

# Utilities Summary:

## Earl Shilton Urban Extension

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### 1. Introduction

Bloor Homes, Jelson Homes and Barwood Land (hereafter referred to as 'the Applicants') are seeking an outline planning permission from Hinckley & Bosworth Borough Council (HBBC) for mixed use development of a site, known as the Earl Shilton Sustainable Urban Extension (SUE), located to the southeast of Earl Shilton, Leicestershire. **Wood Group UK Ltd (Wood)** has been commissioned to carry out an assessment of the existing utilities and future requirements for the proposed mixed-use development. This Statement is to identify the extent of any on-site or off-site upgrade works for existing public utilities to accommodate the development, together with associated budget cost estimates.

The proposed development mix used for this report is broken down as follows:

- 1,500 residential units;
- 17,666 sqm of type B1 Office;
- 17,666 sqm of type B2 Industry;
- 17,666 sqm of type B8 Warehouse;
- 11,000 sqm Primary School;
- 2,500 sqm Community Hall;
- 2,500 sqm Retail; and
- 1,655 total Electric Vehicle Charging Points, broken down as follows:
  - 1,500 Residential – Fast Charge;
  - 10 Communal - Fast Charge;
  - 25 School/Retail;
  - 30 Fast Charge for B1 Office;
  - 10 Rapid Charge for B1 Office;
  - 60 Fast Charge for B2/B; and
  - 20 Rapid Charge for B2/B8.

The above development mix will need to be confirmed once the masterplan has been developed and agreed.

## 2. Existing and Proposed Utilities

Data has been obtained directly from the Distribution Network Operators (DNO) outlining the location of the nearest available utility network connection point and the capacity of that network to facilitate the proposed development mix. The Illustrative Masterplan on which this study is based upon has been included in Appendix A. The most recent existing utility drawing, provided by Cornerstone, is included in Appendix B, although it is evident that two areas of the revised masterplan to the far north-east and central north-east of the site were not included in the original utilities data search.

This technical note reviews the following utilities:

- Electricity;
- Gas;
- Water;
- Foul Water;
- Surface Water; and
- Telecoms.

For the purpose of this Technical Note, it has been assumed that of the 1,500 proposed residential units, 600 will be constructed pre-2025, and thus require gas heating. The remaining 900 units are assumed to be constructed post 2025, and therefore will use electric heating. The exact development mix and phasing will need to be confirmed at a later stage, after which the Utilities Statement can be updated.

Anticipated additional loads have been calculated for the proposed development, and are included in Appendix G.

Table 2.1 below shows a summary of the responses from discussions held with the utility companies, together with high level budget costs.

Table 2.1 Utility Summary Table

| Utility                                                     | Location and Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Budget cost Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Electricity</b><br><br><i>Western Power Distribution</i> | <p>Western Power Distribution (WPD) owns and operates the existing public electricity supply in the area. There is an overhead HV (11 kV) cable in the western part of the site, running from north to south.</p> <p>WPD have provided a budget estimate for the proposed site development, dated 01/09/2020. The budget estimate includes for a development mix described above in section 1, with a sufficient electricity supply for all properties to have electric vehicle charging points (assuming a peak demand of 50% of vehicles charging at peak time), as well as electric vehicle charging provisions for the B1 office, B2 industry, B8 warehouse, school and retail.</p> <p>The proposal includes for the laying of approximately 24,000 m of 11 kV underground cables, which includes point of connection (POC) from Berkswell Primary Substation and respective LV mains and services to supply the connections. The costs include the upgrade and reinforcement works of the Barwell Primary Substation located approximately 2 km to the north-west of the site. WPD have also advised in their letter, that the demand from the development may trigger further upstream reinforcement works in NG's 275 KV network in Coventry and may be subject to a Modification Application, at a cost of £28,000 + VAT. If this is</p> | <p>The estimated connections charges provided by WPD total £6,350,000 and can be broken down as follows:</p> <ul style="list-style-type: none"> <li>• Non-contestable works £1,209,000</li> <li>• Contestable works £5,141,000</li> </ul> <p>Diversions works and cost estimates are to be confirmed once a detailed Masterplan has been finalised.</p> <p>The above costs exclude the cost of undertaking the on-site civils works including trench excavation, substations and reinstatement works.</p> |



| Utility                                        | Location and Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Budget cost Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                | <p>required, then the reinforcement works may take upto 5 years to complete, which may have an impact on the development programme. WPD would consider providing phased supplies to smaller development parcels. Further discussions are therefore required with WPD.</p> <p>Any undergrounding/diversion works required will need to be further discussed with WPD once a detailed Masterplan has been finalised.</p> <p>WPD's correspondence and plan showing the connection point is included in Appendix C.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gas</b><br><br><i>Cadent Gas</i>            | <p>Cadent Gas own and operate the existing public gas infrastructure in the area. There are no gas mains within the proposed site, however there are LV gas mains just north of the site.</p> <p>There are also LP mains adjoining the north-east boundary of the site, owned by Fulcrum, LP mains adjoining the south-west boundary of the site, owned by ESP and LP mains adjoining the north boundary of the site, owned by GTC.</p> <p>Cadent Gas have confirmed by way of letter, dated 20/08/2020, that there is insufficient capacity to accommodate the proposed development, and that reinforcement works would be required. The point of connection is the 90mm MP main located near the A47/Station Road intersection, approximately 1241 metres west of the site boundary. The number of properties that may be constructed before 2025 may be in the order of 600 properties, so the gas loading could be reduced. However, it is not anticipated that the gas point of connection will change, although this would need to be confirmed by Cadent.</p> <p>Cadent Gas do not provide budget estimates and a detailed design quote can be obtained once the Masterplan has been finalised and approved. Wood have calculated a high-level budget estimate (as indicated opposite and above) for the off-site gas connection onto the existing MP gas main, which has been based on other similar projects. The provision of a gas governor station located on the site (at an agreed location) has also been included in the budget estimate.</p> <p>Cadent Gas correspondence and plan showing the connection point is in Appendix D.</p> | <p>This high-level budget cost estimate is based on previous project experience and can be broken down as follows:</p> <ul style="list-style-type: none"> <li>Installation of new site gas mains at £500/m<br/>= (500 x 1241) + 10% contingency =<br/>£682,550.00</li> </ul> <p>Standard gas connection charges may apply in addition to the estimates provided.</p>                                                                                                                                                                             |
| <b>Water Supply</b><br><br><i>Severn Trent</i> | <p>The local clean water network is owned and operated by Severn Trent Water (STW). There are no water mains running through the site, however there are water mains adjoining the north, east and west boundaries.</p> <p>Severn Trent confirmed by letter, dated 27/08/2020, that a new 315mm diameter water main will be required to connect the site and that there is sufficient capacity to supply the proposed development from their existing 450mm main, 900 metres to the east of the site, south of Thurlaston Lane in private land. An alternative option has been suggested, avoiding private land, however, it is further away, approximately 1.4 km away. This POC is from the existing 15" main in Leicester Road, however this is not the preferred POC.</p> <p>STW correspondence and drawing which indicated the connection point for potable water is included in Appendix E.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>The budget cost for Severn Trent constructing the new water mains has been calculated for their preferred connection point on Thurlaston Lane, and can be broken down as follows:</p> <ul style="list-style-type: none"> <li>New water mains (inclusive of connection costs)<br/>£758,261.92</li> <li>Water infrastructure charge (domestic only)<br/>£592,500.00</li> <li>Water income offset (domestic only)<br/>-£718,680.00</li> </ul> <p>Service connection charges are not included in the cost of mains laying and would be issued</p> |

| Utility                                                           | Location and Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Budget cost Range                                                                                                                                                                                                                                                                                                                 |
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|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | under a separate cover once the terms have been accepted.                                                                                                                                                                                                                                                                         |
| <b>Foul Drainage and Surface Water</b><br><br><i>Severn Trent</i> | <p>The foul drainage and surface water network are owned and operated by Severn Trent Water (STW). There is a 225mm foul drainage pipe entering the north of the site, off Montgomery Lane, and surface water networks in the north of the site, running off Montgomery Road, The Leecrofts and Meadow Court Road.</p> <p>There is a combined drainage pipe in the north of the site, running from west to east, and a 150mm AC in the north-west corner of the site, which crosses through the northern land parcel, and runs southwards from Thurlaston Lane. The northern section of this combined sewer will need to be diverted to accommodate the development.</p> <p>Severn Trent confirmed by letter, dated 26/08/2020, that the closest point of connection for foul water is at the combined sewers within the site, which ultimately discharge at Earl Shilton STW.</p> <p>Severn Trent have advised of the following easements required within the site:</p> <ul style="list-style-type: none"> <li>• 6 m (3 m each side) of the 225mm surface water public sewer crossing the site;</li> <li>• 10 m (5 m each side) of the 300 mm and 825 mm surface water sewers crossing the site; and</li> <li>• 10 m (5m each side) of the 375 mm combined sewer crossing the site.</li> </ul> <p>There is no guarantee that development can take place over or close to any Severn Trent sewers, and where diversions are required, Severn Trent need to be contacted as soon as possible, to discuss the potential implications of diverting these sewers and establish the cost of diversions. This can be done once a detailed Masterplan has been finalised.</p> <p>STW have conducted initial sewer modelling to determine the impact this development will have on the network, in which 100% of the proposed development build was assessed. A Flooding Impact of 'Medium' was triggered for all phases of this development proposal due to existing surcharge during dry weather of the sewer network along Montgomery Road, just upstream of the connection point, which will be further intensified by an increase in flow from the development.</p> <p>Furthermore, a pollution impact of 'Medium' risk has also been triggered for 75% of the development proposal, caused by increased storm spill into the Earl Shilton Brook.</p> <p>STW have stated in an email dated 02/12/2021 that "Earl Shilton sewage treatment works has capacity to accommodate the development and the likelihood of significant impacts to the network is low".</p> <p>STW correspondence and drawings are included in Appendix F.</p> | <p>Based on standard charges, the costs can be broken down as follows:</p> <ul style="list-style-type: none"> <li>• Waste infrastructure charge (domestic only) £437,385.00</li> <li>• Waste income offset (domestic only) -£135,000.00</li> </ul> <p>Diversions works are TBC once a detailed Masterplan has been finalised.</p> |
| <b>Telecomms</b><br><br><i>BT</i>                                 | <p>There is BT overhead apparatus to the North of the site and along Mill Lane. There is BT underground apparatus to the North of the site and along Breach Lane. There is also additional planned BT apparatus along Breach Lane, of which the exact location and extent will need to be verified with BT once a detailed Masterplan has been finalised.</p> <p>There is also some Vodafone apparatus along Thurlaston Lane and Virgin Media apparatus along Meadow Court Road, The Leecrofts and Mill Lane.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>Standard site connection charges.</p>                                                                                                                                                                                                                                                                                          |

| Utility | Location and Capacity                                                                                                                                                                                                                                                                                                                                                                                     | Budget cost Range |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|         | No issues are anticipated for Telecommunication connections for this proposed development. To make assessment of the connection potential of the site, a New Site Registration form needs to be completed with details of the site and the proposed construction phase. This will need to be done once a detailed Masterplan has been finalised, in order to better understand any potential constraints. |                   |

### 3. Conclusion and Recommendations

As part of the design process it is recommended that the following studies and assessments are carried out, to gain a greater understanding of the works required and cost implications for accommodating the proposed development (to be done once a detailed Masterplan has been finalised):-

- Further discussions with Western Power Distribution regarding the provision of an electric supply to the site including the level of reinforcement works required to the WPD and NG networks and confirmed timescales and programme. It is recommended that A Point of Connection application (or Modification Application as stated in Table 2.1) is made with WPD to obtain a firm offer for the electricity supply and substation upgrade works, and to agree a programme of works;
- Further discussions with Western Power Distribution to confirm undergrounding/diversion works required and associated costs/timelines;
- Further discussions with Cadent Gas regarding the provision of gas supply to the site, including budget estimates, any upgrade works required to accommodate the development, timescales, and phasing of the development;
- Continue discussions with BT Openreach to establish their latest position on offering Superfast broadband;
- Further discussions with Severn Trent regarding the provision of potable water to the site, together with agreeing the preferred option and understanding the time implications of this with respect to the development and budget estimates;
- An application will need to be made with Severn Trent Water by the developer, for a foul sewer connection by submitting a Section 106 application;
- Further discussions with Severn Trent Water to confirm diversion/easement requirements for the existing foul, surface water and combined sewers, and associate costs/timelines; and
- Further discussion with Severn Trent is required regarding any upgrades to the local public foul drainage network and associated costs/timelines.

**Issued by****Approved by**

.....  
**Cassie Craner**

.....  
**Stewart Griffiths**

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# Appendix A

## Illustrative Masterplan





Key

Site boundary (65.35ha)

0 m 300 m

Scale 15000 @ A3

© 2014 Google

Earl Shilton

**Illustrative masterplan**

November 2021



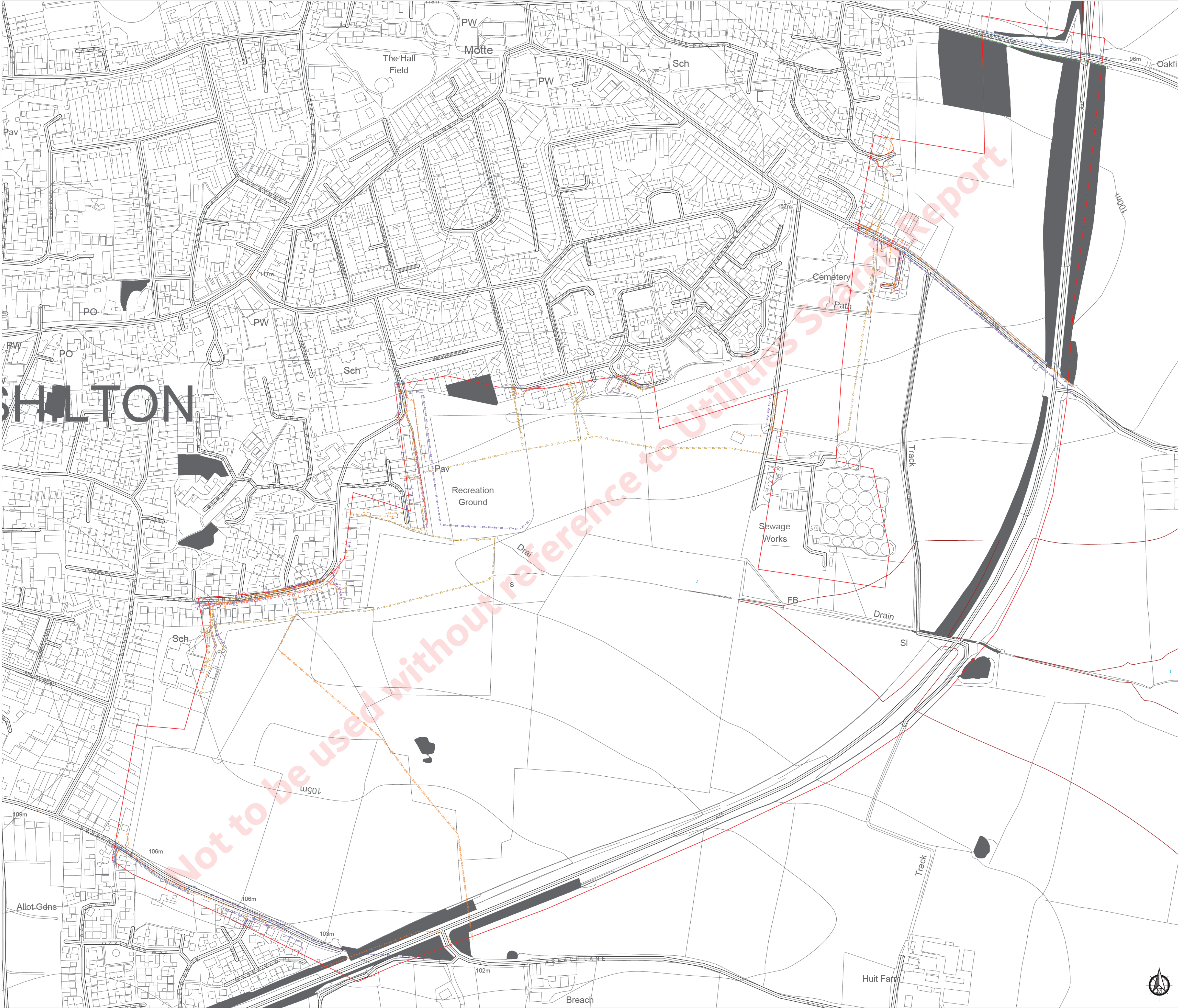
**wood.**



## Appendix B

### Existing Utilities Plan





- NOTES:
1. Do not scale from this drawing.
  2. Utility connections to individual properties / buildings are often not shown on the utility plans but it should be assumed that such live utility connections exist. Connections to street lighting and other road furniture / signage may also not be shown but should be considered to exist until proven otherwise.
  3. The location of all underground utility plant and apparatus shown on this AutoCAD drawing (and any pdf prints of the same) is based on the original utility plans contained within the (Utility Search Report USR) which must be referred to prior to any work. This drawing is intended to be indicative only and must not be relied on to provide confirmation of the type, location, status, presence or absence of any utility apparatus. This CAD drawing should not be used in isolation but in conjunction with the USR. Further guidance notes and individual utility information not shown on this drawing will also be contained within the USR.
  4. The actual type, location, status, presence or absence of all utility apparatus must be determined and confirmed on site using the procedure detailed in HSE HS(G) 47 and BSI PAS 128:2014. For example, on site surveys such as GPR and EML surveys, trial holes and hand digging should be used as appropriate.
  5. The size and type of each utility is not denoted on this drawing and the line colours may not reflect the colours used on the original utility plans. Please refer to the USR for these details.
  6. The utility plans this drawing is based on are only valid for three months from the date of issue of the USR unless otherwise noted in the USR.
  7. If Cornerstone Projects purchased the (Ordnance Survey OS) mapping then it is licensed for one year from the date of this drawing and should be destroyed after this date. We are not liable for any errors or lack of accuracy in the OS mapping.
  8. Cornerstone Projects Ltd will not accept any liability for errors, omission or inaccuracies in the information shown on this drawing.
  9. Please refer to the Terms & Conditions on our website for further information regarding this drawing and the USR.

The SMART PDF is an interactive PDF.  
Click on the utility below to turn its layers on and off.

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| LEGEND:                              |                                     |
| <a href="#">GAS</a>                  | <input checked="" type="checkbox"/> |
| <a href="#">WATER</a>                | <input checked="" type="checkbox"/> |
| <a href="#">SURFACE SEWER</a>        | <input checked="" type="checkbox"/> |
| <a href="#">FOUL SEWER</a>           | <input checked="" type="checkbox"/> |
| <a href="#">COMBINED SEWER</a>       | <input checked="" type="checkbox"/> |
| <a href="#">BT</a>                   | <input checked="" type="checkbox"/> |
| <a href="#">BT OVERHEAD</a>          | <input checked="" type="checkbox"/> |
| <a href="#">BT PLANNED</a>           | <input checked="" type="checkbox"/> |
| <a href="#">ELECTRICITY</a>          | <input checked="" type="checkbox"/> |
| <a href="#">ELECTRICITY OVERHEAD</a> | <input checked="" type="checkbox"/> |
| <a href="#">VODAFONE</a>             | <input checked="" type="checkbox"/> |
| <a href="#">VIRGIN</a>               | <input checked="" type="checkbox"/> |
| <a href="#">GTC GAS</a>              | <input checked="" type="checkbox"/> |
| <a href="#">ESP GAS</a>              | <input checked="" type="checkbox"/> |
| <a href="#">FULCRUM GAS</a>          | <input checked="" type="checkbox"/> |

|      |              |     |       |
|------|--------------|-----|-------|
| REV: | DESCRIPTION: | BY: | DATE: |
|------|--------------|-----|-------|

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VAT REG NO. 8514941 19  
COMPANY NO. 5132353

UNDERGROUND UTILITIES SEARCH

CLIENT NAME:  
Wood plc

SITE NAME:  
Earl Shilton

SITE REFERENCE:  
42523

SHEET NO:  
1 OF 1

SCALE @ A3:  
1:2500

DATE:  
31/03/2020

DRAWN:  
FC

CHECKED:  
JS



# Utilities Search Report



**Thursday, 26 Mar 2020**

**Wood plc**

**42523**

**Earl Shilton**

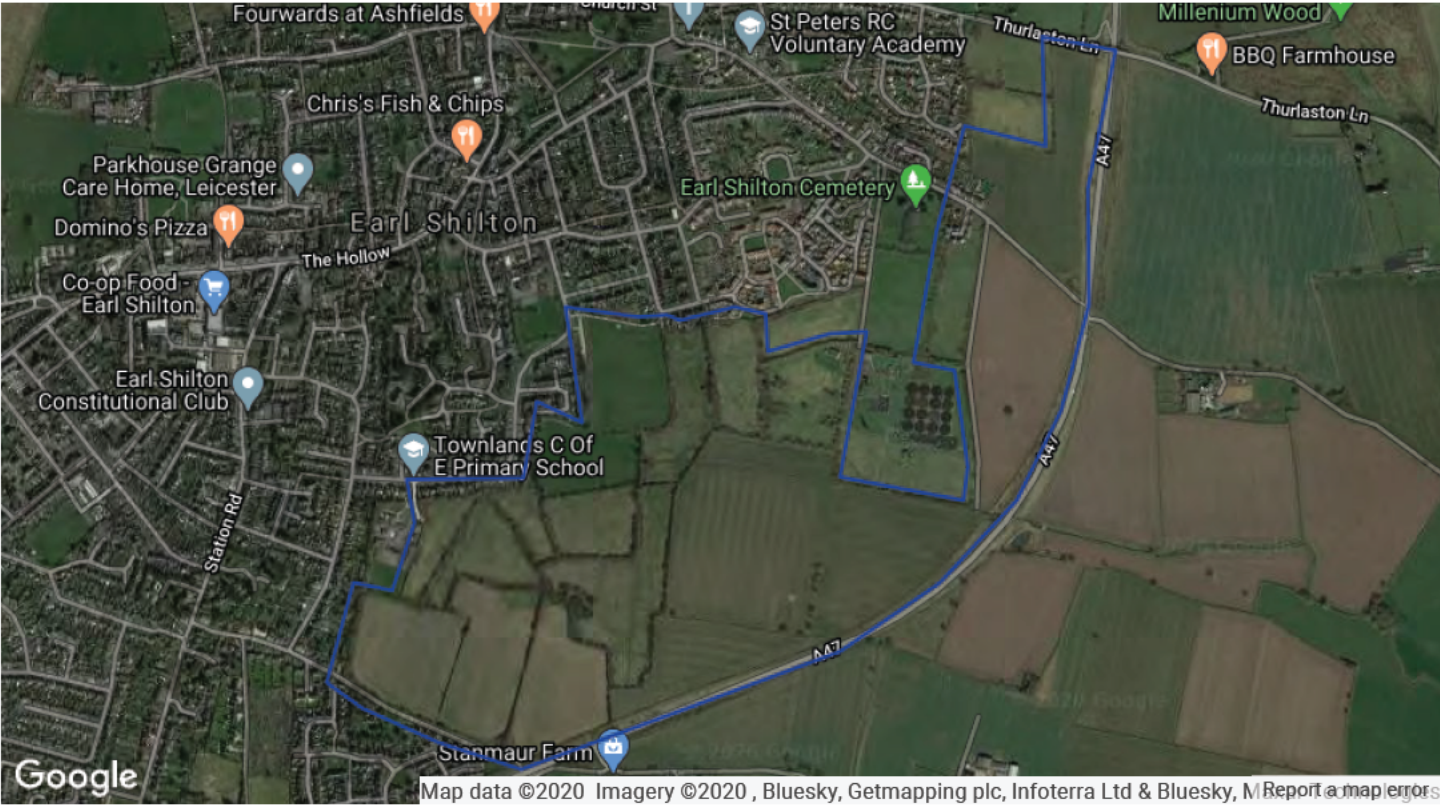
91 Market Street Hoylake Wirral CH47 5AA  
Tel. 0151 632 5142  
[enquiries@cornerstoneprojects.co.uk](mailto:enquiries@cornerstoneprojects.co.uk)  
[www.cornerstoneprojects.co.uk](http://www.cornerstoneprojects.co.uk)  
VAT Reg. No. 851 4941 19  
Company No. 5132353

## Table of contents:

| Utility / Service                                                                               | Included     | Utility / Service            | Included      |
|-------------------------------------------------------------------------------------------------|--------------|------------------------------|---------------|
| <b>Basic Search</b>                                                                             |              | <b>Independent Utilities</b> |               |
| Gas                                                                                             | Yes          | GTC                          | Yes           |
| Water                                                                                           | Yes          | Last Mile                    | Yes           |
| Sewers                                                                                          | Yes          | SSE                          | Not Affected  |
| BT                                                                                              | Yes          | Harlaxton                    | Not Affected  |
| Electricity                                                                                     | Yes          | Utility Assets               | Not Affected  |
| 3rd Party Searches*                                                                             | Yes          | UK Power Distribution        | Yes           |
|                                                                                                 |              | Albion Water                 | Not Affected  |
| <b>Cable Search</b>                                                                             |              | ESP                          | Yes           |
| Vodafone                                                                                        | Yes          | Fulcrum Pipelines            | Yes           |
| Virgin Media                                                                                    | Yes          | Energy Assets                | Yes           |
| BSkyB                                                                                           | Yes          | ENGIE                        | Not Requested |
| GTT                                                                                             | Not Affected | Leep Utilities               | Not Affected  |
| Colt                                                                                            | Yes          |                              |               |
| KPN                                                                                             | Yes          |                              |               |
| Sota                                                                                            | Not Affected |                              |               |
| CGI Logica                                                                                      | Not Affected | <b>Others</b>                |               |
| SSE Telecom                                                                                     | Not Affected | CAD Pack                     | To Follow     |
| City Fibre                                                                                      | Yes          | Smart pdf                    | To Follow     |
| Telia Sonera                                                                                    | Not Affected | Coal Authority Report        | Not Requested |
| Instalcom**                                                                                     | Yes          | Others                       | Not Requested |
| KCom                                                                                            | Not Affected |                              |               |
| Verizon                                                                                         | Yes          |                              |               |
| Trafficmaster                                                                                   | Not Affected |                              |               |
| Zayo Group                                                                                      | Not Affected |                              |               |
| Tata Communications                                                                             | Not Affected |                              |               |
| Gamma                                                                                           | Not Affected |                              |               |
| Gigaclear Plc                                                                                   | Not Affected |                              |               |
|                                                                                                 |              |                              |               |
| *Includes Utilibilly and Linesearch                                                             |              |                              |               |
| **Includes Level3, GC(UK) Ltd, GC PEC, Fibrenet UK and Fibrespan                                |              |                              |               |
| <b>NB: All plans / responses are valid for a maximum of three months unless noted otherwise</b> |              |                              |               |



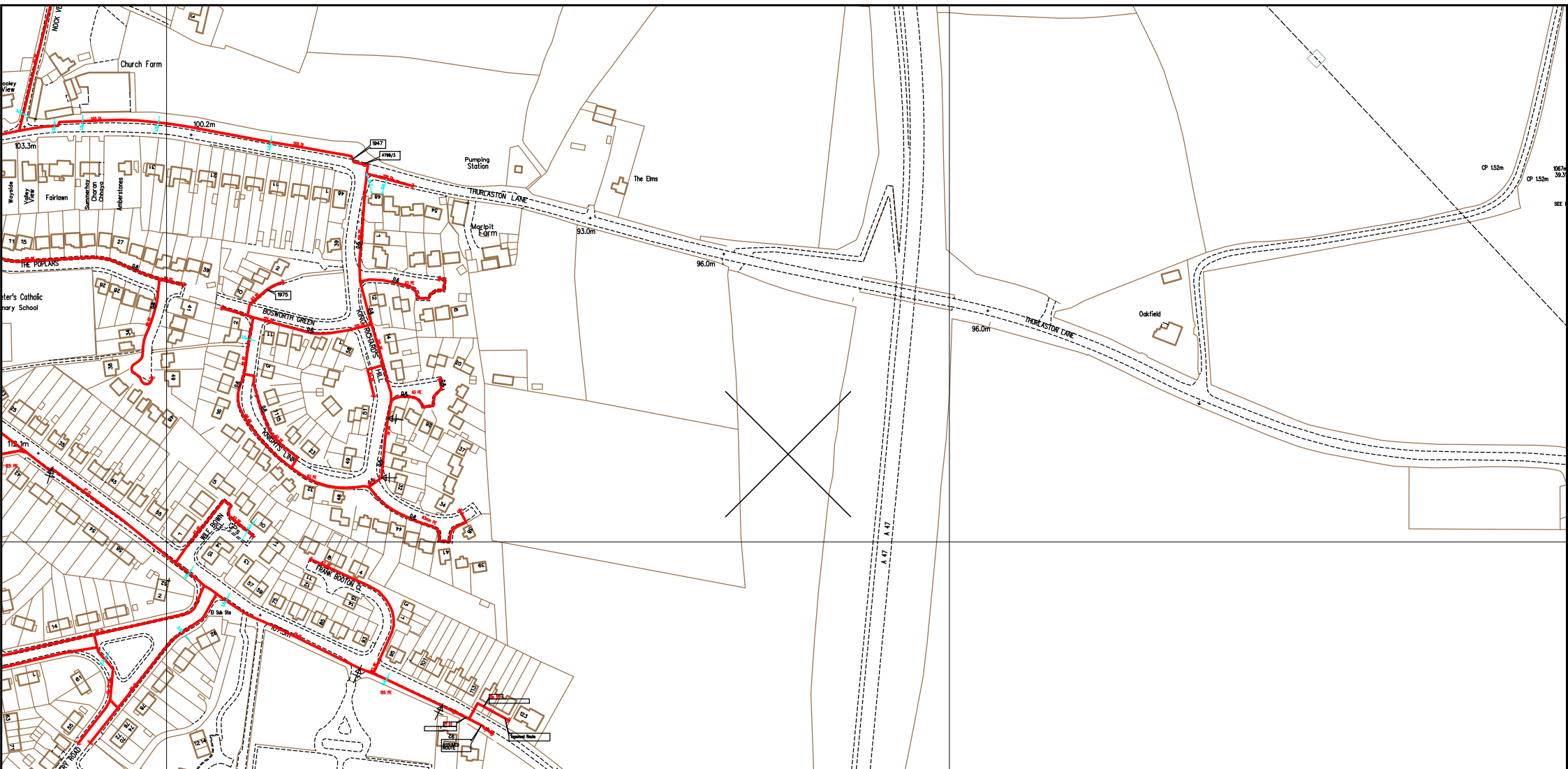
# AREA PLAN



PRINT



# GAS



|                          |
|--------------------------|
| SCALE: Not to scale      |
| USER ID: James           |
| DATE: 13/03/2020         |
| EXTRACT DATE: 09/12/2019 |
| MAP REF: SP4798          |
| CENTRE: 447894, 298098   |

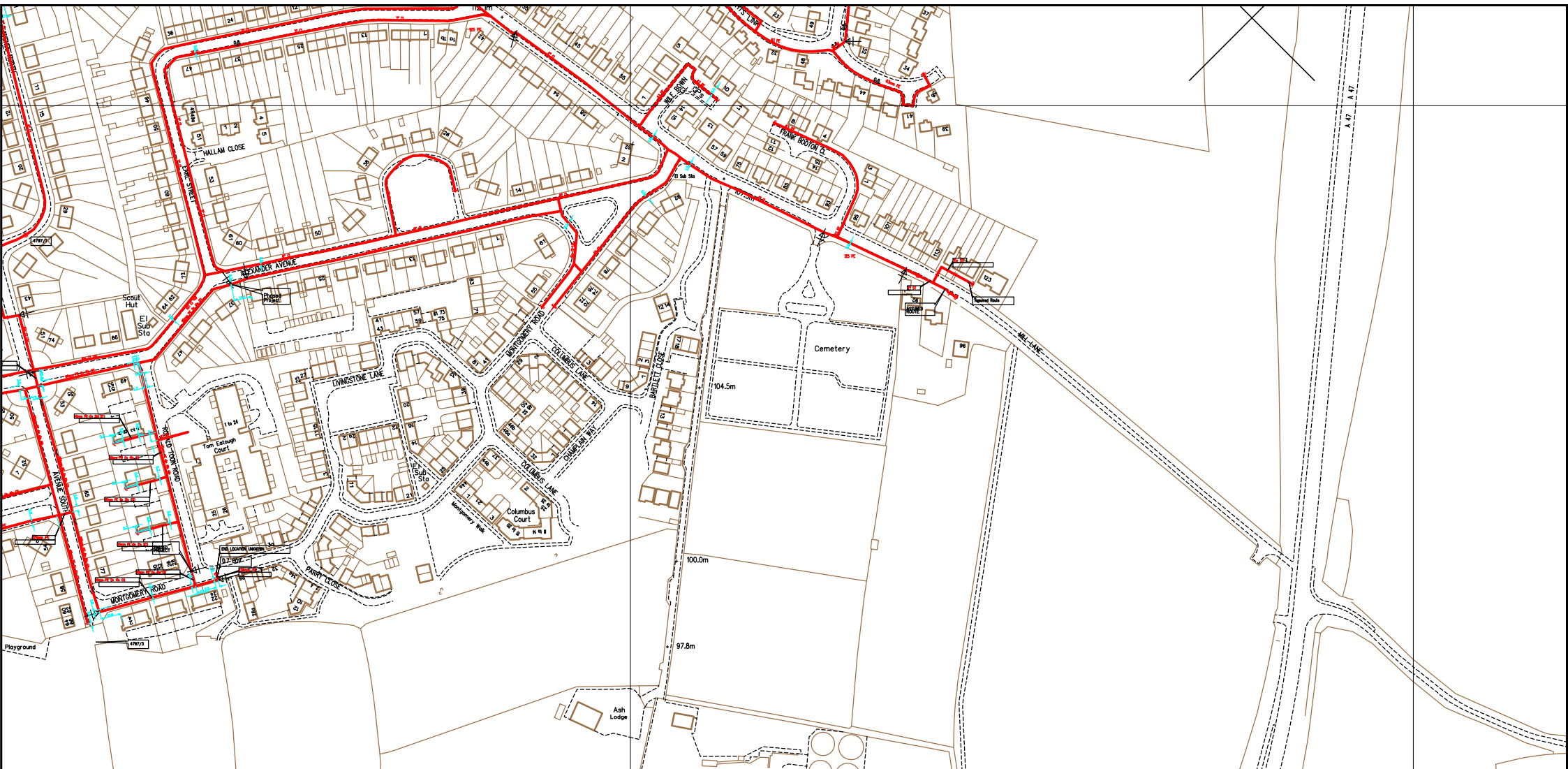
|                               |                         |
|-------------------------------|-------------------------|
| Some examples of Plant Items: |                         |
| Valve                         | Depth of Cover          |
| Syphon                        | Diameter Change         |
| Material Change               | Out of Standard Service |

|           |       |
|-----------|-------|
| LP MAINS  | —     |
| MP MAINS  | - - - |
| IP MAINS  | - - - |
| LHP MAINS | - - - |

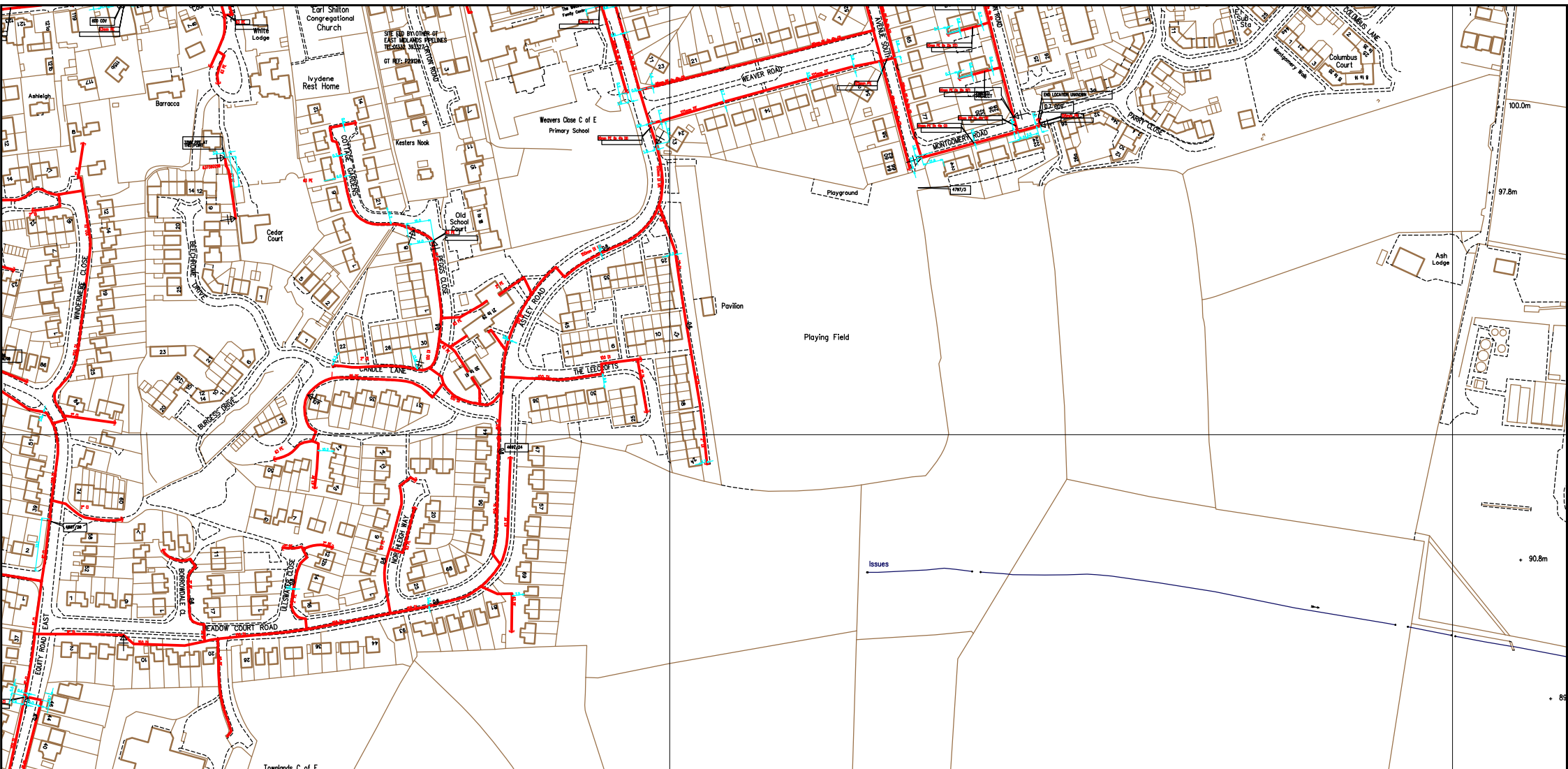
This plan shows those pipes owned by Cadent Gas Ltd in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy hereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Ltd or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm). A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.

|                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAPS Viewer Version 5.8.0.1                                                                                                                                   |
| Local Machine                                                                                                                                                 |
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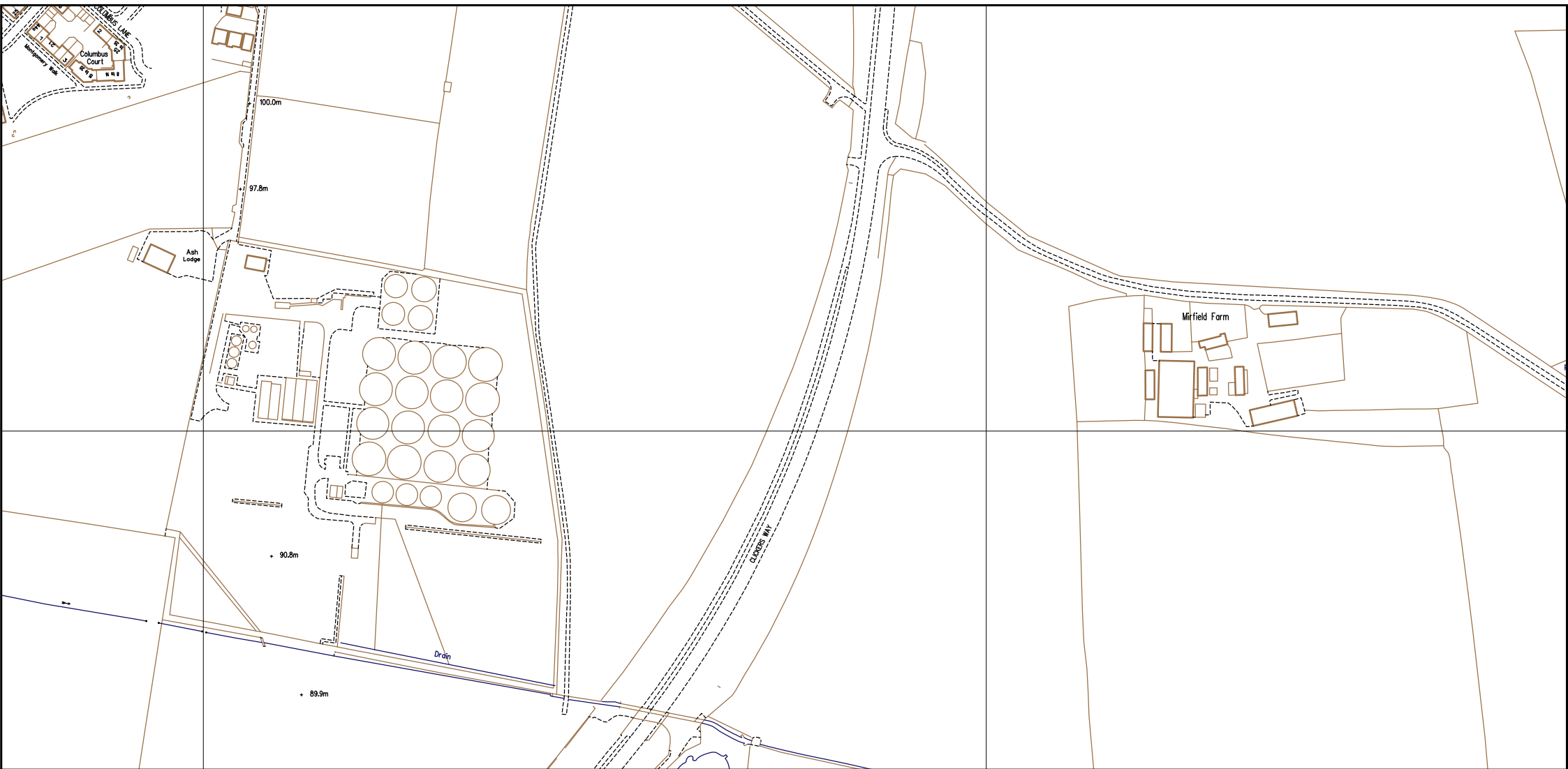


|                                 |  |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |
|---------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>SCALE:</b> Not to scale      |  | <div><div>LP MAINS</div><div>MP MAINS</div><div>IP MAINS</div><div>LHP MAINS</div></div> <div><div>Valve</div><div>Depth of Cover</div><div>Syphon</div><div>Diameter Change</div><div>Material Change</div><div>Out of Standard Service</div></div> | <p>This plan shows those pipes owned by Cadent Gas Ltd in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, 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 hereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Ltd or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.</p> | <b>MAPS Viewer Version 5.8.0.1</b> |
| <b>USER ID:</b> James           |  |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Local Machine</b>               |
| <b>DATE:</b> 13/03/2020         |  |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |
| <b>EXTRACT DATE:</b> 09/12/2019 |  |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |
| <b>MAP REF:</b> SP4797          |  |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |
| <b>CENTRE:</b> 447598, 297820   |  | <p>This plan is reproduced from or based on the OS map by Cadent Gas Ltd, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved.</p>                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |



|                                                                                                                                                                                                      |  |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                               |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SCALE: Not to scale                                                                                                                                                                                  |  | <div><div>LP MAINS</div><div>MP MAINS</div><div>IP MAINS</div><div>LHP MAINS</div></div> | <p>This plan shows those pipes owned by Cadent Gas Ltd in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, 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 hereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Ltd or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.</p> | MAPS Viewer Version 5.8.0.1                                                                                                                                   |  |
| USER ID: James                                                                                                                                                                                       |  |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Local Machine                                                                                                                                                 |  |
| DATE: 13/03/2020                                                                                                                                                                                     |  |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                               |  |
| EXTRACT DATE: 09/12/2019                                                                                                                                                                             |  |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                               |  |
| MAP REF: SP4797                                                                                                                                                                                      |  |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                               |  |
| CENTRE: 447073, 297530                                                                                                                                                                               |  |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | This plan is reproduced from or based on the OS map by Cadent Gas Ltd, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. |  |
| <div>Some examples of Plant Items:</div> <div><div>Valve</div><div>Depth of Cover</div><div>Syphon</div><div>Diameter Change</div><div>Material Change</div><div>Out of Standard Service</div></div> |  |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                               |  |





|                          |
|--------------------------|
| SCALE: Not to scale      |
| USER ID: James           |
| DATE: 13/03/2020         |
| EXTRACT DATE: 09/12/2019 |
| MAP REF: SP4797          |
| CENTRE: 447871, 297528   |

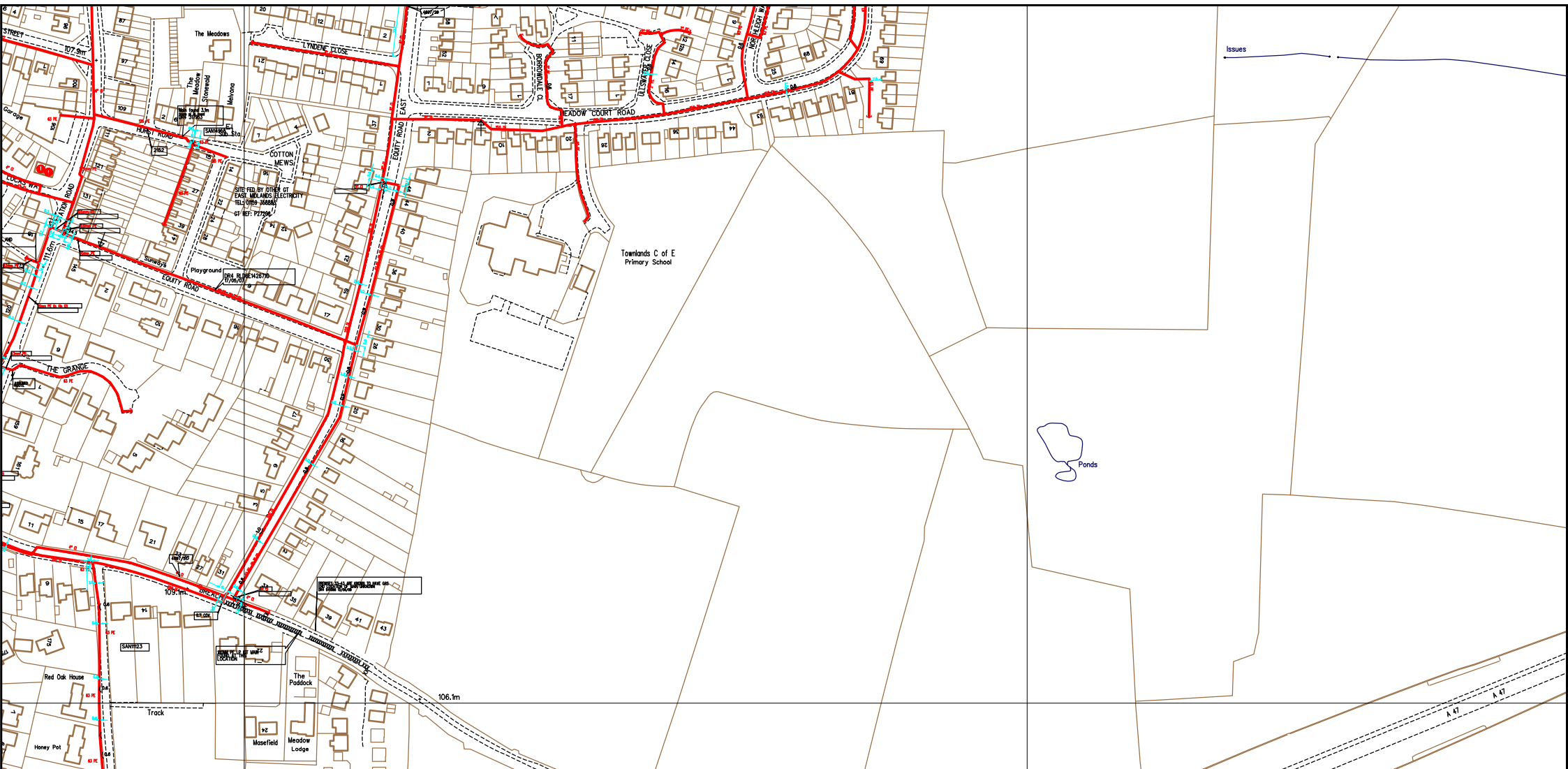
Some examples of Plant Items:

|       |                |        |         |                 |                 |                         |
|-------|----------------|--------|---------|-----------------|-----------------|-------------------------|
| Valve | Depth of Cover | Syphon | Manhole | Diameter Change | Material Change | Out of Standard Service |
|-------|----------------|--------|---------|-----------------|-----------------|-------------------------|

|           |  |
|-----------|--|
| LP MAINS  |  |
| MP MAINS  |  |
| IP MAINS  |  |
| LHP MAINS |  |

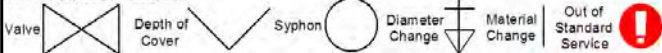
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|                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAPS Viewer Version 5.8.0.1                                                                                                                                   |
| Local Machine                                                                                                                                                 |
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|--------------------------|
| SCALE: Not to scale      |
| USER ID: James           |
| DATE: 13/03/2020         |
| EXTRACT DATE: 09/12/2019 |
| MAP REF: SP4697          |
| CENTRE: 446845, 297201   |

Some examples of Plant Items:



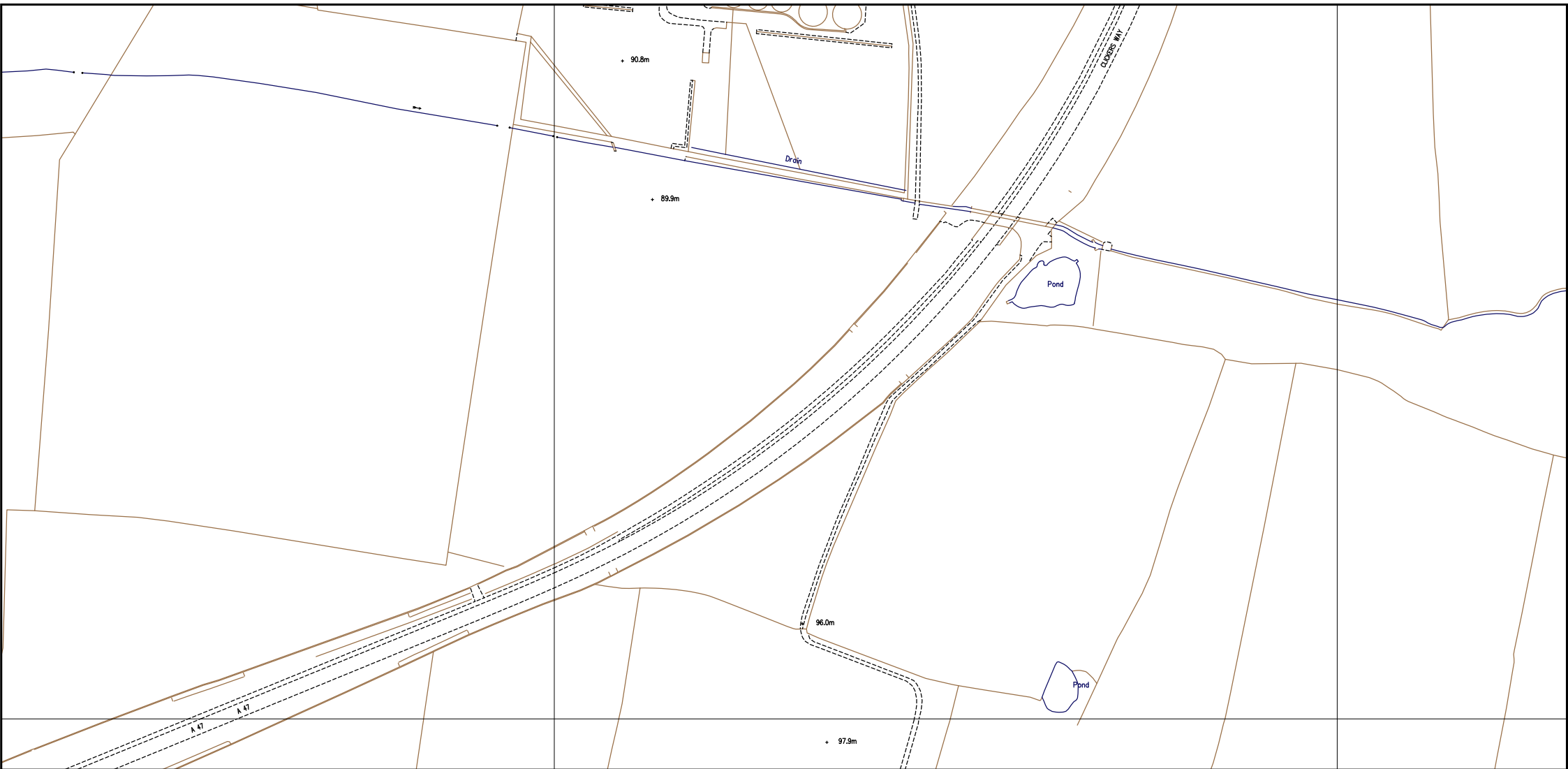
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MAPS Viewer Version 5.8.0.1

Local Machine

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|--------------------------|
| SCALE: Not to scale      |
| USER ID: James           |
| DATE: 13/03/2020         |
| EXTRACT DATE: 09/12/2019 |
| MAP REF: SP4797          |
| CENTRE: 447647, 297212   |

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|-----------|--|
| LP MAINS  |  |
| MP MAINS  |  |
| IP MAINS  |  |
| LHP MAINS |  |

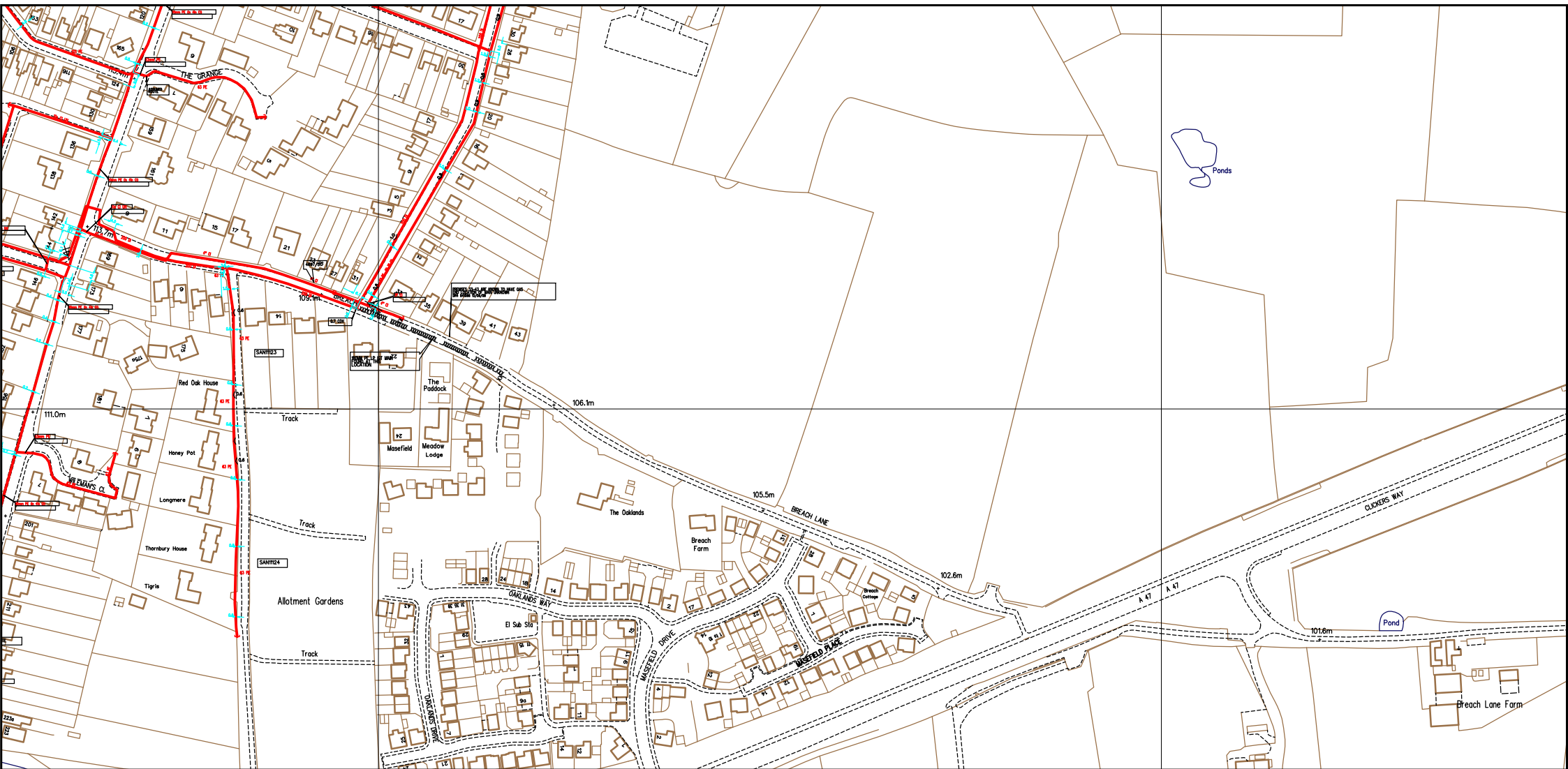
|       |  |                |  |        |  |                 |  |                 |  |                         |  |
|-------|--|----------------|--|--------|--|-----------------|--|-----------------|--|-------------------------|--|
| Valve |  | Depth of Cover |  | Syphon |  | Diameter Change |  | Material Change |  | Out of Standard Service |  |
|-------|--|----------------|--|--------|--|-----------------|--|-----------------|--|-------------------------|--|

This plan shows those pipes owned by Cadent Gas Ltd in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, 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 hereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Ltd or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.

MAPS Viewer Version 5.8.0.1

Local Machine

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|                          |
|--------------------------|
| SCALE: Not to scale      |
| USER ID: James           |
| DATE: 13/03/2020         |
| EXTRACT DATE: 09/12/2019 |
| MAP REF: SP4697          |
| CENTRE: 446759, 297014   |

Some examples of Plant Items:

|       |                |        |                 |                 |                         |
|-------|----------------|--------|-----------------|-----------------|-------------------------|
| Valve | Depth of Cover | Syphon | Diameter Change | Material Change | Out of Standard Service |
|-------|----------------|--------|-----------------|-----------------|-------------------------|

|           |  |
|-----------|--|
| LP MAINS  |  |
| MP MAINS  |  |
| IP MAINS  |  |
| LHP MAINS |  |

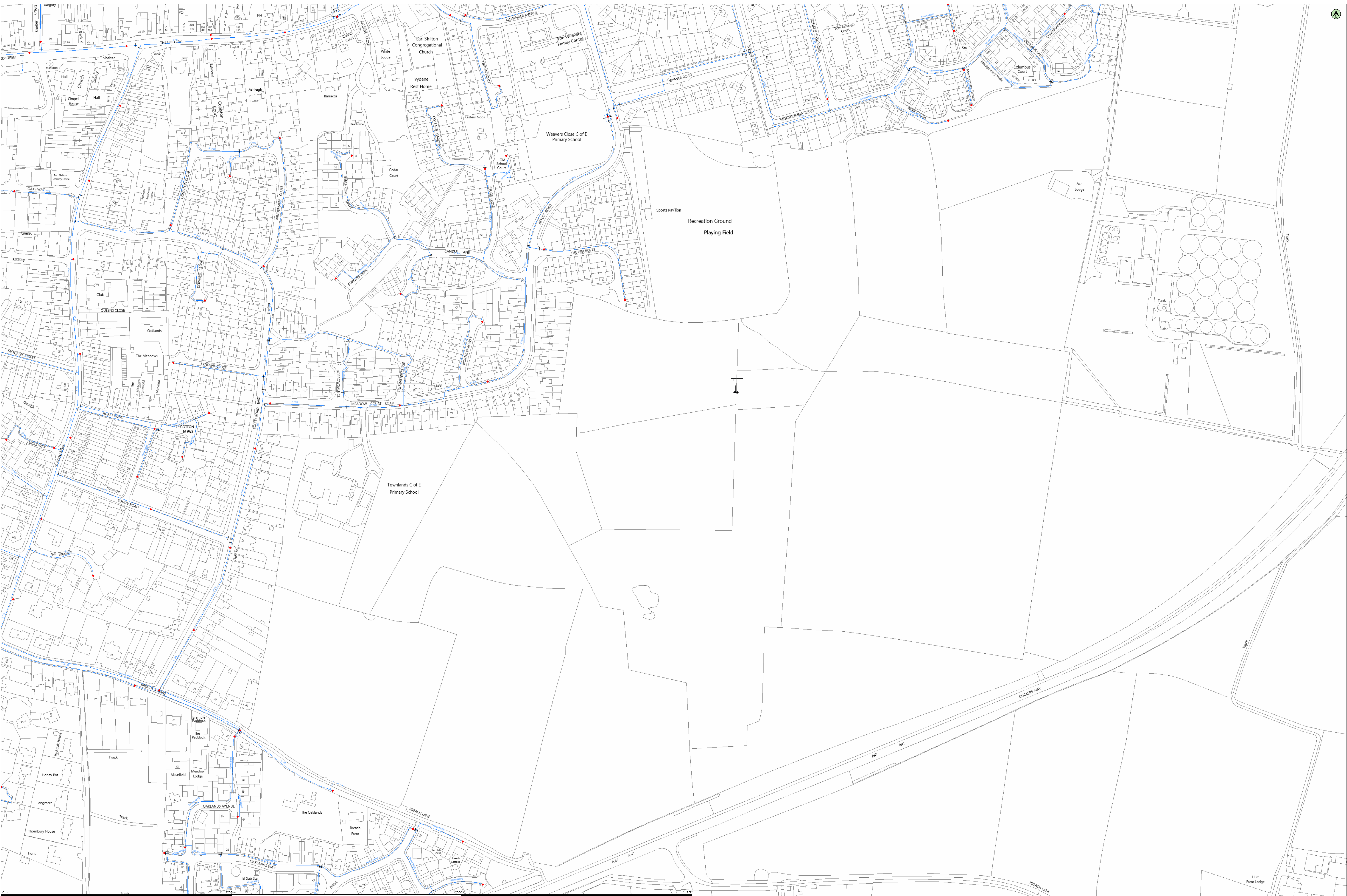
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|                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAPS Viewer Version 5.8.0.1                                                                                                                                   |
| Local Machine                                                                                                                                                 |
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# WATER









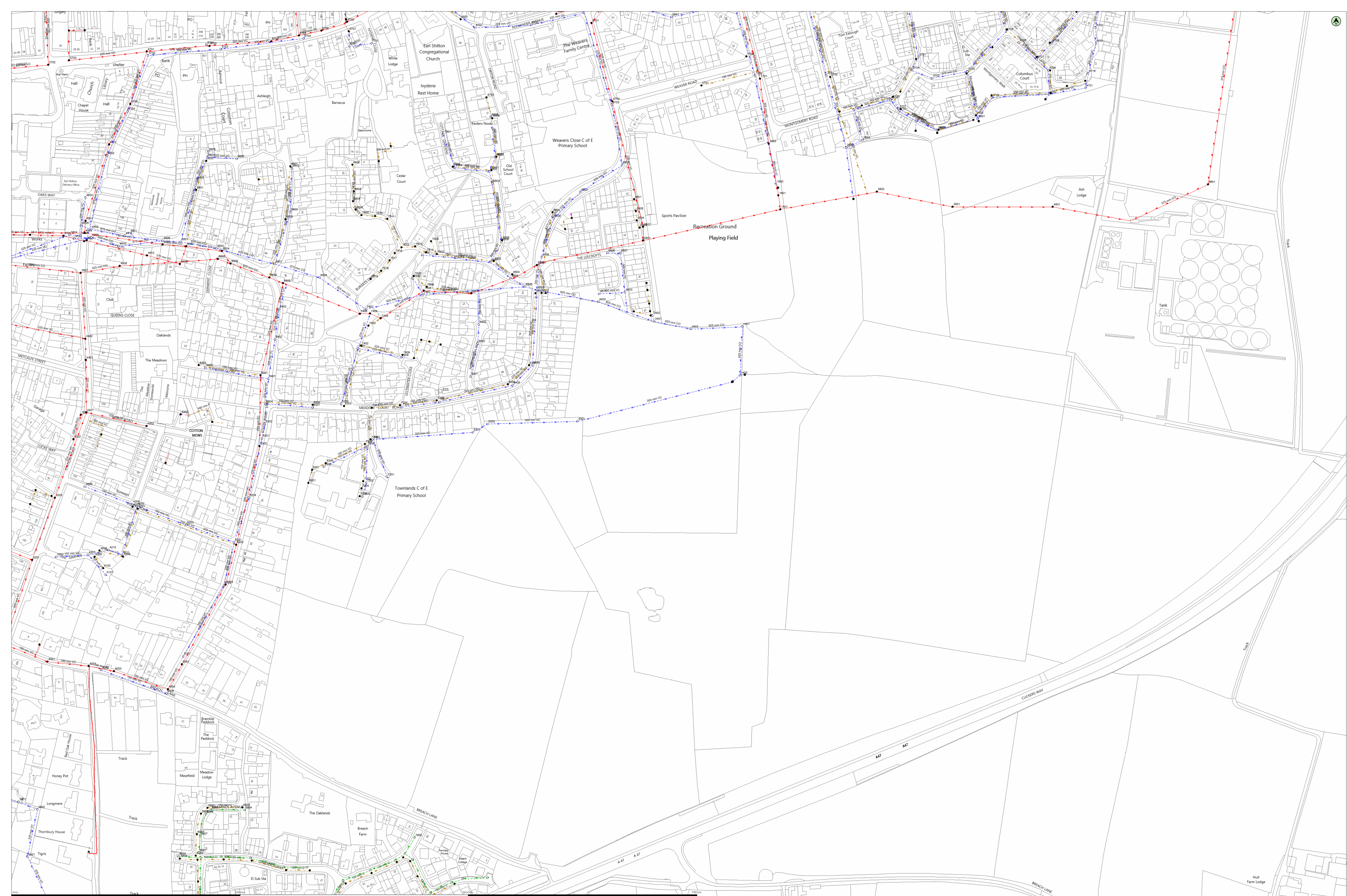






# SEWER





|  |        |
|--|--------|
|  | SEVERN |
|  | TRENT  |















BT



The map shows the proposed route for the Thurleston Lane Road Improvement Scheme. The route is marked with a thick black line, starting near Pigg Sta and running along Thurleston Lane. Key features include:

- Thurleston Lane:** The main road running horizontally across the top of the map.
- A47:** A major road running vertically through the center of the map.
- Landmarks:** Pigg Sta, The Elms, Marjot Farm, and Guide F.
- Other Roads:** Mill Lane, Union Mill Lane, and A47.
- Proposed Route:** Indicated by a thick black line with a red arrow pointing towards the start of the scheme near Pigg Sta.

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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.<br>BT Symbols not listed above may be disregarded.<br>Existing BT Plant may not be recorded.<br>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 : QHA12081D

Map Reference : (centre) SP4780297754

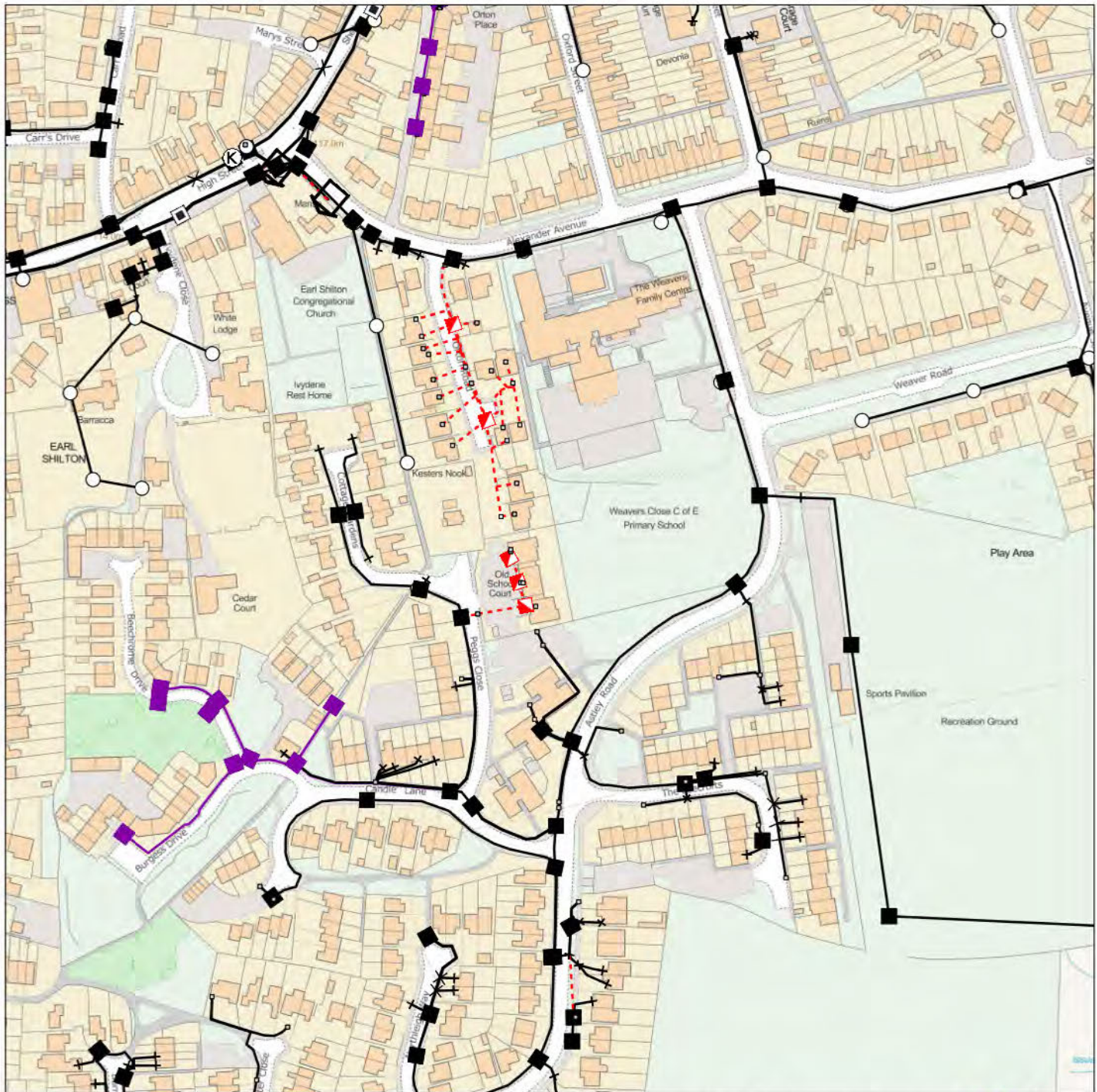
Easting/Northing : (centre) 447802,297754

Issued : 13/03/2020 12:09:07

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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 : HJL12097N

Map Reference : (centre) SP4688897652

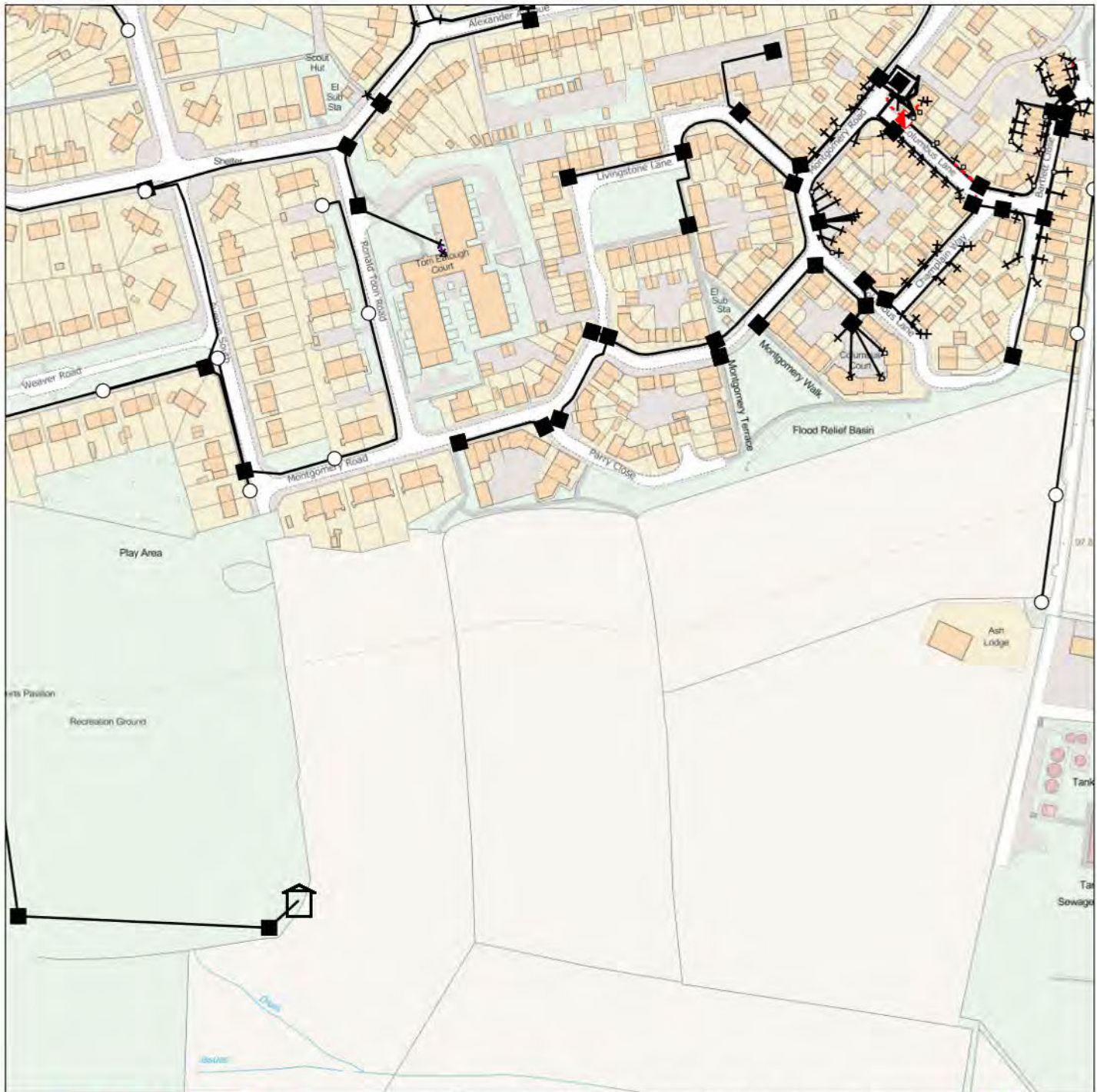
Easting/Northing : (centre) 446888,297652

Issued : 13/03/2020 12:09:55

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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 : HWR12102U

Map Reference : (centre) SP4728897652

Easting/Northing : (centre) 447288,297652

Issued : 13/03/2020 12:10:10

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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 : ZKX12103J

Map Reference : (centre) SP4768897652

Easting/Northing : (centre) 447688,297652

Issued : 13/03/2020 12:10:33

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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 : FEL12105L

Map Reference : (centre) SP4808897652

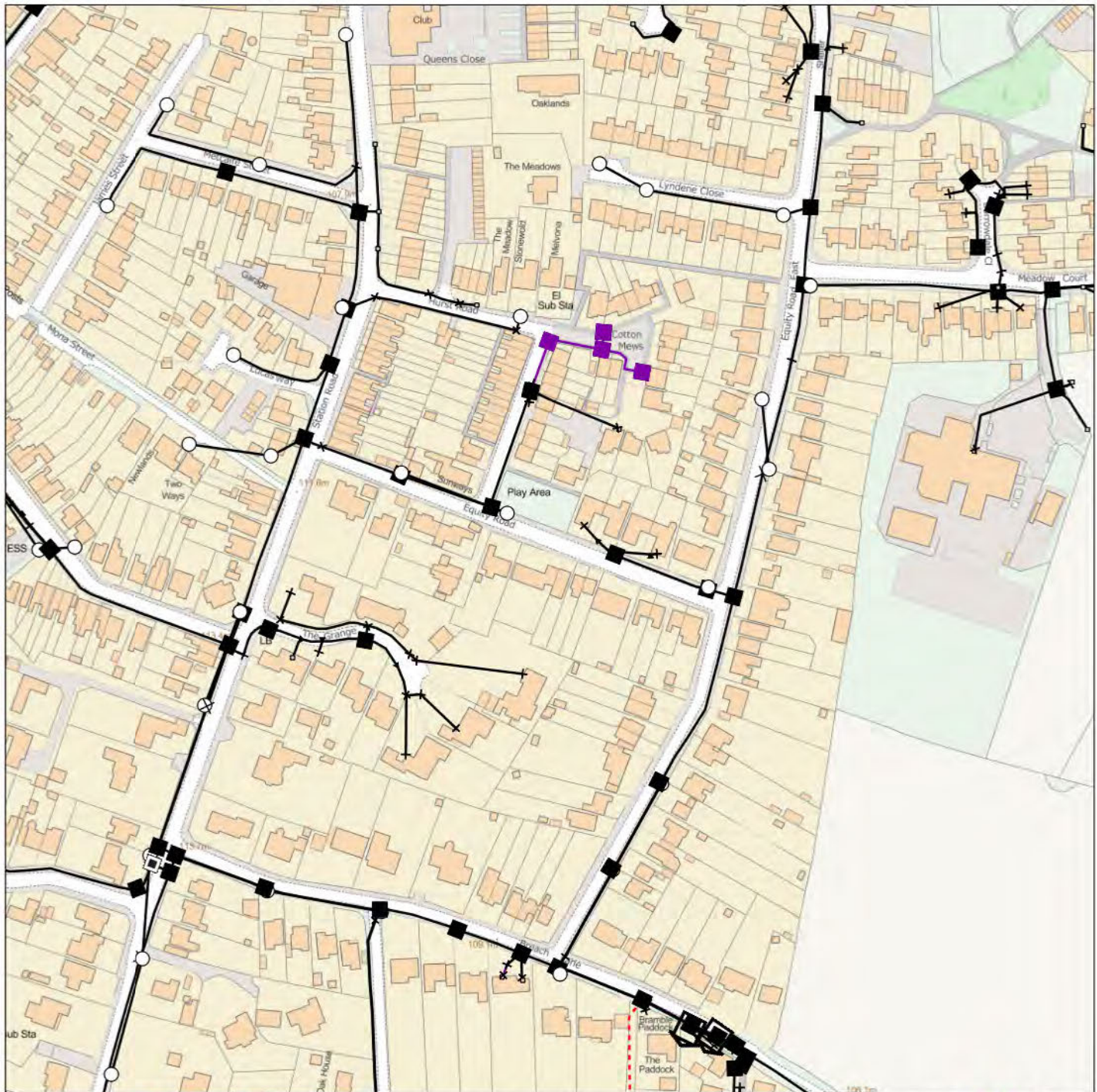
Easting/Northing : (centre) 448088,297652

Issued : 13/03/2020 12:10:46

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# Maps by email Plant Information Reply



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## KEY TO BT SYMBOLS

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

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BT Ref : CGW12114X

Map Reference : (centre) SP4648897252

Easting/Northing : (centre) 446488,297252

Issued : 13/03/2020 12:11:59

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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.<br>BT Symbols not listed above may be disregarded.<br>Existing BT Plant may not be recorded.<br>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 : TRU12126X

Map Reference : (centre) SP4688897252

Easting/Northing : (centre) 446888,297252

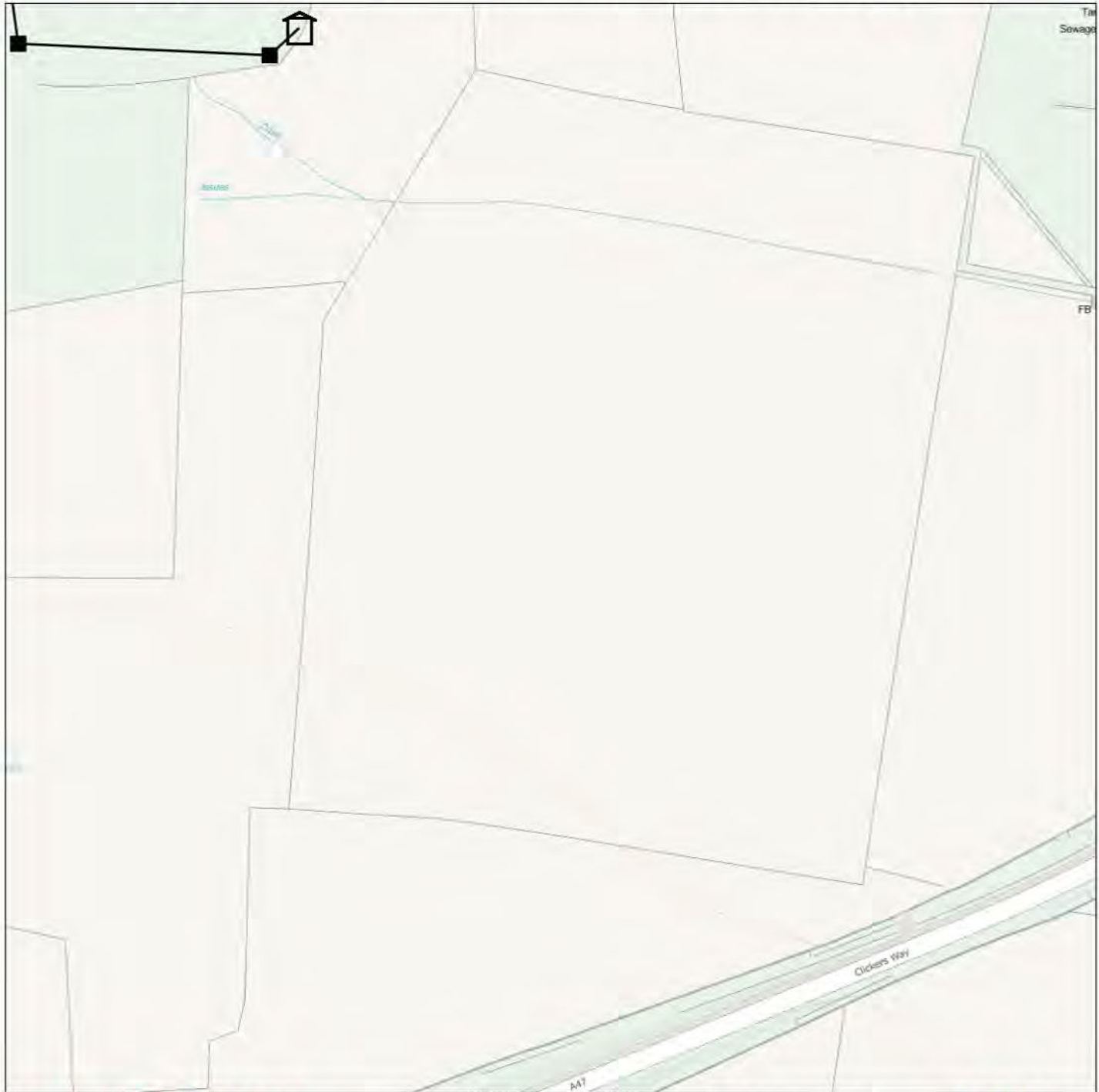
Issued : 13/03/2020 12:12:27

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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 : HDW12124V

Map Reference : (centre) SP4728897252

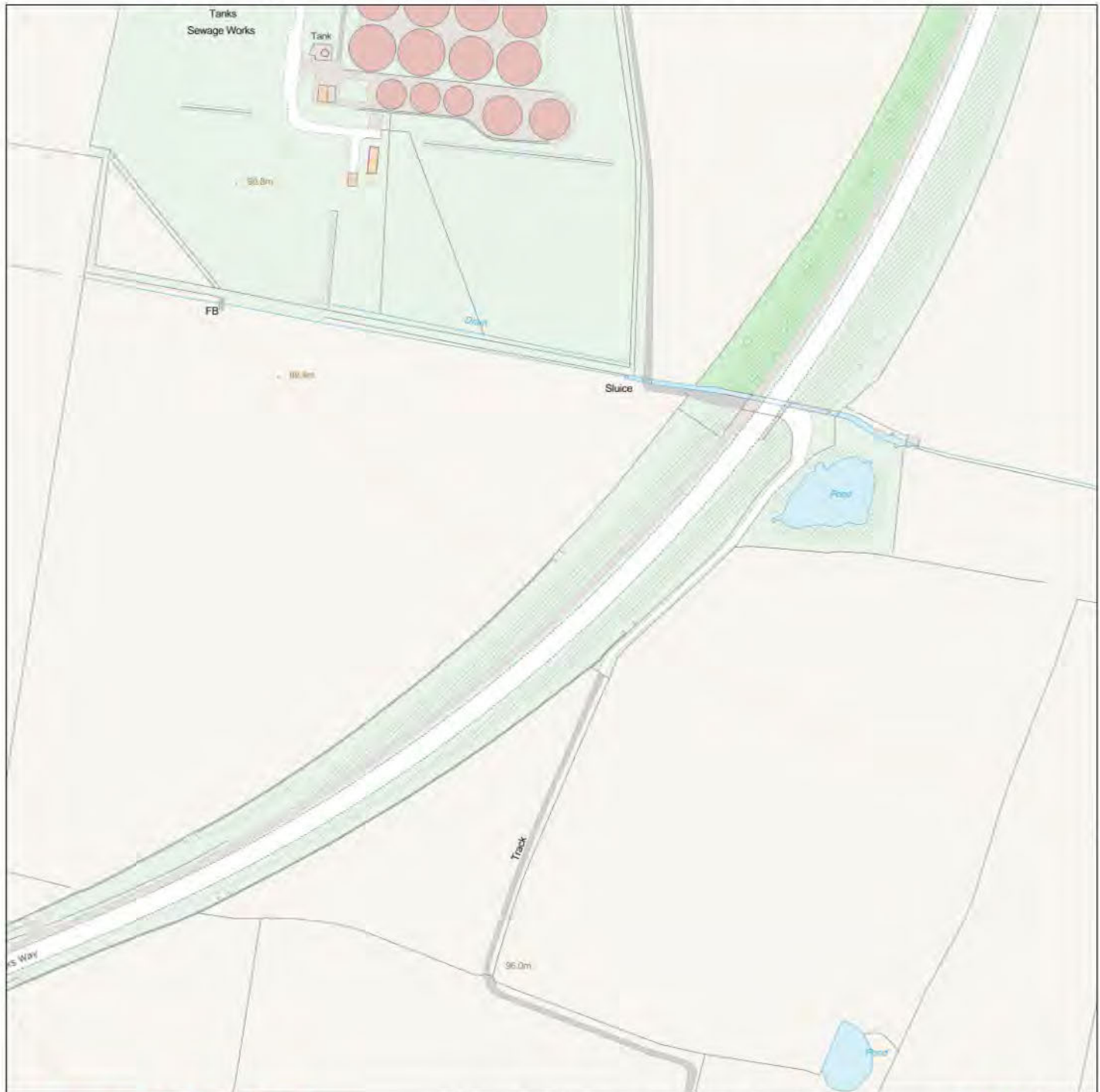
Easting/Northing : (centre) 447288,297252

Issued : 13/03/2020 12:13:03

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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.<br>BT Symbols not listed above may be disregarded.<br>Existing BT Plant may not be recorded.<br>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 : OJO12135U

Map Reference : (centre) SP4768897252

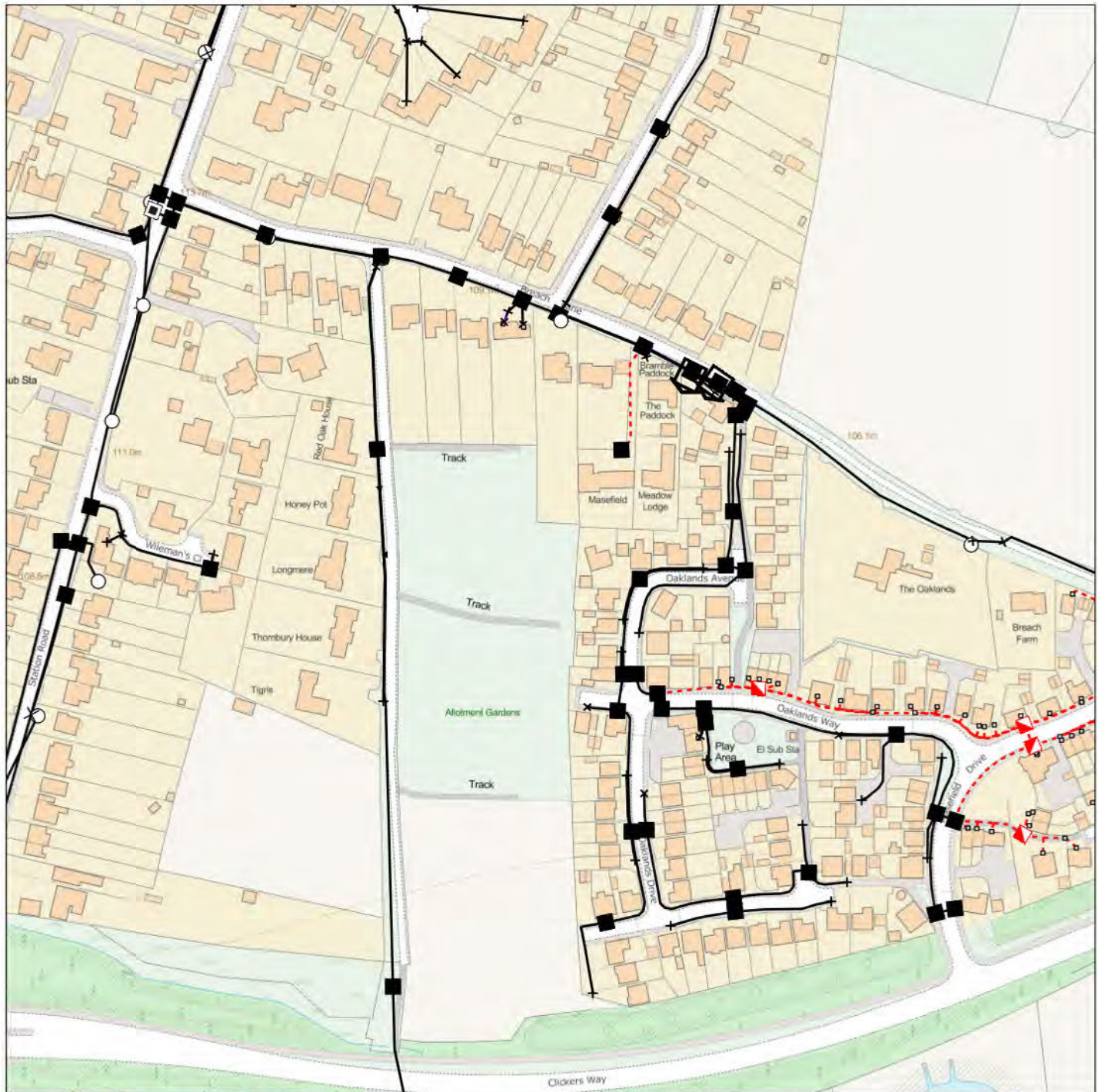
Easting/Northing : (centre) 447688,297252

Issued : 13/03/2020 12:13:22

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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.<br>BT Symbols not listed above may be disregarded.<br>Existing BT Plant may not be recorded.<br>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 : GAR12139P

Map Reference : (centre) SP4648896952

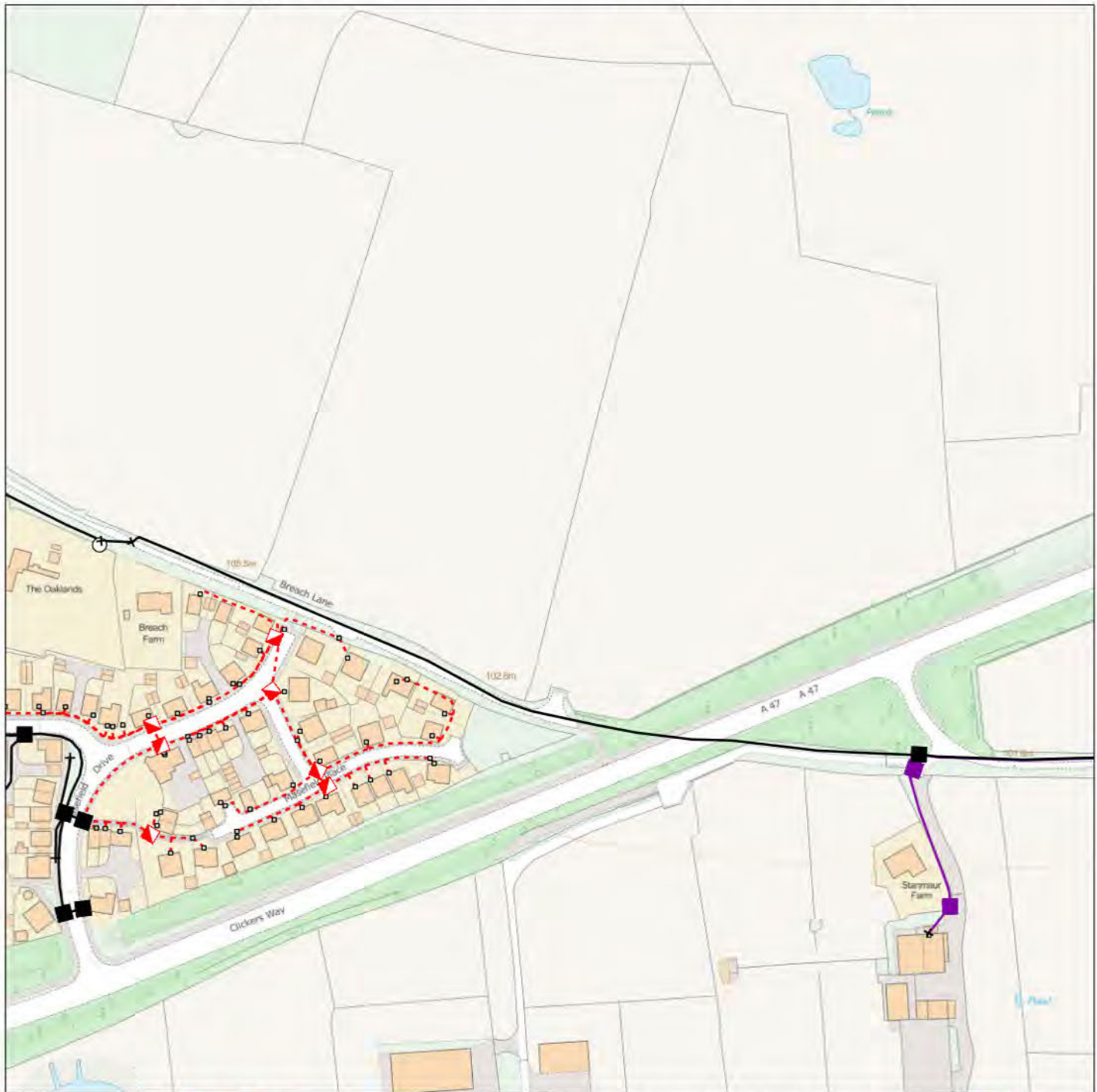
Easting/Northing : (centre) 446488,296952

Issued : 13/03/2020 12:13:49

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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 : HUI12159F

Map Reference : (centre) SP4688896952

Easting/Northing : (centre) 446888,296952

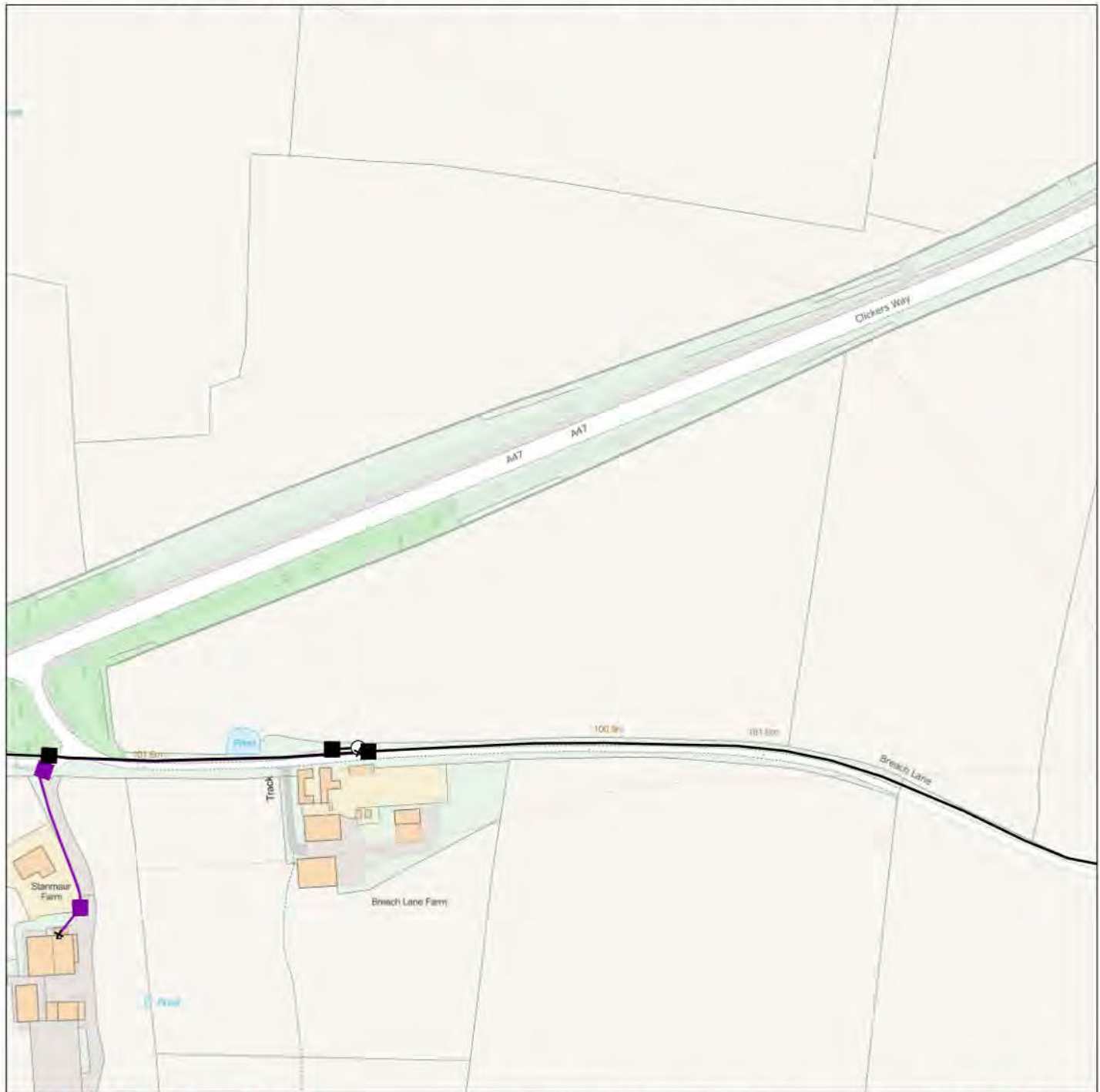
Issued : 13/03/2020 12:15:46

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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 : EGT12165T

Map Reference : (centre) SP4728896952

Easting/Northing : (centre) 447288,296952

Issued : 13/03/2020 12:16:16

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# ELECTRIC



## Contact Us

Mapping Enquiries:  
All areas 0121 623 9780

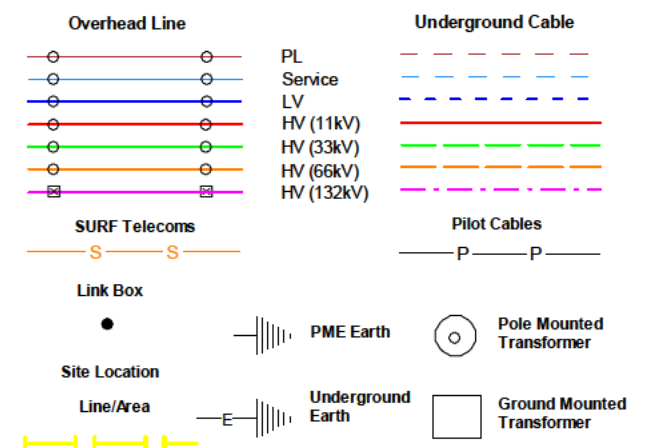
General Enquiries:  
All areas 0800 096 3080

**Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA  
0800 6783 105**

Date Requested: 13/03/2020  
Job Reference: 17959939  
Site Location: 447258 297528  
Requested by: Mr Duncan Phillips  
Your Scheme/Reference: 42523

## IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed. Services or recent additions to the network may not be shown.
- Cables, overhead lines & substations owned by other electricity network owners or private companies may be present and may not be shown.
- You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47.
- When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.
- For further advice on working near our electricity cables or lines, call our Contact Centre on 0800 096 3080.
- Advice should be sought from the Western Power Distribution Contact Centre for any work that is to take place in proximity to 66kV or 132kV underground cables and 66kV 132kV overhead lines – 0800 096 3080



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OVERVIEW



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### General Enquiries:

All areas 0800 096 3080

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0800 6783 105**

Date Requested: 13/03/2020

Job Reference: 17959939

Site Location: 447258 297528

Requested by: Mr Duncan Phillips

Your Scheme/Reference: 42523

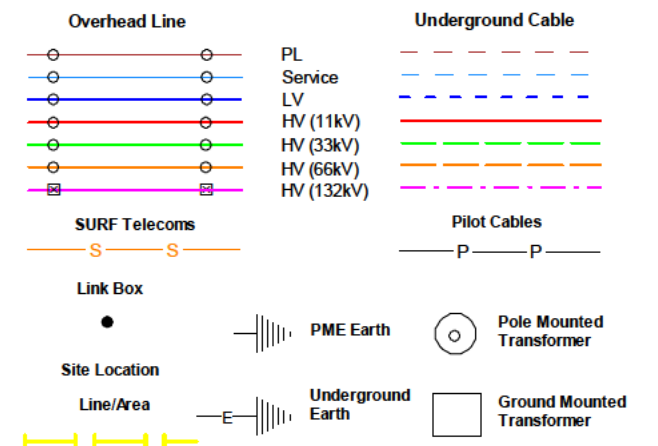
Exact Scales:

1:1250 Area or Circle dig site

1:500 Line dig site

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## Contact Us

### Mapping Enquiries:

All areas 0121 623 9780

### General Enquiries:

All areas 0800 096 3080

**Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA  
0800 6783 105**

Date Requested: 13/03/2020

Job Reference: 17959939

Site Location: 447258 297528

Requested by: Mr Duncan Phillips

Your Scheme/Reference: 42523

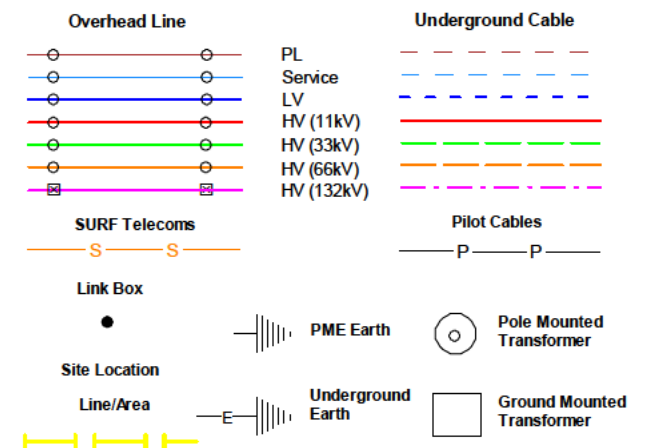
Exact Scales:

1:1250 Area or Circle dig site

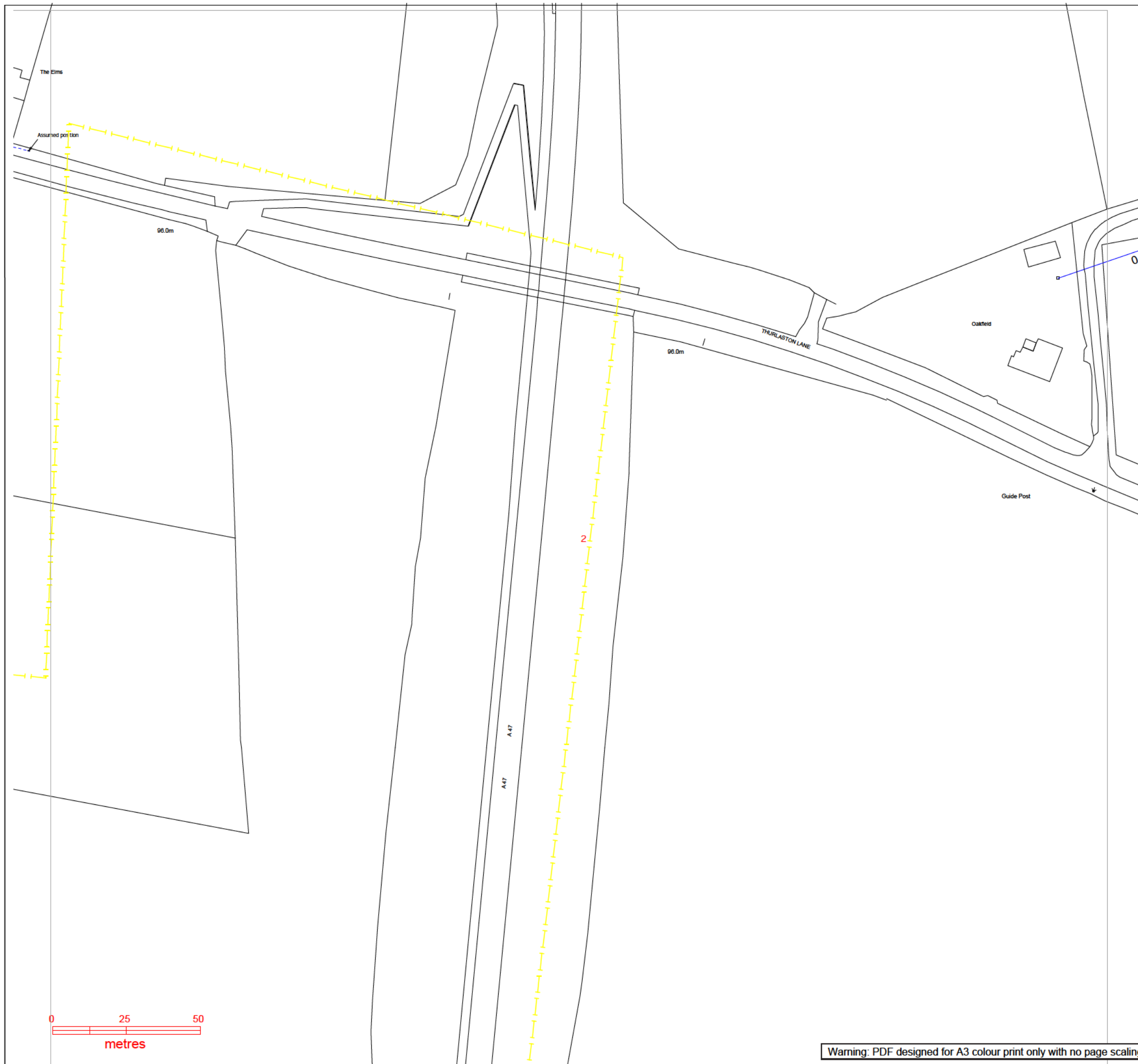
1:500 Line dig site

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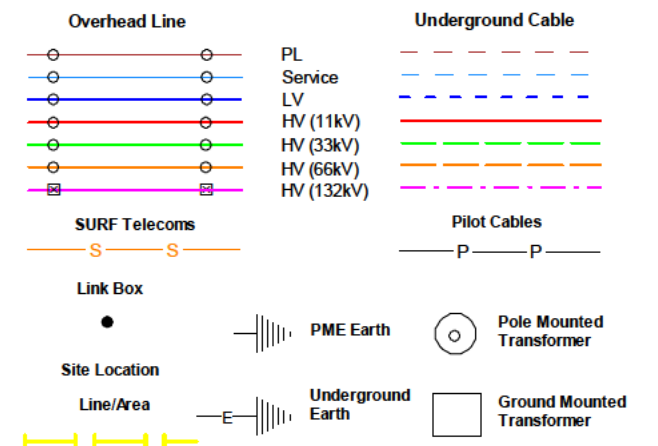
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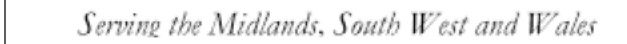
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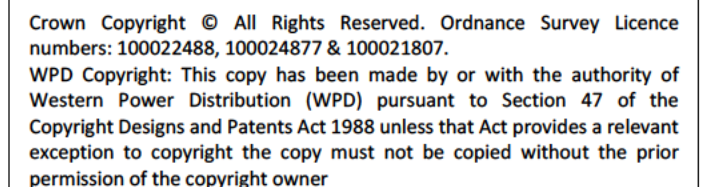




0800 096 3080

1:500 Line dig site

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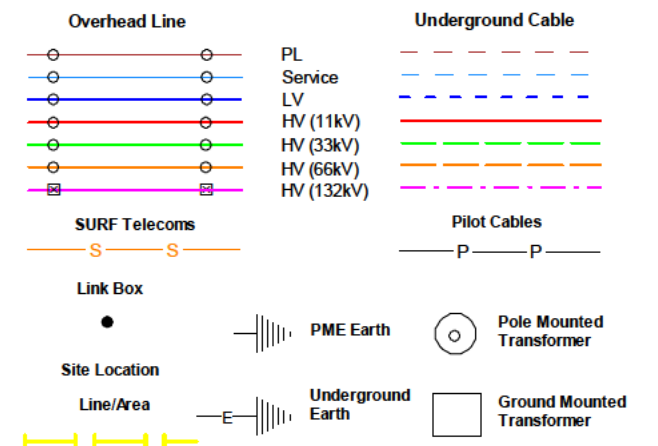
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1:1250 Area or Circle dig site

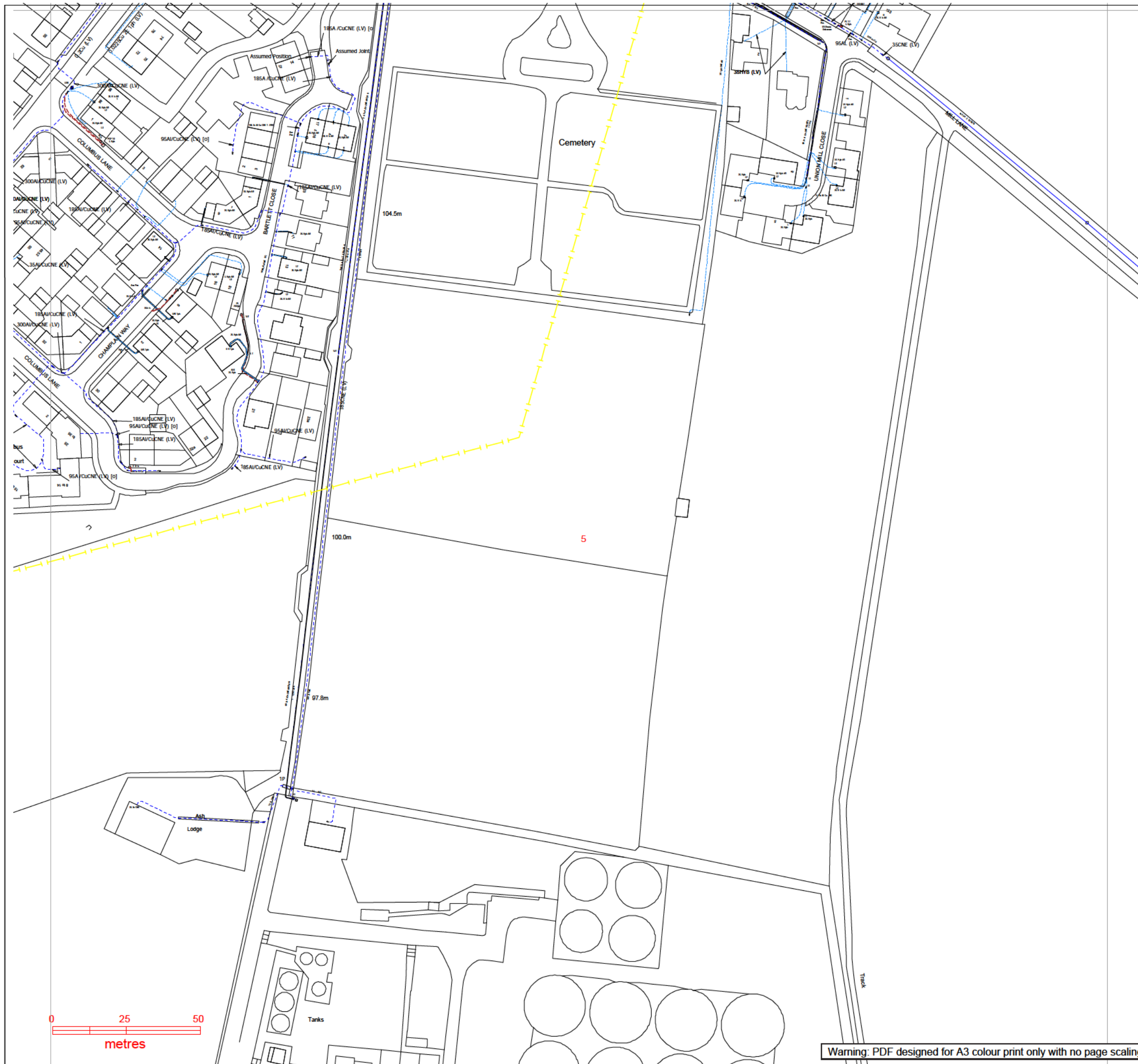
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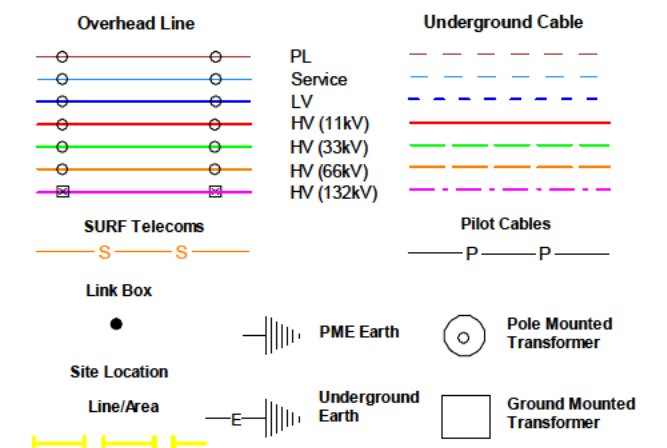
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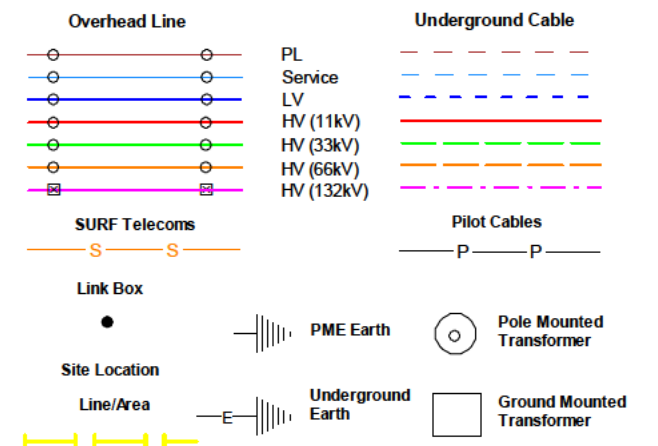
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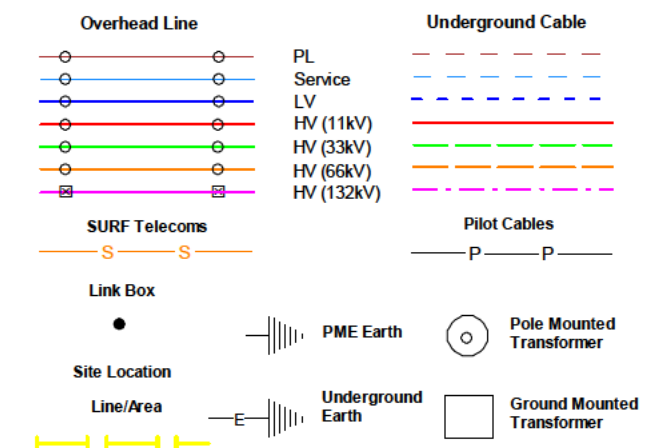
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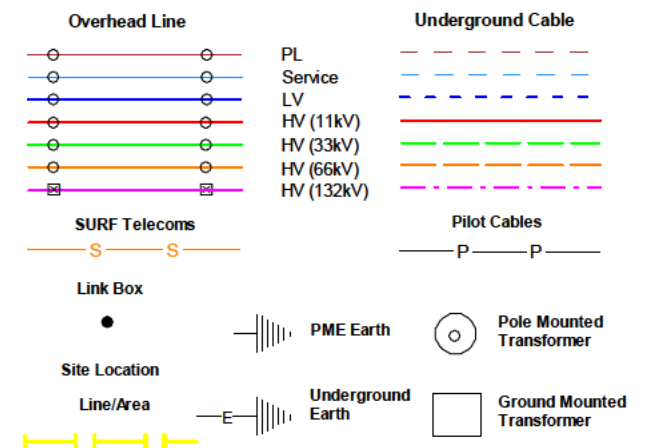
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0 25 50  
metres

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9

Issues

Drain



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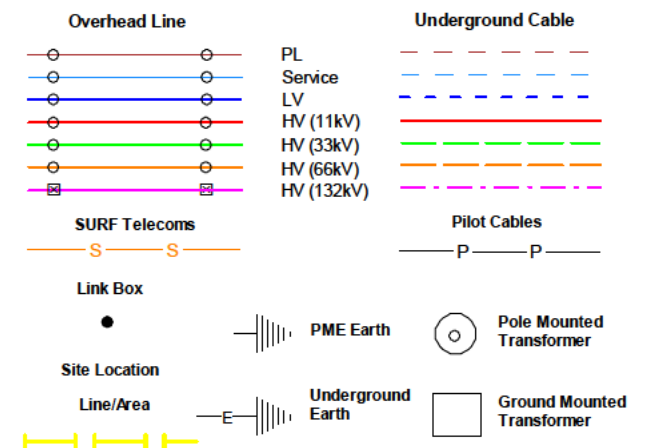
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Tanks  
Sewage Works

Tank

90.8m

FB

Drain

10

89.9m

Sluice

0 25 50  
metres



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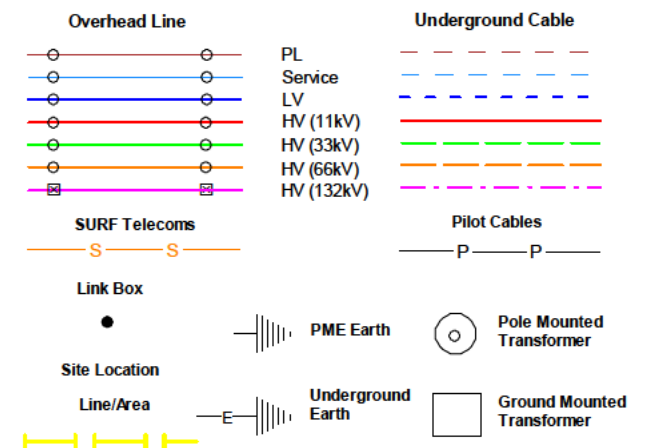
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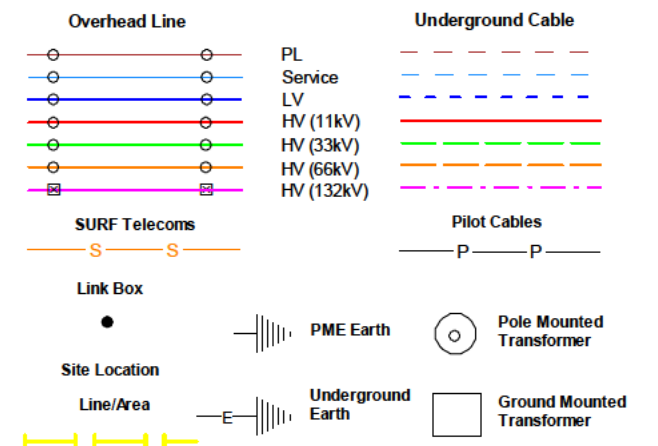
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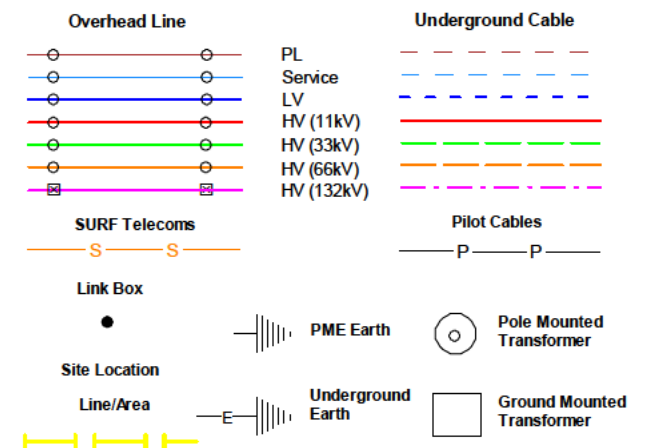
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13

metres



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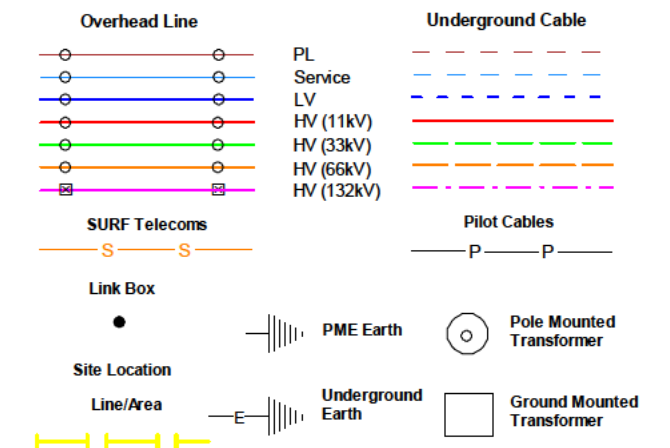
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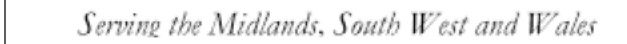
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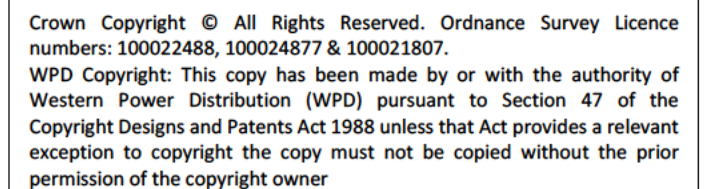
|           |               |
|-----------|---------------|
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|-----------|---------------|

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15

Track:

98.0m

97.9m

98.5m

Farm Lodge

97.2m

0 25 50

metres

50ACSR (11KV)

BREACH LANE



# THIRD PARTY SEARCHES



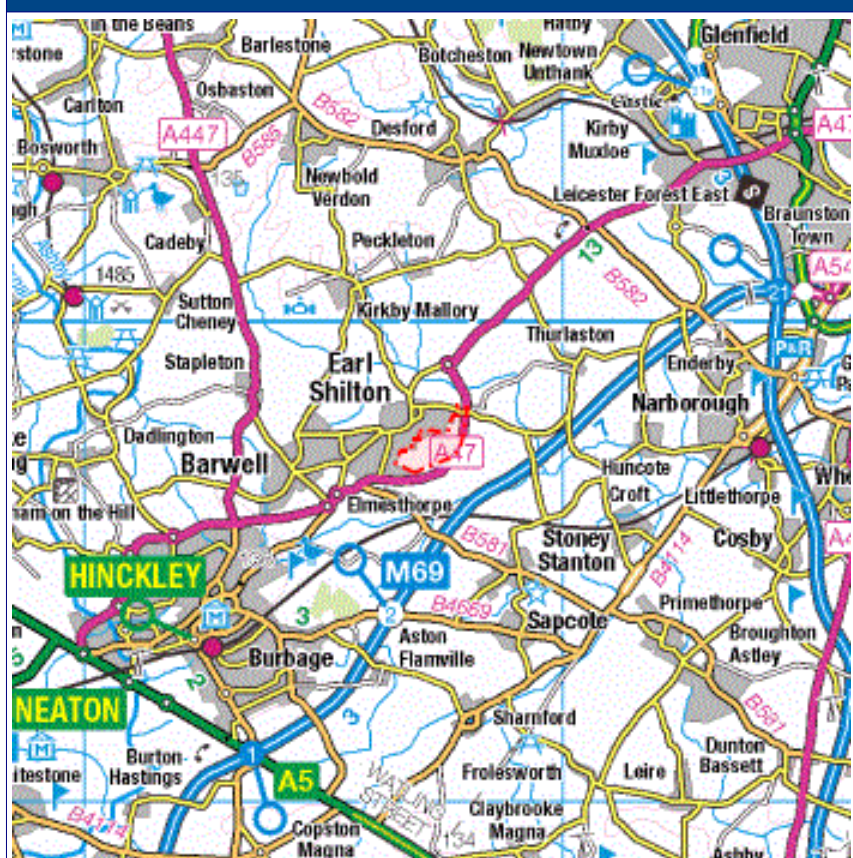
**Enquirer**

|         |                                                    |        |              |
|---------|----------------------------------------------------|--------|--------------|
| Name    | Mr Duncan Phillips                                 | Phone  | 01516325142  |
| Company | Cornerstone Projects                               | Mobile | Not Supplied |
| Address | 91 Market Street<br>Hoylake Merseyside<br>CH47 5AA |        |              |
| Email   | searches@cornerstoneprojects.co.uk                 |        |              |

**Enquiry Details**

|                      |                    |                   |                       |
|----------------------|--------------------|-------------------|-----------------------|
| Scheme/Reference     | 42523              |                   |                       |
| Enquiry type         | Initial Enquiry    | Work category     | Development Projects  |
| Start date           | 14/04/2020         | Work type         | Commercial/industrial |
| End date             | 14/04/2020         | Site size         | 904652 metres square  |
| Searched location    | XY= 447268, 297522 | Work type buffer* | 25 metres             |
| Confirmed location   | 447456 297529      |                   |                       |
| Site Contact Name    | Not Supplied       | Site Phone No     | Not Supplied          |
| Description of Works | Not Supplied       |                   |                       |

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

**Site Map**




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

### List of affected LSBUD members

| Asset Owner                | Phone/Email | Emergency Only | Status         |
|----------------------------|-------------|----------------|----------------|
| ESP Utilities Group        | 01372227560 | 01372227560    | Await response |
| Fulcrum Pipelines Limited  | 03330146455 | 0800111999     | Await response |
| Western Power Distribution | 08000963080 | 08006783105    | Await response |

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

### List of not affected LSBUD members

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



# CABLE

## Searches - Cornerstone Projects Ltd

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**From:** Dileep, Shaik [REDACTED]  
**Sent:** 16 March 2020 11:05  
**To:** Searches - Cornerstoneprojects.co.uk  
**Subject:** RE: Plant Enquiries - Site Ref. 42523 Earl Shilton  
**Attachments:** Shilton.pdf; Special Requirements.pdf

Please accept this email as confirmation that Vodafone: Fixed does have apparatus within the vicinity of your proposed works.

Please see attached network information.

**Note:** Only affected parts are printed and our network is not present in the remaining areas of your proposed works.

**IMPORTANT - PLEASE READ = Your Next Step?:-**

Where apparatus is affected and requires diversion, please send all the scheme related proposals that affects the Vodafone Network to [c3requests@vodafone.com](mailto:c3requests@vodafone.com) with a request for a 'C3 Budget Estimate'. Please ensure you include a plan showing proposed works. (A location plan is insufficient for Vodafone to provide a costing). These estimates will be provided by Vodafone directly, 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). Diversionary works may be necessary if the existing line of the highway/railway or its levels are altered.

If you require a quote for new development, commercial site connections - please email your requirements and associated plans to [c3requests@vodafone.com](mailto:c3requests@vodafone.com) and a budget estimate will be returned, within 10 working days of receipt

Kind regards

Plant Enquiries Team  
T: 01454 662881  
E: [osm.enquiries@atkinsglobal.com](mailto:osm.enquiries@atkinsglobal.com)

**ATKINS** working on behalf of Vodafone: Fixed



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

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



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