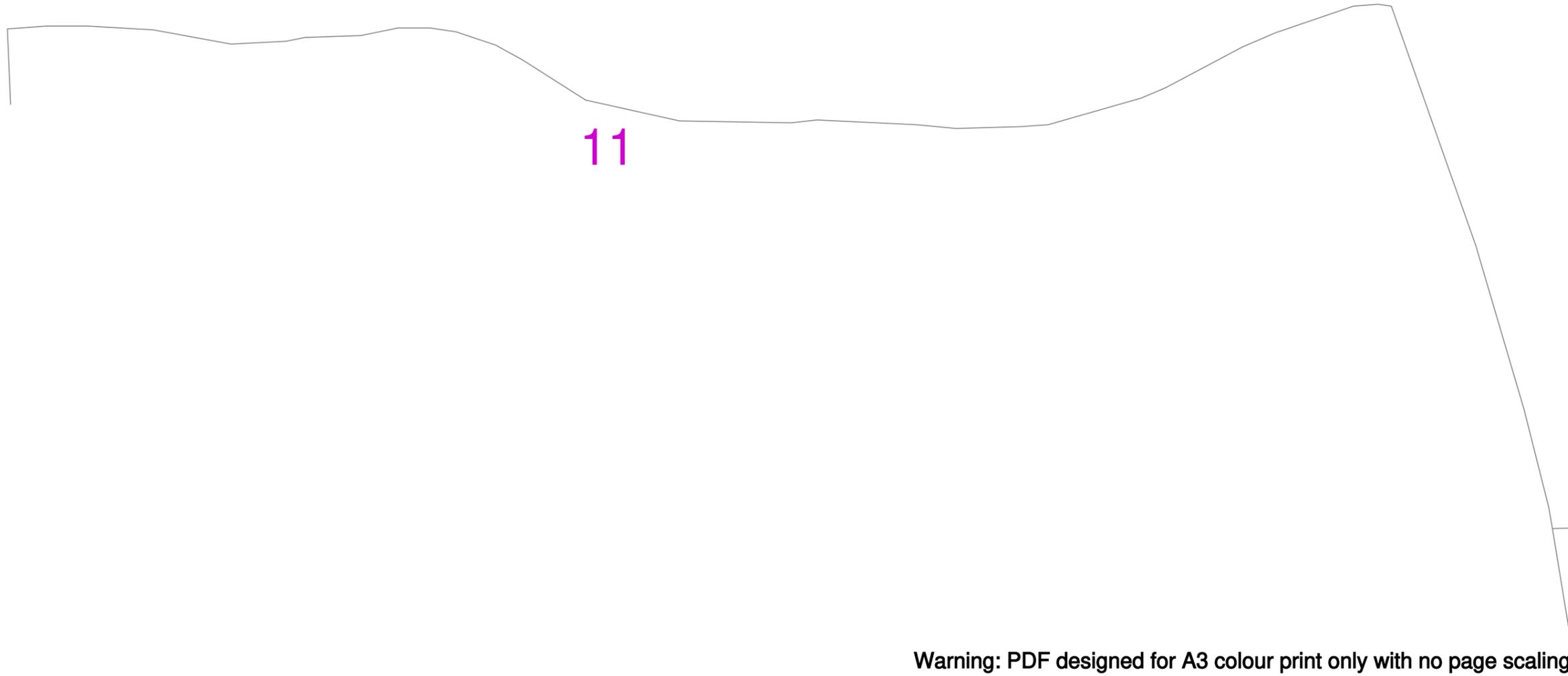
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|---|------------|---|----------------------------|---|------------------|
|  | LP Main |  | Valve Closed |  | Reducer |
|  | LP Service |  | Valve Open |  | Ducting |
|  | MP Main |  | CSEP |  | Gas Supply Point |
|  | MP Service |  | Pressure Reduction Station | | |
|  | IP Main |  | End Closure | | |

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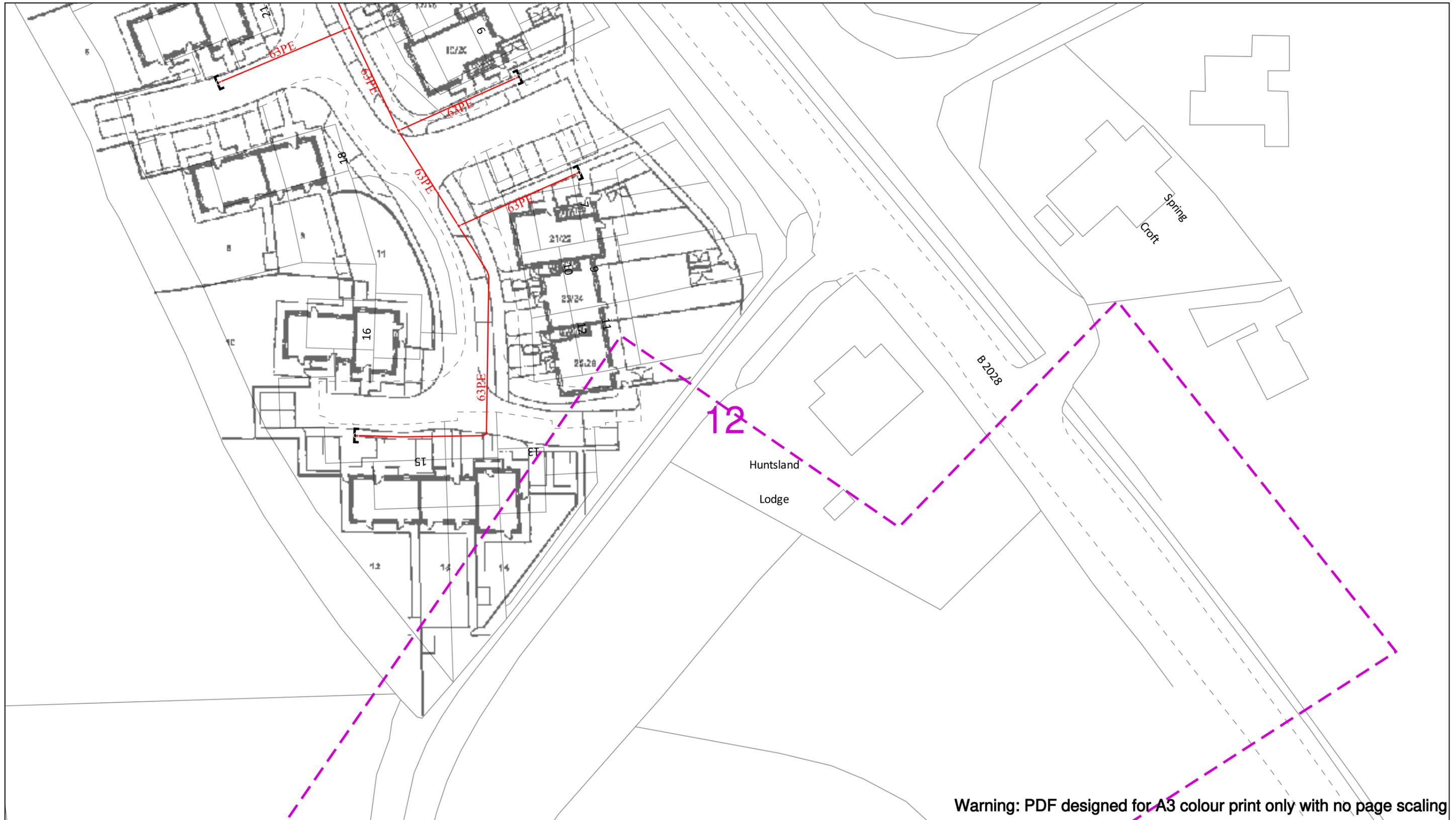
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- | | | | | | |
|--|------------|--|----------------------------|--|------------------|
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	LP Main		Valve Closed		Reducer
	LP Service		Valve Open		Ducting
	MP Main		CSEP		Gas Supply Point
	MP Service		Pressure Reduction Station		
	IP Main		End Closure		



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13

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Dig Sites Area:  Line: 



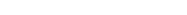
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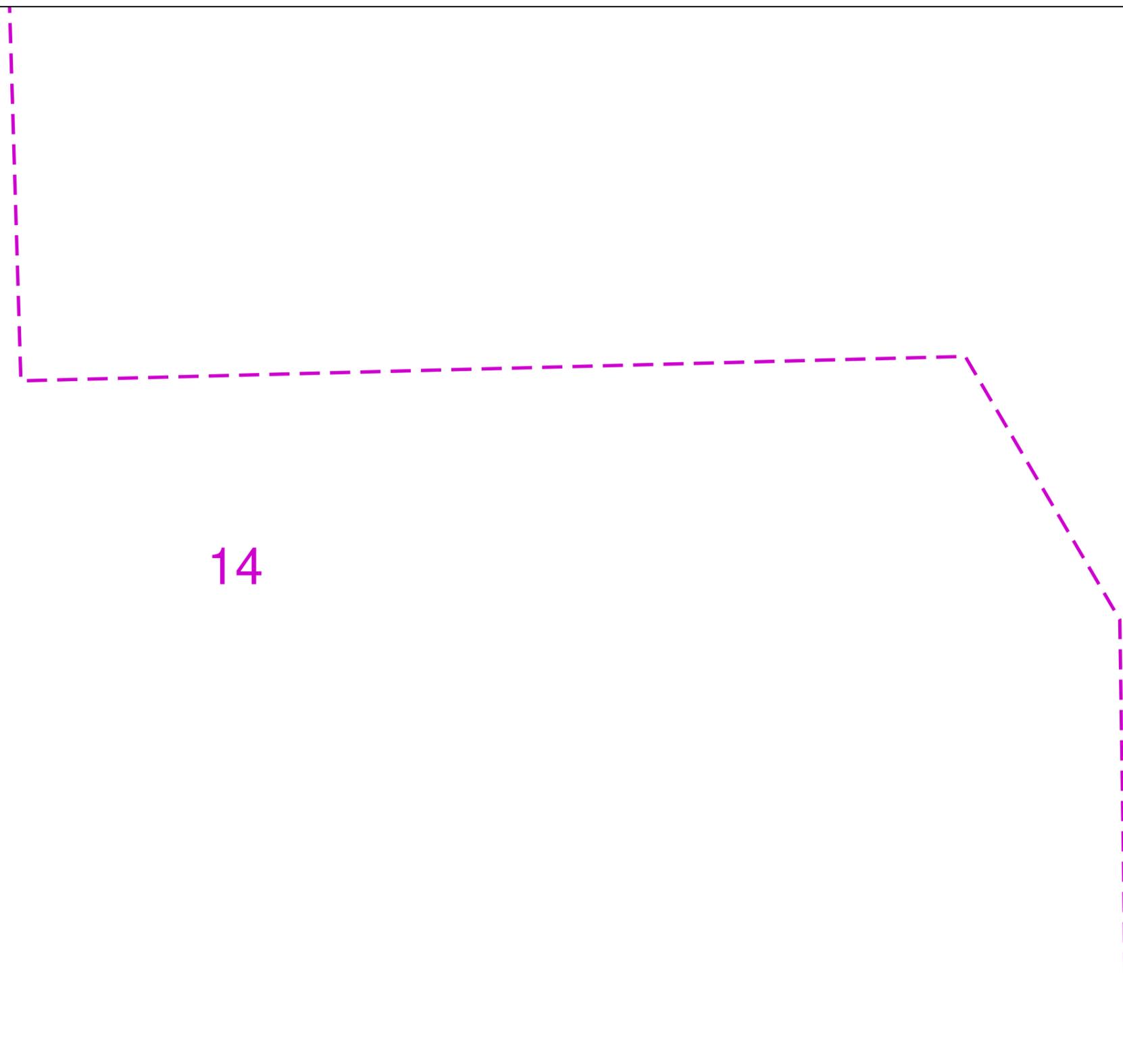
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- | | | | | | |
|---|------------|---|----------------------------|---|------------------|
|  | LP Main |  | Valve Closed |  | Reducer |
|  | LP Service |  | Valve Open |  | Ducting |
|  | MP Main |  | CSEP |  | Gas Supply Point |
|  | MP Service |  | Pressure Reduction Station | | |
|  | IP Main |  | End Closure | | |

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



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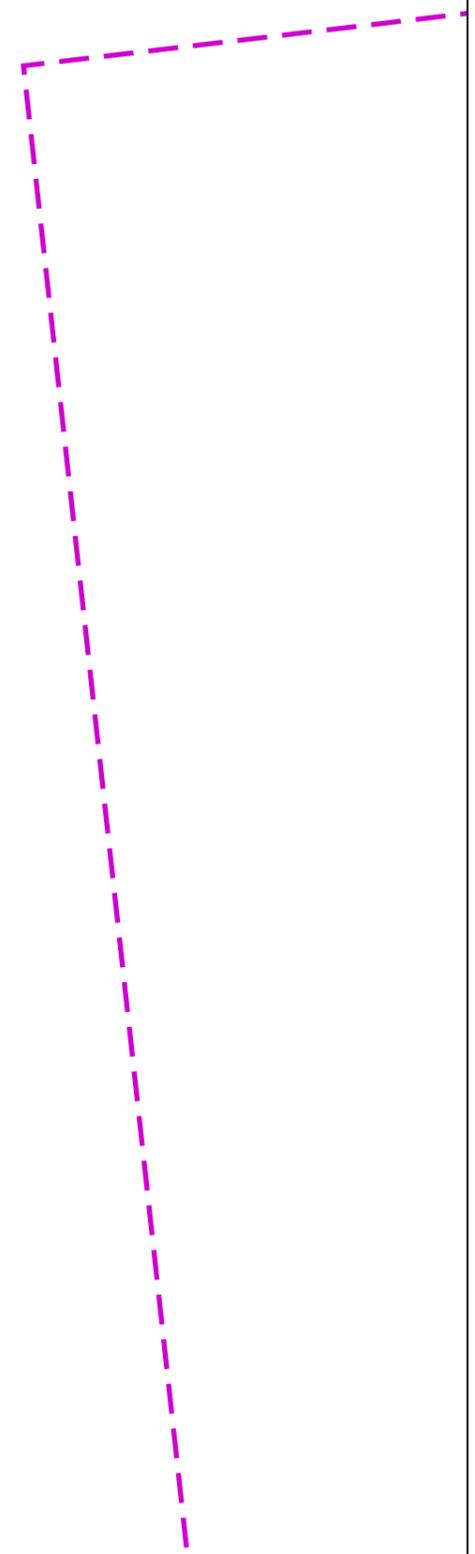
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	LP Service		Valve Open		Ducting
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	MP Service		Pressure Reduction Station		
	IP Main		End Closure		

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15



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Dig Sites Area: Line:



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- | | | | | | |
|--|------------|--|----------------------------|--|------------------|
| | LP Main | | Valve Closed | | Reducer |
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| | MP Main | | CSEP | | Gas Supply Point |
| | MP Service | | Pressure Reduction Station | | |
| | IP Main | | End Closure | | |

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Dig Sites Area: [dashed magenta box] Line: [dashed magenta line]



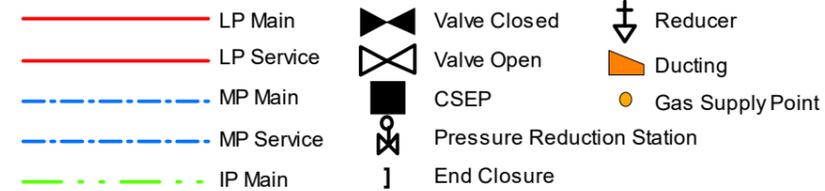
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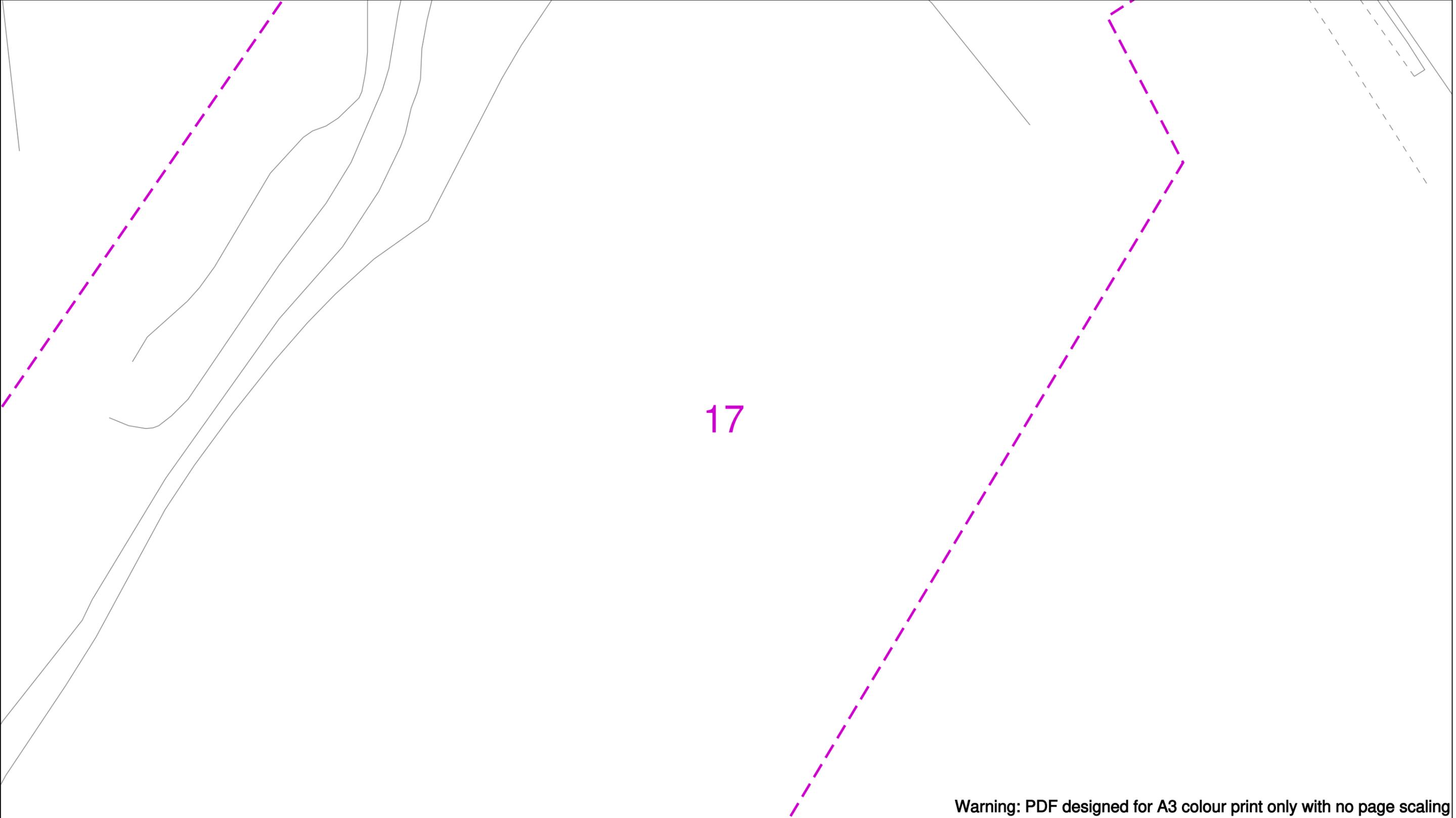
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	IP Main		End Closure		

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18

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Dig Sites Area: [dashed purple box] Line: [dashed purple line]



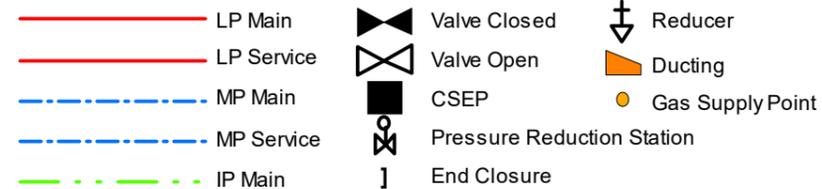
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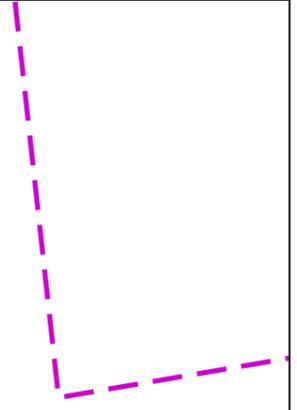
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|---|------------|---|----------------------------|---|------------------|
|  | LP Main |  | Valve Closed |  | Reducer |
|  | LP Service |  | Valve Open |  | Ducting |
|  | MP Main |  | CSEP |  | Gas Supply Point |
|  | MP Service |  | Pressure Reduction Station | | |
|  | IP Main |  | End Closure | | |

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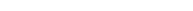
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|  | LP Main |  | Valve Closed |  | Reducer |
|  | LP Service |  | Valve Open |  | Ducting |
|  | MP Main |  | CSEP |  | Gas Supply Point |
|  | MP Service |  | Pressure Reduction Station | | |
|  | IP Main |  | End Closure | | |

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Dig Sites Area:  Line: 



Date Requested: 21/02/2024
Job Reference: 32534883
Site Location: 533548 137581
Requested by:
Miss Tara McCallion
Your Scheme/Reference: Land west
of Crawley Down

Scale: 1:500 (When plotted at A3)

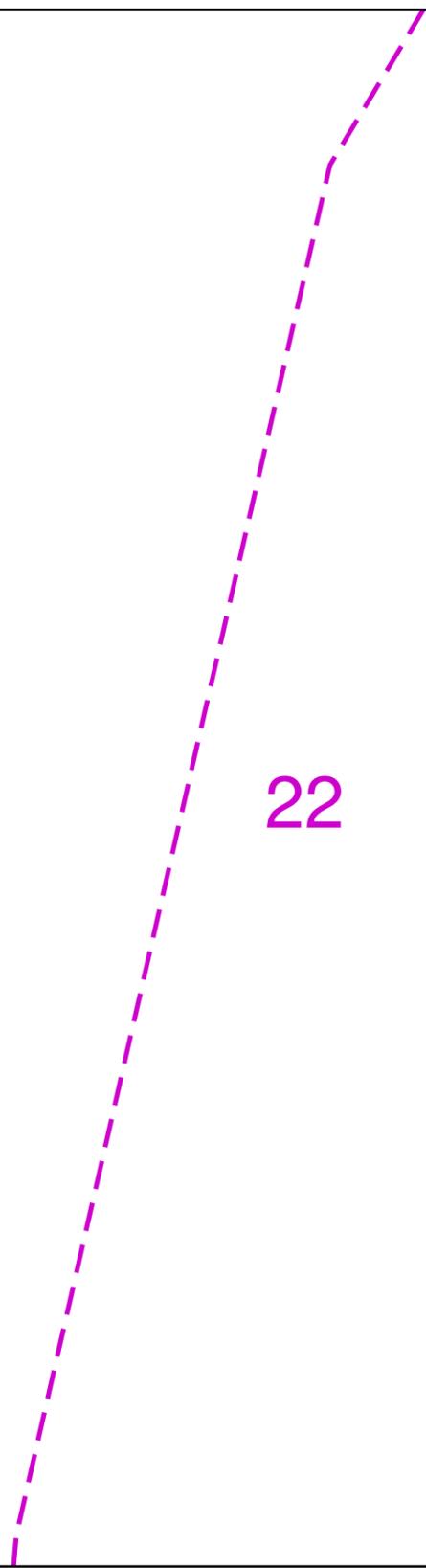
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|---|------------|---|----------------------------|---|------------------|
|  | LP Main |  | Valve Closed |  | Reducer |
|  | LP Service |  | Valve Open |  | Ducting |
|  | MP Main |  | CSEP |  | Gas Supply Point |
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Dig Sites Area: [dashed purple line] Line: [dashed purple line]



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| | LP Main | | Valve Closed | | Reducer |
| | LP Service | | Valve Open | | Ducting |
| | MP Main | | CSEP | | Gas Supply Point |
| | MP Service | | Pressure Reduction Station | | |
| | IP Main | | End Closure | | |

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Dig Sites Area:  Line: 



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|  | MP Main |  | CSEP |  | Gas Supply Point |
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|  | IP Main |  | End Closure | | |

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24

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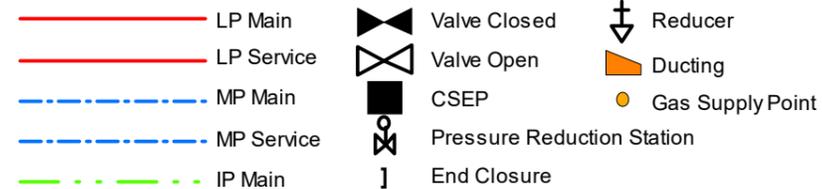
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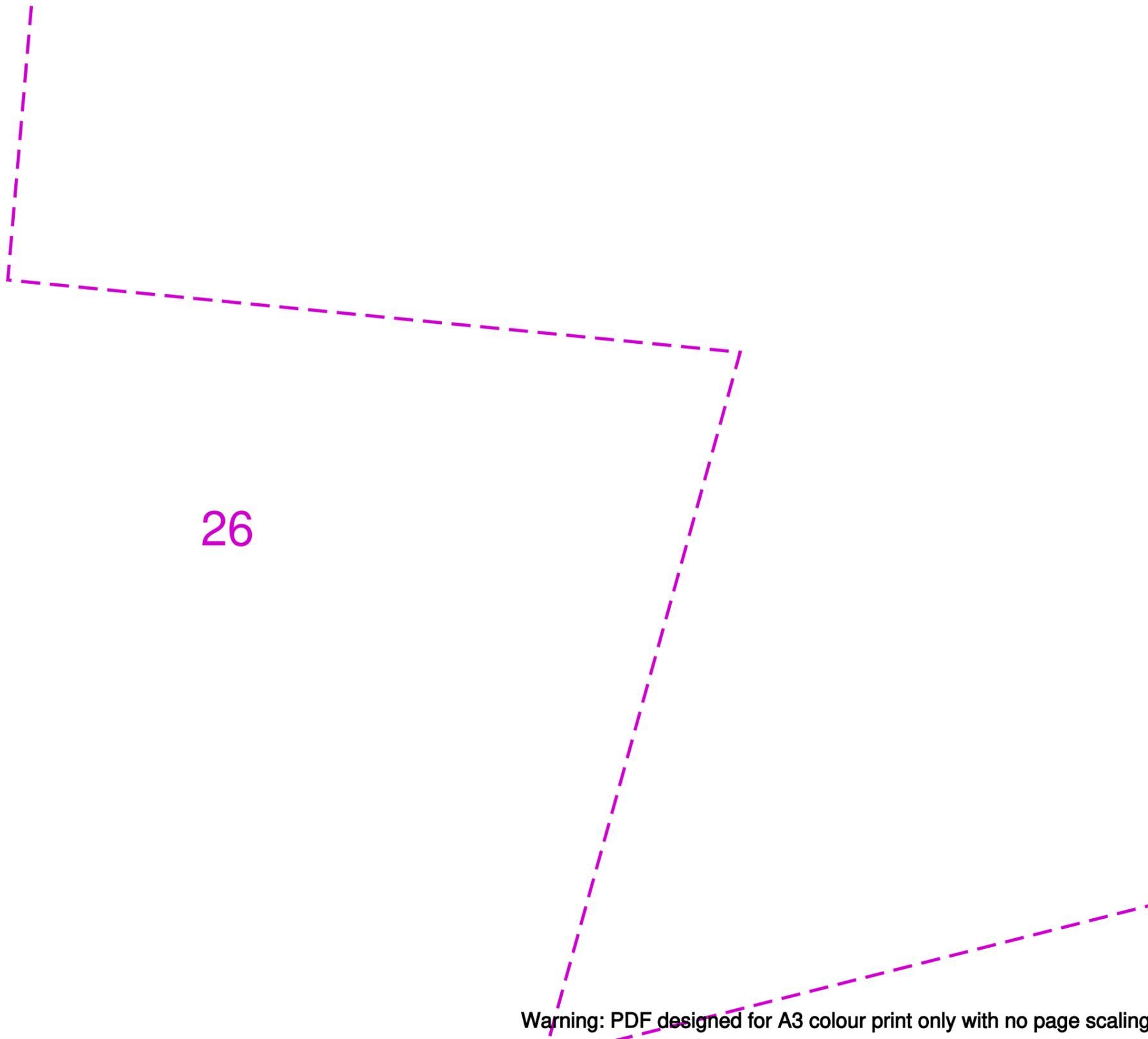
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|  | LP Main |  | Valve Closed |  | Reducer |
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| | IP Main | | End Closure | | |

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- LP Main
- LP Service
- - - MP Main
- - - MP Service
- . - . IP Main
- ⊘ Valve Closed
- ⊘ Valve Open
- CSEP
- ⊘ Pressure Reduction Station
- ⌋ End Closure
- ↓ Reducer
- ▭ Ducting
- Gas Supply Point

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



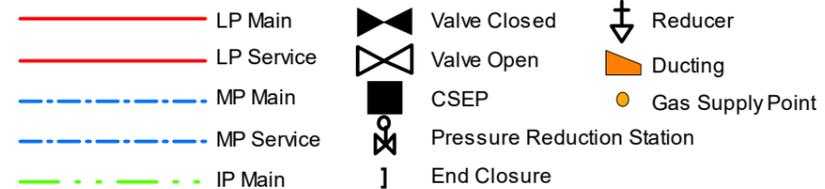
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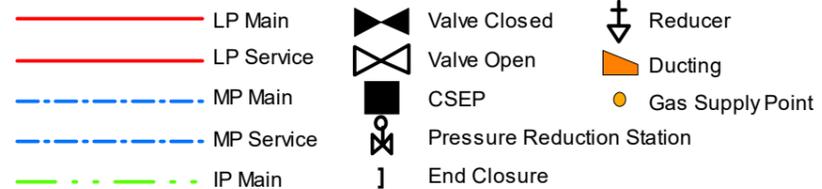
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Dig Sites Area:  Line: 



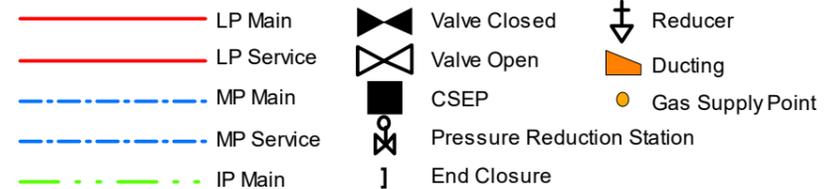
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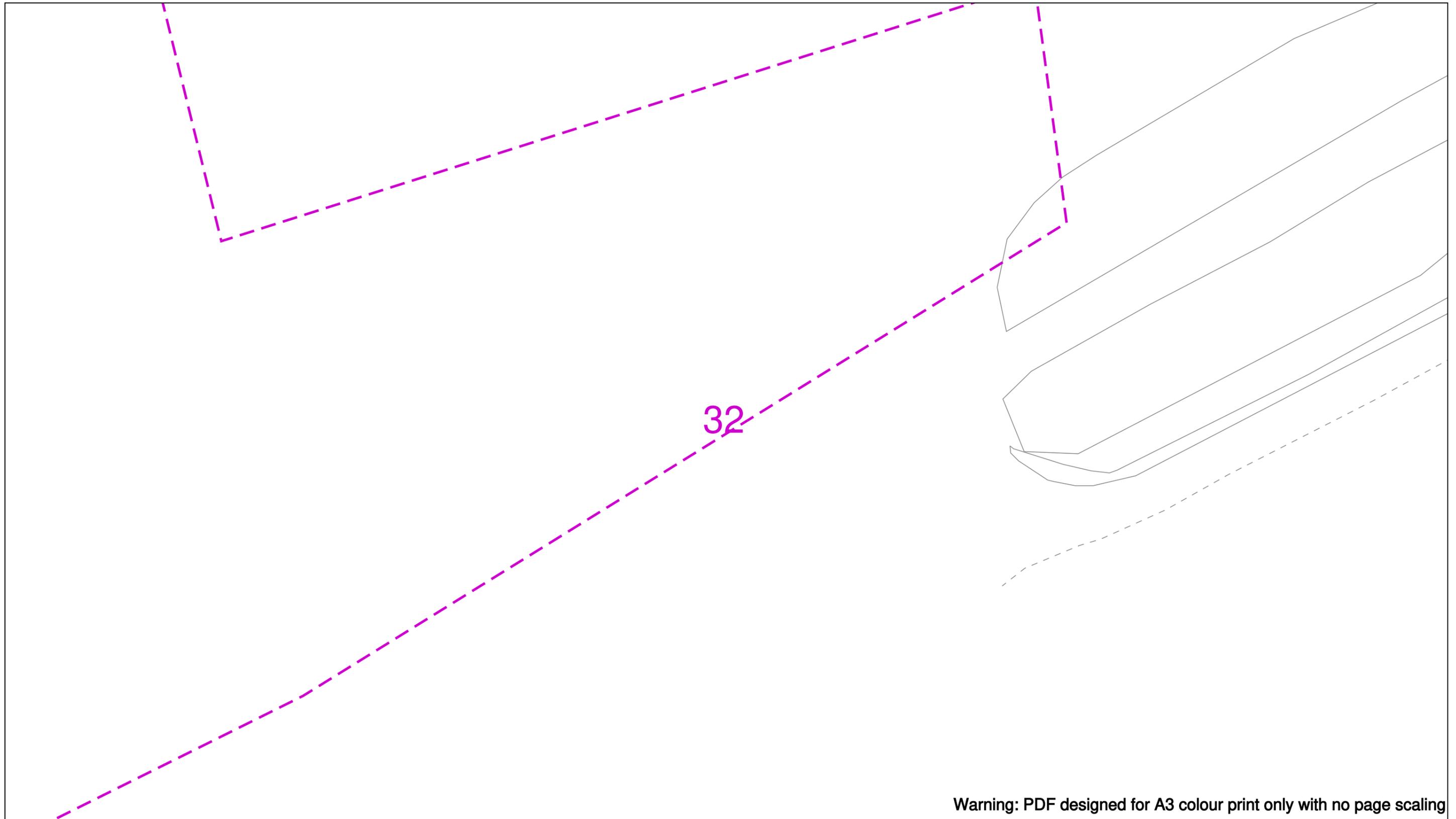
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|---|------------|---|----------------------------|---|------------------|
|  | LP Main |  | Valve Closed |  | Reducer |
|  | LP Service |  | Valve Open |  | Ducting |
|  | MP Main |  | CSEP |  | Gas Supply Point |
|  | MP Service |  | Pressure Reduction Station | | |
|  | IP Main |  | End Closure | | |

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<p>0 50m</p> <p>Dig Sites Area: Line: </p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"> LP Main</td> <td style="width: 33%;"> Valve Closed</td> <td style="width: 33%;"> Reducer</td> </tr> <tr> <td> LP Service</td> <td> Valve Open</td> <td> Ducting</td> </tr> <tr> <td> MP Main</td> <td> CSEP</td> <td> Gas Supply Point</td> </tr> <tr> <td> MP Service</td> <td> Pressure Reduction Station</td> <td></td> </tr> <tr> <td> IP Main</td> <td> End Closure</td> <td></td> </tr> </table>	LP Main	Valve Closed	Reducer	LP Service	Valve Open	Ducting	MP Main	CSEP	Gas Supply Point	MP Service	Pressure Reduction Station		IP Main	End Closure		<div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center; font-size: small;"> <p>Indigo Pipelines Ltd. Registered Office: Loddon Reach, Reading Road, Arborfield, Reading, Berkshire, RG2 9HU</p> </div>
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Dig Sites Area: Line:



Date Requested: 21/02/2024
Job Reference: 32534883
Site Location: 533548 137581
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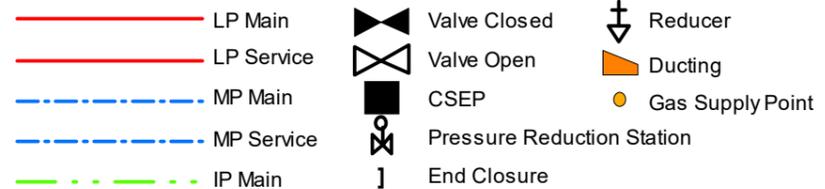
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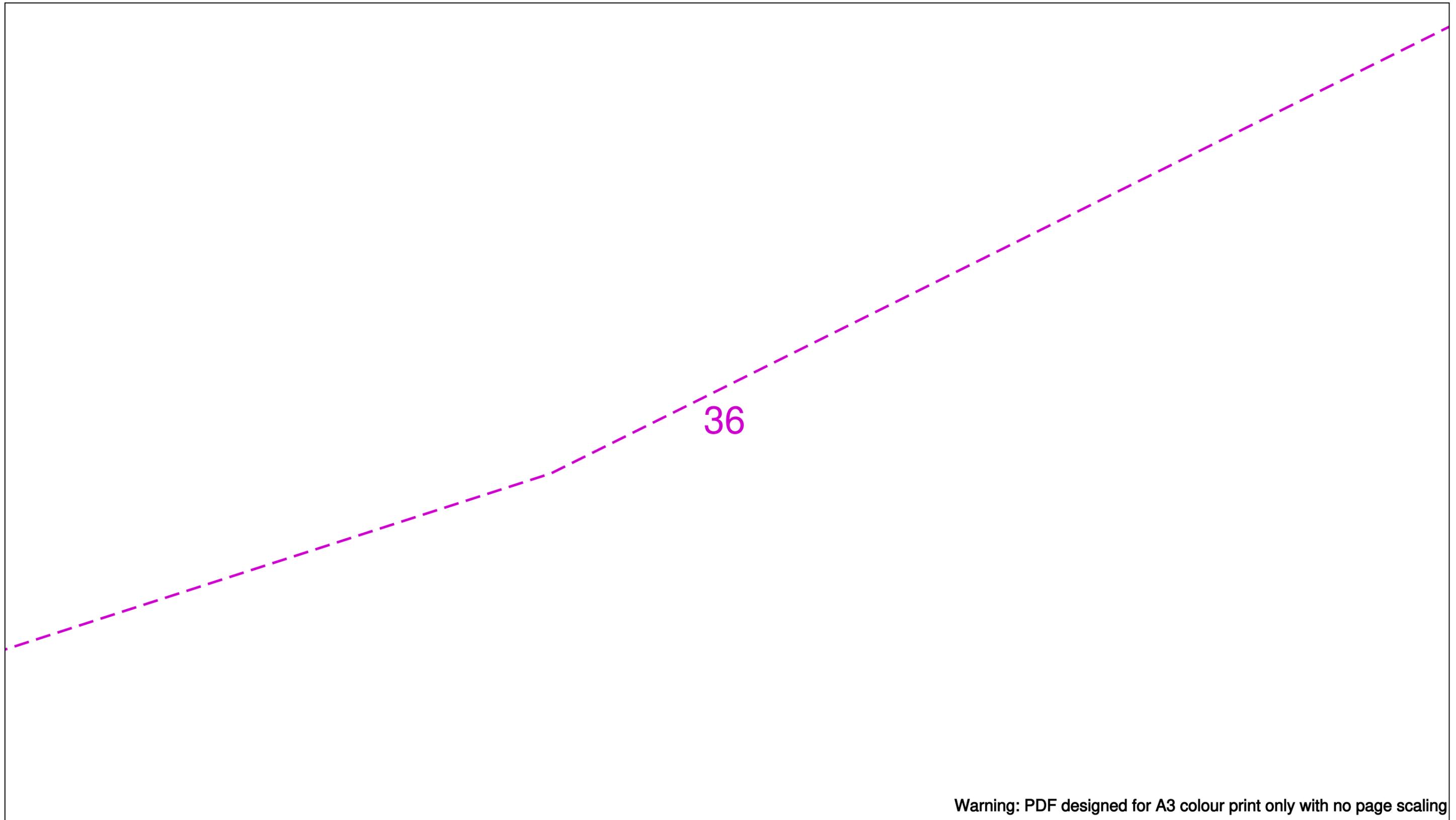
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MP Service	Pressure Reduction Station																
IP Main	End Closure																
<p>Date Requested: 21/02/2024 Job Reference: 32534883 Site Location: 533548 137581 Requested by: Miss Tara McCallion Your Scheme/Reference: Land west of Crawley Down</p>	<p>IMPORTANT NOTICES</p> <ul style="list-style-type: none"> This information is given as a guide only and its accuracy cannot be guaranteed The plan only shows pipes owned by SSE Utility Solutions Limited, Indigo Pipelines Limited Service pipes etc. may not be shown but their presence should be anticipated You must use safe digging practices in accordance with H5(G)47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used It is your responsibility to ensure this information is provided to all persons working near our plant If in doubt call the SSE Enterprise Dial Before You Dig team on 0345 070 7386. <p>Please note: If you have overlaps or misalignments between base maps that make it difficult to understand please contact DBYDEnterpriseEnquiries@sse.com or call 0345 070 7386</p>																
<p>Scale: 1:500 (When plotted at A3)</p>																	

37

Warning: PDF designed for A3 colour print only with no page scaling

0  50m

Dig Sites Area:  Line: 



Date Requested: 21/02/2024
Job Reference: 32534883
Site Location: 533548 137581
Requested by:
Miss Tara McCallion
Your Scheme/Reference: Land west
of Crawley Down

IMPORTANT NOTICES

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- You must use safe digging practices in accordance with H5(G)47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the SSE Enterprise Dial Before You Dig team on 0345 070 7386.

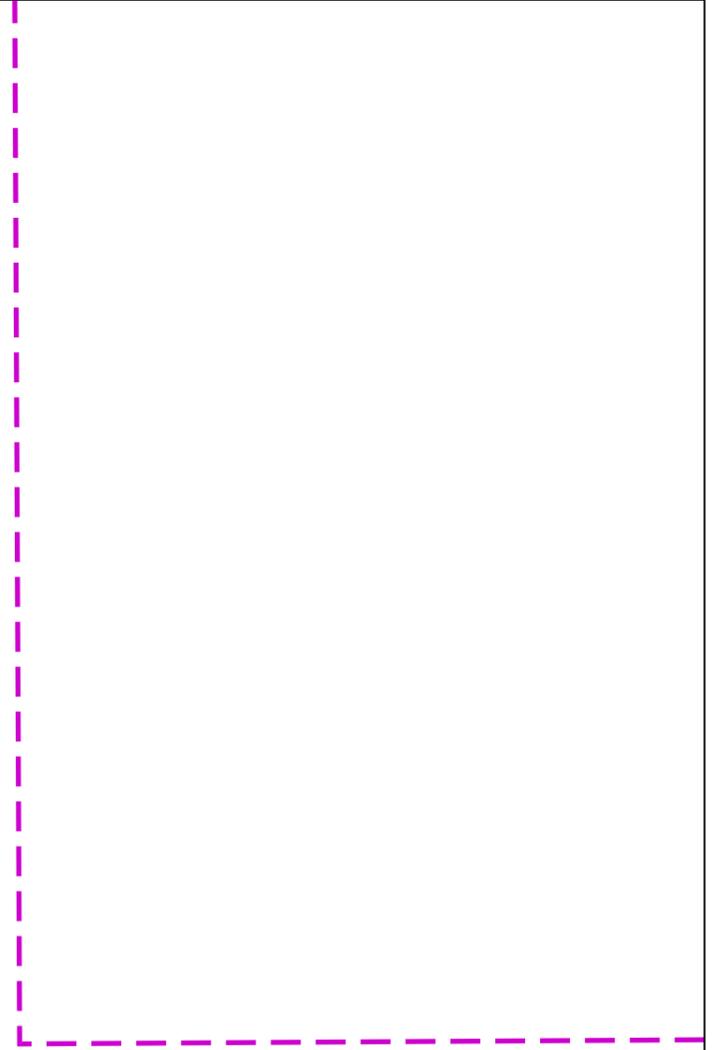
Please note: If you have overlaps or misalignments between base maps that make it difficult to understand please contact DBYDEnterpriseEnquiries@sse.com or call 0345 070 7386

Scale: 1:500 (When plotted at A3)

- | | | | | | |
|---|------------|---|----------------------------|---|------------------|
|  | LP Main |  | Valve Closed |  | Reducer |
|  | LP Service |  | Valve Open |  | Ducting |
|  | MP Main |  | CSEP |  | Gas Supply Point |
|  | MP Service |  | Pressure Reduction Station | | |
|  | IP Main |  | End Closure | | |

Indigo Pipelines Ltd.
Registered Office:
Loddon Reach,
Reading Road,
Arborfield,
Reading,
Berkshire, RG2 9HU

38



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0  50m

Dig Sites Area:  Line: 



Date Requested: 21/02/2024
Job Reference: 32534883
Site Location: 533548 137581
Requested by:
Miss Tara McCallion
Your Scheme/Reference: Land west
of Crawley Down

Scale: 1:500 (When plotted at A3)

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- | | | | | | |
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|  | LP Main |  | Valve Closed |  | Reducer |
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Reading,
Berkshire, RG2 9HU

39

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0 50m

Dig Sites Area: [dashed magenta box] Line: [dashed magenta line]



Date Requested: 21/02/2024
Job Reference: 32534883
Site Location: 533548 137581
Requested by:
Miss Tara McCallion
Your Scheme/Reference: Land west of Crawley Down

Scale: 1:500 (When plotted at A3)

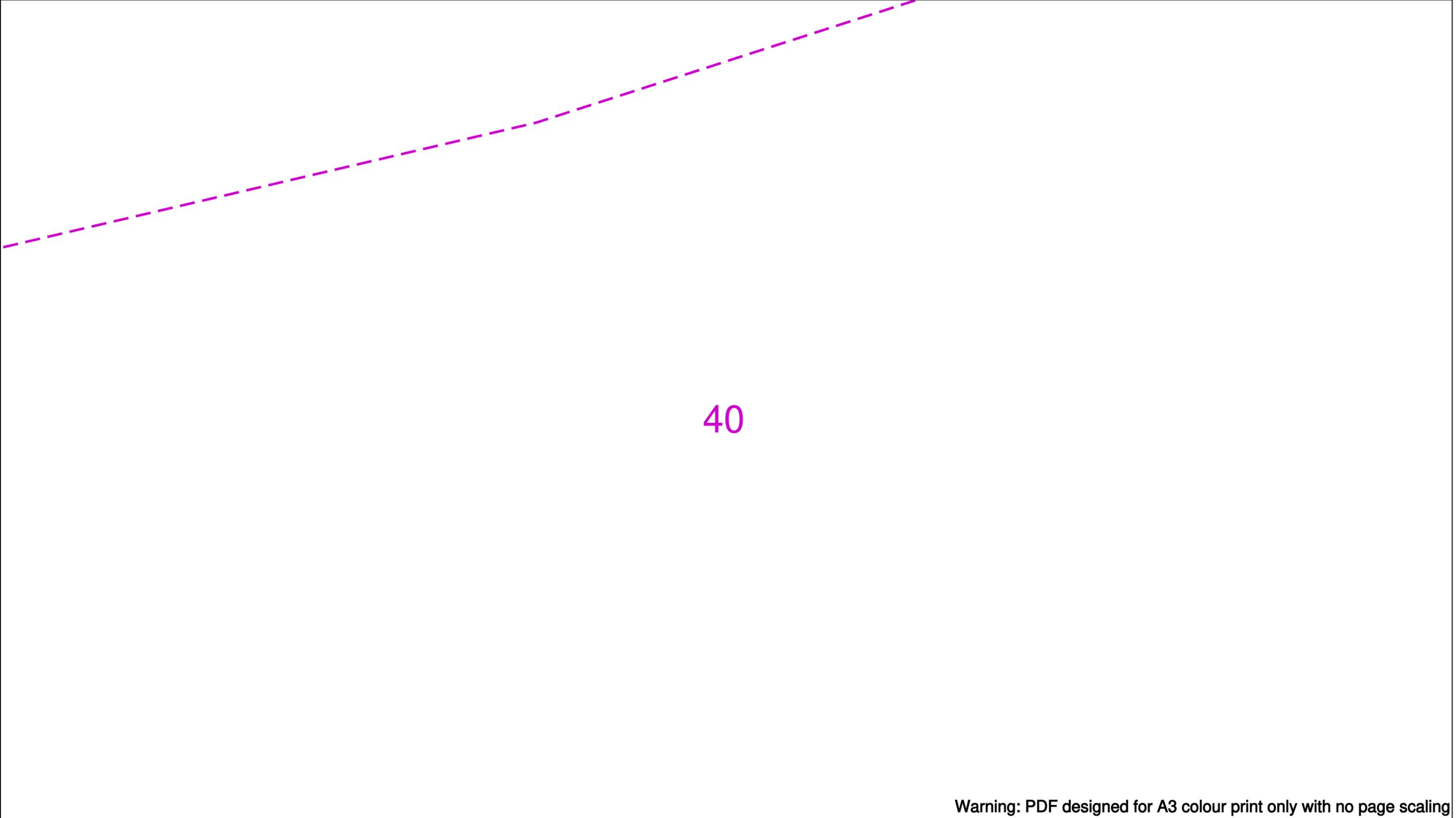
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- You must use safe digging practices in accordance with HS(G)47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
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- If in doubt call the SSE Enterprise Dial Before You Dig team on 0345 070 7386.

Please note: If you have overlaps or misalignments between base maps that make it difficult to understand please contact DBYDEnterpriseEnquiries@sse.com or call 0345 070 7386

- | | | | | | |
|--|------------|--|----------------------------|--|------------------|
| | LP Main | | Valve Closed | | Reducer |
| | LP Service | | Valve Open | | Ducting |
| | MP Main | | CSEP | | Gas Supply Point |
| | MP Service | | Pressure Reduction Station | | |
| | IP Main | | End Closure | | |

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Reading Road,
Arborfield,
Reading,
Berkshire, RG2 9HU



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Warning: PDF designed for A3 colour print only with no page scaling



Dig Sites Area: [dashed purple box] Line: [dashed purple line]



Date Requested: 21/02/2024
 Job Reference: 32534883
 Site Location: 533548 137581
 Requested by:
 Miss Tara McCallion
 Your Scheme/Reference: Land west
 of Crawley Down

IMPORTANT NOTICES

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Scale: 1:500 (When plotted at A3)

	LP Main		Valve Closed		Reducer
	LP Service		Valve Open		Ducting
	MP Main		CSEP		Gas Supply Point
	MP Service		Pressure Reduction Station		
	IP Main		End Closure		

Indigo Pipelines Ltd.
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 Loddon Reach,
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 Arborfield,
 Reading,
 Berkshire, RG2 9HU

41

Warning: PDF designed for A3 colour print only with no page scaling

0  50m

Dig Sites Area:  Line: 



Date Requested: 21/02/2024
Job Reference: 32534883
Site Location: 533548 137581
Requested by:
Miss Tara McCallion
Your Scheme/Reference: Land west
of Crawley Down

Scale: 1:500 (When plotted at A3)

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- | | | | | | |
|---|------------|---|----------------------------|---|------------------|
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|  | MP Main |  | CSEP |  | Gas Supply Point |
|  | MP Service |  | Pressure Reduction Station | | |
|  | IP Main |  | End Closure | | |

Indigo Pipelines Ltd.
Registered Office:
Loddon Reach,
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Arborfield,
Reading,
Berkshire, RG2 9HU

General Conditions to be observed for the Protection of Apparatus and the Prevention of Disruption to Gas Supplies

General conditions affecting the design, construction or maintenance of services and/or structures or other works in the vicinity of Indigo Pipelines' plant, pipelines and associated installations:

These general conditions apply only to the gas apparatus and pipes operated by Indigo Pipelines. It is possible that there may be other gas transporters with apparatus in the vicinity, therefore you should ensure that you have made enquiries of them and have complied with their requirements.

1. GRAPHIC REPRESENTATION OF GAS MAINS

Any plans supplied or marked up by Indigo will indicate the **APPROXIMATE** location of its apparatus. This information is provided as a general guide only; its accuracy cannot be guaranteed and is given without obligation or warranty. Service pipes are not shown but their presence should be anticipated. No liability whatsoever is accepted by Indigo Pipelines, its agents or servants for any error, omission, discrepancy or deviation. Plans on site should be current, i.e. no older than 28 days from the date of issue. Gas pipes owned by other Gas Transporters, or otherwise privately owned, may be present in this area; information with regard to such pipes should be obtained from the relevant owners.

Should you require assistance on site locating Indigo Pipelines' apparatus, please contact our Gas Asset Management team on 0345 072 1919.

2. METHODS OF WORKING

The following methods of work shall not normally be permitted within the limits of distance indicated (relative to the established pipe position). Any variances must have consent from Indigo Pipelines before works commence on site:

Mechanical Excavation	3m (1m for low pressure mains)	Hydraulic Testing	8 m
Piling / Pile removing / Boring	15m	Welding or other hot works*	15m
Directional Drill Operations	15m	Explosives	250m

* NOTE: Welding or other hot works involving naked flames shall be carried out at a safe distance to the satisfaction of an Indigo Pipelines Engineer. A check should be made prior to the commencement of works, to ensure a gas free atmosphere exists. It is also necessary to monitor the atmosphere at regular intervals for the duration of the works. In no case shall such activities take place in any Indigo Pipelines Utilities Easement without the written consent and in the presence of an Indigo representative.

Indigo Pipelines must be consulted prior to carrying out any excavation work within **10m** of any above or below ground gas installations or pipeline

In addition to the above methods of working, Indigo Pipelines must be contacted prior to any External Wall Installation (EWI) schemes, proposed solar farms and wind turbine installations.

No work shall be undertaken near, nor heavy plant or equipment moved over, any gas pipeline or apparatus until all of the conditions specified by Indigo Pipelines have been complied with.

Where Indigo Pipelines have apparatus in the vicinity of your work, any damage to it could have serious consequences. In view of this and in the interests of safety, a meeting should be arranged before the commencement of work on site between Indigo Pipeline representatives, representatives of the promoting authority, the contractors and any other interested parties. At this meeting the suggested programme of site works and plant safety should be discussed. It is essential that this meeting is convened well in advance of commencement on site. Access to Indigo plant and facilities for inspection by Indigo Pipelines staff must not be affected. Where formal consent has been given, **A MINIMUM OF SEVEN DAYS NOTICE IS REQUIRED** before carrying out work in Indigo Pipelines easements, or the appropriate notice under the New Roads & Street Works Act (NRSWA) where existing plant is situated within the public highway.

Further guidance can also be sought from the document **HS(G)47 – Avoiding Danger from Underground Services** from the HSE website.

3. PROXIMITY OF OTHER PLANT

A minimum clearance of **600 millimetres (mm)** should be allowed between all plant being installed and an existing gas main operating above 2 bar medium pressure (MP), whether the adjacent plant is parallel to or crossing the gas pipe. For mains operating at MP or below, this distance can be reduced to 300mm. **NO APPARATUS SHOULD BE LAID OVER AND ALONG THE LINE OF A GAS PIPE, IRRESPECTIVE OF CLEARANCE.**

No manhole or chamber shall be built over or around a gas pipe and no work should be carried out which results in a reduction of

cover or protection over a pipe without consultation with and the agreement of Indigo Pipelines staff.

4. PROTECTION

Where any works cross or run in close proximity to Indigo Pipelines apparatus, periodic visits must be made by an Indigo Pipelines engineer. Their requests for protection or support to the apparatus shall be immediately observed.

Suitably designed crossing points are to be constructed to the satisfaction of an Indigo Pipelines Engineer. These crossing points shall be clearly indicated by the erection of bunting and crossings at other places should be prevented.

Backfill material adjacent to Indigo Pipelines apparatus shall be soft fill or sand, containing no stones, bricks, or lumps of concrete etc., placed to a minimum 150mm around the mains and is to be well compacted by hand. No power consolidation shall take place above the main until 300mm of soft fill has been compacted by hand.

5. DAMAGE TO COATINGS

Where a gas pipe is coated with special wrapping and this is damaged, even to a minor extent, Indigo Pipelines must be notified so that repairs can be made to prevent future corrosion and subsequent leakage. **WHERE MINOR DAMAGE TO COATING IS REPORTED TO INDIGO PIPELINES PRIOR TO BACKFILL, THE NECESSARY REPAIR WILL BE MADE FREE OF CHARGE.**

6. CATHODIC PROTECTION

Where Indigo Pipelines apparatus is cathodically protected either by sacrificial anode or impressed current systems and where new apparatus is to be laid and is to be similarly protected, Indigo Pipelines will require to carry out interaction tests to determine whether its own system is adversely affected. The cost of any mutually agreed remedial action will be recharged to the authority installing the new apparatus. If any bond wires, test leads etc., used in connection with cathodic protection systems are damaged or found to be in poor condition, broken or disconnected, Indigo must be notified prior to backfilling so that a repair can be made.

7. HOT WORKS

Even when a gas free atmosphere exists care must be taken when carrying out hot works in close proximity to gas plant in order to ensure that no damage occurs. Particular care must be taken to avoid damage by heat or naked flames to plastic gas pipes or to the protective coatings on other pipes.

8. DEMOLITION

Live gas services must be disconnected **PRIOR** to demolishing any property, arrangements must be made for Indigo to check for the presence of any live gas services.

9. TREE PLANTING

Indigo must be contacted prior to all tree-planting works above or near our apparatus. Further information can then be made available.

10. DEEP EXCAVATIONS

Any work involving deep excavations (1.5m or more) will be subject to the "Model Consultative Procedure for Pipeline Construction involving Deep Excavations". This may require the diversion of Indigo Pipelines apparatus prior to the commencement of your works.

Detailed plans and cross sections will be required in order to determine the effect of these works on Indigo Pipelines apparatus.

11. RENEWABLE ENERGY INSTALLATIONS

Wind Turbines – Indigo Pipelines must be advised of any planned development of wind turbines in the vicinity of an above 2 bar gas pipelines to ensure the development does not impact on the future safe operation of the pipeline. Industry guidance states that any wind turbine must be sited no closer than 1.5 times the proposed height of the turbine mast away from the nearest edge of the pipeline.

Solar Farms – Indigo Pipelines must be contacted regarding planned solar farms being considered in the vicinity of Indigo gas pipelines.

EWI – Indigo must be contacted regarding any EWI scheme to ensure the scheme does not impact upon Indigo's apparatus.

12. LEAKAGE FROM GAS MAINS OR SERVICES

If damage or leakage is caused or an escape of gas is smelt or suspected the following action should be taken at once:

- Remove all personnel from the immediate vicinity of the escape.
- Inform the 24hr Gas Emergency Service on **0800 111 999**
- Prevent any approach by the public, prohibit smoking, and extinguish all naked flames or other sources of ignition for at least 15 metres from the leakage. Do not operate any electrical switches in the vicinity of the escape.
- Assist gas personnel, Police and/or Fire Services as requested.

IN THE EVENT OF A LEAK, OBSERVE THE ABOVE BUT DO NOT ATTEMPT TO SEAL THE LEAK



Utilities

REMEMBER – IF IN DOUBT; CONTACT 24HR GAS EMERGENCY LINE 0800 111 999

13. BUILDING PROXIMITIES

There are minimum proximity distances for buildings from Indigo Pipelines mains depending on both the operating pressure and the material of the main. Advice should be sought from Indigo prior to building works taking place to confirm these distances. For High Pressure pipelines you must seek further guidance from the HSE and Local Authority Planning team regarding their PADHI distances regarding building proximities as these may be in addition to Indigo Pipelines proximity distances for a pipeline.

Temporary buildings should not be placed above any gas pipe or within 3.0 metres of mains operating above 75mbar (medium, intermediate and high-pressure mains) during construction activities and in no circumstances should permanent structures be built over any pipe transporting gas.

14. SITE RESPONSIBILITIES

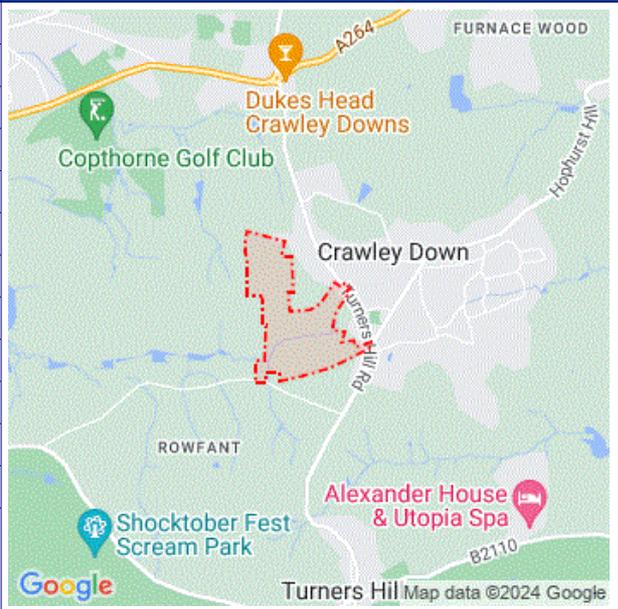
All costs incurred by Indigo for the repair of direct or consequential damage to gas plant will be rechargeable (with the exception of paragraph 5). Indigo reserves the right to divert any affected apparatus or alternatively specify suitable protection of its apparatus. If proved necessary during the course of site works, the cost of which will be chargeable.

The above requirements do not relieve you of the responsibility of taking all precautions necessary to safeguard the Company's plant and to avoid risk to persons and property. The persons for whom the works are being undertaken, their servants, agents and contractors shall indemnify Indigo's servants, agents and contractors against any loss, damage, expenses, claims and actions incurred or brought against Indigo Pipelines, its servants, agents and contractors in consequence of the provision of these works and activities associated therewith or ancillary thereto.

KEY TO MAPS

LP	Low Pressure	PE	Polyethylene
MP	Medium Pressure	ST	Steel
IP	Intermediate Pressure		

Enquirer			
Name	Miss Tara McCallion	Phone	01403740259
Company	Premier Energy	Mobile	Not Supplied
Address	Premier House Daux Road Billingshurst West Sussex RH14 9SJ		
Email	Tara.McCallion@premierenergy.co.uk		

Enquiry Details		Site Map
Enquiry type	Initial Enquiry	 <p>Please note that the above map only displays the location of the proposed work site and will not display any of the Members' pipes and cables. It is imperative that this area accurately reflects the proposed work site.</p>
Work category	Utility Works	
Work type	Multiple excavations site (1.5m or shallower)	
Work type buffer*	25 metres	
Start date	22/02/2024	
End date	22/02/2024	
Scheme/Reference	Land west of Crawley Down	
Search location	XY= 533672, 137511	
Confirmed location	533548 137581	
Site size	433472 metres square	
Site Contact Name	Not Supplied	
Site Phone No.	Not Supplied	
Description of Works		

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

Affected LSBUD members (LSBUD Members who have assets registered on LSBUD within the vicinity of your search area.)			
Asset Owner	Phone/Email	Emergency Only	Status
SGN	08009121722	0800111999	Await response
SSE Utility Solutions Limited	03450707386	Gas 0800111999 Enterprise Water and Electric 0345 078 3268	Await response
UK Power Networks	08000565866	08000565866	Await response

Status explanation

Await Response means that the asset owner will contact you. This is typically by sending the plan response but they may ask for further information before being able to do so, particularly if any payments or authorisations are required.

Email Additional Info means that the asset owner needs further information about your works to assess your enquiry before providing a response. Please provide any details you have available including plans, method statements etc. if available.

Tara McCallion

From: Gopalakrishnan, Roshni <Roshni.Gopalakrishnan@atkinsrealis.com>
Sent: 22 February 2024 13:32
To: Tara McCallion
Subject: RE: Plant Enquiry - Land west of Crawley Down

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(RG)
T: +44 (0)1454 662881
E: osm.enquiries@atkinglobal.com

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

ATKINS working on behalf of Vodafone: Fixed 

PLEASE NOTE:

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

IMPORTANT - PLEASE READ:

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. 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

At Atkins - member of the SNC-Lavalin Group, we work flexible hours around the world. Although I have sent this email at a time convenient for me, I don't expect you to respond until it works for you.

From: Tara McCallion <Tara.McCallion@premierenergy.co.uk>
Sent: Wednesday, February 21, 2024 3:23 PM
To: National Plant Enquiries <OSM.enquiries@atkinsrealis.com>
Subject: Plant Enquiry - Land west of Crawley Down

Dear Plant Enquiries,

Enquiry number: 202402210020

Transaction ID: 5HE14708FA7754634

Tara McCallion

From: Plantenquiries - CA Telecom <plantenquiries@catelecomuk.com>
Sent: 27 February 2024 09:26
To: Tara McCallion
Subject: RE: Plant Enquiry - Land west of Crawley Down

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.

This e-mail and any files transmitted with it are confidential and are intended solely for the use of the intended recipient(s). If you are not the intended recipient, you must not copy, distribute or take any action based on this communication. If you have received this communication in error please contact plantenquiries@catelecomuk.com and delete this communication and any copies of it. Any views or opinions presented are solely those of the author and do not necessarily represent those of C A Telecom LTD. C A Telecom LTD monitors e-mails to ensure that its systems operate effectively and to minimise the risk of viruses.

From: Tara McCallion <Tara.McCallion@premierenergy.co.uk>
Sent: 21 February 2024 09:40
To: Plantenquiries - CA Telecom <plantenquiries@catelecomuk.com>
Subject: Plant Enquiry - Land west of Crawley Down

Tara McCallion

From: NRSWA <nrswa.nrswa@sky.uk>
Sent: 22 February 2024 11:43
To: Tara McCallion
Subject: Plant Enquiry - Land west of Crawley Down



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.

Regards



NRSWA Department
Sky UK - Technology - Operations

 nrswa@sky.uk  +44 2070323234

From: Tara McCallion <Tara.McCallion@premierenergy.co.uk>
Sent: Wednesday, February 21, 2024 9:40 AM
To: NRSWA <nrswa.nrswa@sky.uk>
Subject: [EXTERNAL] Plant Enquiry - Land west of Crawley Down

Dear Plant Enquiries,

Please search the following location for your plant:

Wychwood Place, Hurst Farm, Worth, Crawley Down, Mid Sussex, West Sussex, RH10 4BE

[533672,137511]

Tara McCallion

From: Plantenquiries <Plantenquiries@ocugroup.com>
Sent: 29 February 2024 13:58
To: Tara McCallion
Subject: E02-24-7293 RE: Plant Enquiry - Land west of Crawley Down

Dear Sir or Madam,

Thank you for your plant enquiry below.

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

OCU 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.

Please note that our email address has changed from plantenquiries@instalcom.co.uk to plantenquiries@ocugroup.com. Could you please update your records accordingly.

Response times for plant requests are up to 10 working days. Please allow for 10 working days to pass before chasing requests unless they were urgent.

Regards

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

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



Plantenquiries | OCU Group | www.ocugroup.com
Email: Plantenquiries@ocugroup.com

Tara McCallion

From: UK OSP-Team . <osp-team@verizon.com>
Sent: 29 February 2024 14:10
To: Tara McCallion; UK OSP-Team
Subject: Re: Plant Enquiry - Land west of Crawley Down

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 (GGS) Email osp-team@uk.verizon.com

On Wed, 21 Feb 2024 at 09:39, Tara McCallion <Tara.McCallion@premierenergy.co.uk> wrote:

Dear Plant Enquiries,

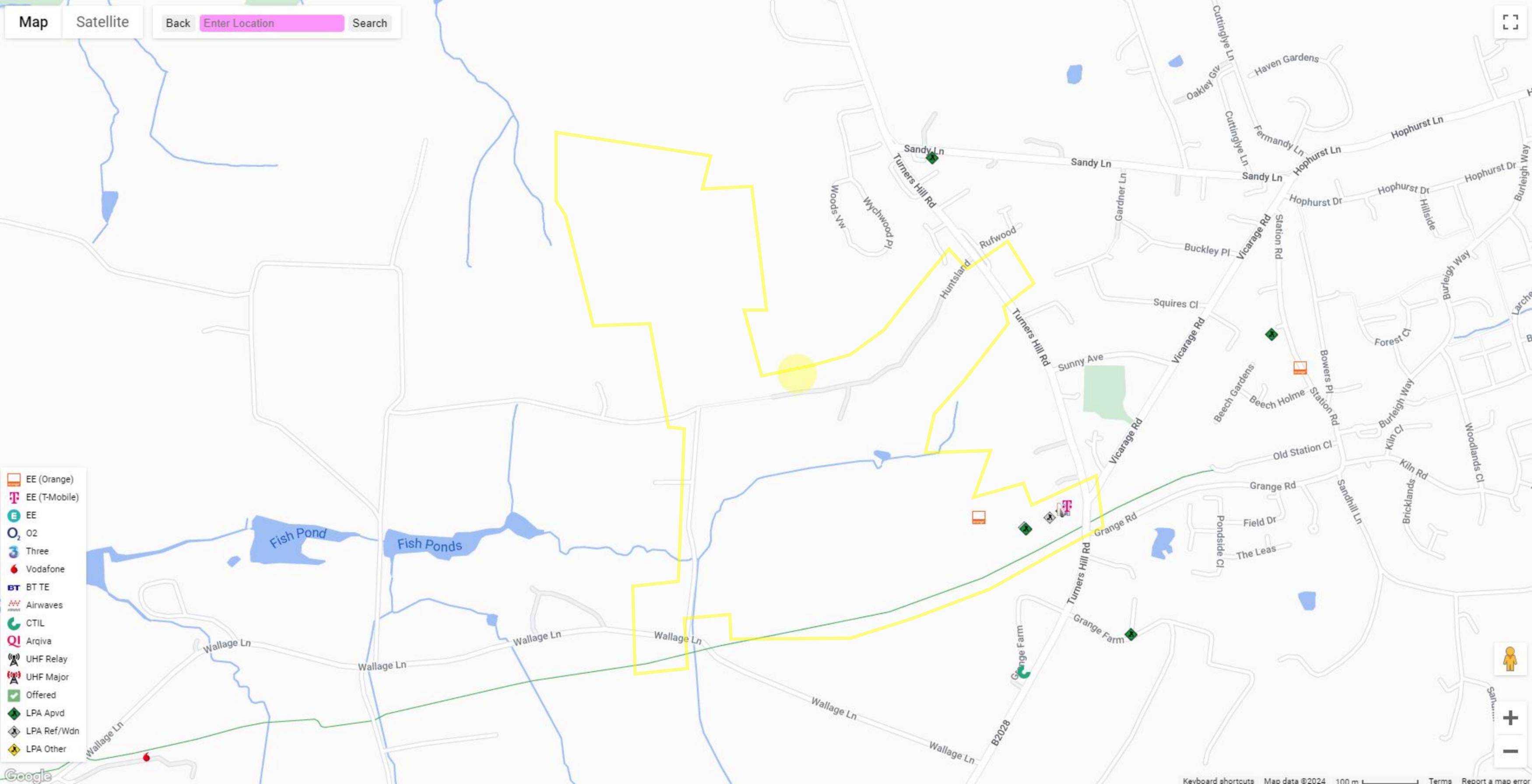
Please search the following location for your plant:

Wychwood Place, Hurst Farm, Worth, Crawley Down, Mid Sussex, West Sussex, RH10 4BE

[533672,137511]

A location plan (2 pages) showing the search area is attached. If you have plant within the search area or close to the boundary please provide record drawings, ideally by email attachment. Please provide your information as soon as possible.

- EE (Orange)
- EE (T-Mobile)
- EE
- O2
- Three
- Vodafone
- BT TE
- Airwaves
- CTIL
- Arqiva
- UHF Relay
- UHF Major
- Offered
- LPA Apvd
- LPA Ref/Wdn
- LPA Other



Location Search: Search

A subscription will be required to continue to use this licence. Please click here for details.

To view our new Radial LOS module, click on the "Line of Sight Map - Radial [BETA]" below

Label Mobile Mast WSS0181 - FIELD OFF TURNERS HILL ROAD - Address / Site Details [Edit Address - Users With Licence Only](#)

Data Type	Value
4.00 Description	Orange UMTS SECTOR
17.00 Ref	WSS0181
20.00 MOLO/JV	EE
23.00 Map View Site with masts	FIELD OFF TURNERS HILL ROAD, FIELD OFF TURNERS HILL ROAD, TURNERS HILL ROAD, CRAWLEY DOWN, CRAWLEY, WEST SUSSEX, East Grinstead, Sussex, RH10 4EZ
25.00 Site Share:	Single Site - 0
30.00 Data Source	Ofcom Sitefinder:Orange (See 20531)(20608)
31.10 Friis Radial Line of Sight [BETA]	Friis Line of Sight Map - Radial [BETA]
31.20 Single Radial Line of Sight [BETA]	Line of Sight Map - Radial [BETA]
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 56km2 (Batch 4070)
31.40 A>B Line of site	Line of site to 519 other masts (Batch 202)
31.50 Spatial:Unitary Region	Mid Sussex District
31.50 Spatial:Historic County	Sussex
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
32.00 Mcc/Mnc	234/30 Everyth. Ev.wh./T-Mobile
34.00 Site Status	Transmitting
41.00 Difference(m)	5.00628
42.10 Antenna	GSM SECTOR at 24m (1800 MHz 28.3/0 dBW)
42.10 Antenna	UMTS SECTOR at 24m (2100 MHz 28.3/65 dBW)
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Supplied By Operator)
47.10 East/North	534010/137280
47.20 Lat/Long	51.11/-0.08
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 0 Records
50.00 Planning Authority	Mid Sussex
52.00 Originating LPA	Mid Sussex District
53.00 AMSL/AGL	121m(AMSL) 24.00m(AGL) 145.00m(AMSL+AGL)
54.10 Population/UPRN Count	1708 residents within 1km

Update Site:



Map Ref Mtr **Nearest 3 Mobile Phone Masts (extended list with login)** Description A>B LoS
 Mast missing? [Click here to add sites](#)

Location Search: Search

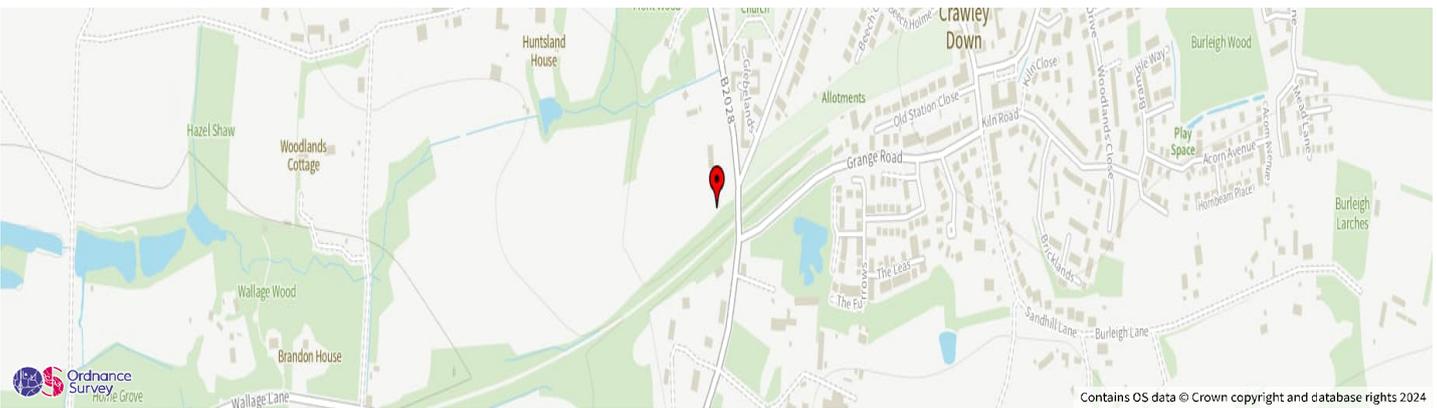
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To view our new Radial LOS module, click on the "Line of Sight Map - Radial [BETA]" below

Label Mobile Mast 91547 - LAND ADJOINING TURNERS HILL ROAD - Address / Site Details [Edit Address - Users With Licence Only](#)

Data Type	Value
4.00 Description	Provider:EE / Site Built
M 17.00 Ref	91547
20.00 MOLO/JV	MBNL
23.00 Map View Site with masts	LAND ADJOINING TURNERS HILL ROAD, LAND ADJOINING TURNERS HILL ROAD LAND ADJOINING TURNERS HILL ROAD CRAWLEY DOWN CRAWLEY WEST SUSSEX, RH10 4EX
25.00 Site Share:	Single Site - 0
30.00 Data Source	2014/15 Crawley (BC):Annual Network Update Plans 2014/15(20734)
31.10 Friis Radial Line of Sight [BETA]	Friis Line of Sight Map - Radial [BETA]
31.20 Single Radial Line of Sight [BETA]	Line of Sight Map - Radial [BETA]
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 56km2 (Batch 4037)
31.40 A>B Line of site	Line of site to 524 other masts (Batch 313)
31.50 Spatial:Unitary Region	Mid Sussex District
31.50 Spatial:Historic County	Sussex
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
34.00 Site Status	Transmitting
41.00 Difference(m)	1.22394
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Imported Data from Source (0-10m Accuracy))
47.10 East/North	534165/137300
47.20 Lat/Long	51.11/-0.08
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 0 Records
50.00 Planning Authority	Mid Sussex
51.00 Static LPA	Crawley
52.00 Originating LPA	Crawley (BC)
53.00 AMSL/AGL	131m(AMSL)
54.10 Population/UPRN Count	1981 residents within 1km

Update Site: **Feedback**



Map	Ref	Mtr	Nearest 3 Mobile Phone Masts (extended list with login)	Description	A>B	LoS
Map	RH0346	↑ 0	Three Site, East Grinstead, Sussex, RH104EZ	[Transmitting] Three UMTS Sectored		90.00000 76km2

Mast missing? [Click here to add sites](#) [Hide Message](#)

Location Search: Search

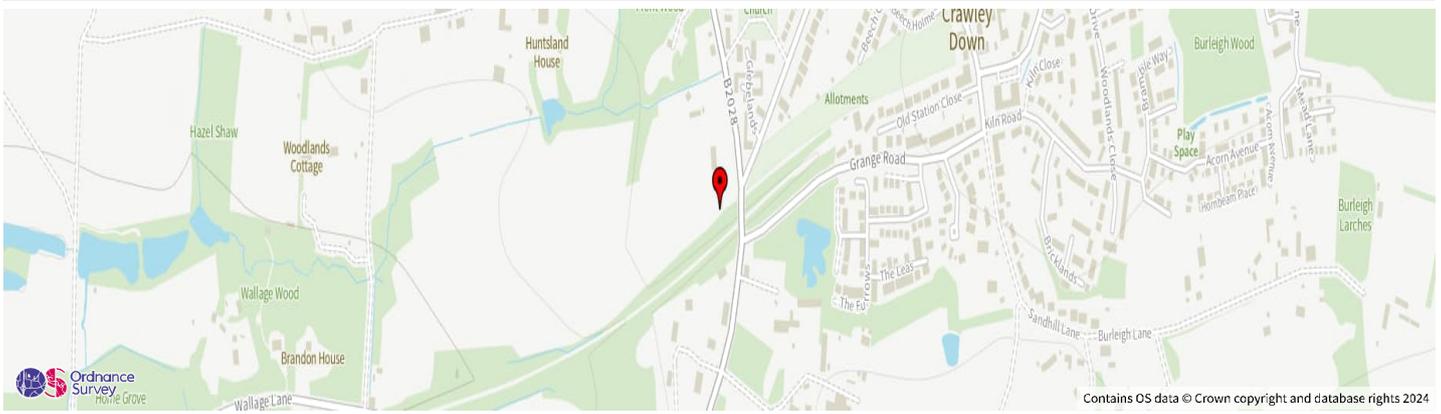
A subscription will be required to continue to use this licence. Please click here for details.

To view our new Radial LOS module, click on the "Line of Sight Map - Radial [BETA]" below

Label Mobile Mast RH0346 - Three Site - Address / Site Details [Edit Address - Users With Licence Only](#)

	Data Type	Value
4.00	Description	Three UMTS Sectored
3 17.00	Ref	RH0346
20.00	MOLO/JV	Three
23.00	Map View Site with masts	Three Site, East Grinstead, Sussex, RH104EZ
25.00	Site Share:	Single Site - 0
30.00	Data Source	Ofcom Sitefinder: Three (See 20531)(20609)
31.10	Friis Radial Line of Sight [BETA]	Friis Line of Sight Map - Radial [BETA]
31.20	Single Radial Line of Sight [BETA]	Line of Sight Map - Radial [BETA]
31.30	1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 76km2 (Batch 4064)
31.40	A>B Line of site	Line of site to 572 other masts (Batch 179)
31.50	Spatial:Unitary Region	Mid Sussex District
31.50	Spatial:Historic County	Sussex
31.60	Android Signal Survey	Mobile Signal Strength In East Grinstead
31.70	Best Network Operator	BNO Map from Survey Data [BETA]
32.00	Mcc/Mnc	234/20 H3G Hutchinson
34.00	Site Status	Transmitting
41.00	Difference(m)	1.22394
42.10	Antenna	UMTS Sectored at 43.5m (2100 MHz 17.8/65 dBW)
42.30	Antenna	UMTS Antenna
46.00	Location	Good Accuracy (Supplied By Operator)
47.10	East/North	534165/137300
47.20	Lat/Long	51.11/-0.08
48.10	View On Google Map	Open Google Map In New Tab
48.20	View On Google Streetview	Open Google Streetview In New Tab
49.00	Map Corrections	Reposition History: 0 Records
50.00	Planning Authority	Mid Sussex
53.00	AMSL/AGL	131m(AMSL) 43.50m(AGL) 174.50m(AMSL+AGL)
54.10	Population/UPRN Count	1981 residents within 1km

Update Site:



Map	Ref	Mtr	Nearest 3 Mobile Phone Masts (extended list with login)	Description	A>B	LoS
Map	M91547	↑ 0	LAND ADJOINING TURNERS HILL ROAD, LAND ADJOINING TURNERS HILL ROAD LAND ADJOINING TURNERS HILL ROAD CRAWLEY DOWN CRAWLEY WEST SUSSEX, RH10 4EX	[Transmitting] Provider:EE / Site Built	90.00000	56km ²
Map	M91547	↑ 0	LAND ADJOINING TURNERS HILL ROAD, LAND ADJOINING TURNERS HILL ROAD LAND	[Transmitting]	90.00000	56km ²

Mast missing? [Click here](#) to add sites [Hide Message](#)

Location Search: Search

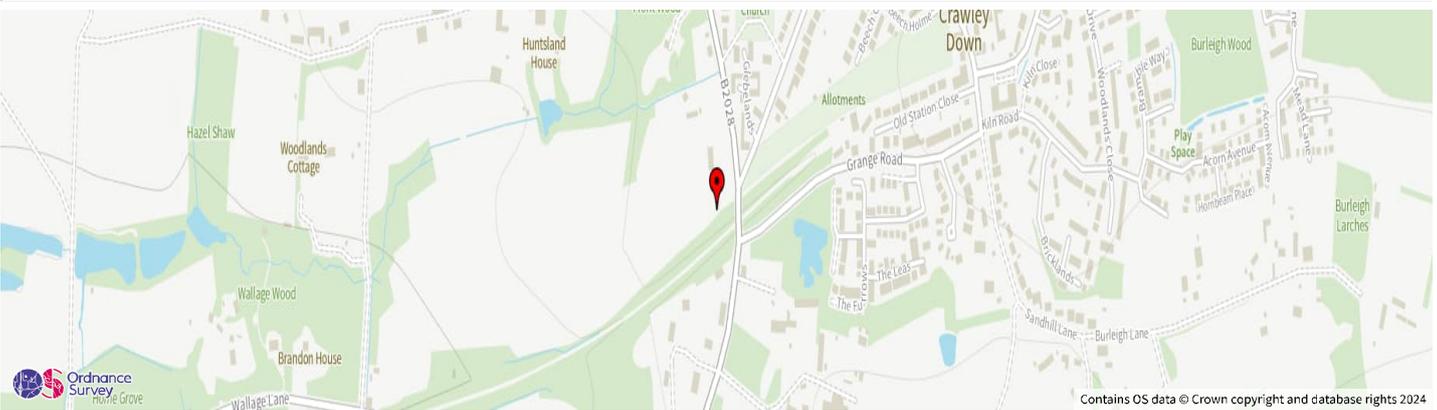
A subscription will be required to continue to use this licence. Please click here for details.

To view our new Radial LOS module, click on the "Line of Sight Map - Radial [BETA]" below

Label Mobile Mast 91547 - LAND ADJOINING TURNERS HILL ROAD - Address / Site Details [Edit Address - Users With Licence Only](#)

Data Type	Value
4.00 Description	Provider:Three / Site Built
M 17.00 Ref	91547
20.00 MOLO/JV	MBNL
23.00 Map View Site with masts	LAND ADJOINING TURNERS HILL ROAD, LAND ADJOINING TURNERS HILL ROAD LAND ADJOINING TURNERS HILL ROAD CRAWLEY DOWN CRAWLEY WEST SUSSEX, RH10 4EX
25.00 Site Share:	Single Site - 0
30.00 Data Source	2014/15 Crawley (BC):Annual Network Update Plans 2014/15(20734)
31.10 Friis Radial Line of Sight [BETA]	Friis Line of Sight Map - Radial [BETA]
31.20 Single Radial Line of Sight [BETA]	Line of Sight Map - Radial [BETA]
31.30 1km Grid Line of Sight	Line of Sight Map - 1km Grid - Approx 56km2 (Batch 4037)
31.40 A>B Line of site	Line of site to 524 other masts (Batch 313)
31.50 Spatial:Unitary Region	Mid Sussex District
31.50 Spatial:Historic County	Sussex
31.70 Best Network Operator	BNO Map from Survey Data [BETA]
34.00 Site Status	Transmitting
41.00 Difference(m)	1.22394
42.30 Antenna	UMTS Antenna
46.00 Location	Good Accuracy (Imported Data from Source (0-10m Accuracy))
47.10 East/North	534165/137300
47.20 Lat/Long	51.11/-0.08
48.10 View On Google Map	Open Google Map In New Tab
48.20 View On Google Streetview	Open Google Streetview In New Tab
49.00 Map Corrections	Reposition History: 0 Records
50.00 Planning Authority	Mid Sussex
51.00 Static LPA	Crawley
52.00 Originating LPA	Crawley (BC)
53.00 AMSL/AGL	131m(AMSL)
54.10 Population/UPRN Count	1981 residents within 1km

Update Site: **Feedback**



Map	Ref	Mtr	Nearest 3 Mobile Phone Masts (extended list with login)	Description	A>B	LoS
Map	M91547	↑ 0	LAND ADJOINING TURNERS HILL ROAD, LAND ADJOINING TURNERS HILL ROAD LAND ADJOINING TURNERS HILL ROAD CRAWLEY DOWN CRAWLEY WEST SUSSEX, RH10 4EX	[Transmitting] Provider:EE / Site Built	90.00000	56km2

Mast missing? [Click here to add sites](#) [Hide Message](#)

Tara McCallion

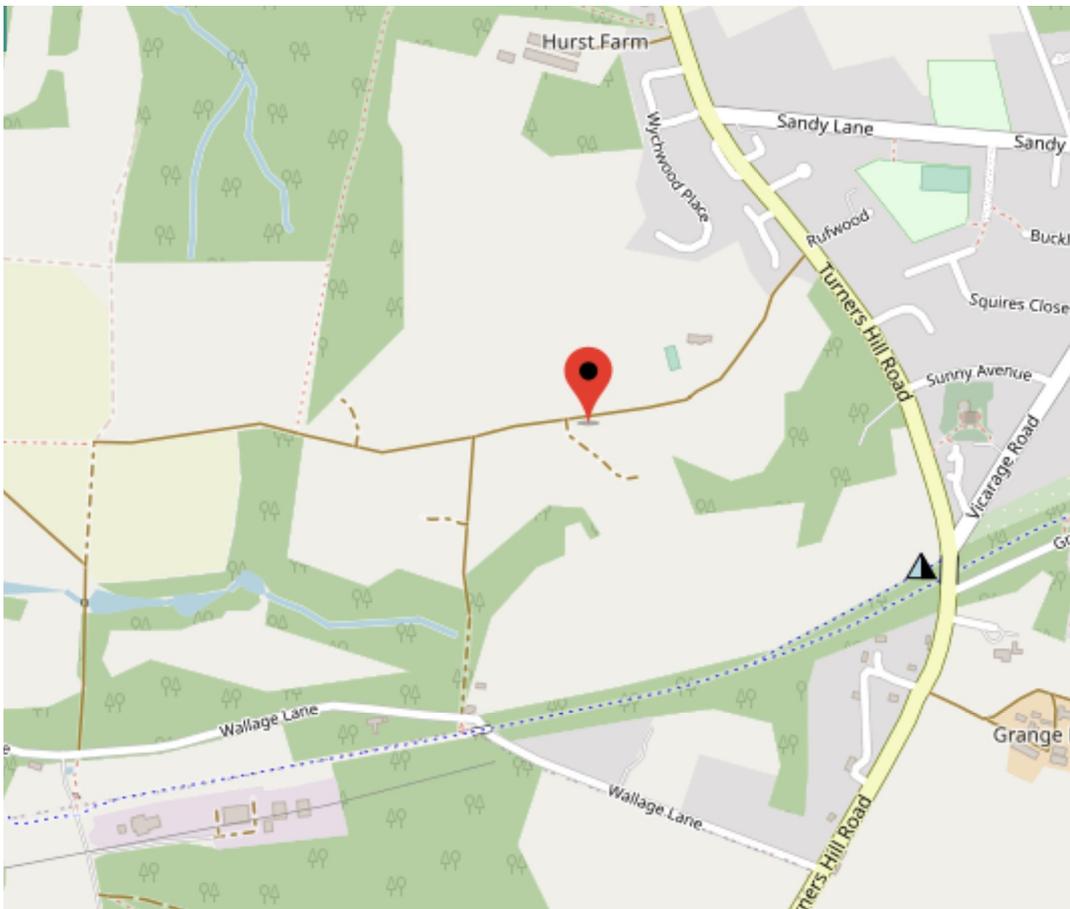
From: MBNLplantenquiries <MBNLplantenquiries@turntown.com>
Sent: 22 February 2024 09:15
To: Tara McCallion
Subject: RE: Plant Enquiry - Land west of Crawley Down

Confidential - External

Dear Sir/Madam,

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

MBNL do have plant in or near to the area of development please see below.



However, further details of the proposed development are needed to ascertain if works will affect either the plant or its coverage. Please keep us up to date with any future developments using the contact details below.

Thank you

SHQ Telecoms
Turner & Townsend Advisory
t: 0121 262 3663 | www.turnerandtowntsend.com
Turner & Townsend Europe Limited

Tara McCallion

From: Stephen Elcock <Stephen.Elcock@networkrail.co.uk> on behalf of OP Buried Services Enquiries <OPBuriedServicesEnquiries@networkrail.co.uk>
Sent: 21 February 2024 09:44
To: Tara McCallion
Subject: RE: Plant Enquiry - Land west of Crawley Down

OFFICIAL

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

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

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

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

Contact details can be found in the following link: [Network Rail Asset Protection Teams](#)

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

Regards,

Stephen Elcock
Distribution Administrator



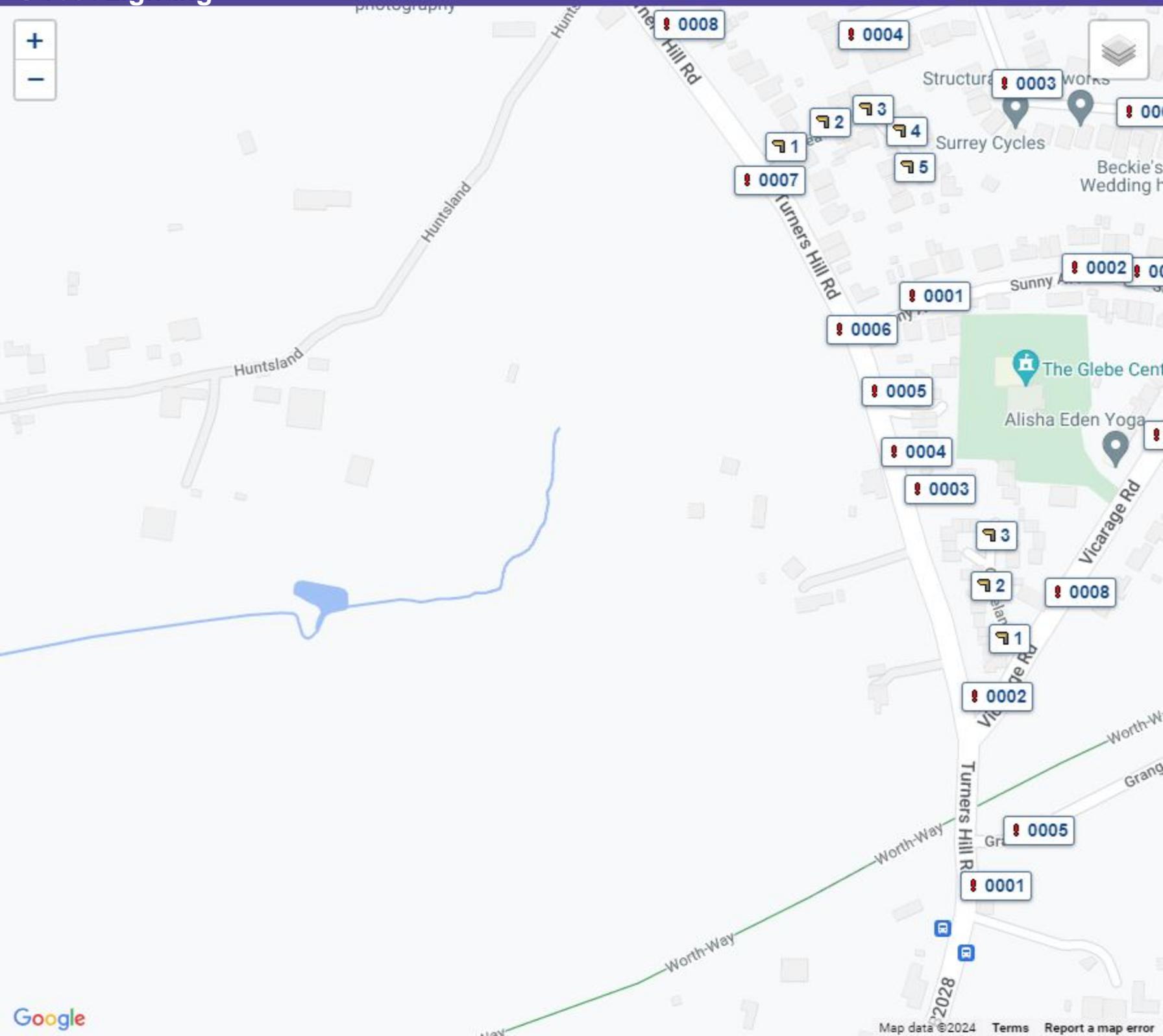
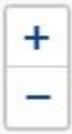
Worksite Survey

National Records Centre, Audax Rd, York, North Yorkshire, YO30 4US

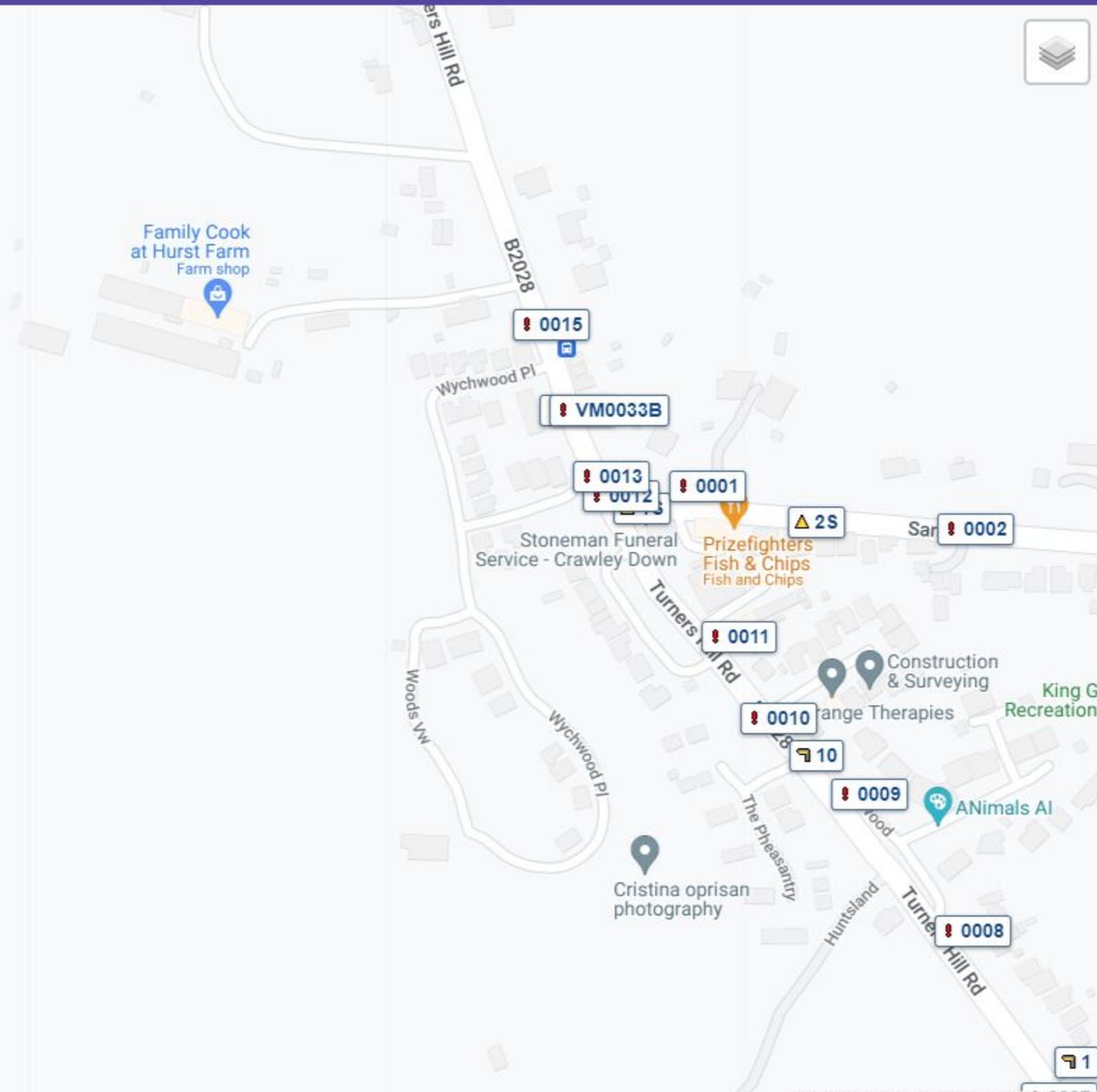
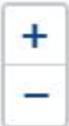
T: 0330 8535314

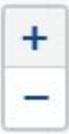
E: Stephen.Elcock@networkrail.co.uk

W: www.networkrail.co.uk



Interactive Map





Family Cook
at Hurst Farm
Farm shop

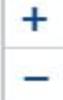
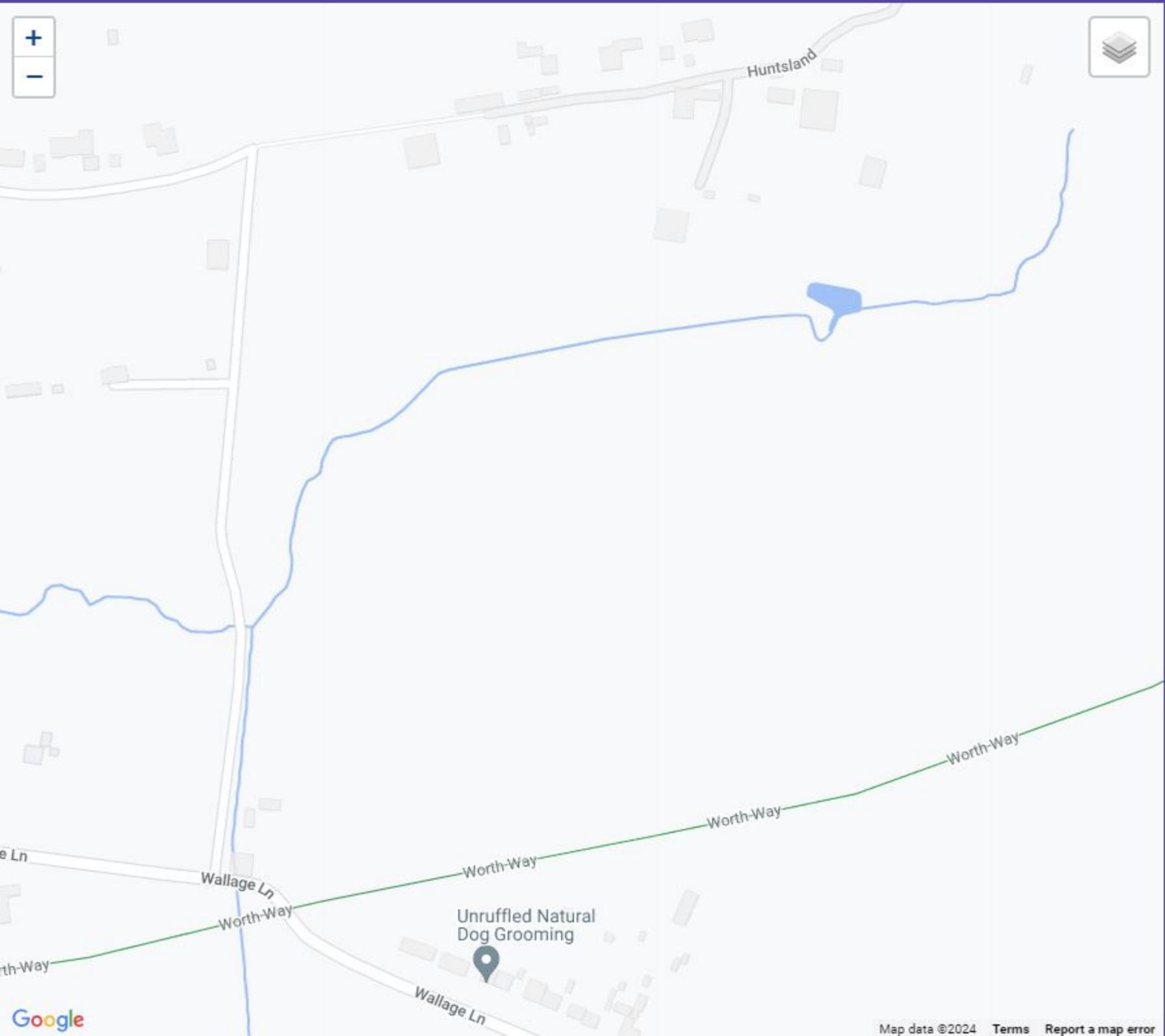


Wychwood

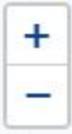
Servi

Woods W

Interactive Map [?](#)



Interactive Map [?](#)



APPENDIX B

WATER SERVICES BUDGET QUOTATION

18 March 2024

Jamie Sanguinetti
Ramboll UK Ltd,
240 Blackfriars Road,
LONDON,
LONDON,
SE1 8NW

Dear Jamie Sanguinetti

Thank you for contacting us about your proposed Budget enquiry at Site at Turners Hill Road, Crawley Down, Crawley RH10 4HB.

Thank you for your letter requesting provision of water mains at the above site. I enclose a plan showing details of the Company's mains.

We have reviewed the effects of your proposed development on our network and can advise that the additional demand cannot be accommodated without off-site reinforcement. To maintain levels of service in the network and on-site it will be necessary for the Company to undertake additional reinforcement work prior to the site connection works taking place. We therefore recommend that advance discussions are held with the Company to ensure that sufficient time is incorporated within your build programme, to enable the reinforcement to be commissioned. The proposals provided for this site are subject to there being no other developments taking place before the works are requisitioned.

We do not guarantee pressure to the upper floors of the properties.

For your information, our statutory minimum levels of service for a domestic supply is 9 l/m (0.15 l/s) at a pressure of 10m.H. (~1bar) at the stopcock situated at the highway boundary and we recommend all systems are designed to cope with this.

For flats and other tall buildings please note pressures can only be guaranteed to the ground/first floor in accordance with our Guidance for Developers. If there is a 2nd/3rd & 4th floor, booster sets and tanks are recommended to be used to ensure pressures/flows can reach the other floors. This is to be designed by the developer's M&E consultant.

Please be aware that under the new pricing structure, all reinforcement works will now be subsidised through infrastructure charges. Offsite reinforcement works are no longer site specific. All below costs are estimated.

SEW does not guarantee pressure to the upper floors of properties & flats.

For Budget Purposes:

The on-site mains would be expected to cost: **£135.00 per metre**

No. of Standard Connections	Connection Type	Approximate Rate	Sub Total
400	A-Type	£410.00	£164,000.00
Standard Infrastructure Charge	Income offset	Infra Rate	Sub Total
400	£242,000.00	£633.00	£11,200.00
Aprox. Total			£175,200.00

The budget figures quoted above have been prepared on the assumptions that there are no Health & Safety hazards arising from either the present site conditions or any which may arise as a result of activities of the developer, his agents or contractors.

South East Water ("SEW") offers two options to developers for the installation of water mains. In brief, the options are as follows:

I. The company offer based on a discount being applied to the total cost of the scheme. This is derived by comparing the annual revenue from the new service connections and the annual repayment of a notional loan over a 12 year period to calculate the deficit. The corresponding lump sum then has the discount applied in accordance with the methodology issued by Ofwat under charging rules for new connection services (English Undertakers)

II. The Self Lay Option is divided into two sections: Non-Contestable is what you are required to pay SEW initially. This cost relates to non-contestable activities (i.e. those items of work that for reasons of safeguarding our water quality, only South East Water or their approved contractor may undertake). Details of Self Lay are available at: <http://www.ofwat.gov.uk/consumerissues/selflay> Income Offset - On satisfactory handover of the self-laid mains, an Asset Payment will be paid to you. If you choose to self-lay the mains, this will need to be in accordance with the SEW Self Lay Policy, using an accredited contractor, under South East Water supervision.

We would also be grateful to receive your detailed plans of the proposed development and the relevant reports and information required to enable us to prepare a firm quotation for the above option(s).

For the Company to provide firm figures at the earliest opportunity please supply the items listed in our "Developer Services – Information required for provision of Water Services".

The availability of a soils report to establish the presence or otherwise of contaminated land is most important. The report must be based on a site investigation carried out in accordance with British Standard Institution BS10175:2001 Investigation of Potentially Contaminated Sites - Code of Practice and in particular should include any potential risk of petroleum hydrocarbons.

In addition the specification proposed for the internal plumbing system could have relevance for the pipework design and your early confirmation of this information would be of great assistance.

If you have any questions or require clarification regarding this letter please feel free to call us.

A firm site layout: scale 1: 500, which identifies:

- i. the extent of the land in the developer's ownership
- ii. the individual plot numbers + Bin Store / Landlord Supplies
- iii. the service entry positions for each plot + Bin Store / Landlord Supplies
(Please note: Water for Domestic, Non Domestic (includes Bin Store / Landlord) and water for Fire fighting purposes will all be metered separately)
- iv. the extent of the area proposed for adoption by the Highway Authority
- v. any designated service strips

It is preferred that you supply an electronic version of your builder's plan, ideally in dwg format. This can be received via CD or by our email address on the top right hand corner of your letter.

The plan must include the proposed development footprint along with all details as previously stated, as well as a section of Ordnance Survey background for the area upon which it is located. The background must be substantial and varied enough, dependant upon its location being urban or rural, to include either surrounding field, fence and road lines, if possible buildings as well which then may be used as location reference points.

An Ordnance Survey grid reference for the site location would also be of help.

All plans that are submitted must be checked that an XREF documents are either imported into the DWG as independent layers or all XREF drawings or files are also included in the submission for mains to be designed and an estimation produced.

3. A Programme of Works and plan identifying any phasing with number of properties associated with any phase of the site and house build rate per year.
4. A Soil Investigation in accordance with British Standard Institution BS10175:2001 Investigation of Potentially Contaminated Sites - Code of Practice. **(In particular the soils investigation should include any potential risk of petroleum hydrocarbons)**
5. Details of any consultation with all known parties on archaeological and environmental issues
6. Type of Hot System installation, i.e. vented or unvented systems
7. Details of the Land owners, together with their Solicitors details, applicable for any Company asset to be installed in non-Highway Authority land.
8. Confirmation of the required flow rate in litres per second, plus completed fittings list, for any nonstandard connection with a flow rate of more than one cubic meter per hour.
9. Should there be any requirement to install sprinkler systems, hose reels or fire-fighting equipment within the new units, please confirm the required flow rate for the firefighting supply so as to enable the effects on design to be assessed and the relevant quotation to be provided. For your information, current Company policy does not permit the cross connection of water for domestic and fire-fighting /non-domestic use therefore should the properties require a supply for firefighting purposes it will be necessary to gain independent metered connections to our main to individually supply the separate elements.

Yours Sincerely

Andrew Gilham
Developer Services Coordinator
South East Water Ltd

South East Water Ltd Registered in England No. 2679874
Registered Office: Rocfort Road, Snodland, Kent ME6 5AH

APPENDIX C

ELECTRICAL SERVICES BUDGET QUOTATION

Mr. Jamie Sanguinetti
Ramboll
23, Brunswick Place
SOUTHAMPTON
SO15 2AQ

Date: 28 March 2024

Our Ref: 8500292221 / QID 3000049562

Dear Mr. Sanguinetti

Site Address: Turners Hill Road / CRAWLEY RH10 4HB

Budget estimate

I am writing to you on behalf of South Eastern Power Networks plc the licensed distributor of electricity for the above address trading as and referred to in this Quote as "UK Power Networks". Thank you for your recent enquiry regarding the above premises.

I am pleased to be able to provide you with a budget estimate for the Works.

It is important to note that this budget estimate is intended as a guide only. It may have been prepared without carrying out a site visit or system studies. No enquiry has been made as to the availability of consents or the existence of any ground conditions that may affect the ground works and only a cursory assessment of any Reinforcement costs that may be applicable has been undertaken. A detailed evaluation of any potential Reinforcement costs, including the applicability of the High-Cost Project Threshold and associated Cost Apportionment Factor will be undertaken upon receipt of a formal application for a Connection Offer. This Budget Estimate is not an offer to provide the connection and nor does it reserve any capacity on UK Power Networks' electricity distribution system.

Description of work included:

The budget estimation for the Works is:

Installation of 3 substations. LV mains and services to 400 properties (1ph per property), a care home (3ph CT metered supply), a Medical Centre (3ph CT metered supply), a Sports Field (3ph supply) and EV charging point (1ph supply)

High Voltage Point Of Connection

£1,200,000 (exclusive of VAT) if the Point Of Connection (POC) is to our High Voltage network along Woods View.

A network study is required to confirm the POC and/or the extent of reinforcement which will be necessary in order to provide the required capacity. This study will be carried out on receipt of your request for a formal quotation.

Load at the Primary Substation is limited; so works at the primary may be required to provide the capacity you require.

Reinforcement works will be required in order to provide a supply of 2.4MVA to your site. Specific reinforcement requirements will be discussed at a formal quotation stage. Please note that these works could affect the timeframes of delivery.

Interactivity

At least one other customer has made an application for connections to the same part of UK Power Networks' Distribution System and there is insufficient capacity or other constraints upon UK Power Networks that will prevent all the connections requested from being made. I am sorry but you are not the first in the queue therefore **conditional Interactivity** applies

Assumptions

This budget estimate is based on the following assumptions:

- The most appropriate Point of Connection (POC) is as described above.
- A viable cable or overhead line route exists along the route we have assumed between the Point of Connection (POC) and your site
- In cases where the Point of Connection (POC) is to be at High Voltage, that a substation can be located on your premises at or close to the position we have assumed
- Where electric lines are to be installed in private land UK Power Networks will require an easement in perpetuity for its electric lines and in the case of electrical plant the freehold interest in the substation site, on UK Power Networks terms, without charge and before any work commences
- You will carry out, at no charge to UK Power Networks, all the civil works within the site boundary, including substation bases, substation buildings where applicable and the excavation/reinstatement of cable trenches
- Unless stated in your application, all loads are assumed to be of a resistive nature. Should you intend to install equipment that may cause disturbances on UK Power Networks' electricity distribution system (e.g. motors; welders; etc.) this may affect the estimate considerably
- All UK Power Networks' work is to be carried out as a continuous programme of work that can be completed substantially within 12 months from the acceptance of the Quote.

Please note that if any of the assumptions prove to be incorrect, this may have a significant impact on the price in any subsequent Quote. You should note also that UK Power Networks' formal Quote may vary considerably from the budget estimate. If you place reliance upon the budget estimate for budgeting or other planning purposes, you do so at your own risk.

If you would like to proceed

If you would like to proceed to a formal offer of connection then you must apply for a Quote. Please refer to our website [click here](#) to complete application process.

To help us progress any future enquiry as quickly as possible please quote the UK Power Networks Reference Number from this letter on all correspondence.

Any Questions?

If you have any questions about your budget estimate or need more information, please do not hesitate to contact me. The best time to call is between the hours of 9am and 4pm, Monday to Friday. If the person you need to speak to is unavailable or engaged on another call when you ring, you may like to leave a message or call back later.

Yours sincerely

Shona Williams

Mobile: 07936 338 818

Email: Shona.Williams@ukpowernetworks.co.uk



To download your free safety leaflets and resources visit [UK Power Networks - Safety Page](#)