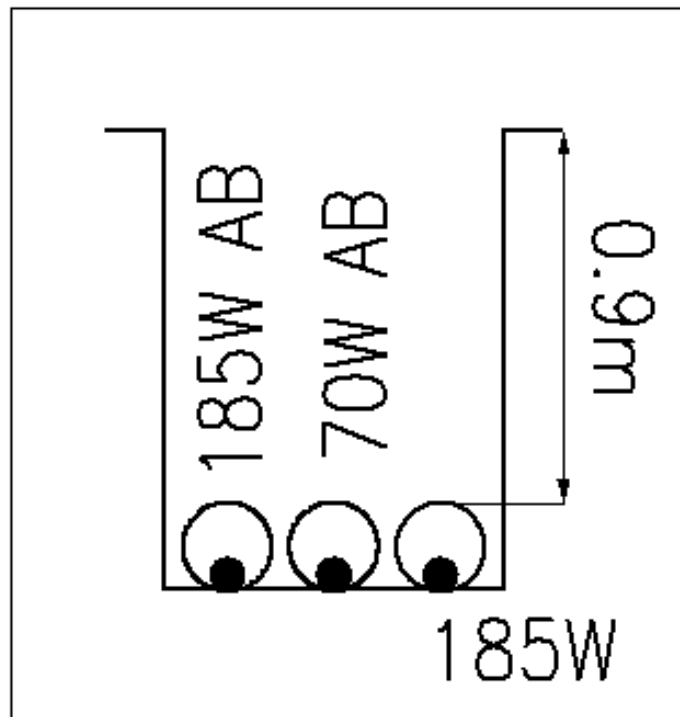


Cross Section
D

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Cross Section : E



Cross Section E

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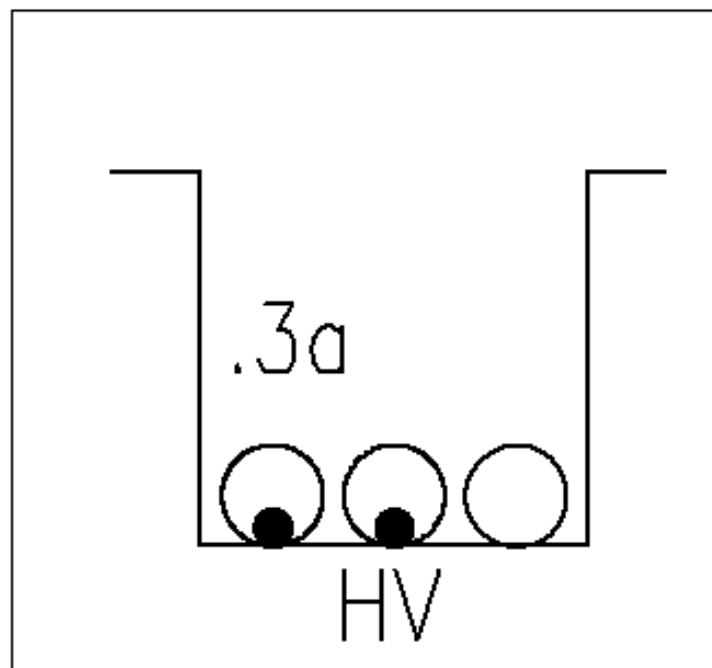
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■ ■ Cross Section : I

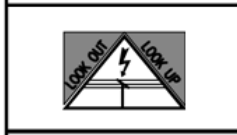


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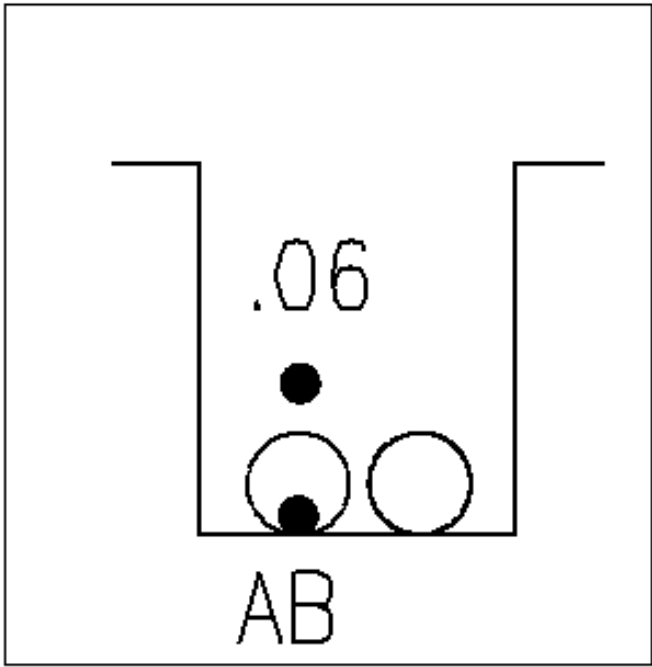
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Cross Section : Q



Cross Section
Q

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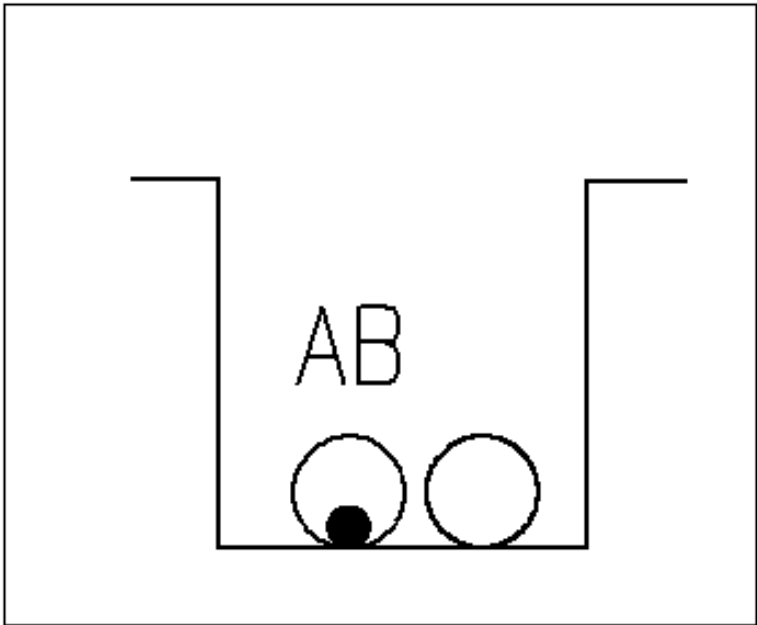
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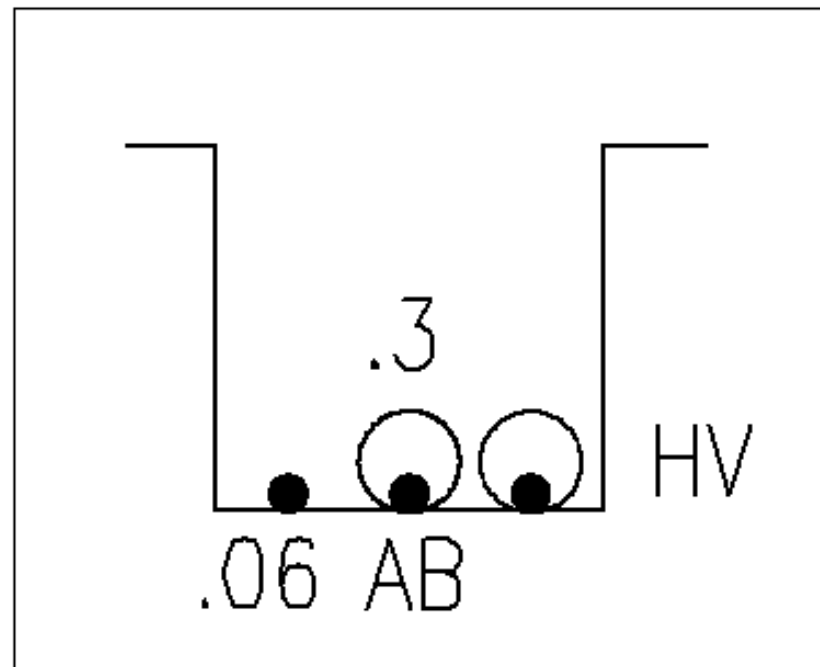
Cross Section : P



Cross Section
P

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Cross Section : N



Cross Section N

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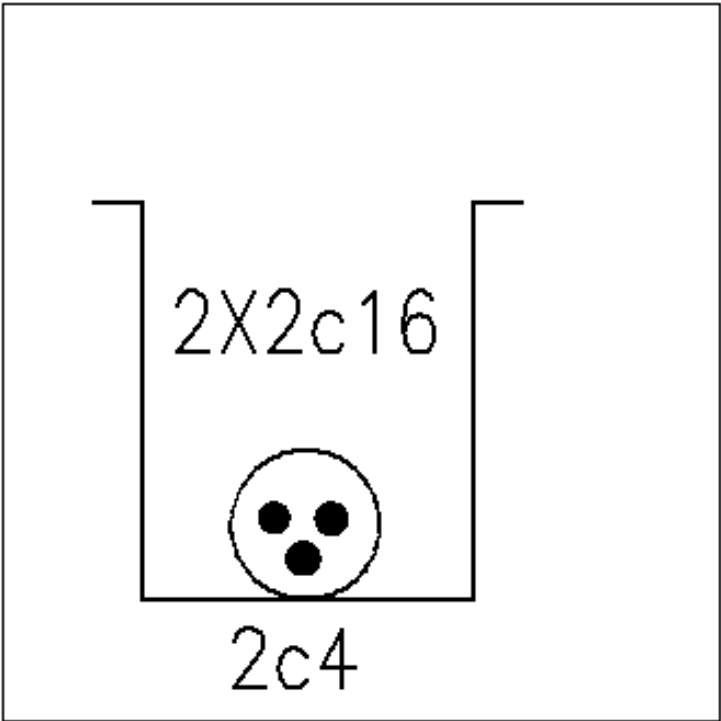
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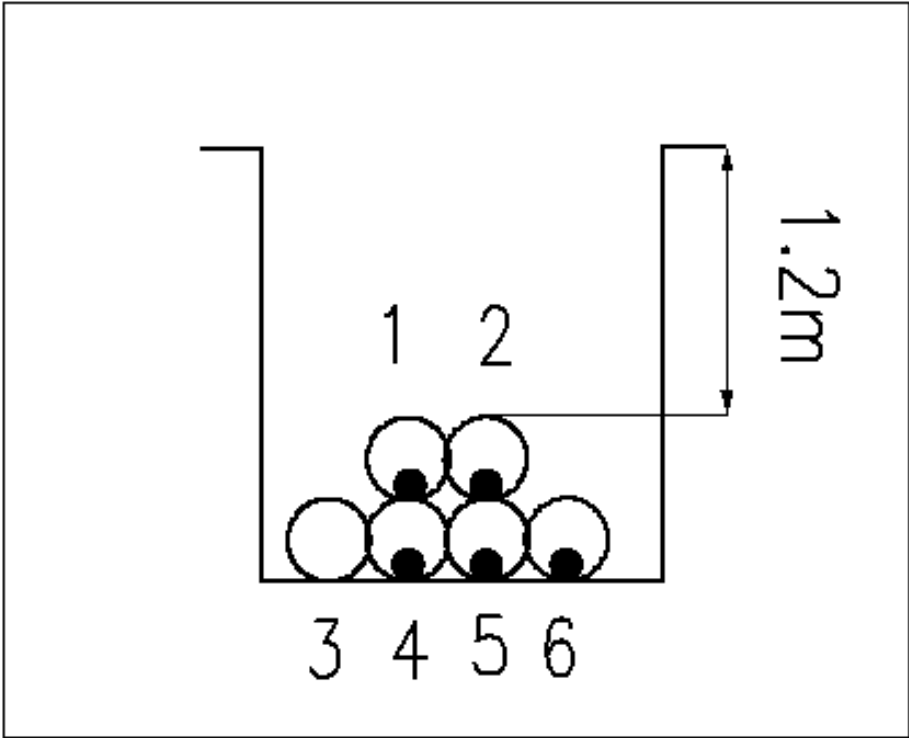
Cross Section : E





Cross Section
E

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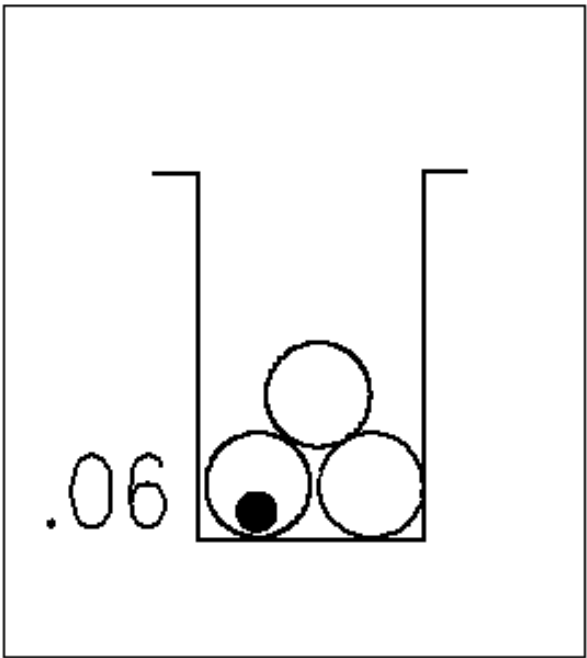
Cross Section : D





Cross Section
D

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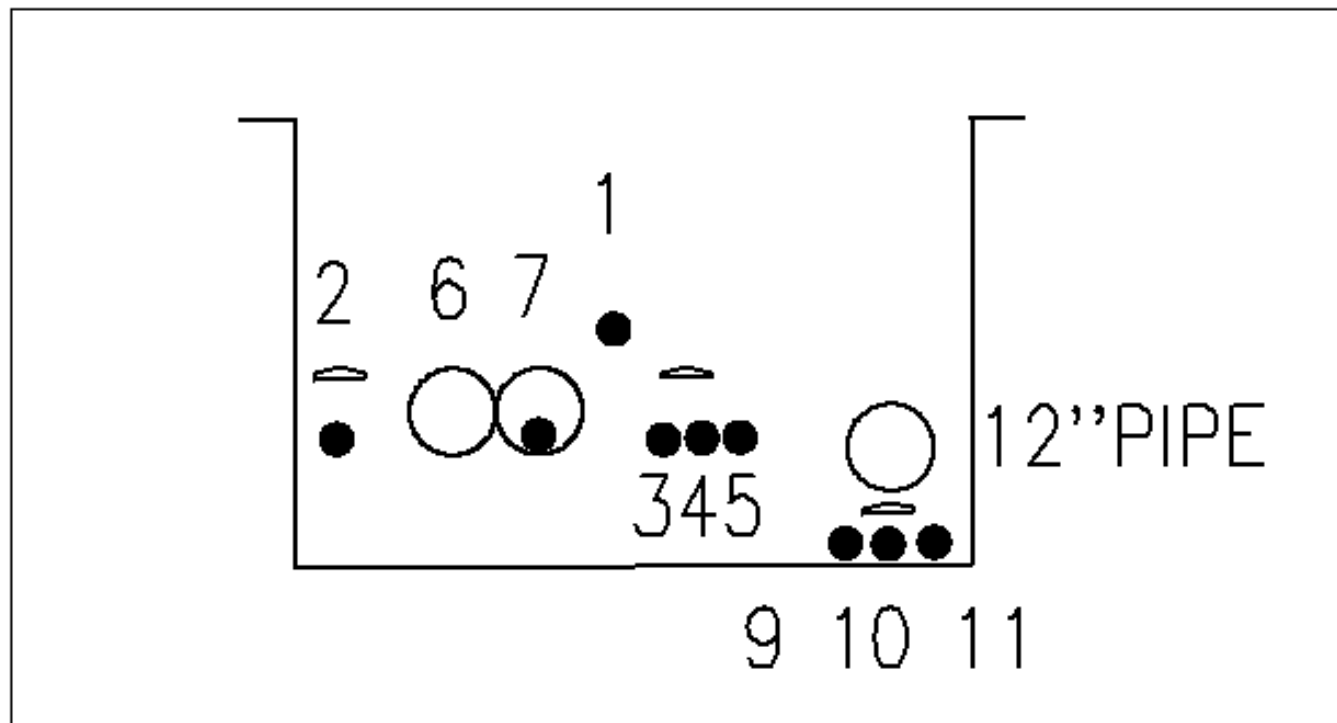
Cross Section : A



Cross Section
A

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Cross Section : D



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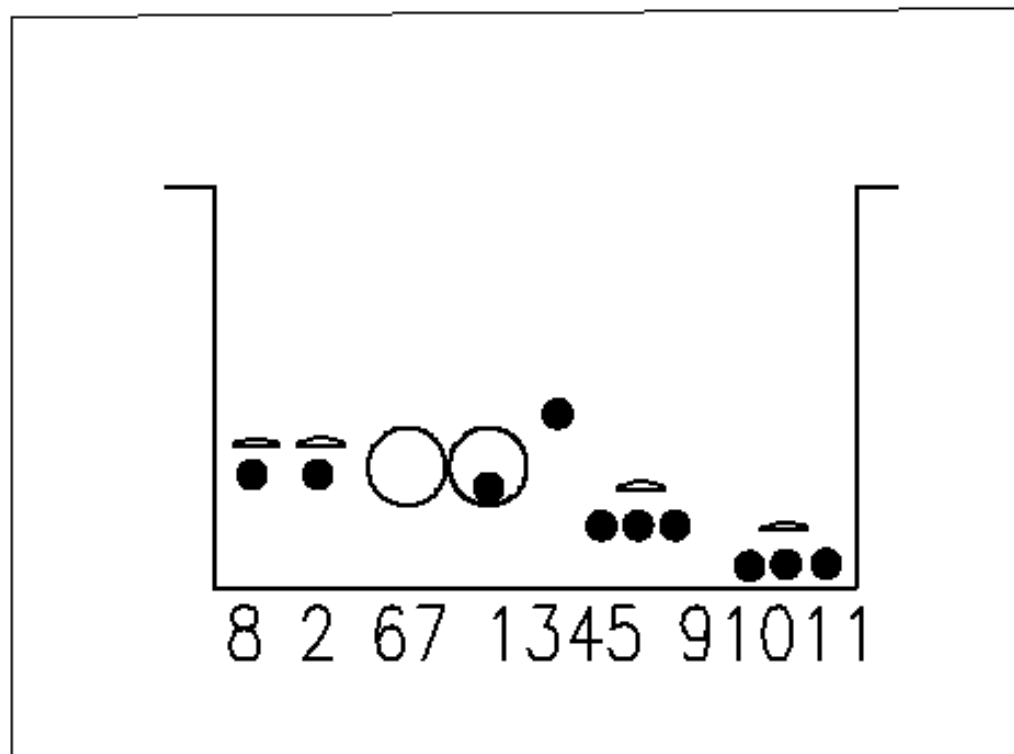
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Cross Section : C



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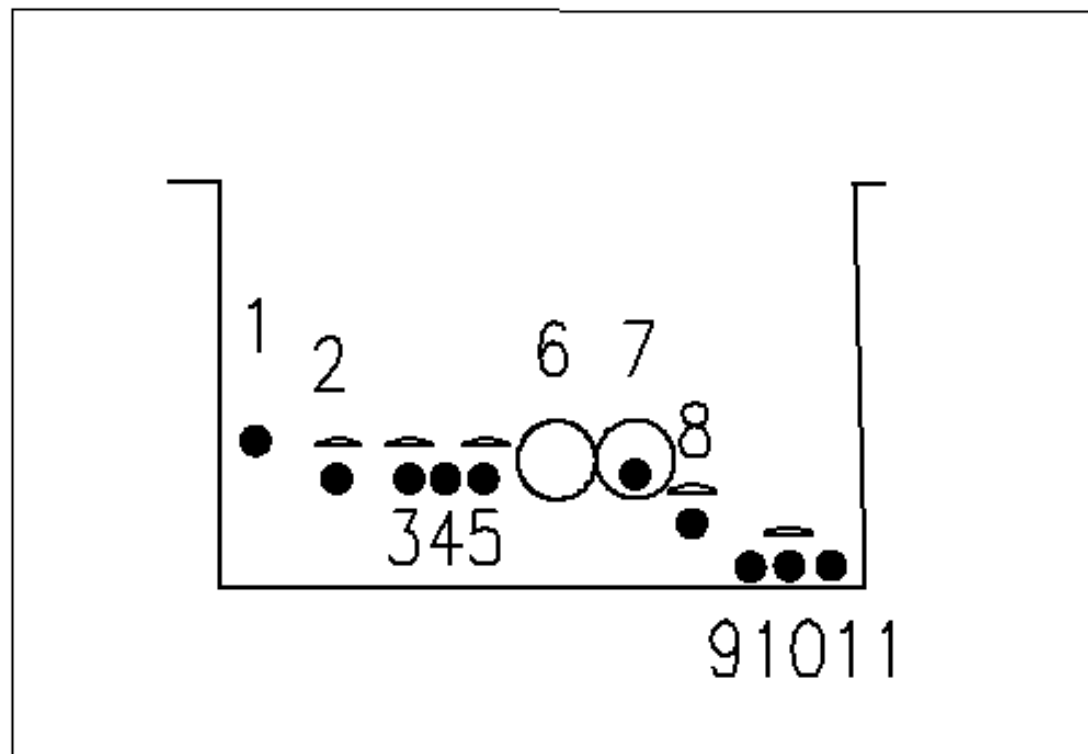
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0800 056 5866
EMERGENCY - If you damage
a cable or line
Phone 0800 783 8838 (24hrs)
URGENTLY



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Cross Section : B



Cross Section B

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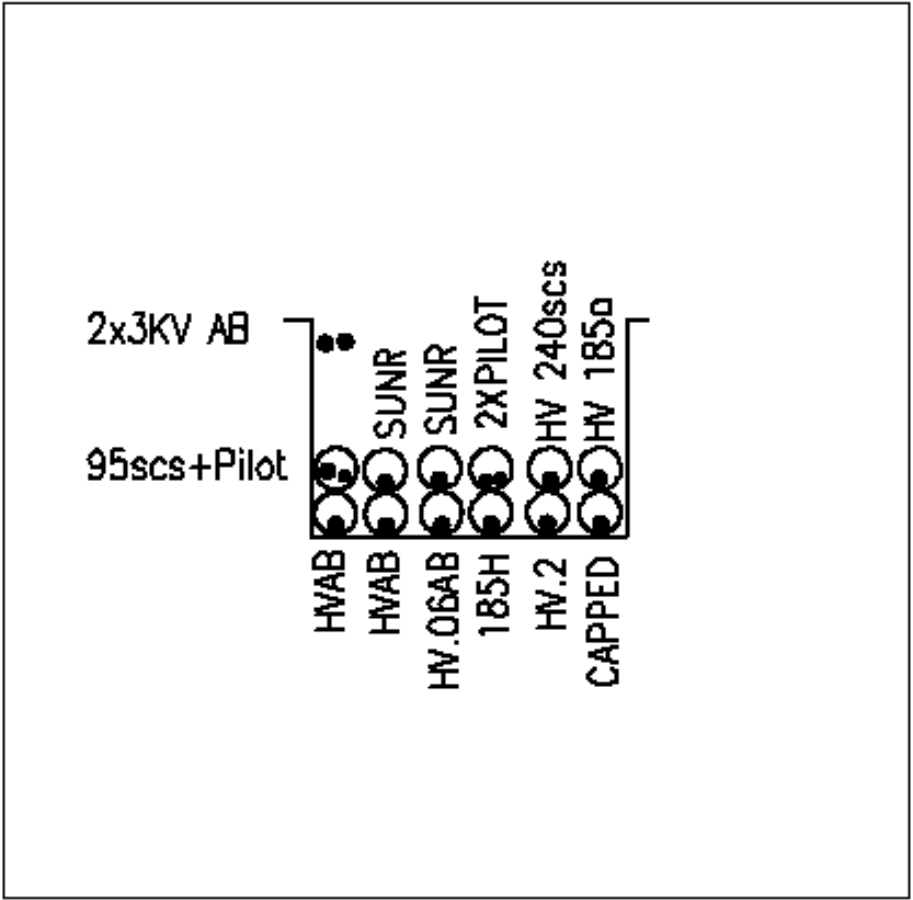
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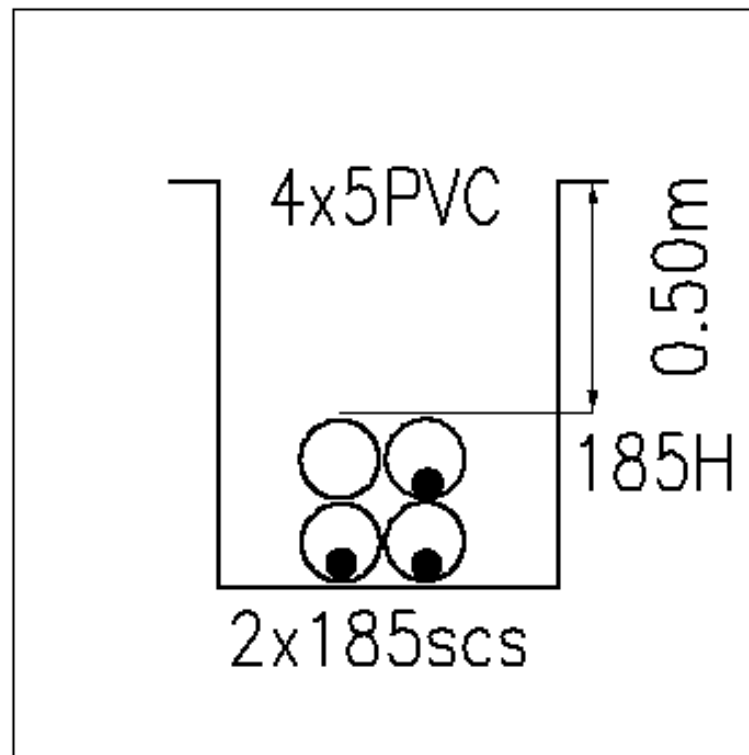
Cross Section : A



Cross Section
A

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■ ■ ■ Cross Section : E

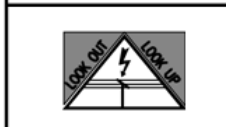


Cross Section E

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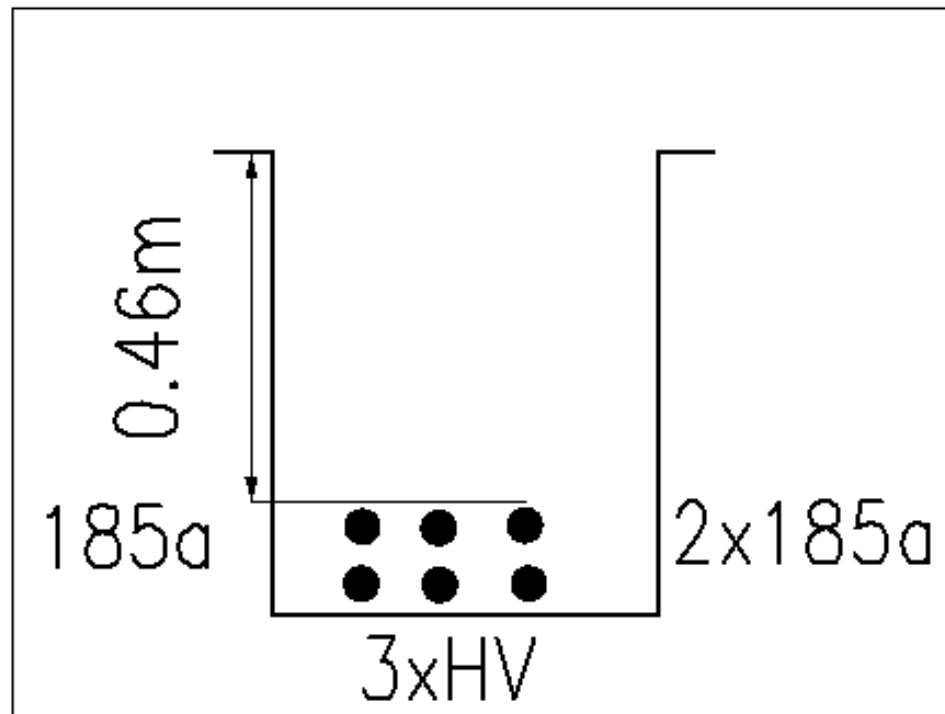
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Cross Section : F



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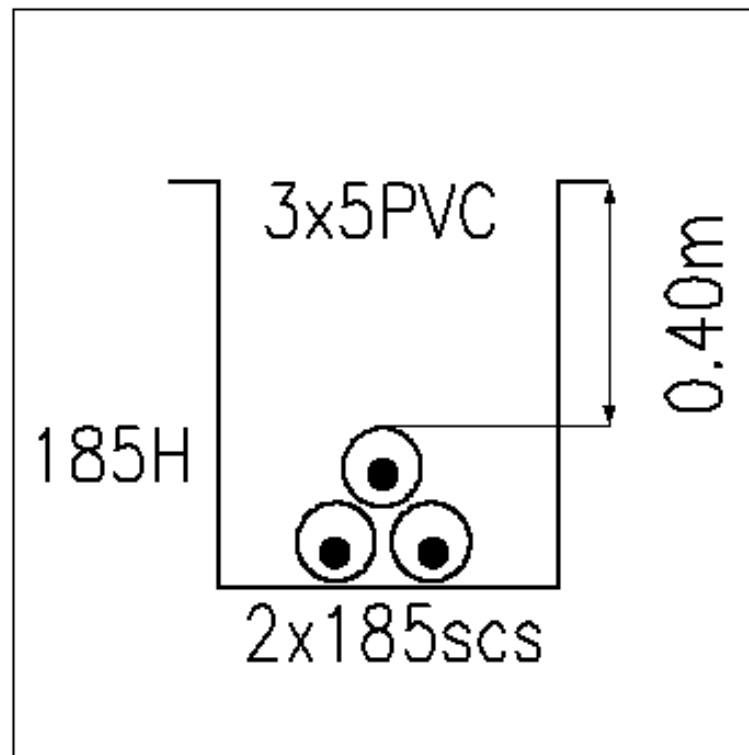
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Cross Section : G



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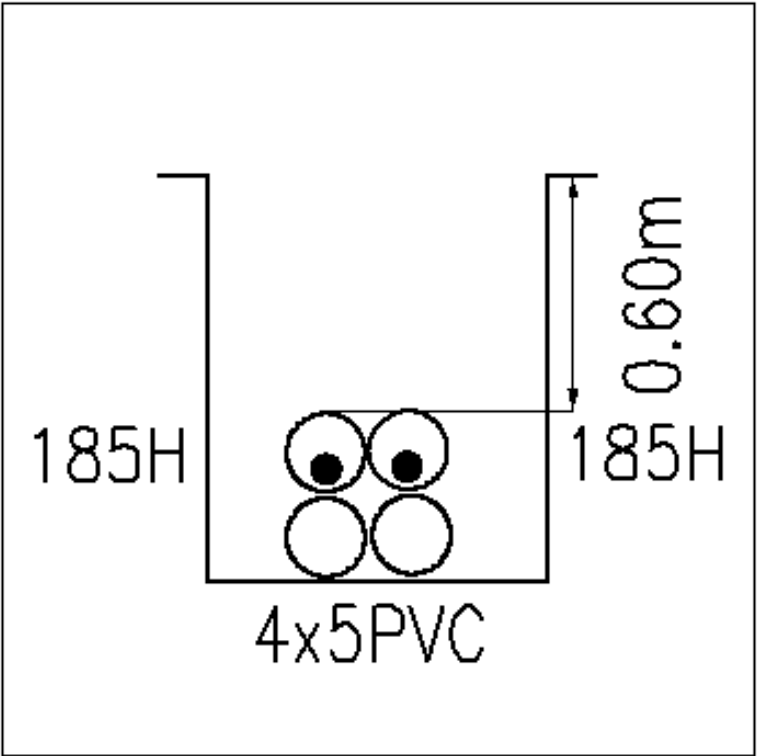
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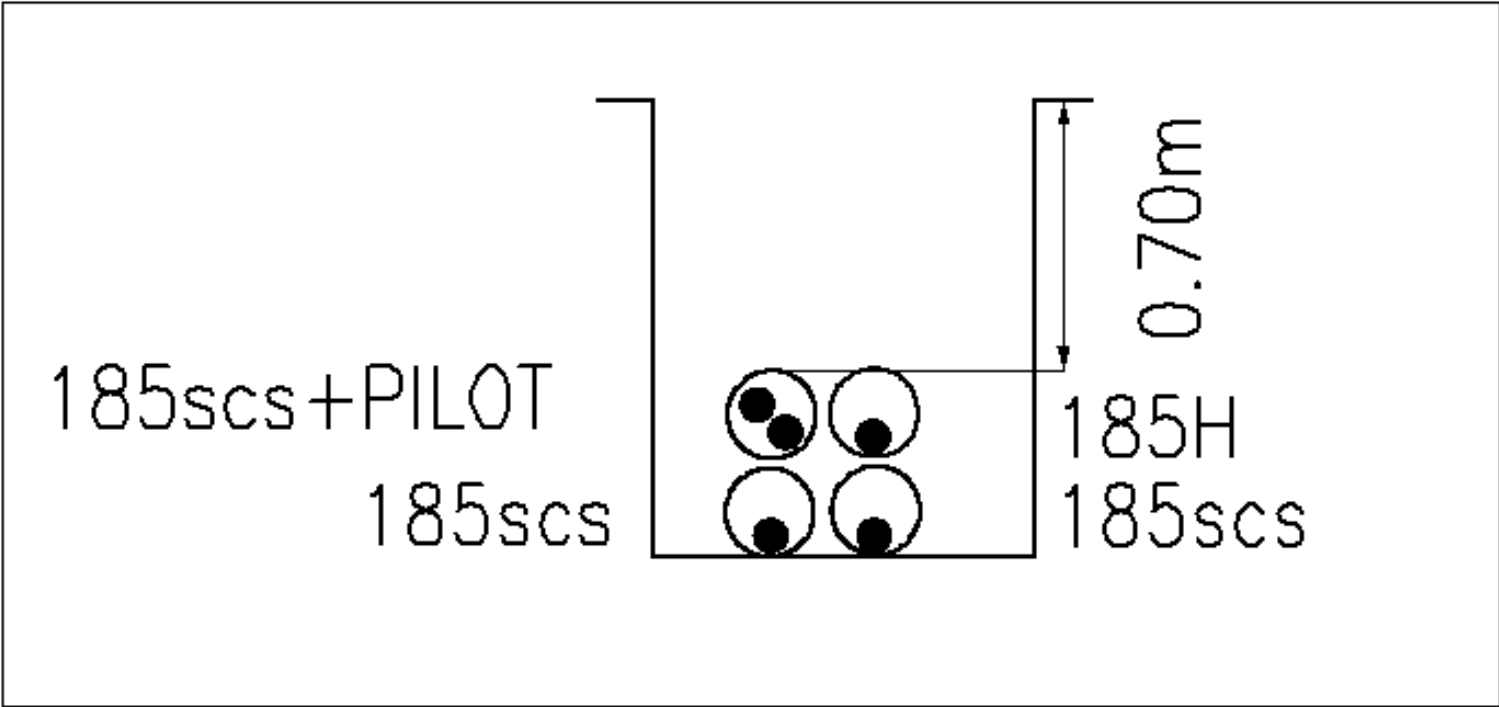
■ ■ Cross Section : H





Cross Section
H

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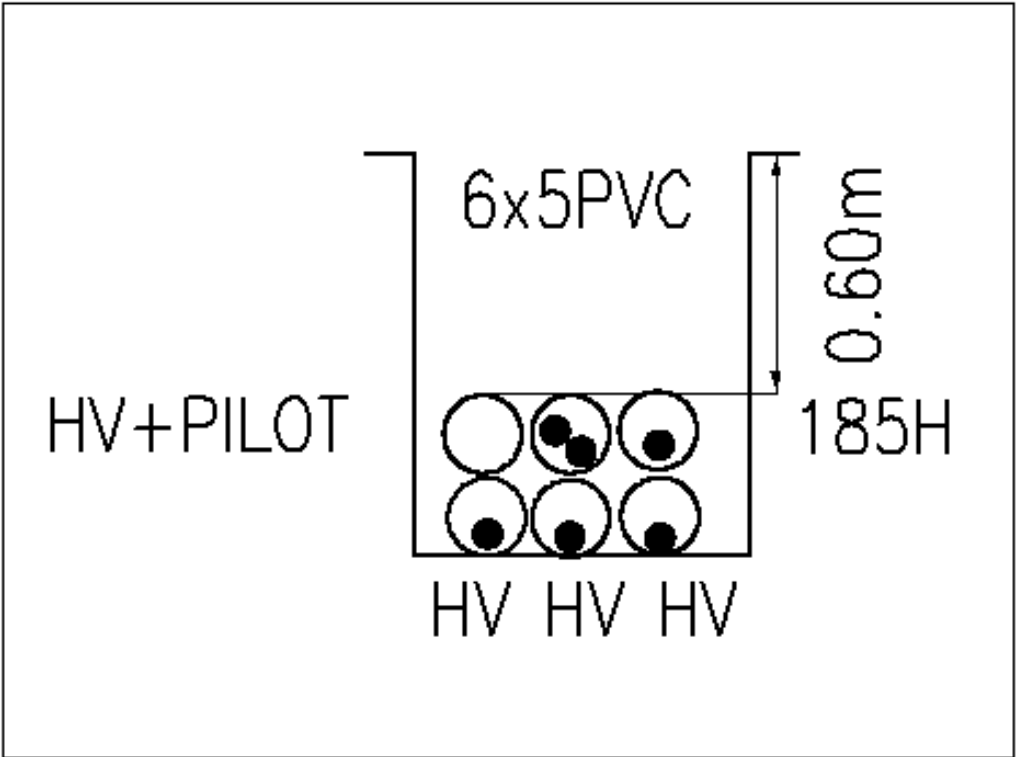
Cross Section : K



Cross Section
K

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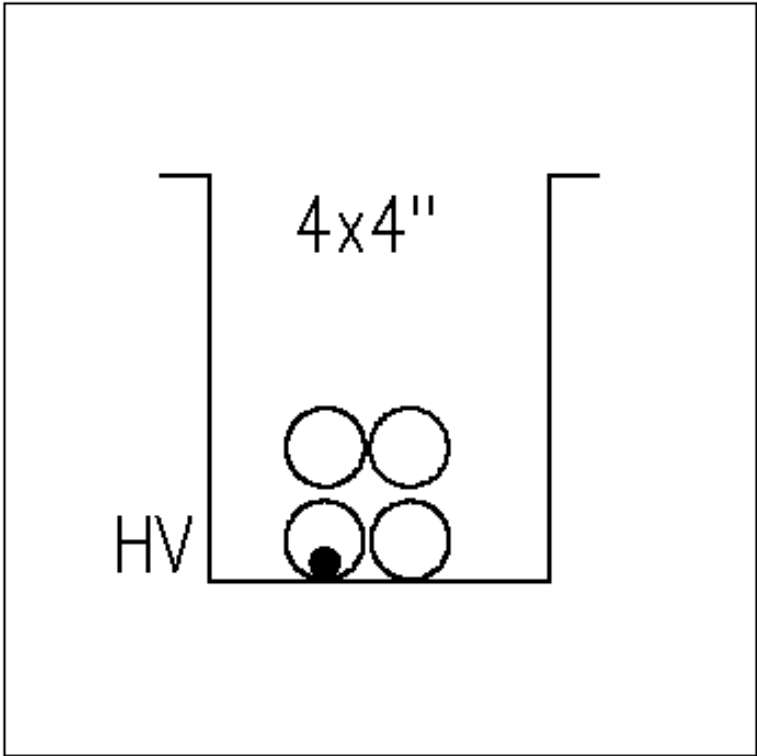
Cross Section : M





Cross Section
M

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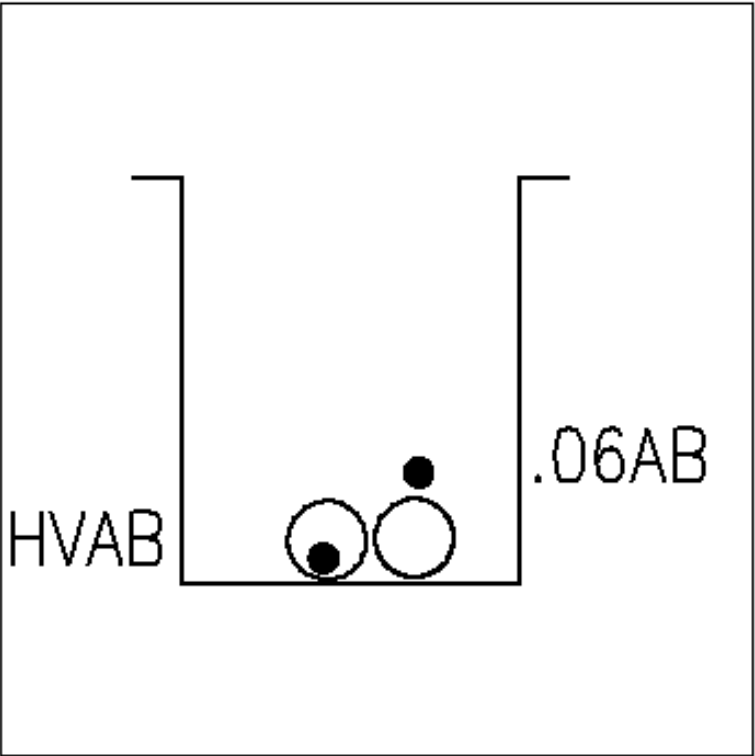
Cross Section : L





Cross Section
L

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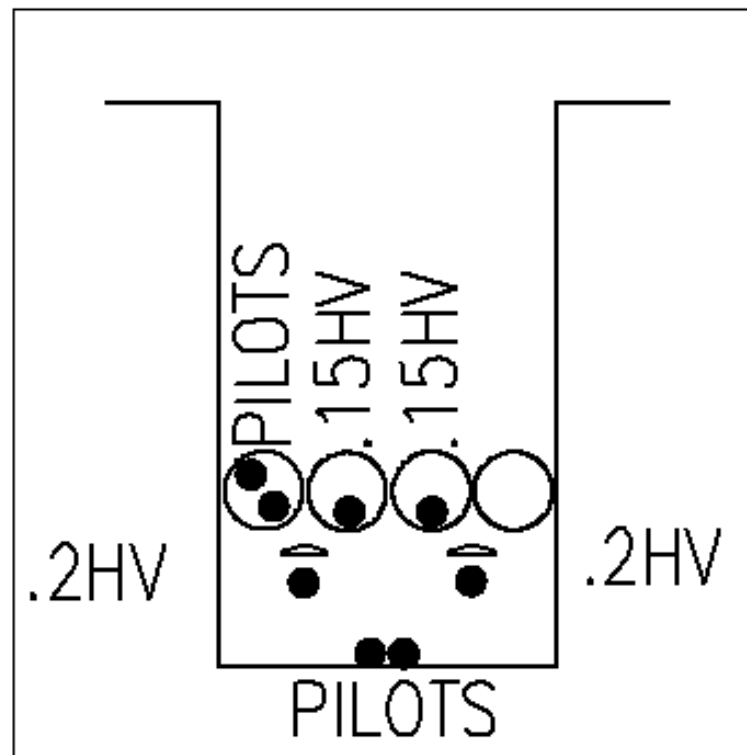
Cross Section : J



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Cross Section : B



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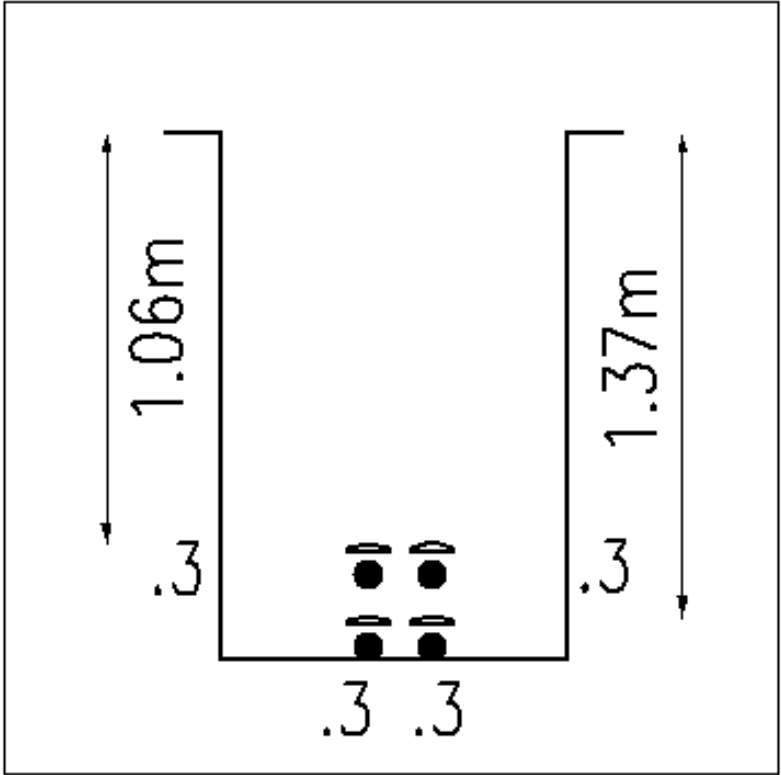
IF IN DOUBT - ASK! PHONE
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URGENTLY





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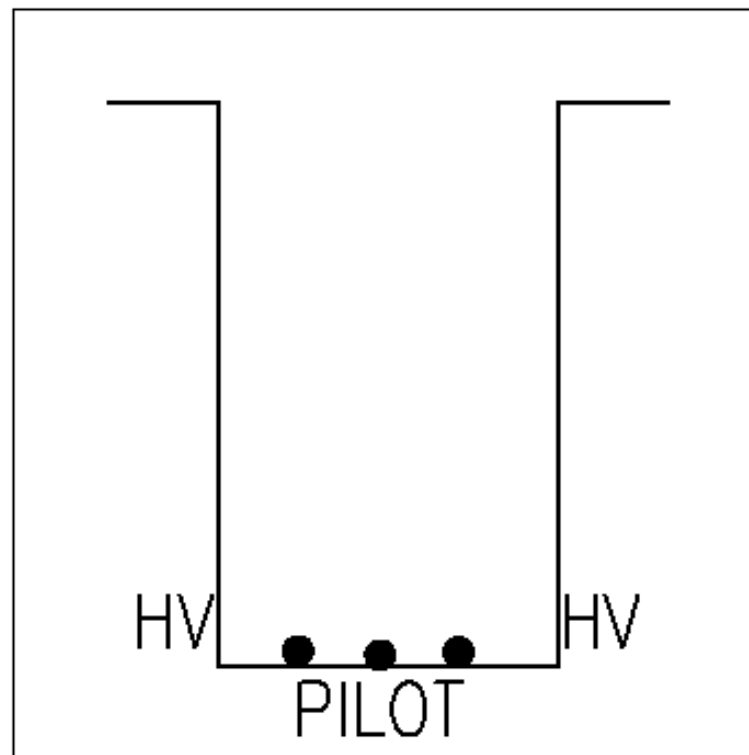
Cross Section : H



Cross Section
H

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Cross Section : E

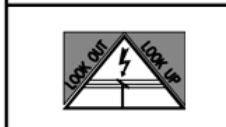


Cross Section E

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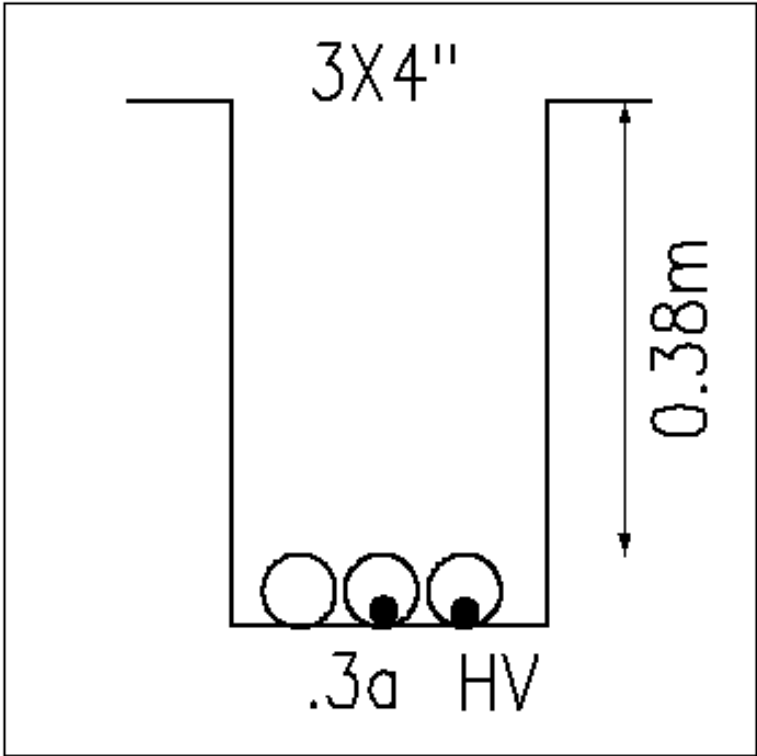
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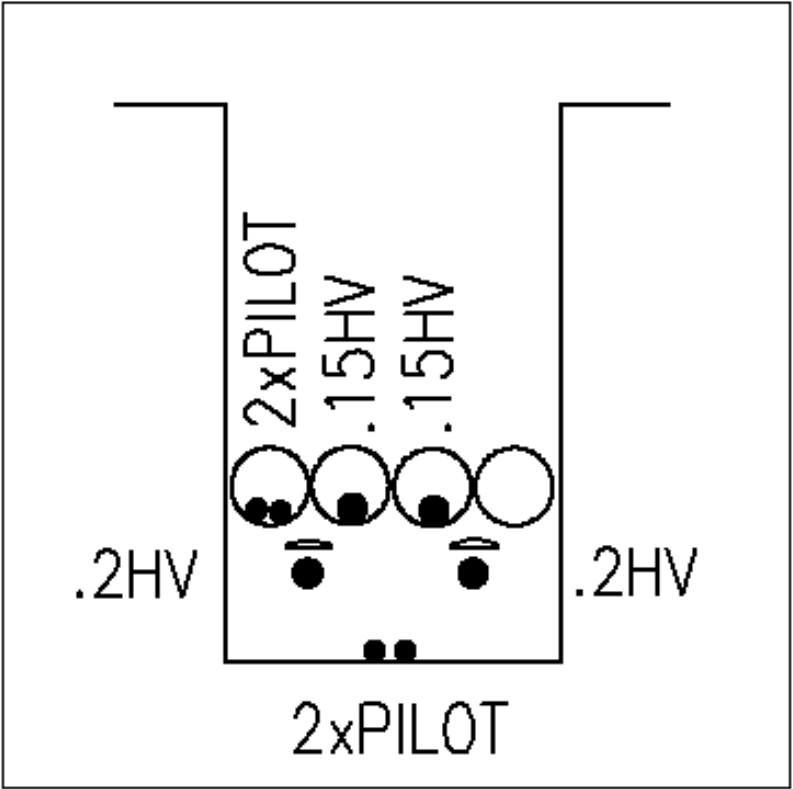
Cross Section : G



Cross Section
G

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Cross Section : A



Cross Section
A

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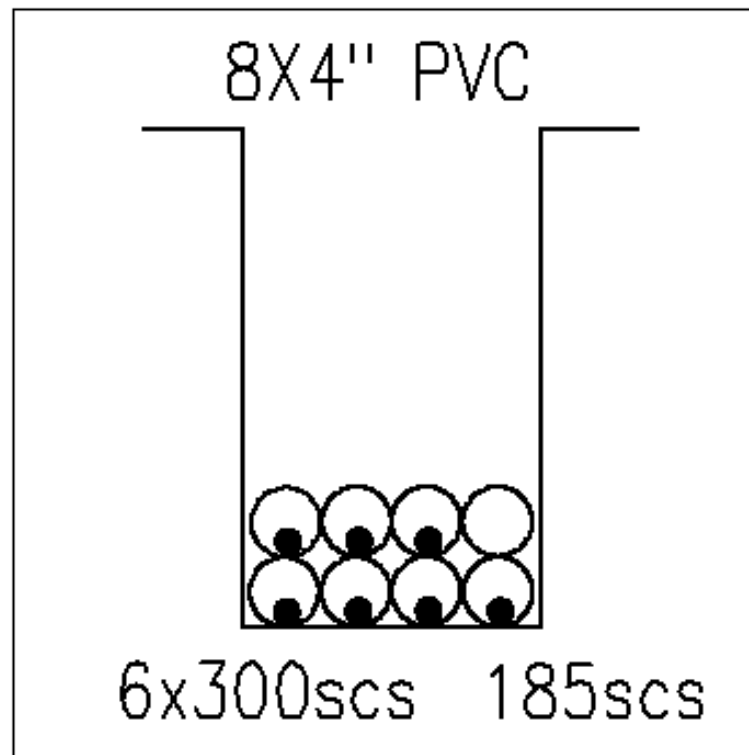
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Cross Section : K



Cross Section K

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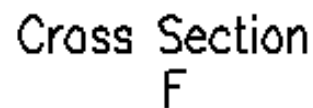
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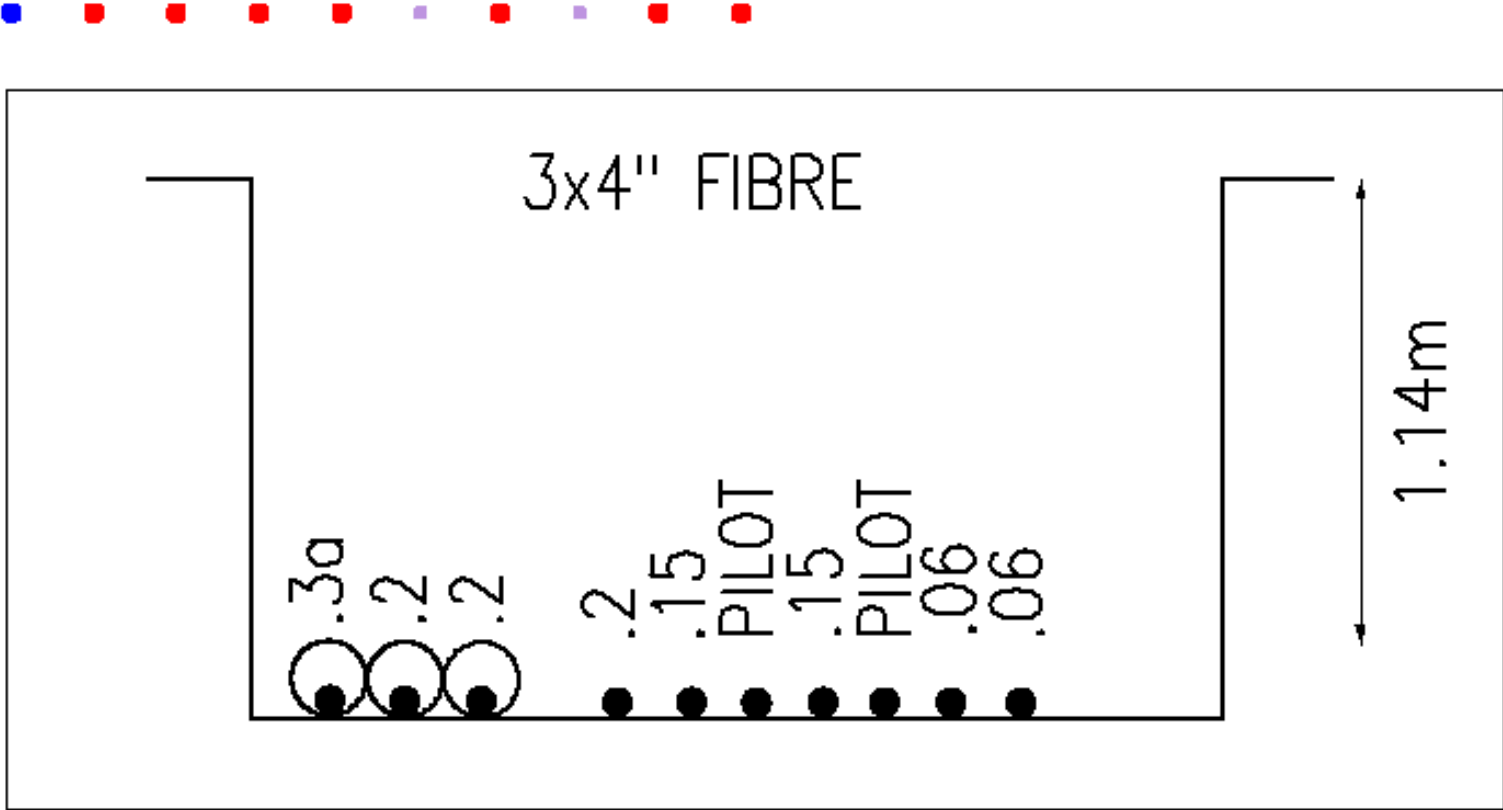
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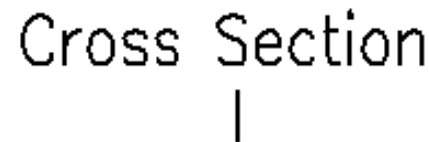
Cross Section : J



Cross Section
J

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cross section:



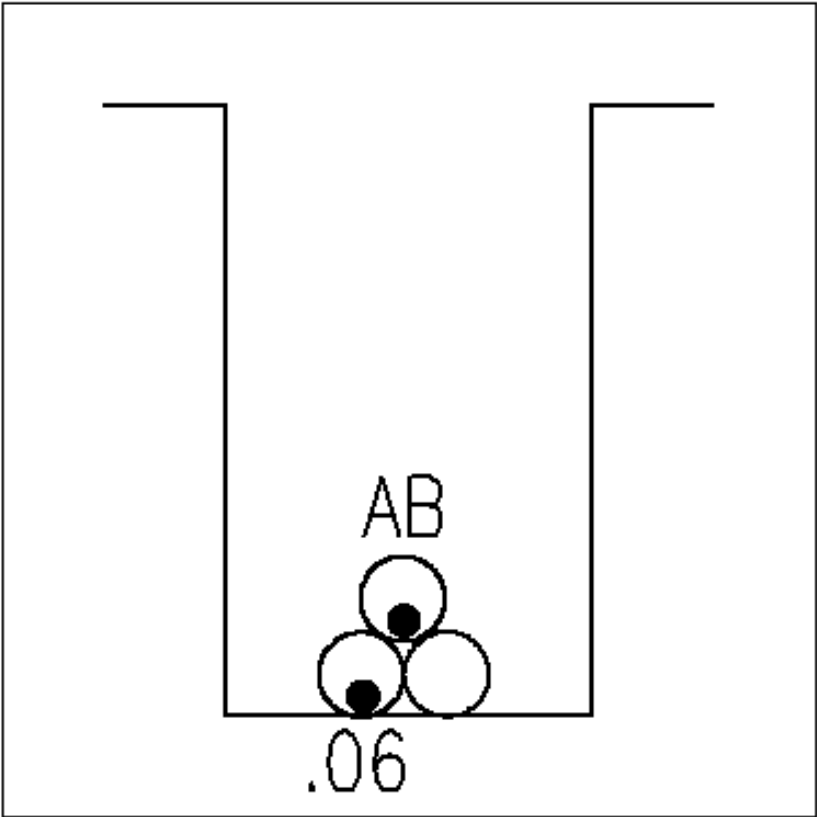
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Cross Section : B



Cross Section
B

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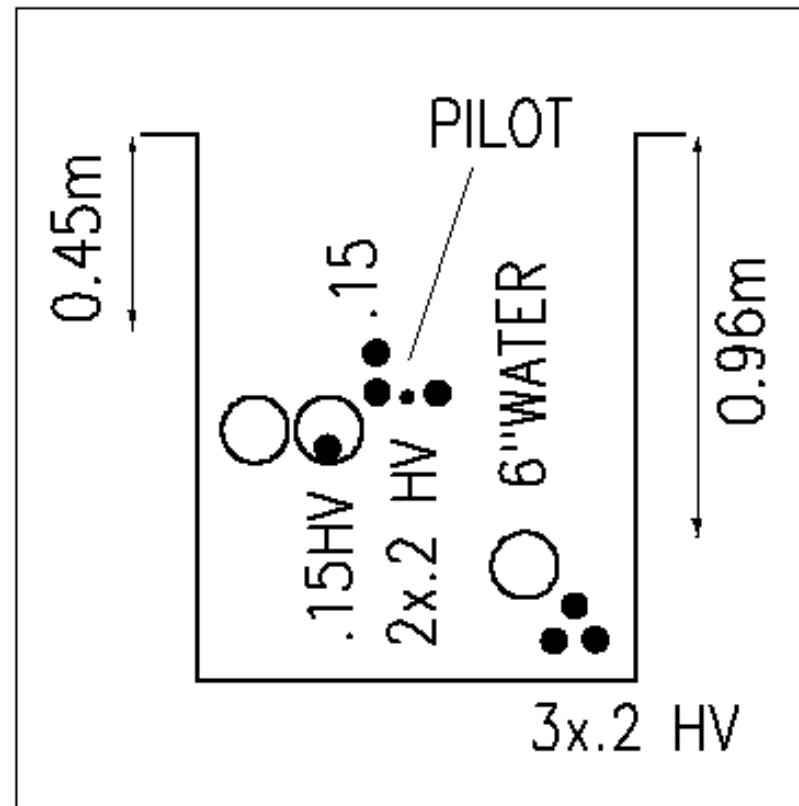
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Cross Section : D



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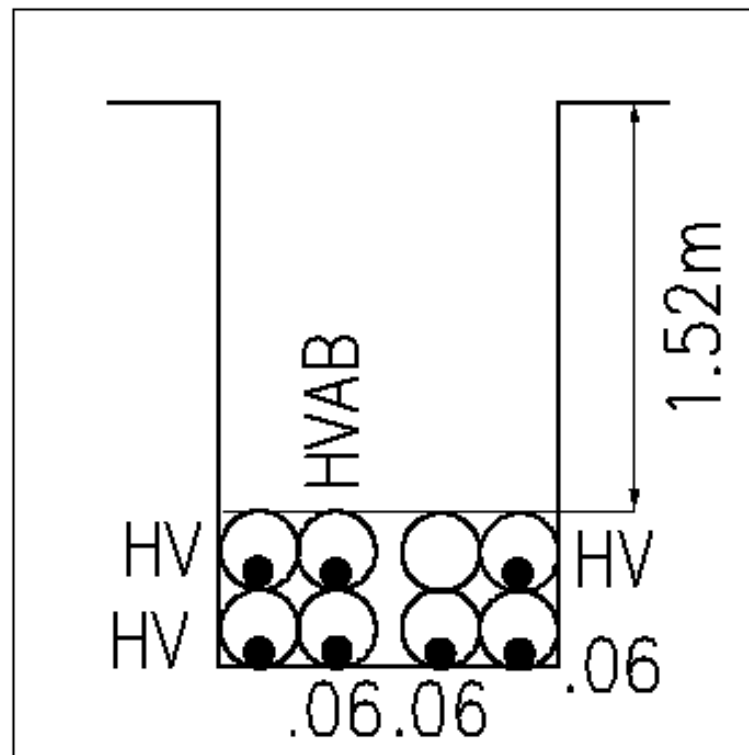
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Cross Section : A



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APPLICATION FOR
AN ELECTRICITY CONNECTION
FOR WORKS OVER 70kVA



Completing this form accurately will help us process your application as quickly as possible. Please complete all sections relevant to your project.

For generation or storage applications please complete the ENA application form which can be found on our website **www.ukpowernetworks.co.uk** on our Distributed Generation pages.

DID YOU KNOW YOU HAVE A CHOICE?

You can get a competitive quote from an Independent Connections Provider (ICP) for your electricity connection.

We can provide you with a complete connection service but you may also ask an ICP or an Independent Distribution Network Operator (IDNO) to undertake some of the works, these are known as the 'contestable works'.

Find out more on our website **www.ukpowernetworks.co.uk** under Competition in Connections.

Fields in red are mandatory

Section A: Tell us your details

A1. YOUR DETAILS

(This is the person making the application and this person will enter into an agreement with UK Power Networks and we can only discuss financial matters with them).

Title	First name	Last name
<input type="text"/>	<input type="text"/>	<input type="text"/>
Company (if applicable)	UK Power Networks account number	
<input type="text"/>	<input type="text"/>	
House no. or Building name	Street name	
<input type="text"/>	<input type="text"/>	
Town/City	County	Postcode
<input type="text"/>	<input type="text"/>	<input type="text"/>
Telephone	Mobile	
<input type="text"/>	<input type="text"/>	
Email	<input type="text"/>	



Any questions? Call **0800 029 4282** Mon - Fri, 8.30am - 5pm



You can complete this form:

Online: Download or complete the form at **www.ukpowernetworks.co.uk** (navigate to help and advice)
or Email it to **connections.gateway@ukpowernetworks.co.uk**



By post: Connections Gateway, UK Power Networks, Metropolitan House, Darkes Lane, Potters Bar,
Hertfordshire EN6 1AG

A2. SITE ADDRESS (if different from your contact details above)

Is your site address different from the above?

Yes ☐ No ☒

If yes:

House no.

Building name

Street name

Town/City

County

Postcode

A3. AUTHORISED REPRESENTATIVE'S DETAILS (If you would like us to talk to a third party regarding on-site works).

Title

First name

Last name

Company

Telephone

Mobile

Email

☐ Tick if this person is the main contact

Have you had a connection offer for this site before?

Yes ☐ No ☐

If yes, can you please provide the reference number

Section B: Tell us which service you would like

Please indicate which type of service you need from us (please tick all that apply)

A ☐ Change of an existing connection (i.e. upgrade/downgrade)

Existing service capacity

Please complete sections; A, B, C, D and H. In addition please complete the following if applicable to your project; E and G.

kVA/kW

Existing 13-digit Meter Point Administration Number MPAN:
(this can be found on your electricity bill and will start with 19, 10 or 12)

B ☐ New connection

Please complete sections; A, B, C, D and H. In addition please complete the following if applicable to your project; E and G.

Total number of connections required

C ☐ Temporary connection

Please complete sections; A, B, C, D and H. In addition please complete the following if applicable to your project; E and G.

Capacity required for the temporary connection

kVA

☐ single phase ☐ three phase

D ☐ Diversion work (this is an alteration or diversion of electricity cables, overhead lines or substations)

Please complete sections; A, B, C, D, F and H. In addition please complete the following if applicable to your project; E and G.

E ☐ Nature of supply enquiry

Please complete sections; A, B and G

F ☐ Intending to self-determine a Point of Connection – No Quotation required

Please complete sections; A, B, C, D, and H.

Please indicate additional works associated with this project

☐ **Disconnection**

Please provide MPAN(s)

☐ **Unmetered connection** (e.g. Streetlights) Please provide details

Please use section G to provide additional information



SECTION B: TELL US WHICH SERVICE YOU WOULD LIKE (continued)

TELL US WHAT TYPE OF QUOTATION WOULD YOU LIKE (Please select one)

A Budget estimate

We will provide you with a budget estimate that sets out a typical price for the works that may be required. However this is based on a desktop assessment only without any site specific conditions being taken into account. It may vary considerably from a formal connection offer. It is not capable of acceptance and does not secure any network capacity. A budget estimate is provided free of charge.

B Formal quotation

We will provide you with a connection offer that sets out the cost for UK Power Networks to complete all of the connection works and alternative options. This will include;

Option A – UK Power Networks carries out all of the requested ‘contestable’ and ‘non-contestable’ works required for your connection

Option B – UK Power Networks carries out all the ‘non-contestable’ work and the ‘contestable closing joint’. The ICP carries out all other requested ‘contestable’ work

Option C – UK Power Networks carries out the ‘non-contestable’ works only. The ICP carries out all of the works classified as ‘contestable’

C if you only require a non-contestable connection offer

We can provide a connection offer for UK Power Networks only completing the non-contestable connection works, so that an ICP or IDNO can be appointed to undertake the design and construction of the contestable works.

When selecting this option please indicate if you are using;

i) an ICP (and that UK Power Networks will be required to adopt the completed work) please tick here

OR

ii) If you will be appointing an IDNO, please tick here

D Self-determined point of connection (no quotation required)

All connection offers will be issued by email, if you would like a copy by post please tick here.

Section C: Construction (Design and Management) (CDM) Regulations 2015

Please confirm the appointment of any Principal Contractor and Principal Designer as required by the CDM Regs 2015. (For guidance on CDM please go to www.hse.gov.uk)

Principal Contractor name

Company name

Address

Telephone

Postcode

Mobile



Email

Principal Designer name

Company name

Address

Postcode

Telephone

Mobile

Email

Section D: Tell us your site and load details

Depending on your project, there may be a requirement to install a substation on your site. Our design team will discuss this with you in more detail but it would be helpful at this stage if you could indicate a preferred location on a plan (explained in section H).

Please complete the section(s) which best match your project:

Is your site **Domestic** ☐ Yes ☐ No and/or **Commercial/Industrial** ☐ Yes ☐ No

a) **DOMESTIC** – Please complete this table

Type of property (eg. house or flat)	No. of bedrooms	No. of properties	Load required per property
			kVA
			kVA
			kVA
			kVA
			kVA
Total requested capacity			kVA

b) **COMMERCIAL** – Please complete this table

Type of property (eg. office, industrial, warehouse unit)	No. of metering points	Load required per metering point
		kVA
		kVA
		kVA
		kVA
		kVA
Maximum power required (after diversity)		kVA

c) How will the property be heated ☐ Gas ☐ Electric ☐ Other

If electric, please provide the space or water heating demand per property

d) How many meters do you need to connect?



e) Are landlord connections required? ☐ Yes ☐ No

How many landlord's connections are required?

Capacity for the landlord's connections

 kVa

The landlord's connection is ☐ single phase ☐ three phase

f) Please confirm the total capacity requirement for the site kVA

g) When do you need your power connected? (Give an idea of your anticipated timescales)

Month

Year

Section E: Tell us about any Motors or other disturbing loads

Some types of load can disturb our electricity network. Please provide details of any air conditioning, fuel or heat pumps, lifts, motors, refrigeration, welders or other industrial machinery. If the electrical characteristics are unknown please refer to the manufacturer or the equipment installer.

Please use the following conversions as a guide: 4 amps = 1 kilowatt or 1 kilowatt = 1.1kVA

Are there any motors or disturbing loads? ☐ Yes ☐ No (if yes please complete the table below)

Type of appliance (e.g. motor, welder, heat pump, wind turbine)	Rating of appliance	How often will the appliance be started in one hour?	Single or three phase?	Starting method (Star Delta, Direct On Line, Soft start)	Starting current
	kW				amps
	kW				amps
	kW				amps
	kW				amps
	kW				amps

Section F: Tell us about your Diversion works

If applying for diversion work please provide a full description of the work that you propose to carry out.

- Please detail whether you require the diversion of electricity cables, overhead lines or substations.
- Please send us detailed plans of your works to allow us to identify the impact on our electricity assets.

What is the planned start date for your work?



Section G: Tell us any additional information

Please provide any additional information that you think will help us process your application.

E.g. any details of land ownership, planning constraints, site hazards or areas of contamination.

Section H: Check you've provided everything

Before you submit your application, please ensure that you have enclosed the following information which will allow us to process your application as quickly as possible:

- ☐ 1. Plan showing the site location
- ☐ 2. Plan showing the site layout

Examples are shown on the last page of this document

THE APPLICANT MUST SIGN THIS SECTION (THE PERSON NAMED IN SECTION B1)

Signature of applicant

pp AG

Date

Print name

Acting on behalf of company name

Thank you for your application



Plan examples

1. PLAN SHOWING THE SITE LOCATION

What is this?

A map showing us where your site is so we can accurately assess your requirements.

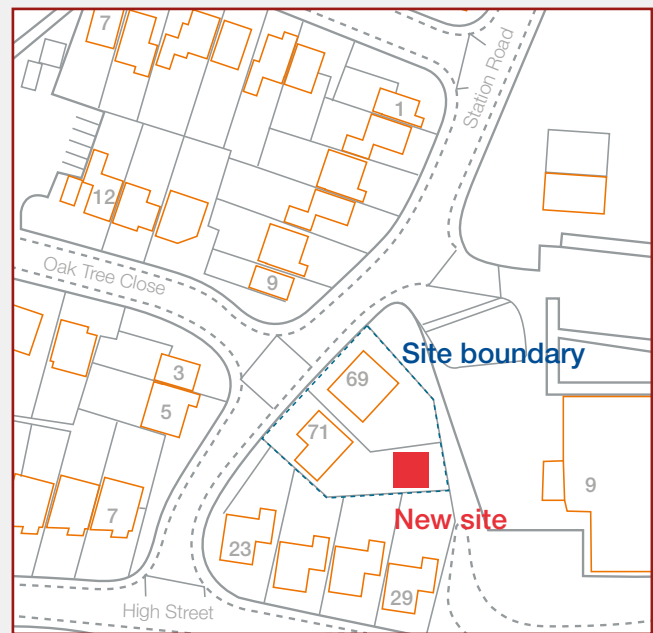
What should the map show?

- the site location in relation to the surrounding area
- which roads are closest to the site
- the site boundary

Where to find one

Location plans can be found by using street maps or via internet sites such as:

- Googlemaps
- Ordnance Survey
- Multimap



2. PLAN SHOWING THE SITE LAYOUT

What is this?

A scaled plan showing us the layout of the site and the ground floor layout of any buildings. Please make sure you provide us with an appropriate sized plan.

The size we require will depend on the size of your development but it should be no smaller than A3.

Where to find one

If you have an architect working on your project, they will be able to provide this. If you haven't an architect please send a detailed location plan showing the details (below).

What should the plan show?

- the layout of the development
- any footpaths, roads or access routes
- where you'd prefer the electricity cable entering the building
- your proposed duct and cable route
- any existing service routes (if known)
- where you'd like the electricity meter positioned (internal or external)
- the site boundary
- any buildings that will be demolished
- proposed location of any new street-lights



- depending on your project, there may be a requirement to install a substation on your site. Our design team will discuss this with you in more detail but it would be helpful at this stage if you could indicate a preferred location on a plan
- which outside wall will you be installing your meter box.

SUBMIT



AREA 3
90 no. 284P FLATS
18 no. 385P FLATS

AREA 1
5 no. 182P FLATS
10 no. 284P FLATS

AREA 2
15 no. 182P FLATS
26 no. 284P FLATS

AREA A
RENOVATE EXISTING FACILITIES
NEW STAFF ACCOMMODATION
EQUIVALENT TO 20 no. 182P FLATS

AREA B
150 Room Hotel

AREA 5
36 no. 182P FLATS
32 no. 284P FLATS

AREA C
SOFT PLAY AND CAFE

AREA 4
59 no. 284P FLATS
13 no. 385P FLATS

FLATS TOTAL

182P	76*
284P	217
385P	31

* INCLUDES 20 no. EQUIVALENT
FOR AREA A

SANDOWN PARK
AREA PLAN

NTS

Existing to Remain

1 No. M076 + ANOOLD CONNECTION
@ 30kVA

ALMA 1 (Assumed worst Partition)

Equivalents

20 182P Flats
10kVA x 20

1 no. meter

$$10kVA \times 15$$

4. LANDVOLT SOURCE @ 30kV

ALSA A, B, 1 & 2

Scale 1:2000 @ A3



LOWER GREEN

9 NO. HOUSES
12 FLAT RES HOUSE
15 kVA x 12
+ LANDSCAPE
CONNECTION @ 30 kVA

ALFA 3
11,000 @ A3

SURREY COUNTY

SOUTH EAST EER

ELMBRIDGE DISTRICT

ESHER

EAST MOLESEY AND ESHER ED

ESHER AND WALTON BOROUGH COUNCIL

Sandown Park

Race Course

LOWER GREEN ROAD

Lower Green



1 no. merch
72 FLATS
72 x 15 kVA
+ ANDROLO CONNECTION @ 30 kVA

Area 4
1:1000 @ A3



EXISTING TO REMAIN

AREA C SOFT PLAY & CAFE

4.5 kVA

REFER TO AREA B

AREA 5 & AREA C
1:2000 @ A3

DAY NURSERY
15 kVA

4 NO. METERS
17 FATS PER METER
10 kVA x 9
15 kVA x 8
+ LANDLOD CONNECTION
@ 30 kVA



Andrew Godfrey
Waterman Infrastructure & Environment Ltd
Merchants House
Wapping Road
Bristol
BS1 4RW

10.01.2019

Project: 8600014983 / Budget Estimate: 3000017211

Dear Andrew,

Site Address: **Sandown Park, KT10 9AJ**

Thank you for your recent enquiry regarding the above premises. I am writing to you on behalf of South Eastern Power Networks PLC the licensed distributor of electricity for the above address trading as UK Power Networks.

I am pleased to be able to provide you with a budget estimate for the work to connect 5540kVA Import (Commercial and Domestic connection) at the above site to the 11kV network.

It is important to note that this budget estimate is intended as a guide only. It may have been prepared without carrying out a site visit or system studies. No enquiry has been made as to the availability of consents or the existence of any ground conditions that may affect the works. It is not an offer to provide the connection and nor does it reserve any capacity on UK Power Networks' electricity distribution system.

5540kVA Import connection via 2x feeder extension at local primary.

Budget Estimate

The budget estimate for the contestable and non-contestable elements of work is **£585,000.00** (exclusive of VAT) of which **£200,000.00** is non-contestable, if the Point of Connection (POC) is from Esher Primary to customer site.

Proposed Works

- 2x Feeder extension at Esher Primary
- Lay **750m** of 2x 11kV cables (ducted) between Esher Primary and the above mentioned customers site including pilot cable
- Install RMU at connection point to customer site

Budget estimate assumptions

This budget estimate is based on the following assumptions:

- The most appropriate Point of Connection (POC) is as described above.
- A viable cable or overhead line route exists along the route we have assumed between the Point of Connection (POC) and your site.
- In cases where the Point of Connection (POC) is to be at High Voltage, that a substation can be located on your premises at or close to the position we have assumed.
- Where electric lines are to be installed in private land UK Power Networks will require an easement in perpetuity for its electric lines and in the case of electrical plant the freehold interest in the substation site, on UK Power Networks terms, without charge and before any work commences.
- You will carry out, at no charge to UK Power Networks, all the civil works within the site boundary, including substation bases, substation buildings where applicable and the excavation/reinstatement of cable trenches.
- Unless stated in your application, all loads are assumed to be of a resistive nature. Should you intend to install equipment that may cause disturbances on UK Power Networks' electricity distribution system (e.g. motors; welders; etc.) this may affect the estimate considerably.
- All UK Power Networks' work is to be carried out as a continuous programme of work that can be completed substantially within 18 months from the acceptance of the formal offer.

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

If you would like to proceed to a formal offer of connection then you should apply for a quotation, Please refer to our website http://www.ukpowernetworks.co.uk/internet/en/help-and-advice/documents/the_connection_process.pdf for '**The connection process**' which details our application process. To help us progress any future enquiry as quickly as possible please quote the UK Power Networks Reference Number from this letter on all correspondence.

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

Yours sincerely



Brian Golding
Major Connections Technical Support Assistant
Tel: 01622 352 443
Email: Brian.Golding@ukpowernetworks.co.uk



G. THAMES WATER RESPONSE

Appendices

Sandown Park Redevelopment

WIE15367-100

WIE15367-100-R-1-2-2-Utilities

Asset location search



Property Searches

Andrew Godfrey
Waterman Building Services
BRISTOL
BS1 4RW

Search address supplied Sandown Park
KT10 9AJ

Your reference N/A

Our reference ALS/ALS Standard/2018_3910445

Search date 19 November 2018

Keeping you up-to-date

Notification of Price Changes

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

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



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



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



0845 070 9148



Search address supplied: Sandown Park, KT10 9AJ

Dear Sir / Madam

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

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

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

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

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

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

Contact Us

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

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

Email: searches@thameswater.co.uk

Web: www.thameswater-propertysearches.co.uk

Waste Water Services

Please provide a copy extract from the public sewer map.

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

TQ1364NE
TQ1365SE
TQ1365NE
TQ1464NW
TQ1465SW
TQ1465NW
TQ1465SE
TQ1465NE

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

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

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

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

For your guidance:

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

Clean Water Services

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

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

TQ1364NE
TQ1365SE
TQ1365NE
TQ1464NW
TQ1465SW
TQ1465NW
TQ1465SE
TQ1465NE

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0800 316 9800. The Customer Centre can also arrange for a full flow and pressure test to be carried out for a fee.

For your guidance:

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

Payment for this Search

Thank you for your payment covering the cost of this enquiry. We have enclosed a VAT Receipt for your records.

Further contacts:

Waste Water queries

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

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

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

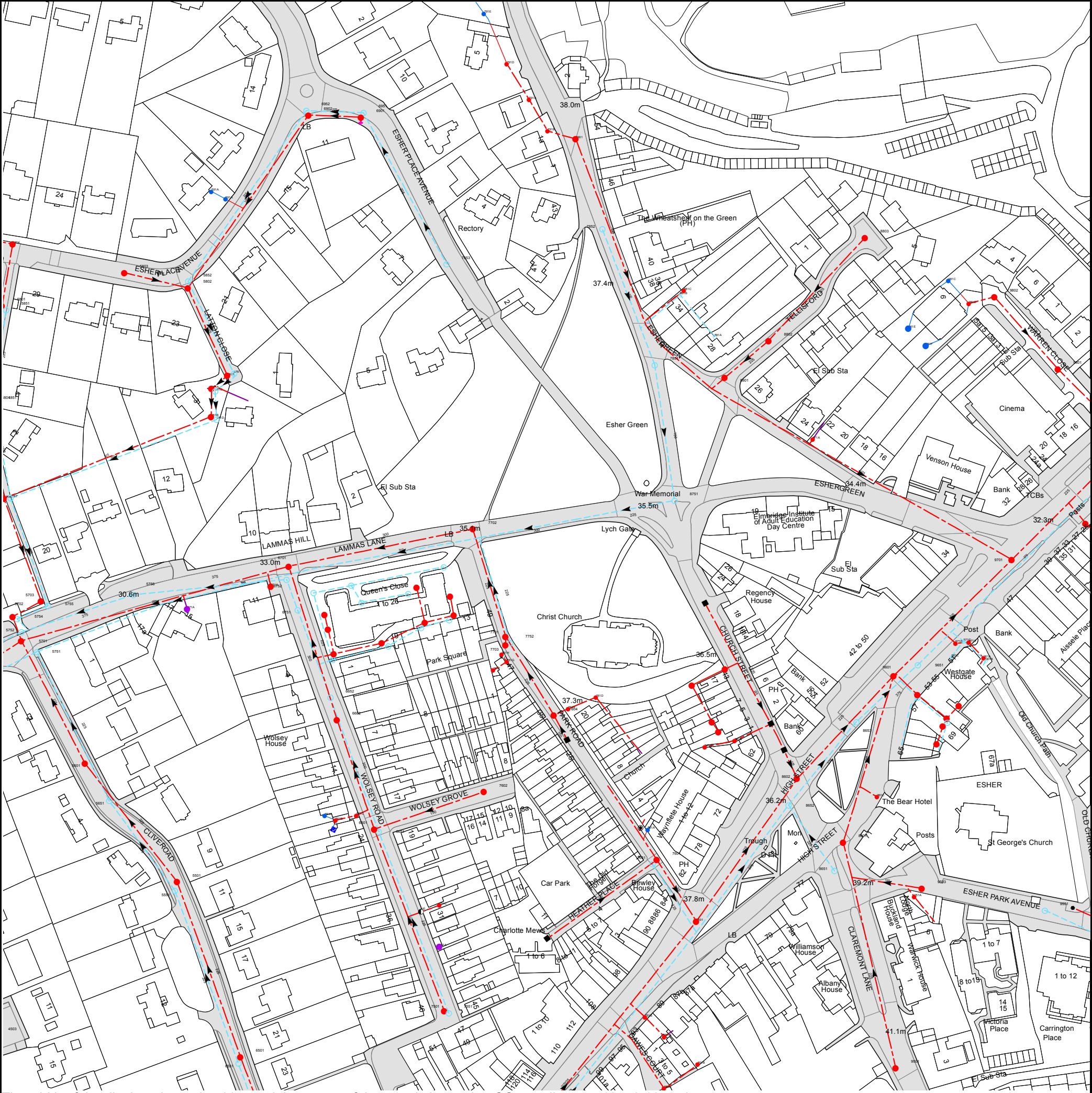
Tel: 0800 009 3921
Email: developer.services@thameswater.co.uk

Clean Water queries

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

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

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



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 513750,164750

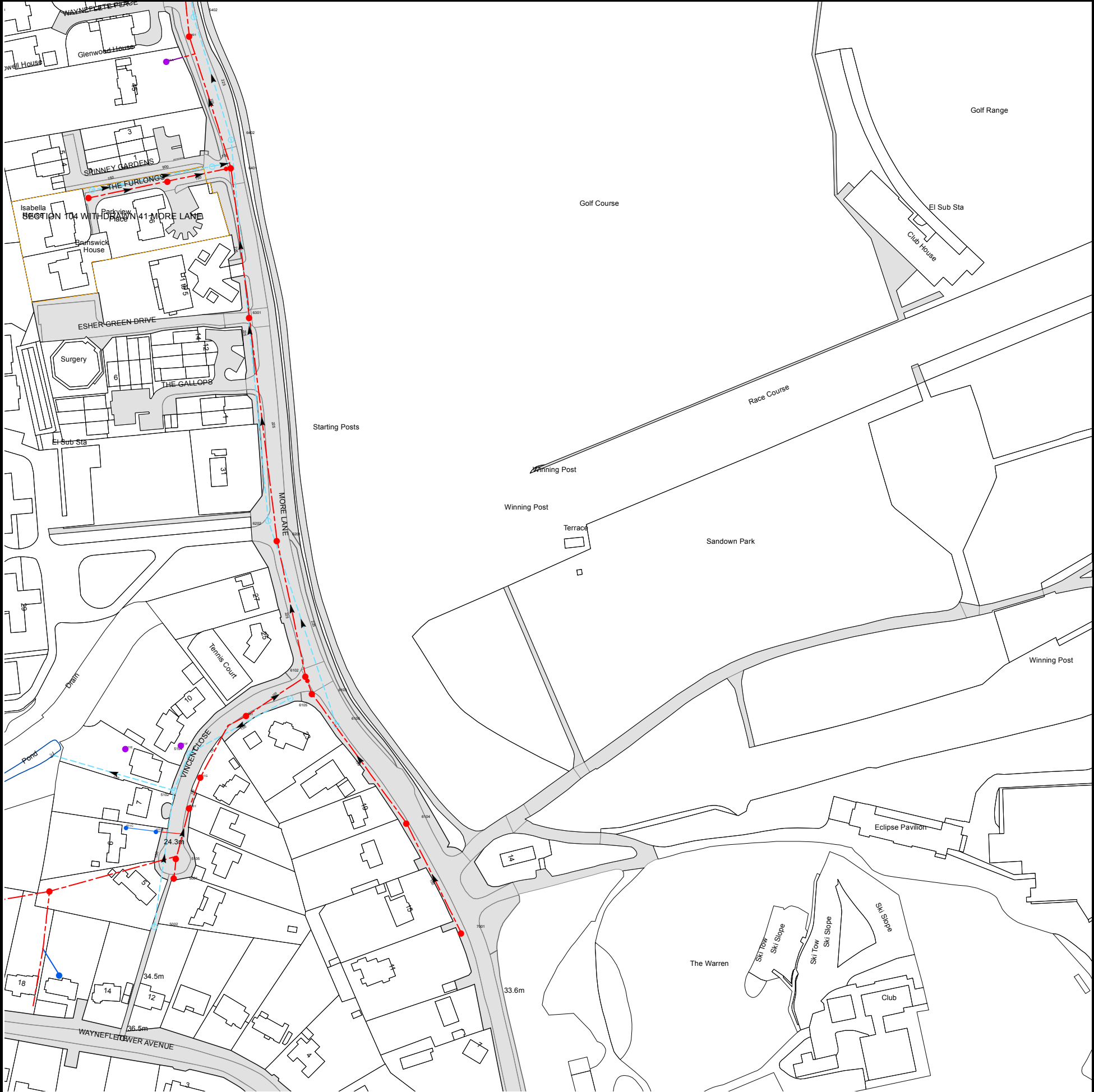
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual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

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

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

Manhole Reference	Manhole Cover Level	Manhole Invert Level
981C	n/a	n/a
961C	n/a	n/a
971B	n/a	n/a
96HE	n/a	n/a
971C	n/a	n/a
981D	n/a	n/a
971A	n/a	n/a
961A	n/a	n/a
961B	n/a	n/a
9802	36.05	34.66
9701	33.01	30.1
9551	37.96	36.14
9801	33.61	31.47
97NL	n/a	n/a
851C	n/a	n/a
851A	n/a	n/a
86FF	n/a	n/a
8501	37.74	n/a
851B	n/a	n/a
861A	n/a	n/a
86FJ	n/a	n/a
86FK	n/a	n/a
86FE	n/a	n/a
861B	n/a	n/a
8652	36.38	34.84
8602	36.18	32.78
8651	38.9	37.18
8601	38.22	35.53
8653	35.15	33.75
861C	n/a	n/a
9601	34.62	31.62
9501	41.78	40.12
951A	n/a	n/a
96FL	n/a	n/a
96HH	n/a	n/a
9651	34.31	32.87
9503	38.94	37.09
96HK	n/a	n/a
96HC	n/a	n/a
96HF	n/a	n/a
96FM	n/a	n/a
67FC	n/a	n/a
67HE	n/a	n/a
67FD	n/a	n/a
67FK	n/a	n/a
77HH	n/a	n/a
7702	34.84	31
8751	35.39	34.18
871A	n/a	n/a
8801	36.95	35.43
7851	36.54	35.08
981F	n/a	n/a
8802	37.12	35.74
881A	n/a	n/a
981E	n/a	n/a
881B	n/a	n/a
881C	n/a	n/a
7853	38.53	36.97
8803	37.7	36.25
7852	37.75	36.57
7901	38.1	35.73
791B	n/a	n/a
6951	37.87	36.55
791A	n/a	n/a
791D	n/a	n/a
791E	n/a	n/a
6601	32.94	31.19
6651	32.99	31.51
67HC	n/a	n/a
67FH	n/a	n/a
67FJ	n/a	n/a
67HD	n/a	n/a
751C	n/a	n/a
651A	n/a	n/a
7501	35.78	33.37
7551	35.71	34.17
77HJ	n/a	n/a
77HK	n/a	n/a
7602	34.04	32.44
761F	n/a	n/a
761H	n/a	n/a
7703	36.7	n/a
7701	36.55	31.89
761G	n/a	n/a
7752	36.65	35.35
7604	37.07	34.21
761E	n/a	n/a
761D	n/a	n/a
751B	n/a	n/a
761A	n/a	n/a
7651	37.64	36.41

Manhole Reference	Manhole Cover Level	Manhole Invert Level
7601	37.71	34.72
5752	30.89	28.93
5751	29.94	28.63
5703	n/a	n/a
5755	n/a	n/a
5601	30.24	28.26
5651	28.61	n/a
5756	31.92	30.27
5551	31.88	29.84
5501	31.87	29.83
571A	n/a	n/a
6551	33.81	31.56
6501	33.71	31.08
671A	n/a	n/a
6752	32.92	30.88
6701	33.12	30.28
6751	32.81	30.94
67FE	n/a	n/a
67FM	n/a	n/a
661A	n/a	n/a
67FL	n/a	n/a
6652	32.54	31.16
66HH	n/a	n/a
67FN	n/a	n/a
661B	n/a	n/a
6602	32.54	30.69
67FF	n/a	n/a
661C	n/a	n/a
5801	39.67	38.01
5851	38.6	37.32
5804	40.23	39.21
5803	38.7	36
5802	37.57	n/a
5852	37.64	35.4
581B	n/a	n/a
591A	n/a	n/a
581A	35.67	33.99
581C	n/a	n/a
581D	n/a	n/a
691A	n/a	n/a
6801	37.1	34.52
6851	37.16	34.83
6952	37.83	36.31
6902	38.03	35.99
6901	37.96	36.28
5704	n/a	n/a
5757	n/a	n/a
5702	30.72	29.41
5754	30.66	29.66
5701	29.9	27.5
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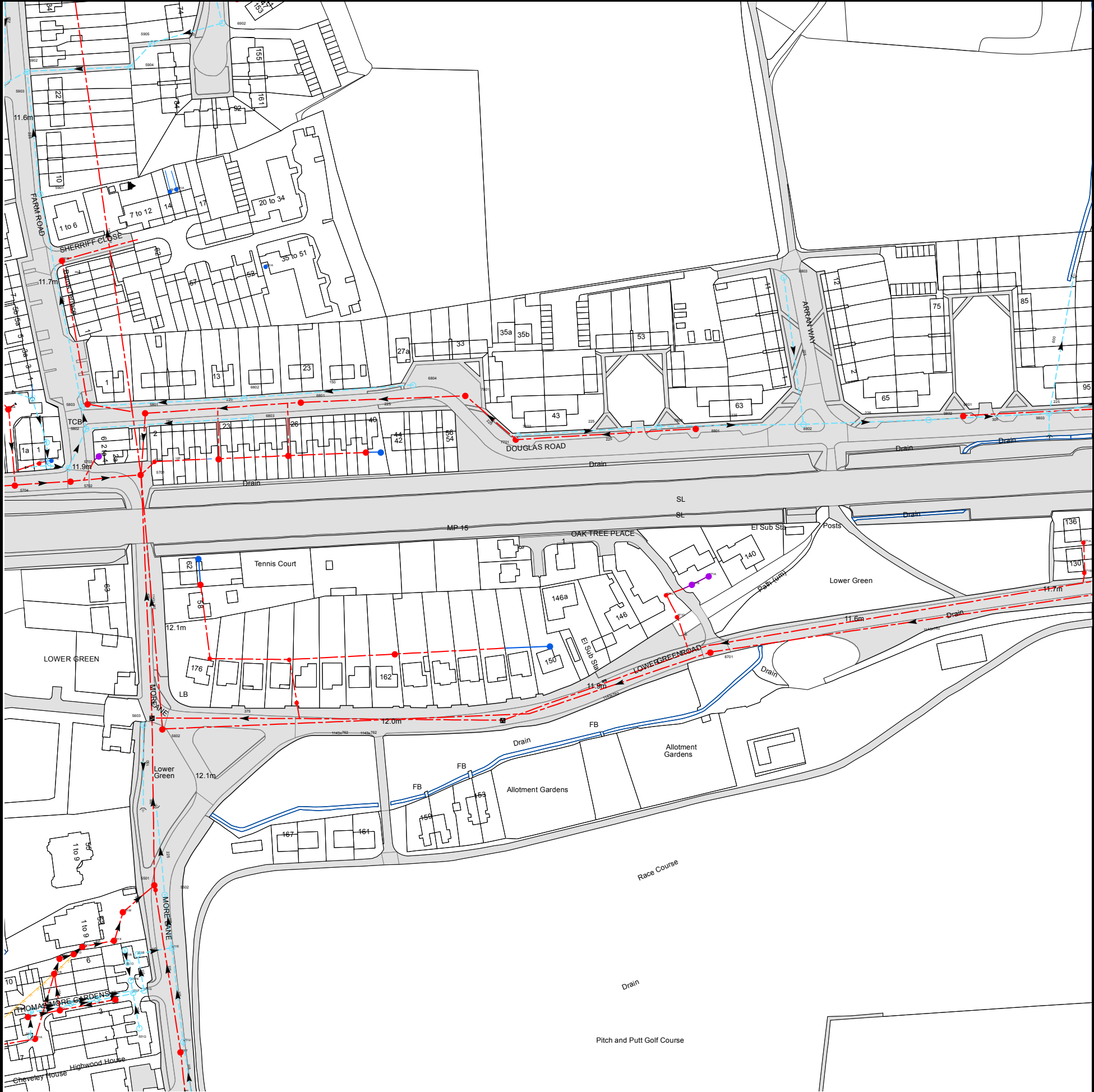
The width of the displayed area is 500m and the centre of the map is located at OS coordinates 513750,165250

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Manhole Reference	Manhole Cover Level	Manhole Invert Level
7001	31.59	30.61
6104	28.81	27.53
50NE	n/a	n/a
50MN	n/a	n/a
511C	n/a	n/a
5002	29.77	28.26
511D	n/a	n/a
5001	26.8	25.25
5105	25.78	24.22
5101	24.03	22.63
5102	23.54	22.24
511G	n/a	n/a
5104	23.47	22.58
511E	n/a	n/a
511F	n/a	n/a
6106	26.25	24.76
6101	24.49	21.75
6105	25.37	24.36
6103	25.56	24.11
6102	25.26	21.23
6201	22.52	19.48
6202	22.21	21.52
6301	n/a	n/a
5403	n/a	n/a
5404	n/a	n/a
5405	n/a	n/a
5407	n/a	n/a
6401	17.23	14.24
5406	n/a	n/a
6402	16.81	15.28
541A	n/a	n/a
5401	15.41	12.41
5402	14.94	13.44
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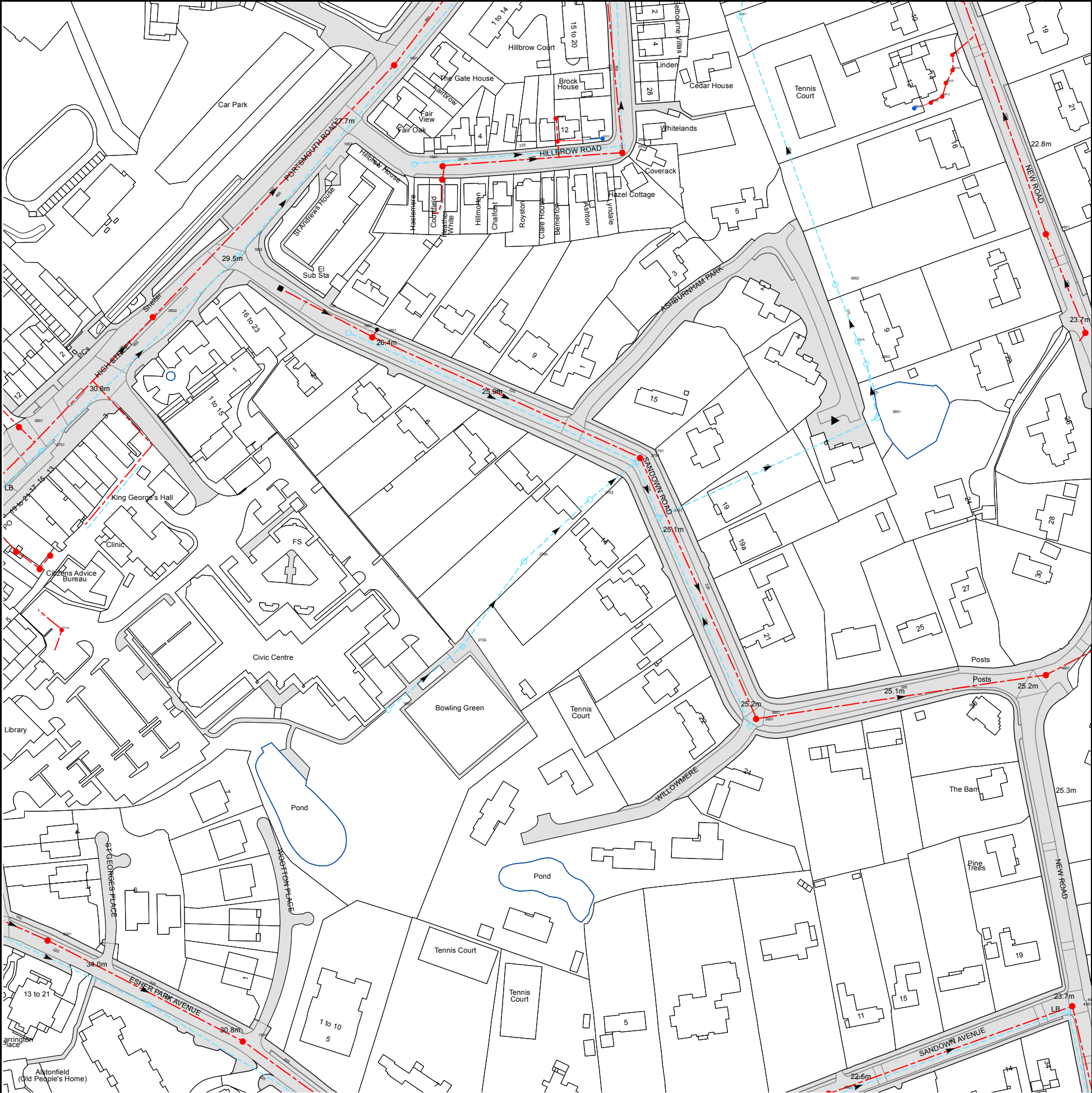
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
7803	12.27	11
871C	n/a	n/a
871D	n/a	n/a
871B	n/a	n/a
8801	12.19	9.87
871A	n/a	n/a
8701	n/a	n/a
8803	12.04	11.03
8802	12.05	10.75
9802	11.69	10.53
9801	11.65	9.33
9803	11.4	10.2
971A	n/a	n/a
971B	n/a	n/a
5803	11.69	10.74
5802	11.74	10.79
581C	n/a	n/a
571D	n/a	n/a
5701	11.88	n/a
5603	12.24	11.54
5801	11.67	8.73
571C	n/a	n/a
5602	10.43	-4.53
57MK	n/a	n/a
57ML	n/a	n/a
56NE	n/a	n/a
57NE	n/a	n/a
6802	11.9	10.95
6803	11.92	10.95
67NL	n/a	n/a
6601	n/a	n/a
6602	n/a	n/a
6801	11.91	9.06
67NM	n/a	n/a
67NK	n/a	n/a
6701	n/a	n/a
6804	12.09	11.21
7801	12.11	9.33
7701	12.15	9.48
7802	12.1	11.24
77NK	n/a	n/a
551T	14.38	11.58
551U	14.16	13.108
551A	n/a	7.995
551K	13.971	12.807
551Q	n/a	n/a
551M	13.707	12.54
551L	13.627	12.772
551J	13.49	11.657
551I	13.455	12.711
551P	13.774	12.023
551H	13.615	12.668
551F	13.824	12.611
551G	13.923	12.583
551N	n/a	n/a
551B	13.5	7.936
551O	n/a	n/a
551C	13.19	7.889
551D	13.24	7.8
551S	13.511	12.495
551R	n/a	n/a
551E	13.347	12.456
551V	12.6	7.785
551X	12.58	7.738
551W	12.48	7.7
5502	12.867	12.038
5501	12.76	7.63
5804	12.16	10.19
5704	12.28	9.88
581A	12.25	11.225
571F	n/a	n/a
571A	12.25	11.383
571B	12.3	11.3
571E	n/a	n/a
5703	11.95	11.24
5702	11.85	n/a
5903	11.63	10.14
5902	11.6	10.15
5901	11.86	10.38
581B	n/a	n/a
5904	11.68	10.33
5905	11.7	10.37
591B	n/a	n/a
591A	n/a	n/a
6902	11.66	10.51
6901	11.8	10.67
681A	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
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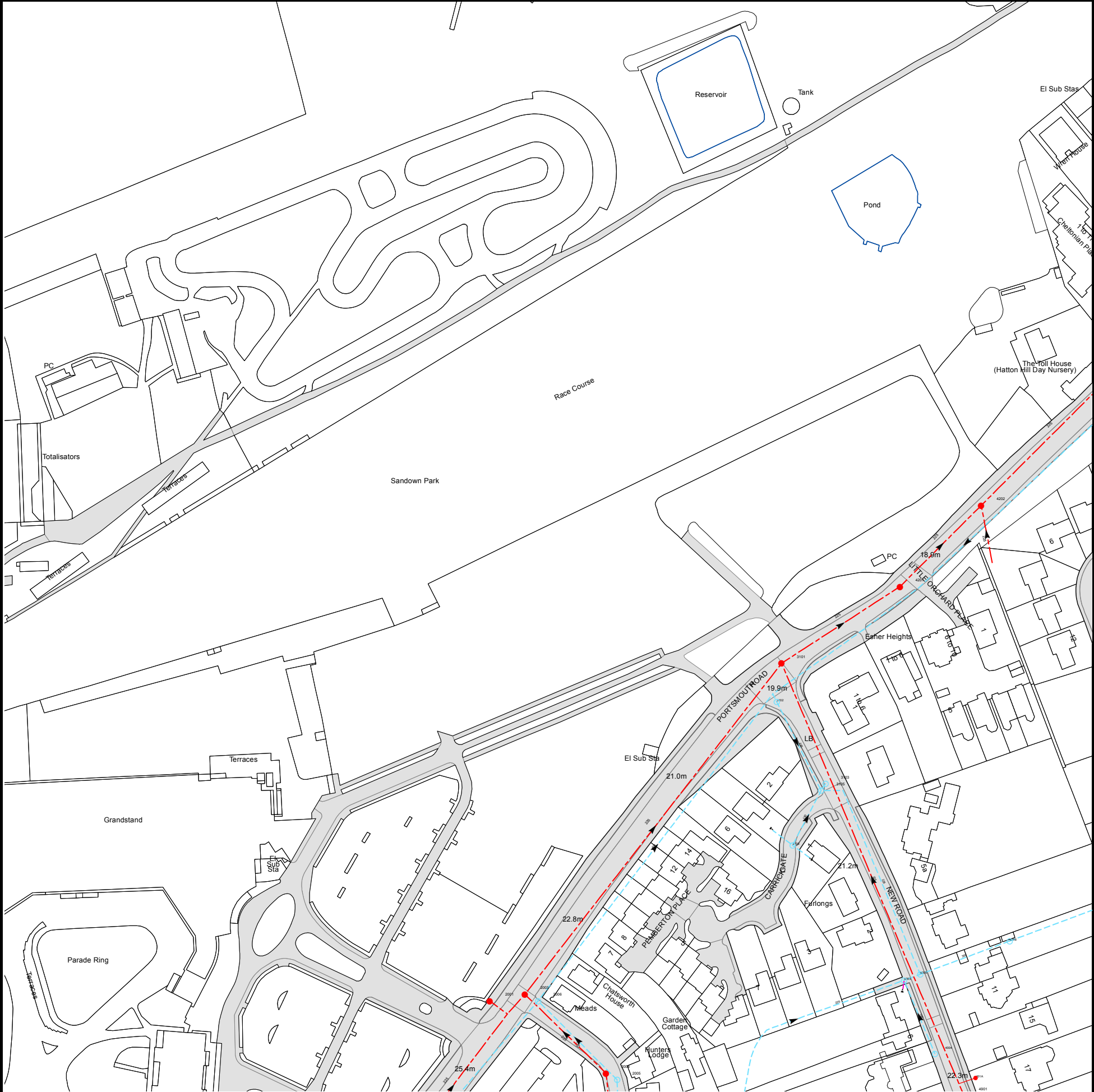
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
291B	n/a	n/a
491A	n/a	n/a
491B	n/a	n/a
491C	n/a	n/a
491D	n/a	n/a
491E	n/a	n/a
1901	27.04	n/a
491F	n/a	n/a
3951	n/a	n/a
4901	22.3	19.69
1801	26.46	24.26
1651	n/a	n/a
1951	27.08	25.56
29HJ	n/a	n/a
2901	26.74	25.57
2755	n/a	n/a
2754	n/a	n/a
291A	n/a	n/a
2753	n/a	n/a
291C	n/a	n/a
2902	24.7	n/a
2951	24.64	22.68
2751	n/a	n/a
2701	n/a	n/a
3751	25.11	22.58
3651	25.14	23.45
3601	25.12	23.32
3501	22.4	19.53
3852	n/a	n/a
381A	n/a	n/a
3853	23.02	22.31
3851	23.84	22.34
4601	25.08	22.83
4801	n/a	n/a
4551	23.51	19.87
4501	23.63	19.19
4802	23.51	21.93
07HF	n/a	n/a
0801	31.48	30.24
07HH	n/a	n/a
0751	31.34	30
0501	35.81	32.21
07HJ	n/a	n/a
071A	n/a	n/a
0551	n/a	n/a
0802	n/a	n/a
1852	29.38	27.74
1501	29.96	27.04
1952	28.21	26.83
1851	26.72	25.23
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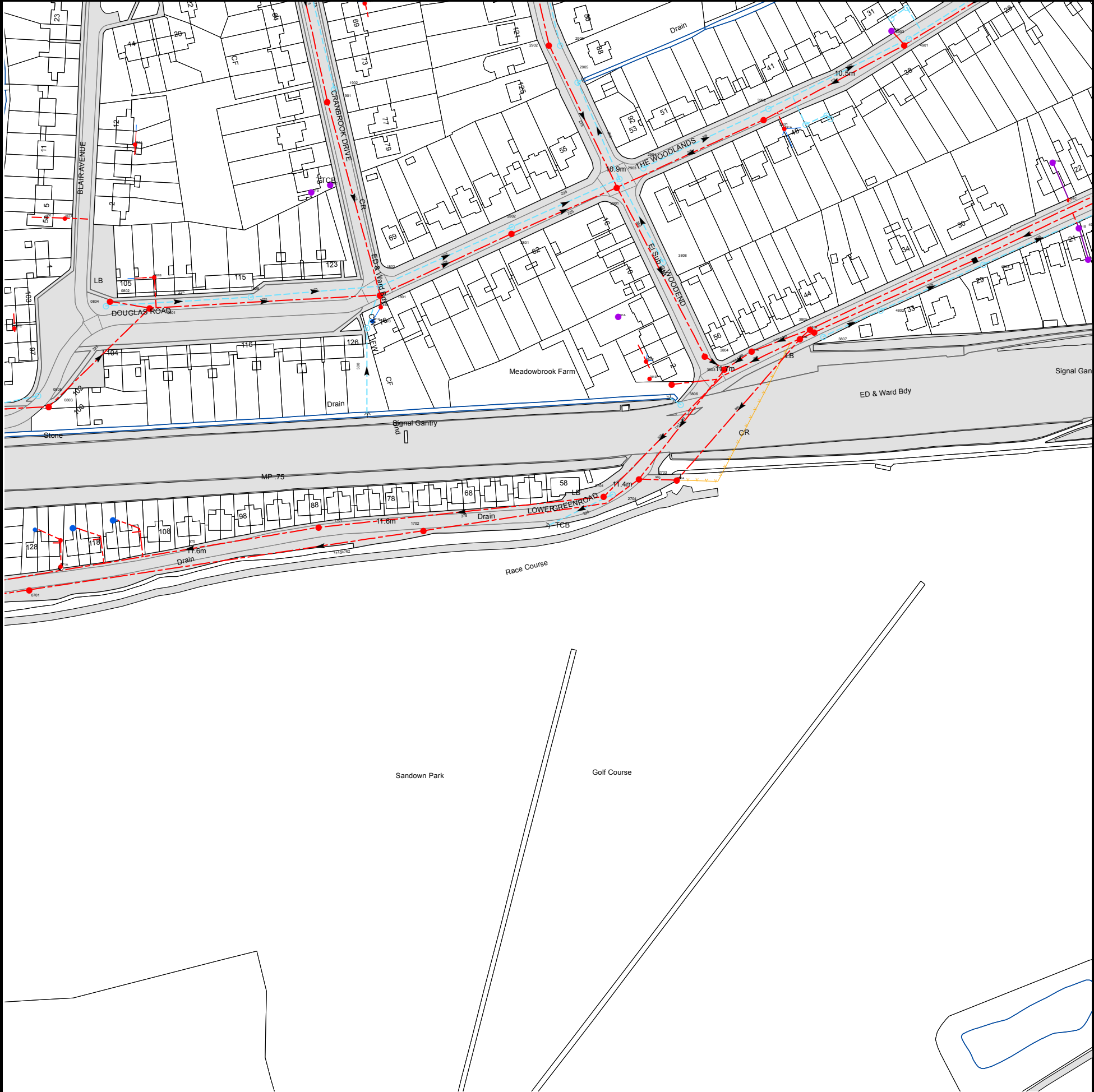
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
2005	24.29	n/a
401A	n/a	n/a
2004	24.25	22.15
4004	22.05	21.39
2001	24.21	22.01
2006	23.63	22.34
2003	23.7	21.09
4003	21.7	20.47
4005	n/a	n/a
401B	n/a	n/a
3106	n/a	n/a
3105	20.59	19.13
3103	n/a	n/a
3102	n/a	n/a
3101	20.13	16.6
4201	18.66	n/a
4202	18.23	15.1
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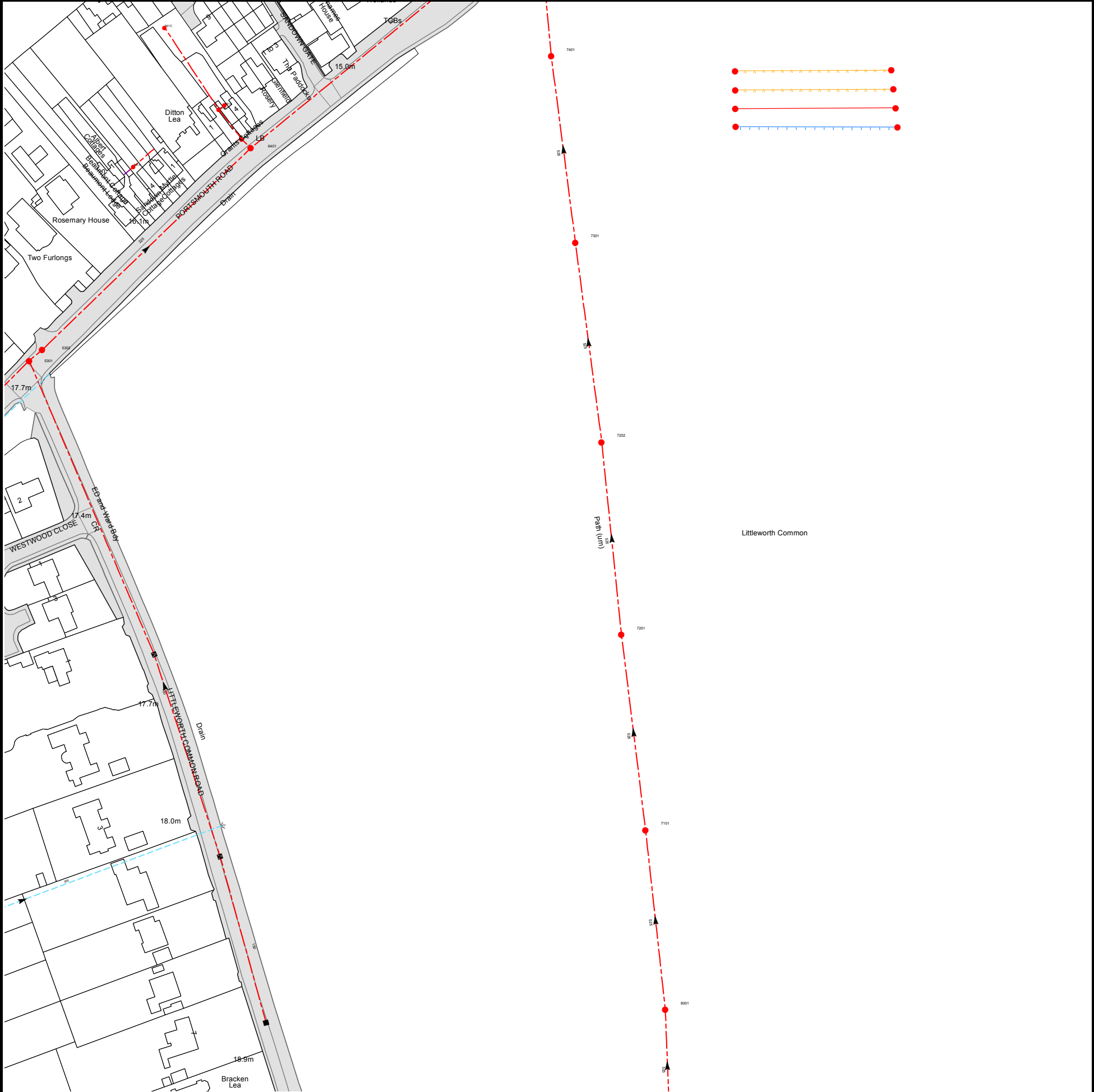
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
3807	12.93	11.93
39NJ	n/a	n/a
39NK	n/a	n/a
4802	12.86	11.86
49NC	n/a	n/a
491A	n/a	n/a
4901	10.41	8.17
49MN	n/a	n/a
4903	10.46	9.75
4803	12.53	11.8
491B	n/a	n/a
491C	n/a	n/a
481B	n/a	n/a
481A	n/a	n/a
4902	12.39	11.62
1702	12.19	-3.06
1701	11.78	8.25
2701	11.24	8.5
2704	11.23	10.46
371A	n/a	n/a
2703	11.27	2.3
3806	12.24	10.98
38MK	n/a	n/a
281B	n/a	n/a
3803	11.54	-2.74
281C	n/a	n/a
3804	12.16	7.43
381C	n/a	n/a
381B	n/a	n/a
3805	12.62	9.45
381A	n/a	n/a
1803	11.3	10.24
181A	n/a	n/a
281A	n/a	n/a
0801	11.39	8.67
181B	n/a	n/a
1805	11.33	10.53
1801	11.04	8.15
1802	10.96	10.2
081B	n/a	n/a
3808	10.76	9.95
2801	10.62	7.76
2802	10.59	10.12
191B	n/a	n/a
2901	10.83	7.4
191C	n/a	n/a
2903	10.84	9.96
2904	10.75	9.95
091A	n/a	n/a
391A	n/a	n/a
39NH	n/a	n/a
3901	10.57	7.76
3902	10.62	9.8
1901	10.8	8.78
1902	10.81	10.26
2905	10.75	9.75
2906	10.74	9.93
2902	10.71	7.71
191A	n/a	n/a
081C	n/a	n/a
0701	n/a	n/a
07NF	n/a	n/a
0805	11.45	10.5
0803	11.47	8.94
07ND	n/a	n/a
071A	n/a	n/a
081A	n/a	n/a
07ML	n/a	n/a
0804	11.52	10.75
0802	11.35	9.06
07MD	n/a	n/a
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
5301	n/a	n/a
5302	n/a	n/a
541A	n/a	n/a
541C	n/a	n/a
541B	n/a	n/a
641A	n/a	n/a
641B	n/a	n/a
6401	n/a	n/a
7401	14.08	10.98
7301	15	11.24
7202	15.1	11.53
7201	16.62	11.81
7101	16.5	12.1
8001	17.43	12.43
841A	n/a	n/a
841D	n/a	n/a
841B	n/a	n/a
841C	n/a	n/a
941A	n/a	n/a
941D	n/a	n/a
941B	n/a	n/a
941C	n/a	n/a
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
6902	n/a	n/a
6804	11.91	10.65
6901	n/a	n/a
6803	12.12	10.87
6701	12.4	9.92
6801	n/a	n/a
6702	12.36	11.16
7603	13	11.81
7602	12.5	7
7601	12.94	9.64
7701	12.59	n/a
8701	12.42	7.32
861A	n/a	n/a
861B	n/a	n/a
591B	n/a	n/a
5901	11.58	10.85
5902	11.47	10.6
6905	11.31	10.49
691A	n/a	n/a
691B	n/a	n/a
681B	n/a	n/a
681A	n/a	n/a
6904	11.4	5.6
6903	11.2	-2.43
591A	n/a	n/a
7501	14.26	10.26
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ALS Sewer Map Key

Public Sewer Types (Operated & Maintained by Thames Water)

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

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

Sewer Fittings

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

	Air Valve
	Dam Chase
	Fitting
	Meter
	Vent Column

Operational Controls

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

	Control Valve
	Drop Pipe
	Ancillary
	Weir

End Items

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

	Outfall
	Undefined End
	Inlet

Other Symbols

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

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

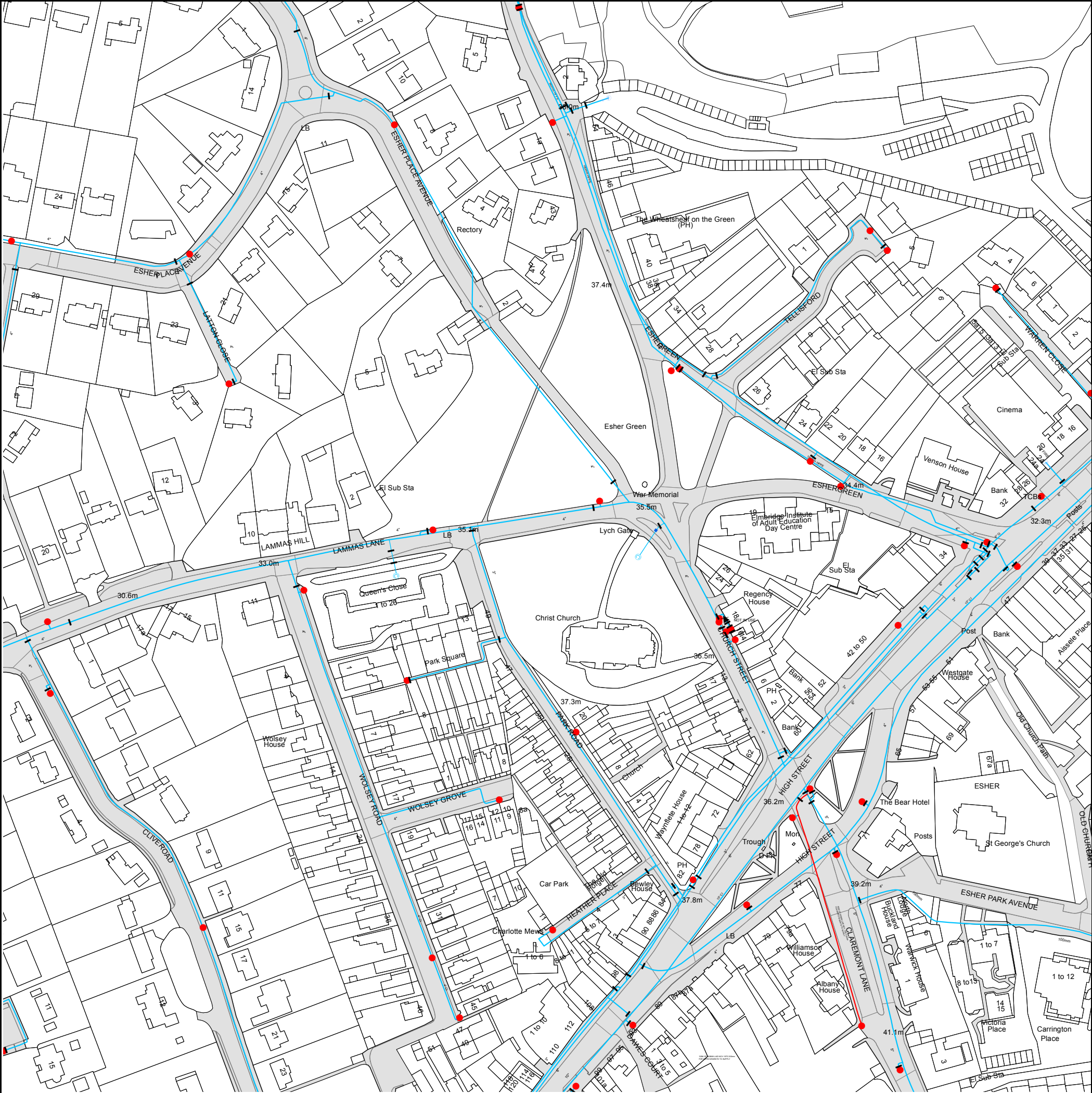
Areas

Lines denoting areas of underground surveys, etc.

	Agreement
	Operational Site
	Chamber
	Tunnel
	Conduit Bridge

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

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



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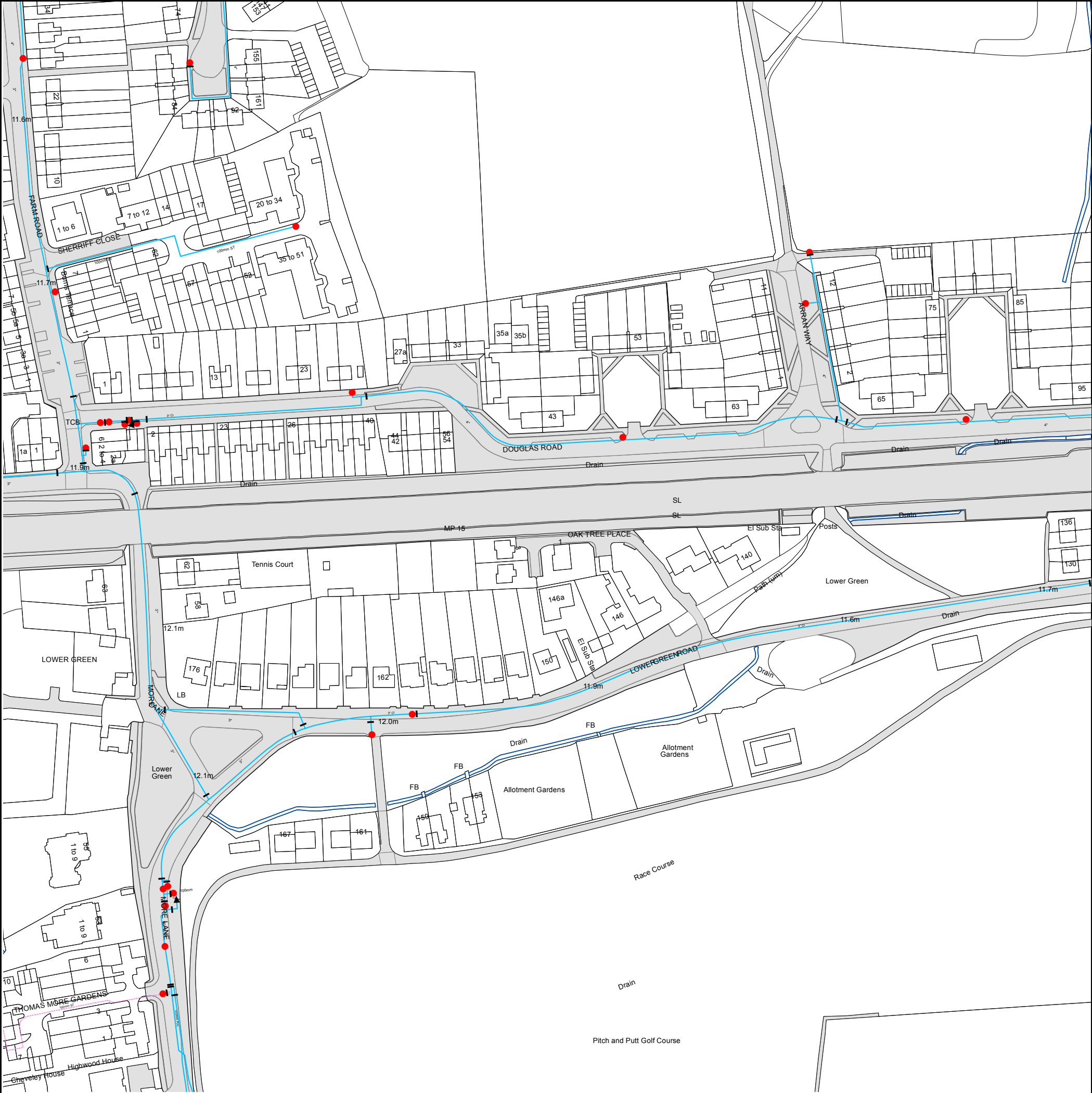
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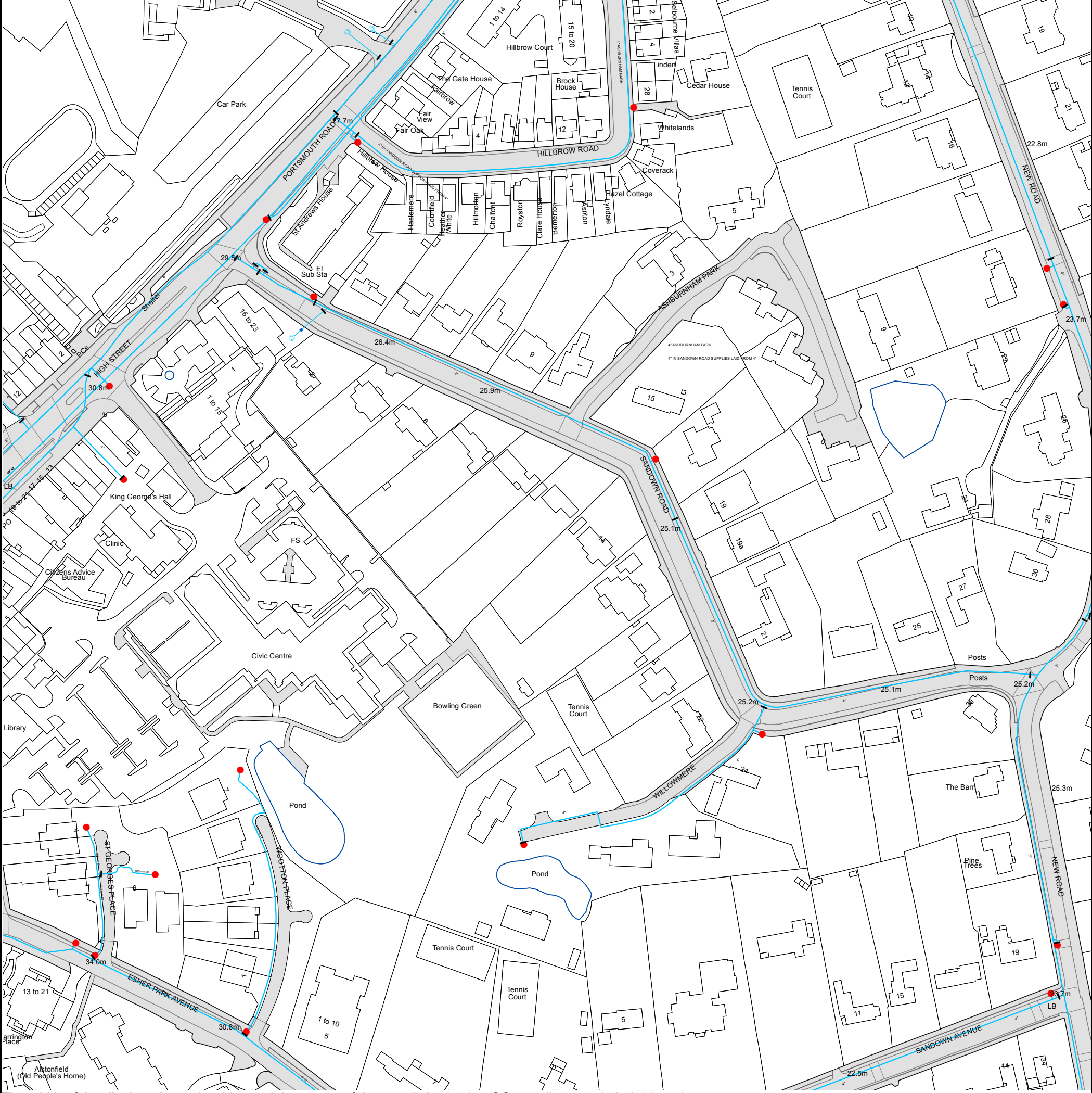
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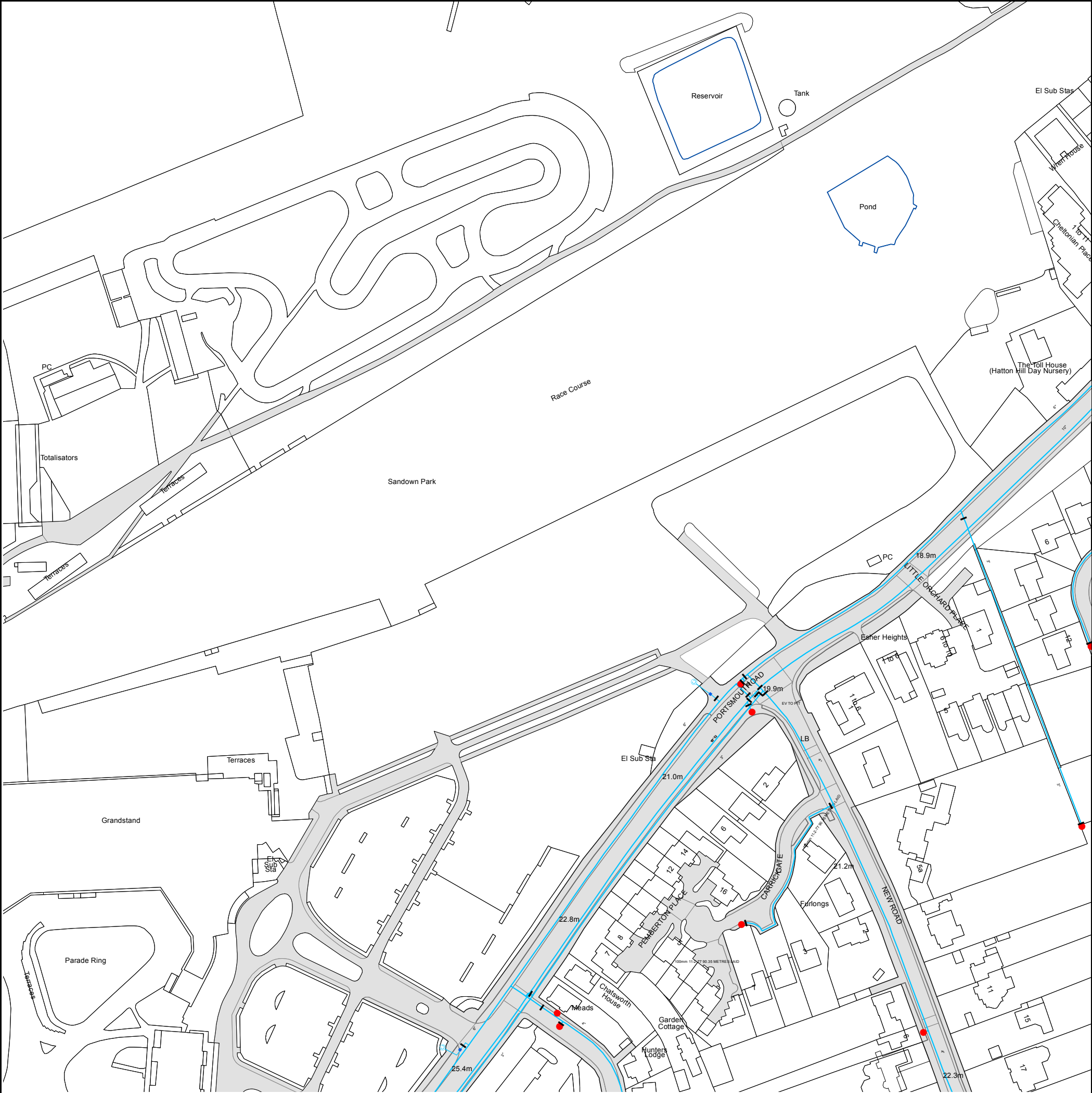
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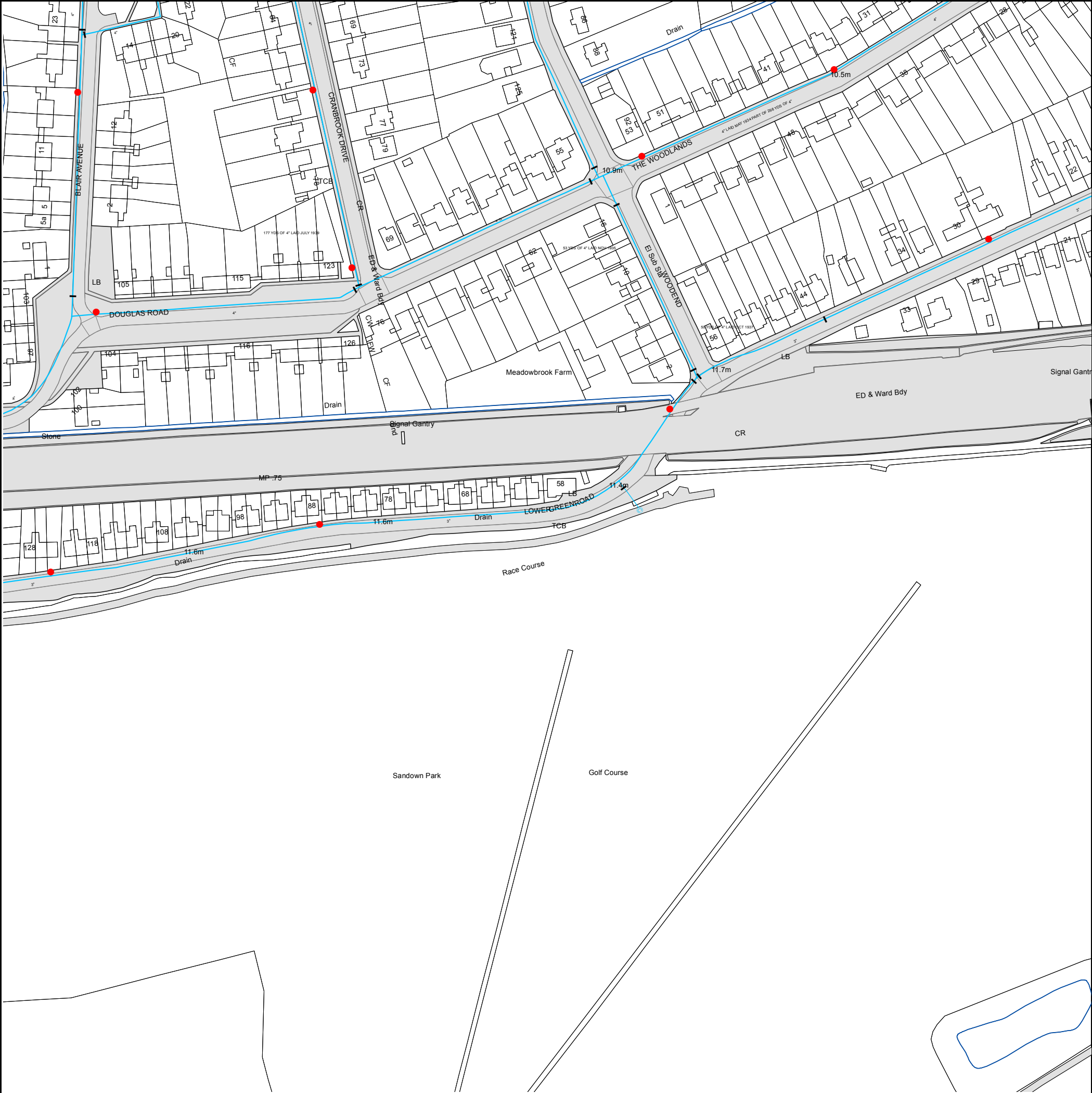
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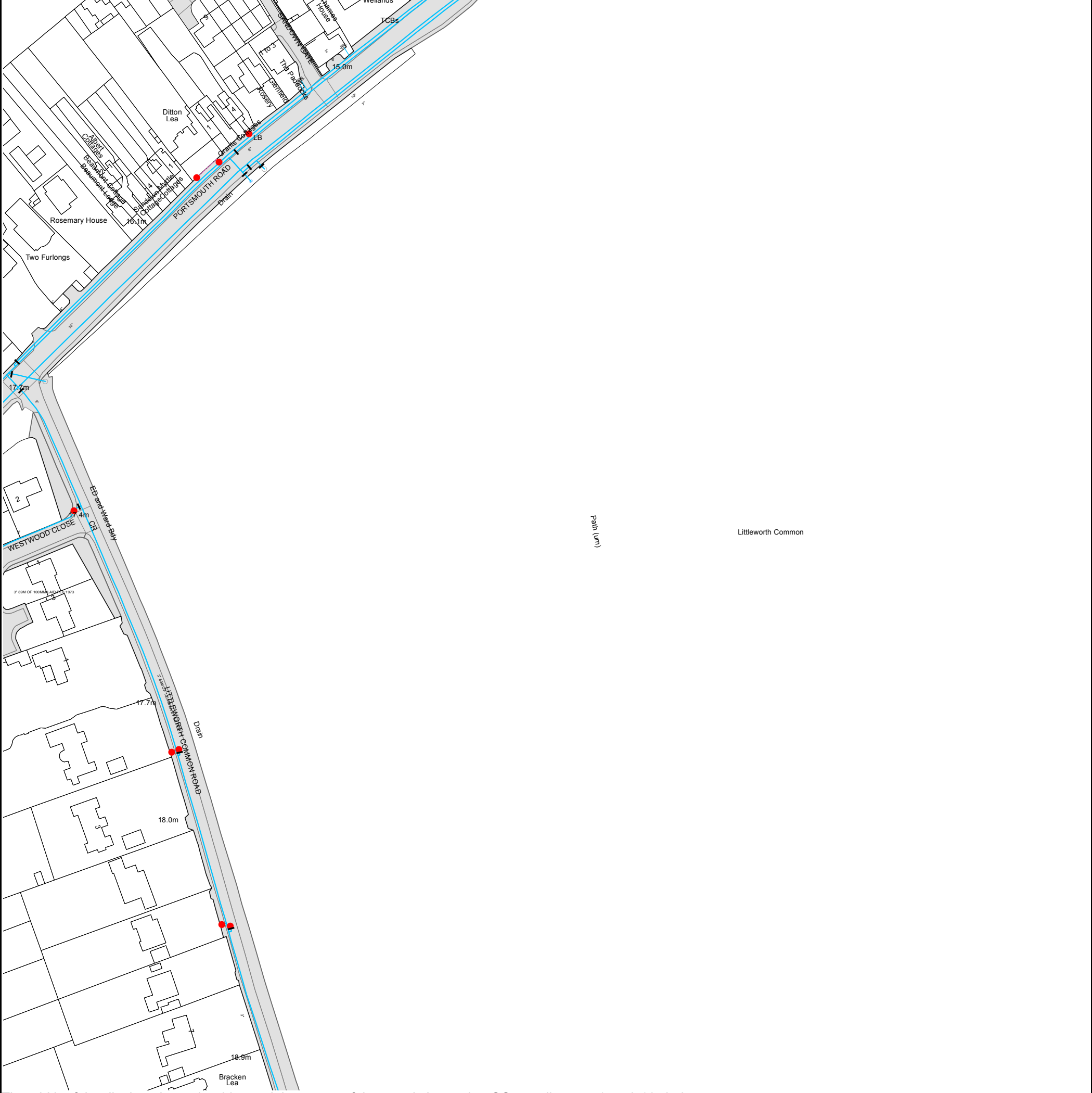
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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 514250,165750

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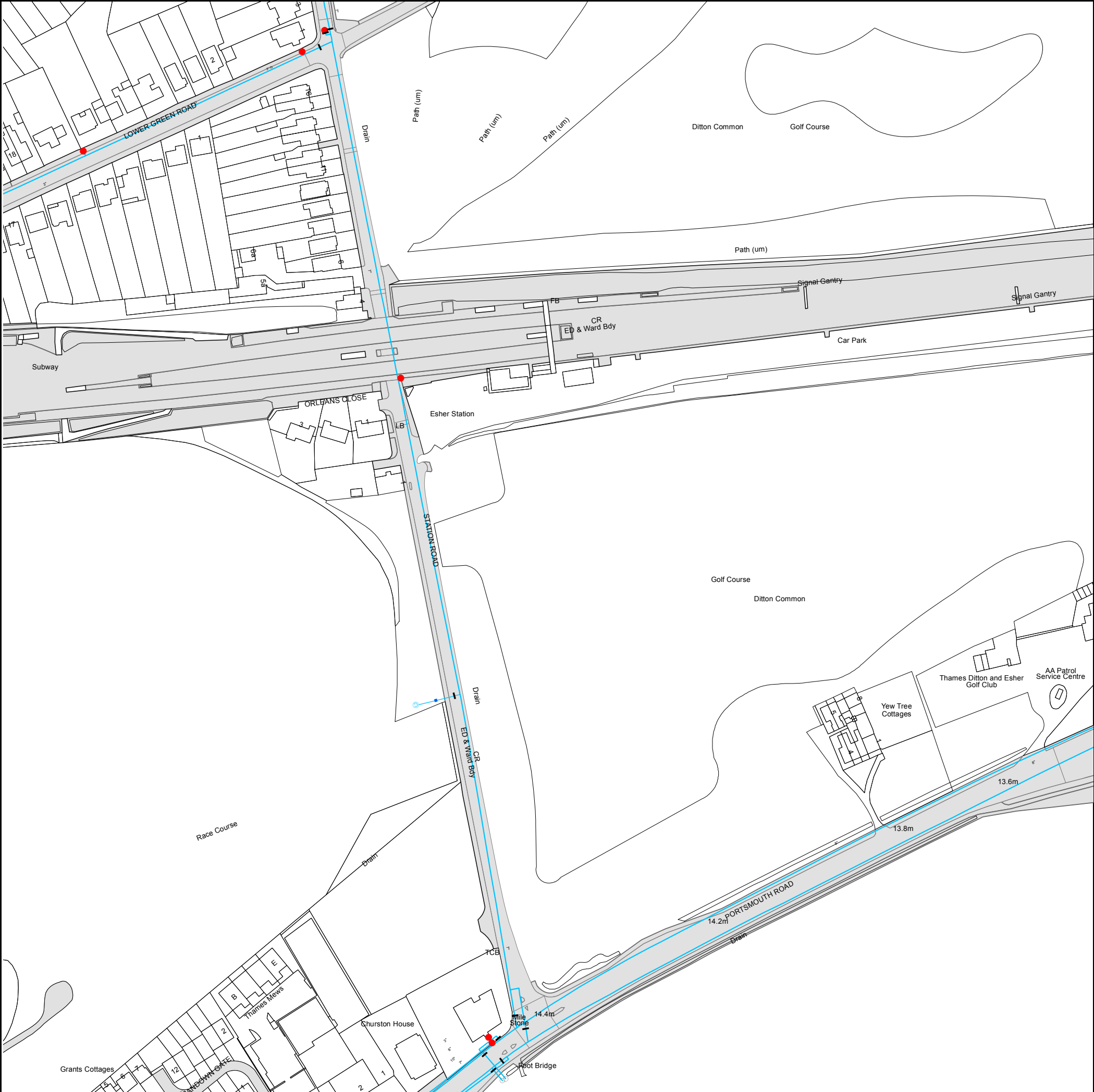
Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 514750,165250

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

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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 514750,165750

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

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



ALS Water Map Key

Water Pipes (Operated & Maintained by Thames Water)

4"	Distribution Main: The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.
16"	Trunk Main: A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
3" SUPPLY	Supply Main: A supply main indicates that the water main is used as a supply for a single property or group of properties.
3" FIRE	Fire Main: Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.
3" METERED	Metered Pipe: A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.
	Transmission Tunnel: A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.
	Proposed Main: A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12" - 24")	1100mm (3' 8")
600mm and bigger (24" plus)	1200mm (4')

Valves

	General Purpose Valve
	Air Valve
	Pressure Control Valve
	Customer Valve

Hydrants

	Single Hydrant
--	----------------

Meters

	Meter
--	-------

End Items

Symbol indicating what happens at the end of a water main.

	Blank Flange
	Capped End
	Emptying Pit
	Undefined End
	Manifold
	Customer Supply
	Fire Supply

Operational Sites

	Booster Station
	Other
	Other (Proposed)
	Pumping Station
	Service Reservoir
	Shaft Inspection
	Treatment Works
	Unknown
	Water Tower

Other Symbols

	Data Logger
--	-------------

Other Water Pipes (Not Operated or Maintained by Thames Water)

	Other Water Company Main: Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.
	Private Main: Indicates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

Terms and Conditions

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

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

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

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

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

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

Ways to pay your bill

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

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

Invoice



Andrew Godfrey
Waterman Building Services
Merchants House
Wapping Road
Bristol
BS1 4RW

Thames Water Utilities Ltd.
PO Box 3189
Slough
SL1 4WW

Customer Reference: N/A

Invoice No: ADS18401659
Our Ref: ALS/ALS
Standard/2018_3910445

Customer Number: ADS131485
Purchase Order No:

Posting Date: 19-11-2018
Due Date: 03-12-2018

Search Address Supplied: Sandown Park, KT10 9AJ

Description of Charges	Qty	Unit Price	VAT (20%)	Amount (Inc VAT)
Asset Location Search	1	£149.40	£29.88	£179.28

Thank you for your payment of
111111

£179.28

OUTSTANDING AMOUNT (Inc. VAT) £0.00

Please send any outstanding amount to Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW.

For queries please contact the Property Searches Customer Support Team on Tel: 0845 070 9148.

VAT Reg. No GB 537456915





Search Code

IMPORTANT CONSUMER PROTECTION INFORMATION

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

The Search Code:

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

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

The Code's core principles

Firms which subscribe to the Search Code will:

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

Complaints

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

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

TPOs Contact Details

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk

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

Pre- planning enquiry

Application form

Please complete this form and return it to us at
developer.services@thameswater.co.uk or
Thames Water, Developer Services, Clearwater Court,
Vastern Road, Reading, RG1 8DB.



Application for a pre-planning enquiry

Please complete all sections of this form in BLOCK CAPITALS

If you're using this form to request a budget estimate, please note that you should be able to calculate the likely charges involved in your scheme by consulting our guide, 'Charging arrangements for new connection services', on our website.

Are you a: Developer Consultant Land promoter (Please tick one.)

Is your application for: Water Wastewater Both (Please tick one.)

Would you like a water budget estimate? Yes No

(We can only offer a wastewater budget estimate after modelling, if required).

A - About the person applying

Company name

Title Mr Mrs Ms Miss Dr Other

First name(s)

Last name

Preferred contact number

Alternative number

Email address

Full postal address Address line 1

Address line 2

Town

County

Postcode

B - Nominated contact

Who should we contact to process your application? Applicant Someone else (Please tick one.)

If someone else:

Company name

Title Mr Mrs Ms Miss Dr Other

First name(s)

Last name

Preferred contact number

Alternative number

Email address

Full postal address	Address line 1	
	Address line 2	
	Town	
	County	Postcode

C - Where the work is taking place

What is the address of the property being connected?	Same as applicant	Same as nominated contact
	Somewhere else	(Please tick one.)

If somewhere else:

Site name

Full postal address	Address line 1	
	Address line 2	
	Town	
	County	Postcode

D - About the site

What is the local authority?

Ordnance Survey grid ref

Type of site	Greenfield	Brownfield	Mixed
--------------	------------	------------	-------

How big is the site?		hectares
----------------------	--	----------

When do you intend to have first occupancy?	MM	YYYY	(Approximate date if necessary)
---	----	------	---------------------------------

E - Planning status (if you've already started the planning process)

Is the development identified in the local plan?	Yes	No	Don't know	If Yes, reference number
--	-----	----	------------	--------------------------

Does it have outline planning permission?	Yes	No	Don't know	If Yes, reference number
---	-----	----	------------	--------------------------

Does it have full planning permission?	Yes	No	Don't know	If Yes, reference number
--	-----	----	------------	--------------------------

Does the development have building regulations permission?	Yes	No	Don't know
--	-----	----	------------

When do you intend to start on site?	MM	YYYY
--------------------------------------	----	------

F - About the water supply

If you're proposing a water storage tank, what is its capacity?

m³

When will you want your first domestic connection laid on?

MM

YYYY

For water supplies, what is the estimated flow rate required for your site?

litres/sec

(Not required if applying only for wastewater.)

G - Existing sewerage connections (Not required if applying only for water.)

	Foul water	Surface water
Does the site have the following sewerage connections?		
What is the type of discharge method?	Gravity	Gravity
	Pumped	Pumped
If sewage is pumped, what is the pump rate?	litres/sec	litres/sec
Amount of existing impermeable area per connection	N/A	
What are the existing connection points? (For example, 'X' number of domestic and commercial properties drain into manhole 'Y' / sewer with diameter of 'Z'.)		

H - Proposed sewerage connections (Not required if applying only for water.)

	Foul water	Surface water
Does the site have the following sewerage connections?		
What is the type of discharge method?	Gravity	Gravity
	Pumped	Pumped
If sewage is pumped, what is the pump rate?	litres/sec	litres/sec
What is your proposed approach to surface water drainage?	N/A	Traditional piped system
		Sustainable drainage system (SuDS)
Do you propose using separate highway and surface water drainage systems?	N/A	Yes No
If the surface water rate is attenuated, to what rate is it attenuated?	N/A	litres/sec
Amount of proposed impermeable area per connection	N/A	
What are the proposed connection points? (For example, 'X' number of domestic and commercial properties drain into manhole 'Y' / sewer with diameter of 'Z'.)		

Please note: The developer is expected to follow the local authority's drainage strategy and be able to demonstrate how the proposed (attenuated) discharge rate of any surface water flows has been calculated. For developments in Greater London, please refer to the London Plan Drainage Hierarchy (Policy 5.13). We will challenge the rates provided if they are not in line with those based on the local drainage strategies.

I - Additional information (where available)

When we're assessing your development needs, it's important that we know what buildings (if any) currently exist on the site. It may be, for example, that the infrastructure serving those properties is already sufficient to cater for your proposed development.

We realise it may be too early in your process to complete this table, but any information you can provide at this stage will help improve the accuracy of our assessment and could prevent us from requesting data in the future.

Property type	Existing site	Proposed site
General housing (units 3 person+)		
Flat (units up to 2 person)		
Primary school (max. pupil capacity)		
Senior school (max. pupil capacity)		
Boarding school (max. pupil capacity)		
Assembly hall (max. capacity)		
Cinema (max. capacity)		
Theatre (max. capacity)		
Sports hall (max. capacity)		
Hotel (total bedrooms)		
Guest house (total bedrooms)		
Motel (total bedrooms)		
Holiday apartment (capacity)		
Leisure park (capacity)		
Caravan park standard (per space)		
Caravan site standard (per space)		
Camping site standard (per space)		
Camping site serviced (per space)		
Public house (max. capacity)		
Restaurant / Day care centre (max. capacity)		
Drive in restaurant (max. capacity)		
Hospital (per bed)		
Nursing / Care home (per bed)		
Offices (gross internal area in m ²)		
Shopping centre (gross internal area in m ²)		
Warehouse (gross internal area in m ²)		
Commercial premises (gross internal area in m ²)		
Manufacturing unit (gross internal area in m ²)		
Other (please state units and description)		

J - Enclose your documents

Please make sure any attachments are in PDF format and don't exceed a total of 20MB in size per email.

All drawings must be of suitable detail and have a drawing reference number on them.

What we need from you to process your application:

Site location plan This should show the site with nearby buildings, roads and any sewers.

Scaled site layout This should show existing and proposed layouts.

Site drainage strategy plan (if available at this stage) This should show all proposed sewers, pipe sizes and gradients.
(Not required if applying only for water.)

Please also let us know if you have a **schedule of planned works** showing how you might phase your development.

Please note, without this information we may need to make assumptions about your requirements when calculating your budget estimate (if requested).

K - How we'll use this information

We'll use the information you give on this application form, and potentially share it with our delivery partners, to provide the service you've requested.

This could include contacting you to discuss your application and/or provide more details, visiting the site where work needs to be carried out, and invoicing you when appropriate. Your feedback is important to us, so we may also use the information to ask for your feedback on how we can improve our performance.

We won't use this information for marketing purposes without contacting you to seek your consent.

You can find Thames Water's privacy policy at thameswater.co.uk/Legal/Privacy.

L - Declaration

I confirm to the best of my knowledge that the information in this application is complete and correct.

Print name

Position within company

Company

Date

Signature

Submitting your application

Please email your completed form to developer.services@thameswater.co.uk or send it to Thames Water Developer Services, Clearwater Court, Vastern Road, Reading RG1 8DB.

Once we've assessed your application, we'll write to tell you the result within 21 calendar days.

Where we know there's sufficient capacity we'll tell you, but if we're concerned there may not be, we'll advise you of the next steps. We'll also let you know if we need further information from you.

Getting in touch

For enquiries regarding this application or any other questions relating to your building or development work please contact us on:



thameswater.co.uk/developerservices



developer.services@thameswater.co.uk



0800 009 3921

Monday – Friday, 8am – 5pm



Thames Water, Developer Services, Clearwater Court,
Vastern Road, Reading, Berkshire RG1 8DB



This leaflet can be supplied in braille or audio-tape upon request.



Area 3
90 no. 284P Flats
18 no. 385P Flats

Area 1
5 no. 182P Flats
10 no. 284P Flats

Area 2
15 no. 182P Flats
26 no. 284P Flats

Area A
Renovate Existing Facilities
New Staff Accommodation
Equivalent to 20 no. 182P Flats

Area B
150 Room Hotel

Area 5
36 no. 182P Flats
32 no. 284P Flats

Area 4
59 no. 284P Flats
13 no. 385P Flats

Area C
Soft Play and Cafe

Flats total

182P 76*
284P 217
385P 31

* Includes 20 no. equivalent for Area A

SANDOWN PARK
Area Plan

NTS

existing to remain
current connections
unknown

Area B

150 Room Hotel

Assume 300 guests @ 140 €/day
100 staff @ 55 €/day
= 47,500 €/day

Fall 2001

S No.	1829	Domestic
1000.	7849	Domestic

150 L/person/day - 1,500 yd³
Foul connection AT 7901

6091 VALAR
20 No. 182P

$$150 \text{ L/person/day} = 6,000 \text{ L/day}$$

15 No.	182P	DOMESTIC
26 No.	284P	DOMESTIC

$$150 \text{ €/person/day} = 20,100 \text{ €/day}$$

Area A, B, 142

Scale 1:2000 @ A3

NORTH



LOWER GREEN

90 No. 284P Domestic
18 No. 385P Domestic
150 U/person/day = 67,500 U/day

FOUR CONNECTION TO MAINS 5561
ASSUMED
POTENTIAL CONNECTION TO 87018
AT 5602?

EXISTING 6 No. HOUSES, FOUR
CONNECTION UNKNOWABLE
TO BE DEMOLISHED

PROPOSED FAULTS (ASSUMED)
EXISTING 700 5601

AP6A 3
1:1000 @ A3

SURREY COUNTY

SOUTH EAST EER

ELMBRIDGE DISTRICT

ESHER

EAST MOLESEY AND ESHER ED

ESHER AND WALTON BORO CONS

Sandown Park

Race Course

Lower Green



59 No. 284P ~~Flats~~ Domestic
13 No. 385P Domestic
150 C/person/day = 45,150 C/day
Foul connection to MH7601
Assumed
(Gravity Assumed)

Proposed route (Assumed)
Existing T13 Sewer

Scale 1:10,000 @ A3
North

Soft pay & CAFE
Assume 100 covers/day @ 7 w/day
= 700 w/day

36 No. 152P DOMESTIC
32 No. 204P DOMESTIC
150 C/person/den = 39,000 C/den

musket
30 pupils @ 15¢/day
= 450¢/day

Four connections
to 5301
Assumed
(Gravity)

Poster TO AP6A B

AP6A 5 A AP6A C

1:2000 @ A3

2017



Andrew Godfrey
Waterman Infrastructure & Environment Ltd
Merchants House, Wapping Road
Bristol
BS1 4RW

-  **DS reference** DS6056773
-  **developer.services@thameswater.co.uk**
-  **08000 093 921**
Mon-Fri 8am-5pm
-  **thameswater.co.uk/developerservices**

02 January 2018

Your clean water budget estimate

Site location: Sandown Park, Portsmouth Road, Esher KT10 9AJ

Dear Mr Godfrey

Thank you for your correspondence dated 21 December 2018 regarding the above development consisting of 304 flats, 1 staff accommodation and 1 hotel.

Please note that you are now able to calculate the likely charges involved in your scheme by consulting our guide, 'Charging arrangements for new connection services'.

<https://developers.thameswater.co.uk/New-connection-charging>

Please be aware that this report is based upon the details and drawings provided. If there are any subsequent changes to the details and information on your drawing, the contents of this report will become invalid and a new assessment will be needed.

We've listed below the approximate costs to serve the site.

Finding your best fit

When arranging supplies for your site, we want you to choose the installer that best suits your needs and timescales. This may or may not be us.

Independent self-lay providers could be able to offer cost-effective terms and fit in better with your construction programme, and might also be able to install multiple utilities. You can find out more about the self-lay option at

developers.thameswater.co.uk/Developing-a-large-site/Using-a-self-lay-provider

NAVs are companies that can become new water and/or wastewater providers within an existing water company's region to serve specific customers or developments. You may be able to use a NAV if you meet criteria defined by Ofwat. To find out more, visit Ofwat's website at

ofwat.gov.uk/regulated-companies/markets/nav-market or our website at <https://wholesale.thameswater.co.uk/wholesale-services/wholesale-providers>



Contaminated land

If our assessment of your full soil report deems the site to be 'contaminated', you'll need to install mains and service connections using barrier pipe, rather than plastic pipe.

What to do next

If you'd like to proceed with your design, you can apply for a formal quotation for water supply to developer.services@thameswater.co.uk for the attention of the self-lay team or design team.

For more information, see developers.thameswater.co.uk/domestic-and-small-commercial/water-supply/new-or-replacement-water-supply/how-to-get-a-quote.

Network capacity

Please find attached the standard network response letter.

Fire hydrant and sprinkler demand

Please note that we aren't able to confirm whether a fire hydrant or sprinkler demand can be accommodated on a new connection. **You'll need to contact an independent consultant or specialist company for hydrant testing for fire-fighting purposes.**

Working near our assets

If you're planning significant work near our assets, it's important you minimise the risk of damaging them. You can find more information at developers.thameswater.co.uk/domestic-and-small-commercial/building-near-pipes.

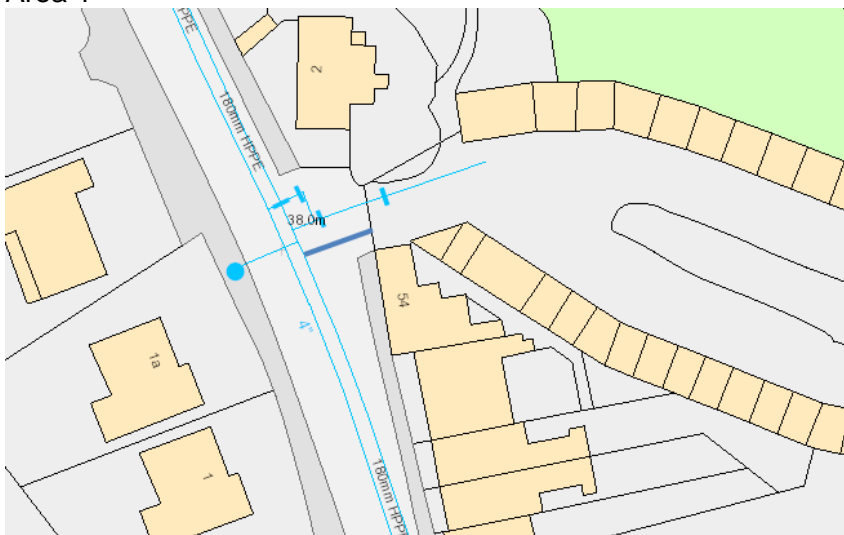
Diversions

From our records, we don't anticipate that any clean water assets need to be diverted to accommodate your proposals.

Please note however that any diversions which are needed will be charged at full cost, payable in advance.

New points of connection location

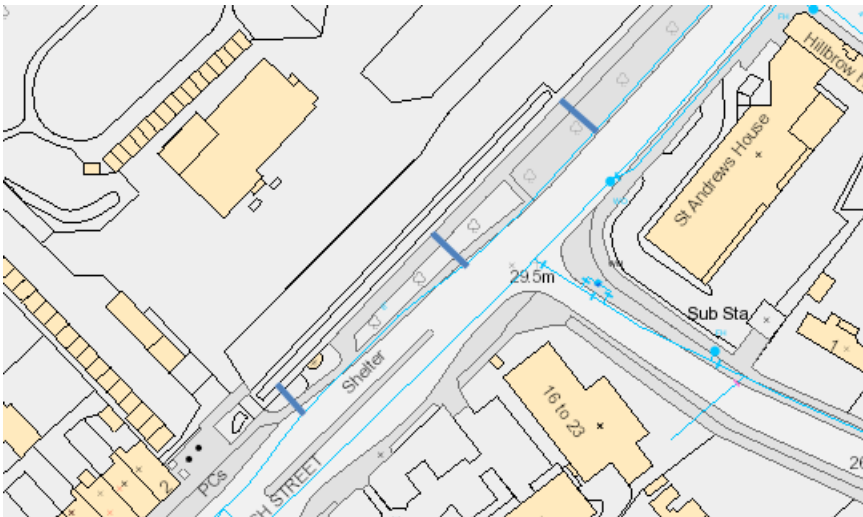
Area 1



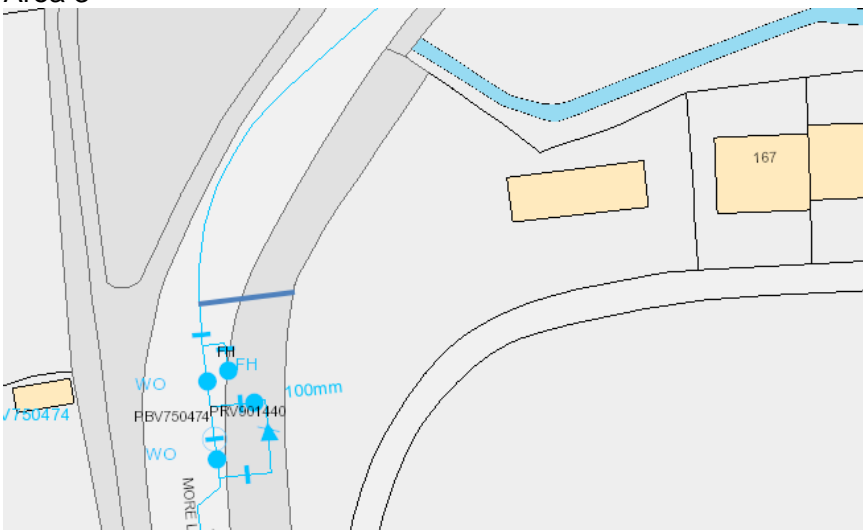
Area B



Areas 2 and A



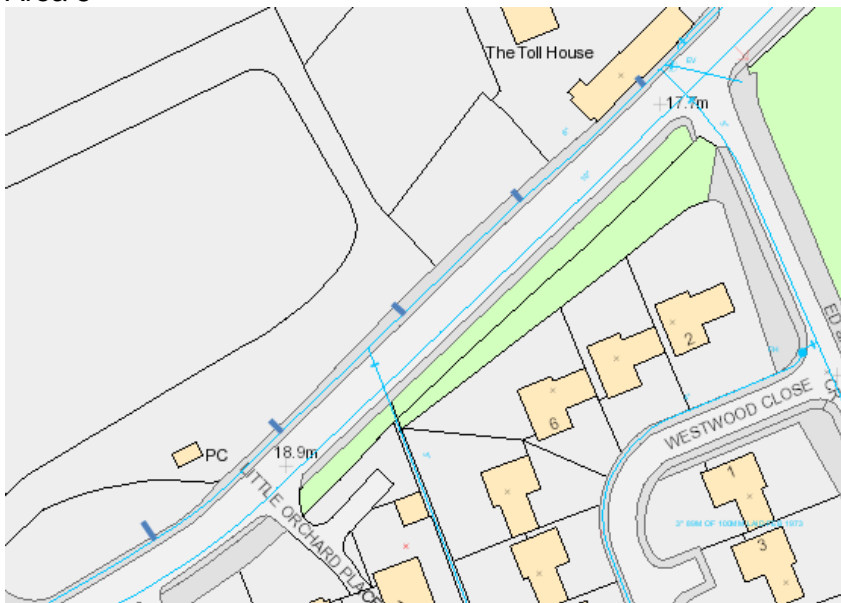
Area 3



Area 4



Area 5



New mains and water supply connections cost

There are two options available for installation of mains and water supply connections:

- Self-lay option, where a self-lay provider carries out the work on our behalf and we adopt the asset once completed. Self-lay providers are independent companies who you can ask to provide competitive quotes, and may be able to offer more flexible timescales, or be able to install multiple utilities.
- Statutory option, where we carry out the work.



Table 1. Budget cost for works undertaken:

Activity required	Self-lay budget cost	Statutory budget cost
Area 1 1x50mm bulk supply and delivery of 15 internal revenue meters for 15 flats	Total: £1,350.00+VAT 15x20mm diameter meter, supply to be laid by the Self Lay Company	Total: £5,340.00
Area 2 2x63mm bulk supplies and delivery of 41 internal revenue meters for 41 flats	Total: £3,690.00+VAT 41x20mm diameter meters, supply to be laid by the Self Lay Company	Total: £10,592.00
Area 3 Lay approximately 290 metres of 125mm diameter HPPE water main in carriage way, foot path and unmade ground 9x50mm bulk supplies and delivery of 108 internal revenue meters for 108 flats	Total: £66,100.00 Asset Payment: £57,337.00 Total: £9,720.00+VAT 108x20mm diameter meters, supply to be laid by the Self Lay Company The above costs are only applicable if the site is requisitioned as one package	Total: £66,100.00 DAD: £4,013.00 Total: £19,620.00+VAT The above costs are only applicable if the site is requisitioned as one package
Area 4 1x90mm bulk supply and delivery of 72 internal revenue meters for 72 flats	Total: £6,480.00+VAT 72x20mm diameter meters, supply to be laid by the Self Lay Company	Total: £12,158.00
Area 5 5x50mm bulk supplies and delivery of 68 internal revenue meters for 68 flats	Total: £6,120.00+VAT 68x20mm diameter meters, supply to be laid by the Self Lay	Total: £15,990.00



	Company	
Area A 1x63mm metered supply for 1 staff accommodation	Total: £240.00+VAT 1x50mm diameter meter, supply to be laid by the Self Lay Company	Total: £4,196.00+VAT
Area B 1x90mm metered supply for 1 hotel	Total: £300.00+VAT 1x80mm diameter meter, supply to be laid by the Self Lay Company	Total: £5,254.00+VAT

- Total: shows a total cost of the scheme
- DAD: Discounted Aggregate Deficit – shows the lump sum contribution payable by the developer towards the scheme cost
- Asset payment: shows the forecast sum to be paid to self-lay provider for asset installed and adopted by us

Infrastructure and network charges

Area 1

Infrastructure Charges:

15 x £140 for Water Infrastructure Charges =	£2,100.00
15 x £210 for Sewerage Infrastructure Charges =	£3,150.00

Area 2

Infrastructure Charges:

41 x £140 for Water Infrastructure Charges =	£5,740.00
41 x £210 for Sewerage Infrastructure Charges =	£8,610.00

Area 3

Infrastructure Charges:

102 x £140 for Water Infrastructure Charges =	£14,280.00
102 x £210 for Sewerage Infrastructure Charges =	£21,420.00

6 infrastructure charge credits have been applied for existing 6 houses to be demolished

Area 4

Infrastructure Charges:

72 x £140 for Water Infrastructure Charges =	£10,080.00
72 x £210 for Sewerage Infrastructure Charges =	£15,120.00

Area 5

**Infrastructure Charges:**

68 x £140 for Water Infrastructure Charges =	£9,520.00
68 x £210 for Sewerage Infrastructure Charges =	£14,280.00

Area A

Infrastructure Charges:

20 x £140 for Water Infrastructure Charges =	£2,800.00
20 x £210 for Sewerage Infrastructure Charges =	£4,200.00

Area B

Infrastructure Charges:

100 x £140 for Water Infrastructure Charges =	£14,000.00
100 x £210 for Sewerage Infrastructure Charges =	£21,000.00

Please note for commercial buildings, infrastructure charges will be calculated based on actual water fittings and loading units.

Building water

It's important that you contact us before you start using water on your building work. If you don't, we'll base your charges on 0.17 per cent of the contract value. For more details visit developers.thameswater.co.uk/domestic-and-small-commercial/water-supply/water-for-building-work

Water quality and hardness

You can check water quality in your area at secure.thameswater.co.uk/dynamic/cps/rde/xchg/corp/hs.xsl/899.htm

Asset location search

You can contact our Property Searches team to request an asset location search (for which a fee is payable) showing where any nearby mains, sewers and other equipment is situated. Please visit thameswater-propertysearches.co.uk or call 0845 070 9148.

Disconnection

If you'd like to permanently disconnect your existing water supply, please apply at secure.thameswater.co.uk/dynamic/cps/rde/xchg/corp/hs.xsl/15131.htm

Important note about this estimate

Please note all information enclosed in this letter is for budgetary purposes only and should by no means be taken as the actual cost for serving this development site.

I hope you find this information helpful. If you've any further queries, please don't hesitate to contact us.

Yours sincerely,

Nick Lazarow

Thames Water
Developer Services – Customer Experience Team



developer.services@thameswater.co.uk

0800 009 3921



Andrew Godfrey
Waterman Infrastructure & Environment Ltd
Merchants House, Wapping Road
Bristol
BS1 4RW



02 January 2018

Pre-planning enquiry: Capacity concerns

Sandown Park, Portsmouth Road, Esher KT10 9AJ

Dear Mr Godfrey

Thank you for providing information on your development consisting of 304 flats, 1 staff accommodation and 1 hotel.

We've assessed your proposals and concluded from our initial review that our supply network will have enough capacity to supply the development in Area 4 (72 flats) and the first 52 flats in the remaining areas, but unfortunately we're unable to meet the needs of your **full** development at this time.

In order to ensure we make the appropriate upgrades – or 'off-site reinforcement' – to serve the remainder of your development, we'll need to carry out modelling work and, if required, design a solution and build the necessary improvements. This work is done at our cost.

How long could modelling and reinforcement take?

Typical timescales for a development of your size are:

Modelling: 6 months
Design: 6 months
Construction: 6 months
Total: 18 months

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

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

We're responsible for funding any modelling and reinforcement work. We need, though, to spend our customers' money wisely, so we'll only carry out modelling once we're confident that your development will proceed.

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

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

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

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

What do I need to do next?

If you've satisfied the points above, then you should compare your own timeline with the typical timescales we've suggested for our activities. If the time you're likely to take from planning and construction through to first occupancy is **more** than the total time we're likely to take, we'll be able to carry out the necessary upgrades in time for your development.

If it's **less** than this, you might want to ask us to start modelling earlier – in which case we'll require you to underwrite the cost, as noted above.

Please note that you must keep us informed of any changes to your design – for example, an increase in the number or density of homes. Such changes could mean there is no longer sufficient supply capacity.

If you've any further questions, please contact me on 0800 009 3921

Yours sincerely

Nick Lazarow

Thames Water



Andrew Godfrey
Waterman Group
Merchants House
Wapping Road
Bristol
BS4 1RW



Our ref: DS6056771



0800 009 3921

Monday to Friday, 8am to 5pm

14th January 2019

Pre-planning enquiry: Confirmation of sufficient capacity

Site Address: Sandown Park Racecourse, Portsmouth Road, Esher, KT10 9AJ

Dear Mr Godfrey,

Thank you for providing information on your development for 324 residential dwellings, a 150 room hotel and a 525m² commercial premises on the existing racecourse land.

We have completed the assessment of the foul water flows and surface water run-off based on the information submitted in your application with the purpose of assessing sewer capacity within the existing Thames Water sewer network.

Foul Water

If your proposals progress in line with the details you've provided, we're pleased to confirm that there will be sufficient sewerage capacity in the adjacent foul water sewer network to serve your development.

This confirmation is valid for 12 months or for the life of any planning approval that this information is used to support, to a maximum of three years.

Please note that you must keep us informed of any changes to your design – for example, an increase in the number or density of homes. Such changes could mean there is no longer sufficient sewerage capacity.

Surface Water

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

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

Discharges shall then be attenuated to reduce the likelihood of flooding downstream of the point of connection. As a guide a discharge rate of 5 litres/second/Hectare will be use, in most instances, however more onerous constraints may be imposed to fit local circumstances.

Thames Water Planning team would ask to see why this is not practicable on the site if they are consulted as part of any planning application.

We would encourage techniques such as green roofs and/or permeable paving that restricts surface water discharge from your site.

Please note that the Local Planning authority may comment on surface water discharge under the planning process.

Please Note

All connection requests are subject to a full Section 106 (Water Industry Act 1991) application before the Company can confirm approval to the connection itself. Please also note that capacity in the public sewerage system cannot be reserved. Please make sure you submit your connection application giving us at least 21 days' notice of the date you wish to make your new connection/s.

The discharge of non-domestic effluent is not permitted until a valid trade effluent consent has been issued by Thames Water. If anything other than domestic sewage is discharged into the public sewers without the above agreement an offence is committed and the applicant will be liable to the penalties contained in Section 109(1) (WIA 1991).

Applicants should contact Trade Effluent prior to seeking a connection approval, to discuss trade effluent consent and conditions of discharge. A Trade Effluent reference number should be obtained and included in the relevant box of the attached application form. The address for Trade Effluent is - Thames Water Utilities Limited, Waste Water Quality, Crossness Sewage Treatment Works, Belvedere Road, Abbeywood, London. SE2 9AQ. Alternatively you can telephone them on 020 8507 4321.

The views expressed by Thames Water in this letter are in response to this pre development enquiry at this time and do not represent our final views on any future planning applications made in relation to this site.

Yours sincerely,



Jonathan Shildrick BSc
Development Engineer
Developer Services



H. BT OPENREACH RESPONSE

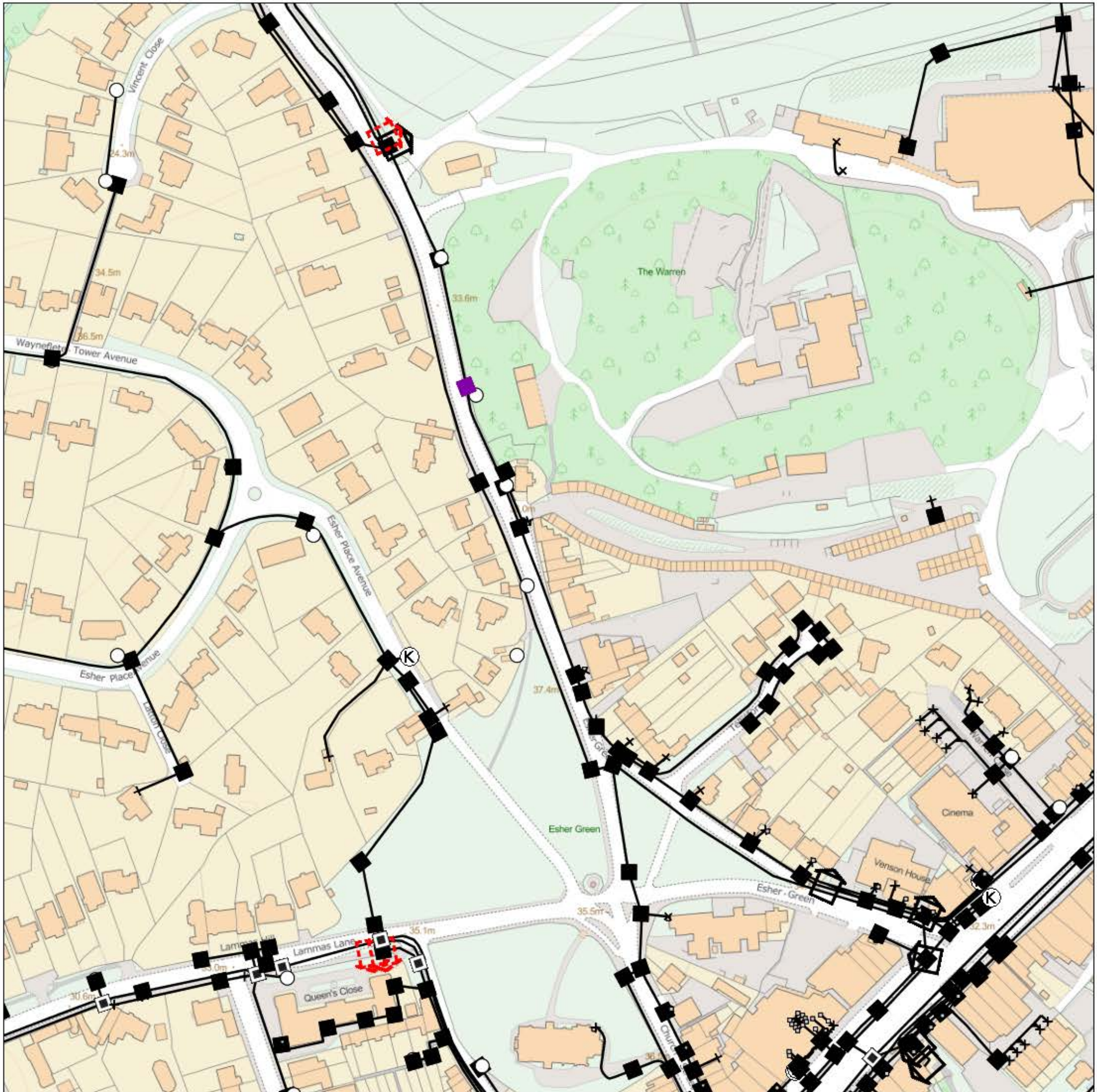
Appendices

Sandown Park Redevelopment

WIE15367-100

WIE15367-100-R-1-2-2-Utilities

Maps by email Plant Information Reply



IMPORTANT WARNING

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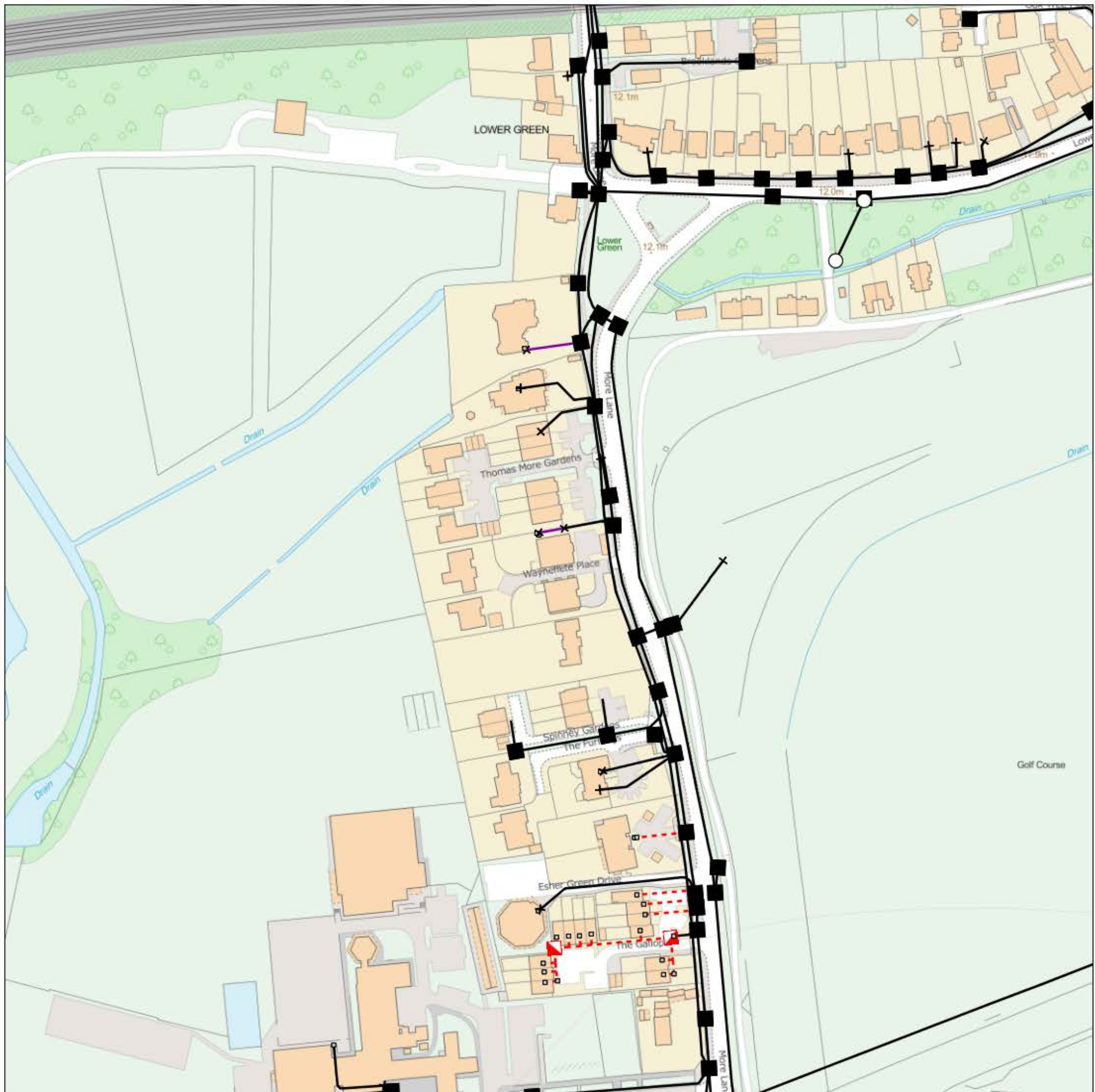
KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk	K	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 : PYT11127X
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Easting/Northing : (centre) 513774,164932
Issued : 16/11/2018 11:12:48

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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.			
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Power Duct				N/A		

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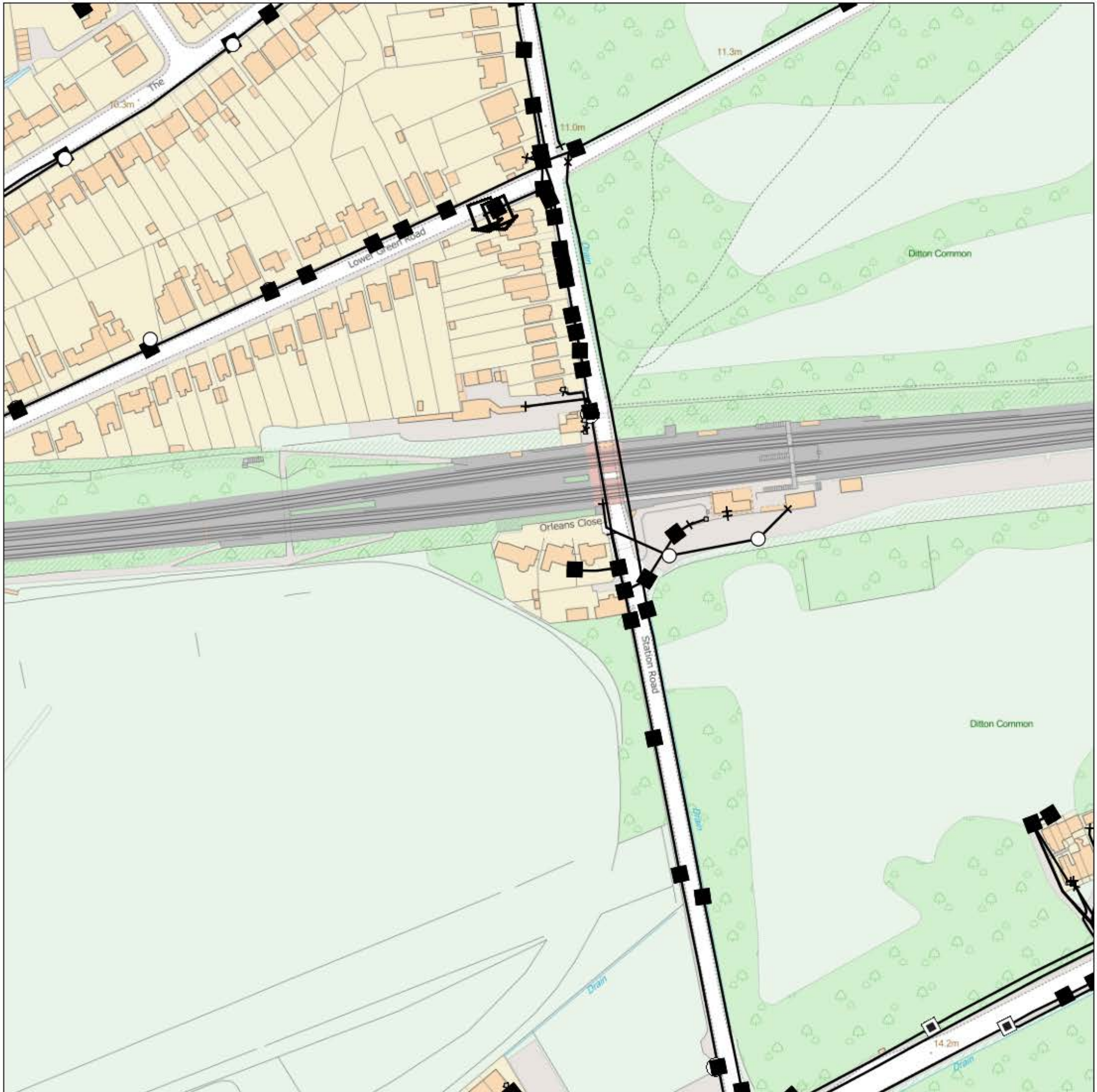
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KEY TO BT SYMBOLS

	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.			
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Power Duct				N/A		

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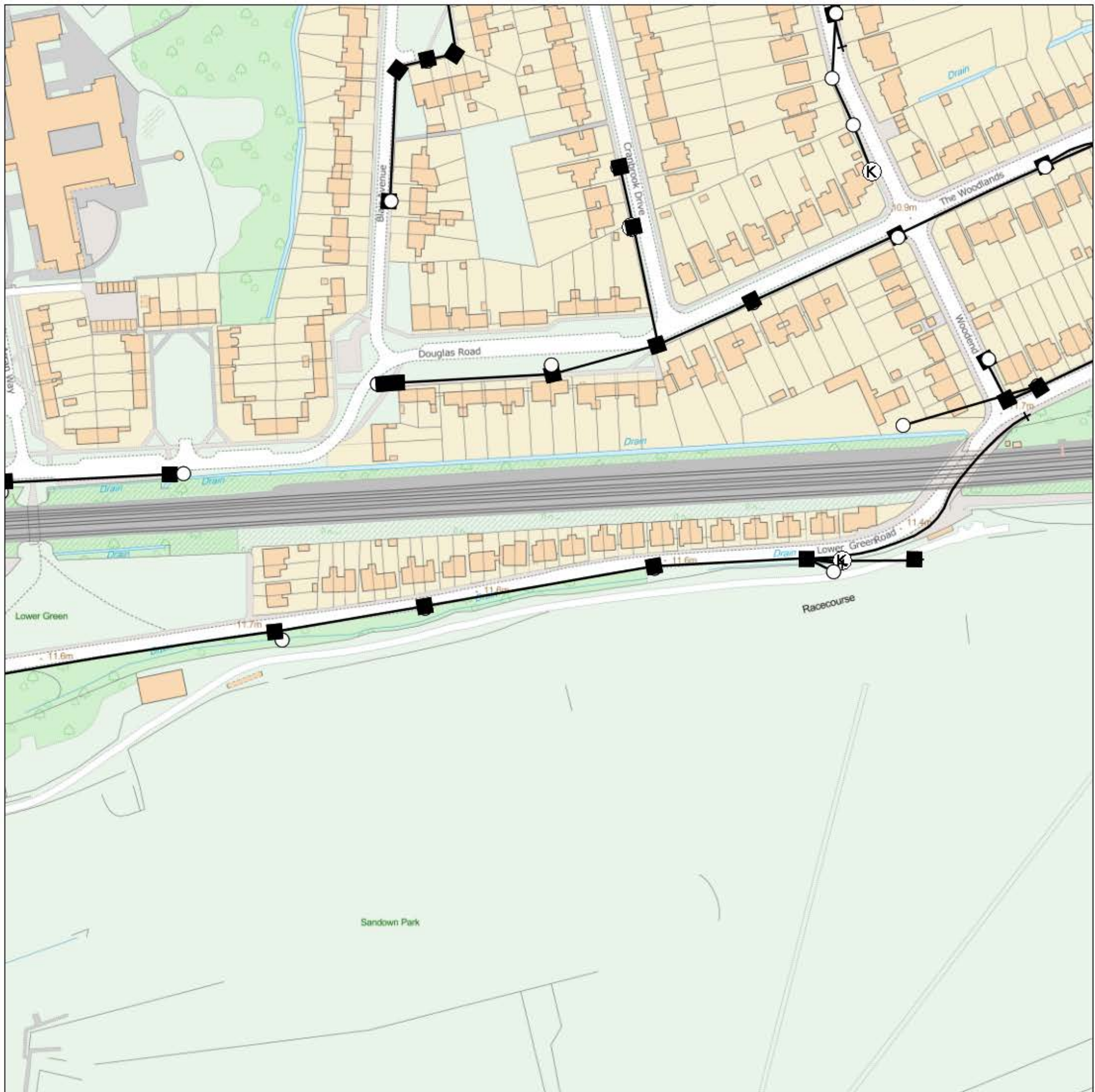
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Issued : 16/11/2018 11:13:29

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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.			
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Power Duct				N/A		

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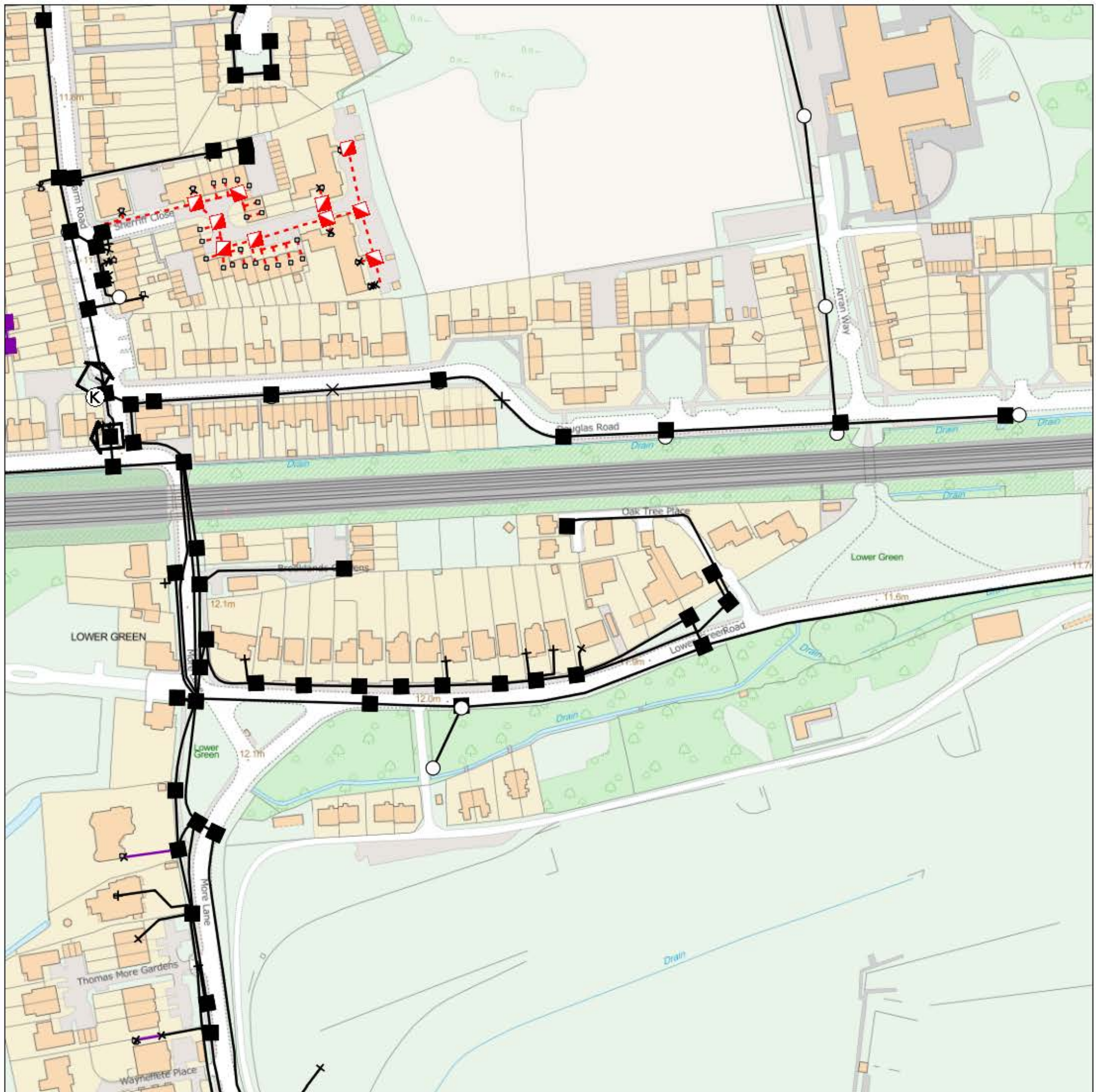
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Maps by email Plant Information Reply



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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.			
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Power Duct				N/A		

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Issued : 16/11/2018 11:13:08

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KEY TO BT SYMBOLS

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

BT Ref : MHY11118K

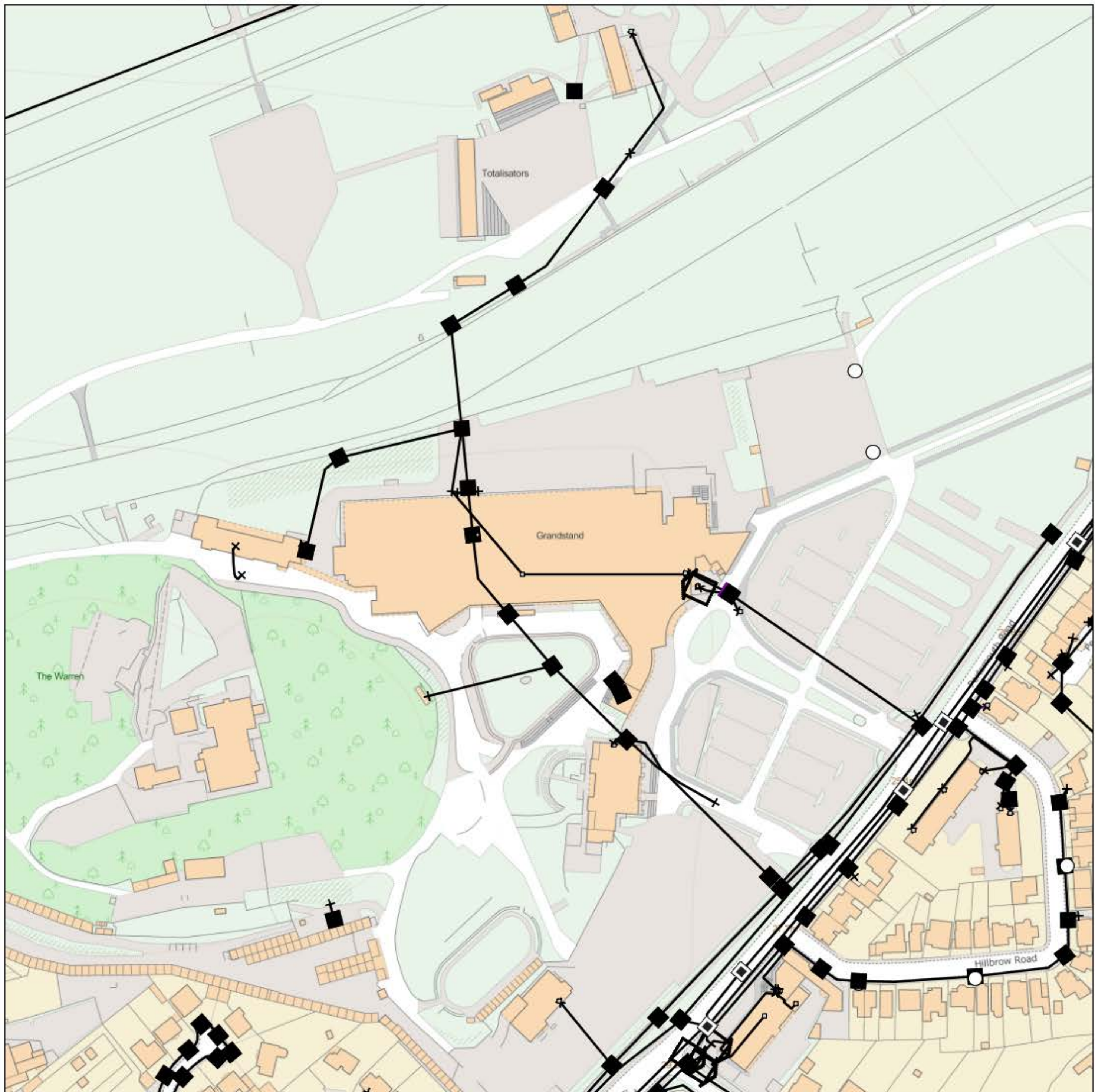
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Easting/Northing : (centre) 514571,165417

Issued : 16/11/2018 11:12:13

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Maps by email Plant Information Reply



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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.			
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Power Cable						
Power Duct				N/A		

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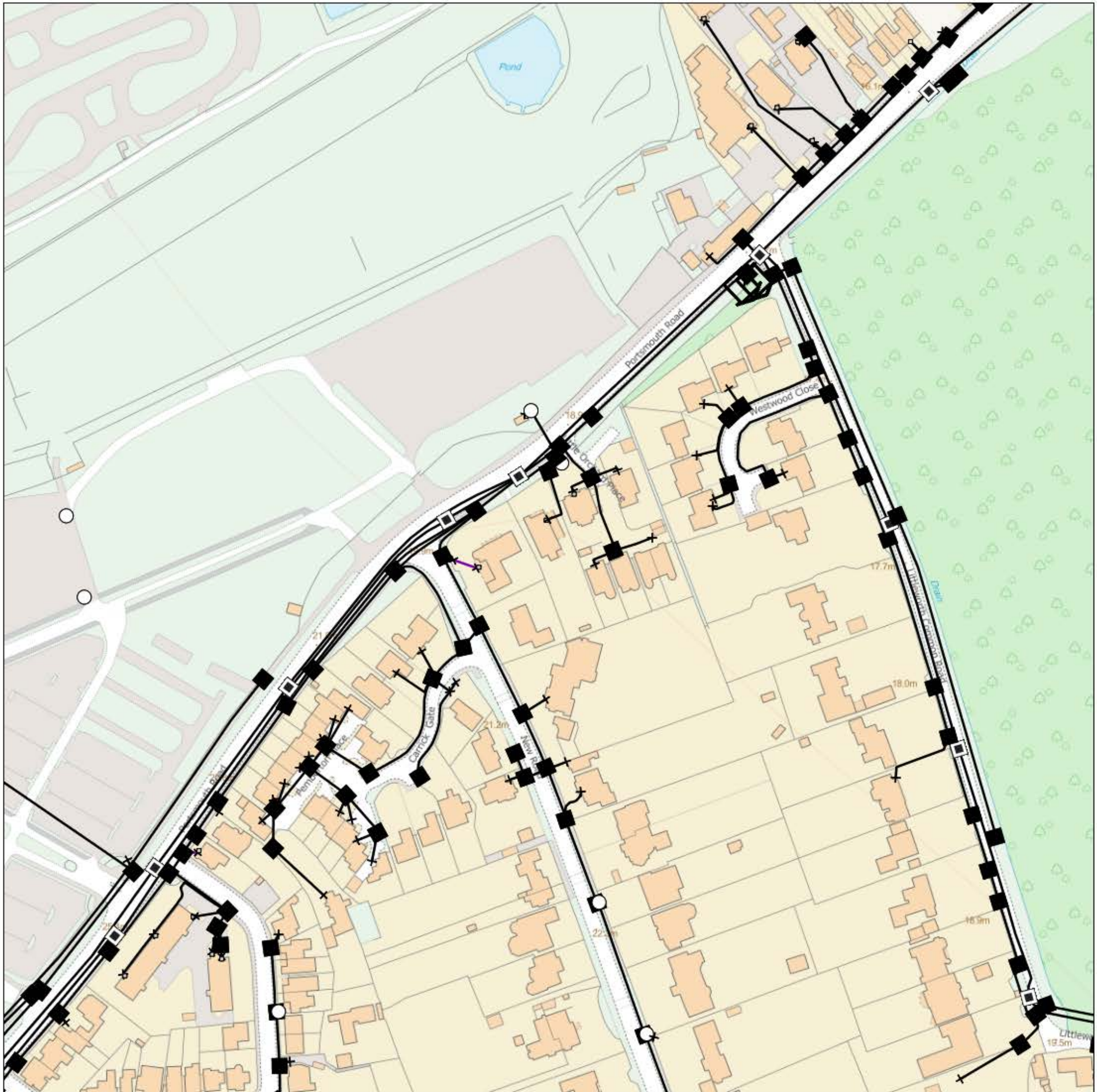
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Easting/Northing : (centre) 514050,165117

Issued : 16/11/2018 10:40:10

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Maps by email Plant Information Reply



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	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.			
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Power Cable						
Power Duct				N/A		

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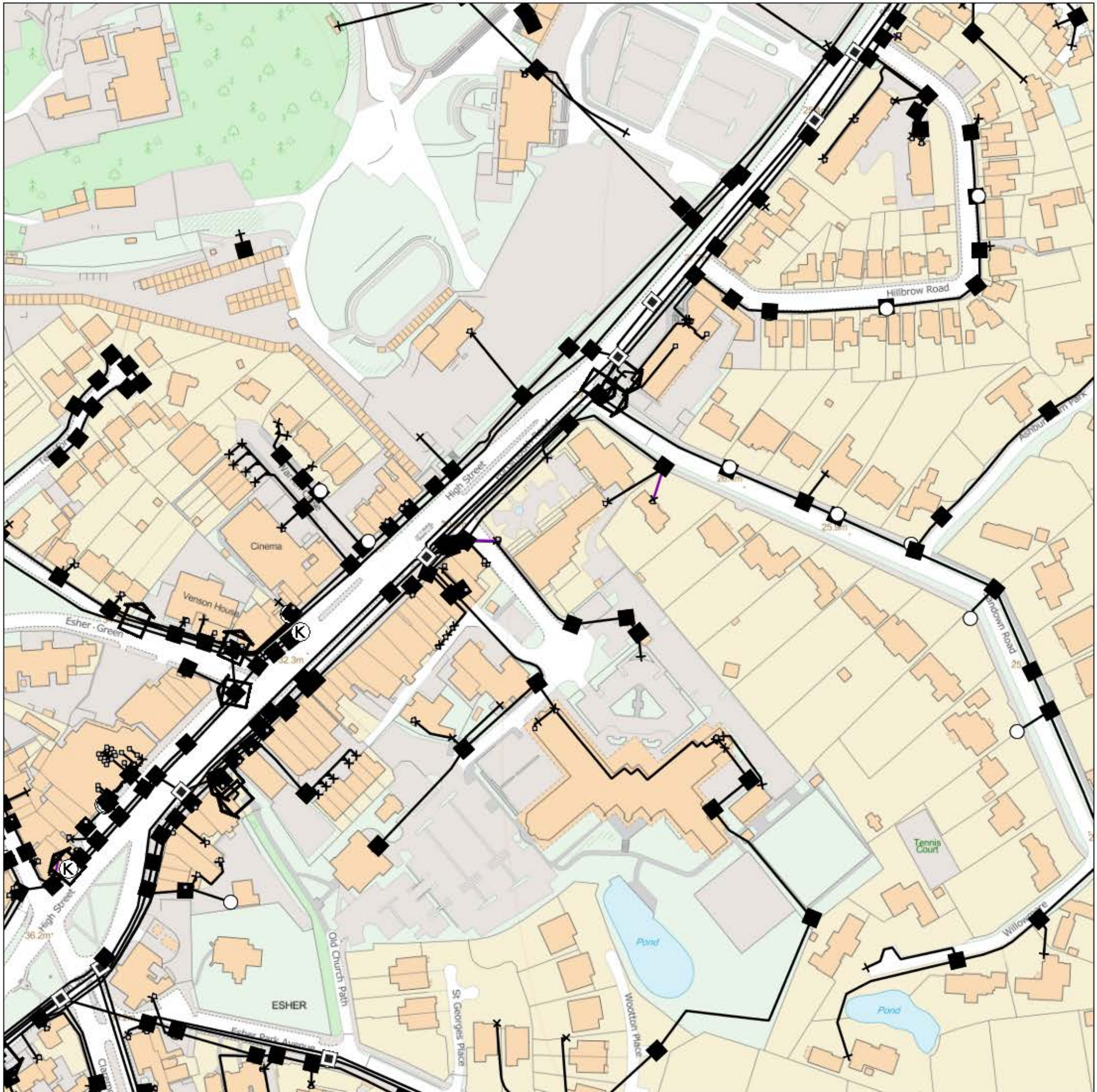
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Easting/Northing : (centre) 514412,165184

Issued : 16/11/2018 11:12:29

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Maps by email Plant Information Reply



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KEY TO BT SYMBOLS

	Planned	Live	State	Matchings
PCP			Split Coupling	
Pole			Duct Tee	
Box			Building	
Manhole			Kiosk	
Cabinet			Duct	
Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.				

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

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Issued : 16/11/2018 11:12:33

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From: noreply@formwize.com [<mailto:noreply@formwize.com>]

Sent: 20 December 2018 16:42

To: NSEO T <nseoe@openreach.co.uk>

Subject: Form 9964-47848 - NEWSITES REGISTRATION FORM

Survey ID

9964

Ticket No

47848

Entered

20-Dec-18 04:41 PM

1) Please select the type of enquiry you would like to make.

A NEW SITE THAT WILL BE BUILT IN ONE PHASE

For residential sites and mixed residential/commercial sites, where all the property will be built at the same time, and isn't part of a bigger development, includes single plot sites

A NEW SITE THAT WILL BE BUILT IN ONE PHASE

2) Have you previously made a land enquiry?

No

A NEW SITE THAT WILL BE BUILT IN ONE PHASE

3) What NSI reference was given?

A NEW SITE THAT WILL BE BUILT IN ONE PHASE

4) When are you starting on site?

01/01/2020

5) When do you require the first service connections on site?

01/01/2021

6) How many Residential plots are you building?

Houses 0

Flats 324

7) If you are building between 2 and 29 plots would you be interested in receiving a quote for fibre technology for your site?

8) How many block of flats/ apartments are you building?

16

9) How many commercial plots being built on this site? e.g. doctors, school, shop

3

10) What type of commercial plots are being built?

150 room hotel, day nursery, soft play and cafe

11) What is your plot completion rate per month

12) Do you plan to have any other communications infrastructure provider on site ?

No

A NEW SITE THAT WILL BE BUILT IN MORE THAN ONE PHASE

13) Have you previously made a land enquiry?

A NEW SITE THAT WILL BE BUILT IN MORE THAN ONE PHASE

14) What NSI reference was given?

A NEW SITE THAT WILL BE BUILT IN MORE THAN ONE PHASE

15) When are you starting on site?

16) When do you require the first service connections on site?

17) How many plots are you building?

18) How many plots are you building in the whole development?

Houses
Flats

19) How many commercial plots are being built in the whole development?

20) How many phases will be built in the whole development?

21) How many block of flats/ apartments are you building in this phase?

22) How many commercial plots being built on this site? e.g. doctors, school, shop

23) What type of commercial plots are being built?

24) What is your plot completion rate per month

25) Who are the other developers on this site? (if applicable)

26) Do you plan to have any other communications infrastructure provider on site ?

INFRASTRUCTURE ONLY

27) Have you previously made a land enquiry?

INFRASTRUCTURE ONLY

28) What NSI reference was given?

INFRASTRUCTURE ONLY

29) How many residential plots are you building in the whole development

Houses
Flats

30) How many commercial plots are being built in the whole development?

31) How many phases will be built in the whole development?

32) When are you starting on site to excavate for this infrastructure?

33) When will the first phase be developed?

34) Which developer is developing this first phase?

35) Do you plan to have any other communications infrastructure provider on site ?

ADDITIONAL PHASE TO AN EXISTING SITE

36) What is your NSI references for your site (list all you have)

37) How many phases will be built in the whole development?

38) How many phases have been completed?

39) When are you starting on site for this phase?

40) When do you require service connection?

41) How many plots are you building in this phase?

Houses
Flats

42) How many block of flats/ apartments are you building?

43) Are any commercial plots being built on this site? e.g. doctors, school, shop

44) What type of commercial plots are being built?

45) What is your plot completion rate per month

46) Do you plan to have any other communications infrastructure provider on site ?

NEW COMMERCIAL SITE

47) When are you starting on site?

48) When do you require the first service connections on site?

49) Is this a refurbishment of an existing building?

NEW COMMERCIAL SITE

50) What was the building previously used for?

NEW COMMERCIAL SITE

51) Please state the total number of commercial units for each category

Item	Total
	Total

52) If Other, please state type

DEVELOPER SELF INSTALL

53) Will the developer self-install this equipment?

Yes

SITE DETAILS

54) What are your site details?

Site Name Sandown Park

Site Address Portsmouth Road

Site Postal Town Esher

Site Post Code (If known at this stage – if not please enter AB1 1XY as a default) KT10
9AJ

Please provide 12 digit grid reference at closest point on-site to the permanent entrance to the site, eastings and northings e.g. 259002,664268 514213,165029

55) Actual outline planning permission approval date (if not known at this stage please enter today's date)

20/12/2018

56) Forecast or actual detailed planning permission (reserved matters) approval date. (if not known at this stage please enter today's date)

20/12/2018

57) Planning Authority ref

TBD

58) Local Authority Name

Elmbridge Borough Council

59) Name of Wayleave grantor, if not the developer

Contact phone number

Address

Postal Town

Post Code

Email

LAND ENQUIRY

60) 12 digit grid reference at closest point on-site to the permanent entrance to the site, eastings and northings e.g. 259002,664268

61) What is the total number of residential plots planned?

62) What is the total number of commercial plots planned?

63) Please provide us your contact details

Your Name

Your Address

Your Postal Town

Your Post Code

Your Contact Number

Your Email

64) Are you registering on behalf of a developer?

LAND ENQUIRY

65) Please provide Developer Details

Developer Parent Group name

Developer regional name (if applicable)

Address

Postal Town

Post Code

Contact number

LAND ENQUIRY

66) Please upload a location plan - this can be an extract of a map to give an approximate location

ADDITIONAL COPPER LINES

67) Do you require any additional copper lines?

No

LIFT LINES

68) Number of lift lines

69) Have you raised the orders (yes/no)?

70) When do you need your lift lines to be provided by?

71) Name of the lift line provider

72) If you have ordered any Lift Lines what are the order references?

TELEMETRY LINES

73) Other permanent enablement lines, e.g. telemetry - how many do you need? If you do not need any please enter a zero.

PERMANENT CARE/CONCIERGE LINES

74) How many do you need? If you do not need any please enter a zero.

SHORT DURATION OFFICE LINES

75) Number of short duration office lines

76) Have you raised the orders (yes/no)?

BUILDING ALARM LINES

77) How many do you need? If you do not need any please enter a zero.

78) Please provide us your contact details

Your Name Andrew Godfrey

Your Address Waterman Group, Merchants House, Wapping Road

Your Postal Town Bristol

Your Post Code BS1 4RW

Your Contact Number 0117 9378200
Your Email andrew.godfrey@watermangroup.com

79) Are you registering on behalf of a developer?

Yes

DEVELOPERS CONTACT DETAILS

80) Please provide us your developers contact details

Developer Parent Group Name The Jockey Club
Developer regional name *(if applicable)* The Jockey Club
Address 75 High Holborn
Postal Town London
Post Code WC1V 6LS
Contact Number 02076111800

ESCALATION ROUTE

81) Please provide us a route to resolving issues quickly for this site

Contact Name Andrew Godfrey
Telephone/mobile number 01179378200
Email andrew.godfrey@watermangroup.com

82) Person to contact if that person has not responded

Contact Name
Telephone/mobile number
Email

83) Person to contact if that person has not responded

Contact Name
Telephone/mobile number
Email

84) A detailed site plan (in PDF or word format only) is required for all sites.

[9964-47848-84-4059.pdf](#) (Sandown Park Site Plan.pdf) 4,823.74Kb

85) A location plan (in PDF or word format only) is required for all sites, such as a Land Registry map.

[9964-47848-85-5979.pdf](#) (385 12 6 SLP01 Red Line A3.pdf) 336.18Kb

86) For flats we also require floor plans (in PDF or word format only) with plot numbers clearly marked.

87) You can include additional pages for additional floors in your document up a maximum file size of 5Mb

88) Please upload any additional plans (maximum of 3)

89) Do you have any additional plans that you wish to provide?

No

Area 3
90 no. 284P Flats
18 no. 385P Flats

Area 1
5 no. 182P Flats
10 no. 284P Flats

Area 2
15 no. 182P Flats
26 no. 284P Flats

Area A
Renovate existing facilities
New staff accommodation
equivalent to 20 no. 182P Flats

Area B
150 Room Hotel

Area 5
36 no. 182P Flats
32 no. 284P Flats

Area 4
59 no. 284P Flats
13 no. 385P Flats

Area C
Sport play and cafe

Flats total

182P 76*
284P 217
385P 31

* Includes 20 no. equivalent for Area A

SANDOWN PARK
Area Plan
NTS

Andrew Godfrey

From: Andrew Godfrey
Sent: 11 January 2019 11:50
To: 'nsrecep@openreach.co.uk'; 'jim.a.brown@openreach.co.uk'
Subject: RE: Form 9964-47848 - NEWSITES REGISTRATION FORM - SANDOWN PARK, ESHER

Hi Jim

Thanks for your response below.

Due to the early stage of the project, information on plot layouts and duct intakes etc. is not available. The project will be submitted for outline planning later this month, with most matters reserved.

The key questions that we would like answers to at this stage are:

- Due to the total number of plots, can FTTP be provided to all domestic properties at Openreach expense?
- Would offsite reinforcement be likely to be required to service this number of plots, and what would the possible programme for this be?
- Openreach maps of the site show it is already well served with cables, due to the existing buildings. Are these fibre, and suitable for new commercial connections e.g. for the hotel?
- Would the £1,000 per commercial property contribution from Openreach be available? Would this be likely to cover the connection costs, given that the cables to the site are already in place? If not, can an approximate budget cost be estimated?

This is to inform the overall feasibility, and early stage cost planning. We do not need a full onsite design to be undertaken at this stage.


Can the site be registered based on the limited information available (including the site plans submitted previously), in order that these questions might be considered? If not, is it possible for any of these questions to be considered without the full site registration?

Many thanks

Andrew

Andrew Godfrey CEng MICE
Principal Engineer
Waterman Infrastructure & Environment Ltd

Merchants House | Wapping Road | Bristol BS1 4RW
t +44 117 937 8200 | dd +44 330 060 2529
www.watermangroup.com | [LinkedIn](#) | [Twitter](#)

 Please consider the environment before printing this e-mail. Thank you!

From: jim.a.brown@openreach.co.uk <jim.a.brown@openreach.co.uk> **On Behalf Of** nsrecep@openreach.co.uk
Sent: 27 December 2018 16:48
To: Andrew Godfrey <andrew.godfrey@watermangroup.com>
Subject: FW: Form 9964-47848 - NEWSITES REGISTRATION FORM - SANDOWN PARK, ESHER

Mr Godfrey,

Thank you for your request to register your new development with Openreach.

So we can progress your application, we will need all the below information.

SITE PLAN

A detailed site plan in PDF format is required for all sites. Please provide this in black & white only without shading, landscape and free of other services. Correct scale size at A3 (1:200 or 1:500) showing plot numbers, surrounding road names and the nearest existing building. (example attached) For business units and apartment blocks, we will need a mark-up which shows where you would like the main duct in-take to enter the premise.

FLAT PLANS

For flats we also require floor plans for all the flats with the plot numbers clearly marked on each flat, or alternatively the ground floor with a mark-up of where the duct intake needs to be and a schedule of accommodation advising which plots are on which floor. (example attached)

Please forward your return, to: nsrecep@openreach.co.uk to allow us to progress your application and prevent any delays.

If we have not received the required information within 15 working days, due to storage space we will have to ask you to re-submit your registration form via <http://www.ournetwork.openreach.co.uk/property-developers/site-registration.aspx>

Many thanks.

Regards.

JIM BROWN

Infrastructure Solutions Customer Service Newsites
Openreach

Telephone: 0800 783 2023 Option 2, Option 1
Web: www.openreach.co.uk

We build and maintain the digital network that enables more than 600 providers to deliver broadband to homes, hospitals, schools and businesses large and small. Our engineers work in every community, every day, because we believe everyone deserves decent and reliable broadband.

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Openreach Limited

Registered Office: Kelvin House, 123 Judd Street, London WC1H 9NP
Registered in England and Wales no. 10690039

From: noreply@formwize.com [<mailto:noreply@formwize.com>]

Sent: 20 December 2018 16:42

To: NSEOE T <nseoe@openreach.co.uk>

Subject: Form 9964-47848 - NEWSITES REGISTRATION FORM

Survey ID

9964

Ticket No

47848

Entered

20-Dec-18 04:41 PM

1) Please select the type of enquiry you would like to make.

A NEW SITE THAT WILL BE BUILT IN ONE PHASE

TELEPHONE RECORD

TO:	JIM BROWN (OPENREACH)	FROM:	ANDREW GODFREY
		REF:	WIE15367
DATE:	21 JANUARY 2019	TIME:	1400
SUBJECT:	SANDOWN PARK DEVELOPMENT		

Follow up call to email from Andrew Godfrey to Jim Brown on 11 January 2019. This relates to form 9964-47848.

Jim Brown stated the following:

- The site cannot currently be registered with Openreach formally, as the level of design information available does not meet the requirements.
(i.e. it is too early in the design process).
- However, he could give answers to the questions posed.
- Due to the number of residential plots across the scheme, Openreach would provide fibre to the premises (FTTP) at its own cost. This would also include connections to the commercial properties, as it is a mixed development.
- Off-site reinforcement is very unlikely to be required due to the location. In any case, Openreach makes an allowance of £3,400 per plot before seeking a developer contribution. It is very unlikely that this would be exceeded here. It is usually only remote single properties that breach this threshold, not large developments in a city.
- Openreach is not yet able to say whether it would re-use or replace any of the existing cables and cabinets, but this would be its design decisions at the appropriate time, and its cost.
- To register the site, Openreach needs to know phasing information, larger scale plans of each area of the site, floor plans with plot numbers for each block and riser positions.
(i.e. this is for Openreach to complete a detailed design of the new fibre network)

UK and Ireland Office Locations

