

08/04/2025

Puneet Chauhan  
 RAMBOLL UK  
 Twenty3 Brunswick Place, Southampton,  
 SOUTHAMPTON,  
 Hampshire,  
 SO15 2AQ

Thank you for contacting us about your proposed development at  
 land on Foxhole Farm, Bolney RH17 5QT

**Due to the risk of contamination, our quotation relates to barrier pipe being laid to supply the site, and we would insist that metal/barrier pipe be laid within the site. However, should it be possible for you to provide documentary evidence/analytical results confirming the absence of PAH and phenols at the site, a quotation for the provision of polyethylene pipes can be provided.**

Please Note: South East Water will now deliver all schemes under the NEC4 contract. The estimate provided is valid for three months from the date of this letter. If the estimate is not accepted and/or the relevant security is not provided within the 3 month period, an updated estimate will be required and further fees applicable. Works should be completed within the relevant charging year. Works not completed or ready to be completed within the current charging year will incur further charges, payable before commencement of works. Please refer to our charging document at <https://wholesale.southeastwater.co.uk/about/resources/publications/our-charges/>

The estimate provided has been based on the following assumptions:  
 Environmental/archeologically studies have been undertaken by developer, verge onsite conditions, excavation to be undertaken by South East Water Contractor, two site visits to construct the agreed design, mains to be laid in a continual phase, site to be cleared of scaffolding, hoarding etc., all permissions regarding third party land has been agreed and all mains constructed to be laid in public highway.  
 If the above assumptions are incorrect, please contact your Developer Services Coordinator straight away, as additional costs will be incurred if any changes are made after the scheme has been accepted.  
 If any changes are to be made after the scheme has been accepted, a re-estimate/re-design will need to be undertaken and costs agreed before works are able to continue.

Based upon the information provided in your application, we have set out below the water main and services required for your project. The rates are shown in the tables below and have been taken from our published Charging Arrangements document 2025/26. Please refer to our Charging Arrangements document for more information about our charge rates, and the circumstances under which these rates are fixed. <https://wholesale.southeastwater.co.uk/about/resources/publications/our-charges/>

Self-lay providers are also able to carry out the non-contestable element of this work for further details on self-lay and the cost of this element refer to section 3 of this letter.

Please be advised that South East Water is unable to lay its apparatus in permeable paving, if any areas of the development will have permeable paving, please highlight the areas on the plan and contact us as soon as possible.

**1.1 Mains requisition charge - Fixed requisition cost**  
**Generic requisition without any special characteristic i.e. no variable element and no planned recalculation**

Charge	Amount	
Requisition Cost: non-contestable and contestable works, including third party costs	£254,050.50	1.A
<b>Total</b>	<b>£254,050.50</b>	<b>1.A</b>

**Administration fee:** Cost of general administration of the requisition (scheduling and supervision, customer and contractor liaison, and payment(s) administration).  
**Requisition charge:** Cost of laying the water main(s) and making the connections to our existing network.  
 You can find more explanations on what these charges cover and how they are calculated in our charging arrangements 2025-26.

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

**ALL NEW CONNECTIONS ARE SUBJECT TO INFRASTRUCTURE CHARGES PLEASE SEE SECTIONS FOR DETAILS**

**1.2 Requisition charge Breakdown**  
A full break down is available on request

**1.3 Payment Options**  
There are two options for payment

**Option 1:**  
You pay the full requisition charges (1.A) upfront detailed in section 1.1 on acceptance of this quotation.

**Option 2:**  
You can pay the requisition charge (1.A) in instalments. The number of instalments are dependent of the size of your development. Under the option, the administration fee is payable at the same time as the first instalment. Please see below breakdown of payment amounts and the date payment will be required.

Please note we will not be able to commence the requisition works until the signed quotation has been returned to us and the funds have been received in our account.

Each subsequent instalment must be paid within 30 days of receipt of our invoice. A process fee of £45.00 will be added to the amount of each subsequent instalment. This option is only available to companies with no current outstanding monies owed to the company. For further details on payment options please refer to section 2.4 of the charging arrangement – Payment of Requisition charges.

Charge	Payment 1	Payment 2	Payment 3	Payment 4	Total
<b>Administration fee</b>	£98.00	£0.00	£0.00	£0.00	<b>£98.00</b>
<b>Requisition charge</b>	£63,512.63	£63,512.63	£63,512.63	£63,512.63	<b>£254,050.50</b>
<b>Processing fee</b>	£0.00	£45.00	£45.00	£45.00	<b>£135.00</b>
<b>Instalment total</b>	<b>£63,610.63</b>	<b>£63,557.63</b>	<b>£63,557.63</b>	<b>£63,557.63</b>	<b>£254,283.50</b>
Payment Date	On acceptance				

**Administration fee:** Cost of general administration of the requisition (scheduling and supervision, customer and contractor liaison, and payment(s) administration).

**Requisition charge:** Cost of laying the water main(s) and making the connections to our existing network.  
You can find more explanations on what these charges cover and how they are calculated in our charging arrangements 2025-26.

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**2. Standard New Service Connections (25mm)**

Please find below the associated charges for the new standard individual services connections required for the new site.

Plots	Connection Type	Quantity	Cost	Total
Plots 1-201 & Community Hub	A Type Single Connection 25mm / 32mm	202	£523.00	<b>£105,646.00</b>
Plots 1-201 & Community Hub	Meter Costs 15mm x0.41 L/s	202	£64.00	<b>£12,928.00</b>
Total VAT on plots Community Hub	VAT@20%	1	£104.60	<b>£104.60</b>
			<b>Total Services Cost</b>	<b>£118,678.60</b>
			<b>Admin Fee</b>	<b>£5,472.00</b>
			<b>Total Cost of Services and Admin Fees</b>	<b>£124,150.60</b>

**The above connection and admin costs will need to be paid before the service connection can be called off, this can be done on a plot by plot basis or the total in 1.D can be paid upfront.**

**A type Connection charge:** A fixed cost per connection without excavation and reinstatement. Connecting newly laid services to the newly laid main.

**Admin fee:** A charge made of lower and higher rates. The first plot is charged at £45.00 with each subsequent plot being charged at £27.00

**3. Self-Lay Option – Non contestable works**

Self-Lay Providers are able to carry out all contestable onsite works. This includes the mains laying and service connections as well as the section of the mains from the existing infrastructure to the site. Please note you would still be required to contact us regarding the connection to our existing company infrastructure although the self-lay provider would usually do this for you. Self-lay providers hold the same qualifications as our term contractors and can provide multi – utility options. The Self-lay provider would need to be registered on the Lloyds register list - please see the website below for a lists of all self-lay accredited companies - <https://www.eusr.co.uk/lloyds-register/>

**Please note that no mains can be laid on site until the signed Self-lay agreement is received by SEW.**

**3.1 Cost for non-contestable works only, SLP to carry out connections**

Charge	Amount
Non-contestable costs	£2,439.00

**4.1 Cost for non-contestable works and contestable works to site boundary**

Charge	Amount
Non-contestable costs	£2,439.00
Contestable works to boundary	£2,419.00
<b>Total mains cost to site boundary</b>	<b>£4,858.00</b>

**Administration fee:** Cost of general administration of the requisition (scheduling and supervision, customer and contractor liaison, and payment(s) administration).

**Requisition charge:** Cost of laying the water main(s) and making the connections to our existing network.  
You can find more explanations on what these charges cover and how they are calculated in our charging arrangements 2025-26.

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When selecting option 3.1A, you are opting for your SLP to carry out the onsite mains and to carry out the service connections. Below is a breakdown of the different connection options available to your SLP.

**3.1.A Self-Lay - Meter Only or Meter & Fitting**

Item	Unit	Quantity	Rate	Total
Meter set up admin Only	Per Plot	202	£45.00	<b>£9,090.00</b>
Meter and Meter set up	Per Plot	202	£135.00	<b>£27,270.00</b>
Meter, Meter install and set up	Per Plot	202	£253.00	<b>£51,106.00</b>

Please note, the above meter charges are based on standard meters only, please refer to the connections table for charges relating to larger meters

**3.1.B Self-Lay - Meter Only or Meter & Fitting**

Under 3.1B you are opting for Southeastwater to carry all associated connection works. Please see cost breakdown in section 2 on page 3 for these costs.

If you have selected the option Meter Only, the collection point is as follows:

Unit 11 Brook House, Brook House, Larkfield Trading Estate, new Hythe lane, Larkfield Kent ME20 6GN  
 Contact: Mark Newmarch 07974070408 - Waterlink.connections@southeastwater.co.uk

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**5. Infrastructure**

**5.1.A Infrastructure with Environmental Component**

Charge Item	Charge Unit	Quantity	Charge	Total
Plots	Standard Rate of Infrastructure	202	£741.00	<b>£149,682.00</b>
Plots	Environmental Component	202	£222.30	<b>£44,682.30</b>
Total Infrastructure Cost:				<b>£149,682.00</b>
Total Environmental Component:				<b>£44,682.30</b>
Total Infrastructure and Environmental Component:				<b>£194,364.30</b>

Please note in addition to the infrastructure charges referred to below, sewerage infrastructure charges may also be required by your sewage supplier

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**6. Acceptance, undertaking and payment**

Once we have received the signed acceptance we will send either a Section 42 Undertaking or Self Lay Agreement depending on the option you have selected. The appropriate document will need to be signed and returned to us.  
For Self-Lay acceptance, once we have received the signed Self-Lay Agreement, SEW will arrange for a source of water connection from our network to serve the new development and provide a representative to act as a liaison for any on site queries. Please note that no mains can be laid on site until the signed Self-lay agreement is received by SEW.

**7. CONFIDENTIALITY**

The commercial and technical information included in this letter and its enclosed documents is confidential. You shall only use or copy this letter for the purpose of the requisition and you shall not disclose this information to any third party without the prior written consent of South East Water. South East Water shall be entitled to require that this third party enters into a confidentiality agreement prior to allowing the disclosure of confidential information.

**8. INTELLECTUAL PROPERTY RIGHTS**

All intellectual property rights in this letter and its enclosed documents are the exclusive property of South East Water. Nothing in this letter shall grant you any right in this intellectual property whatsoever other than the right to use and copy the whole or part of this letter or its enclosed documents for the purpose of dealing with the requisition of the mains and no other purpose. You shall not be entitled to allow any other person to use or copy the whole or any part of this letter or its Appendices for any purpose whatsoever without the prior written approval of South East Water.

**9. VALIDITY PERIOD**

The estimates provided in this letter are valid for three months from the date of this letter. If the estimate is not accepted and/or the relevant security is not provided within that period South East Water reserves the right to complete an updated estimate and an admin fee will be required for this.

**10. DELIVERY**

If the works are not completed or ready to be completed within the current charging year, further charges will be applied and invoiced before commencement of works. Where phased payments have been agreed these charges will be applied to the second instalment.

Please refer to our charging document at <https://wholesale.southeastwater.co.uk/about/resources/publications/our-charges/>

It is the Company's intention to ensure that all work undertaken is completed to the reasonable satisfaction of the customer. Where there is any aspect of the work or charges which is not satisfactory, once the work has been completed please forward your concerns in writing to the Company to enable a full review to take place. In the event that this review does not address your concerns satisfactorily, you will be able to refer the matter to the Director General of Water Services who has powers under the Water Industry Act 1991 to determine a solution to the matter.

In order for the Company to prepare our Job Packs for our Contractors please can you provide the contact for your principle contractor on site & you're Principle Designer.

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

Yours sincerely

Ray Jordan  
Self Lay Lead  
South East Water Ltd

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IF YOU WISH TO PROCEED PLEASE COMPLETE AND RETURN THIS ACCEPTANCE SLIP ALONG WITH YOUR REMITTANCE.

Please Note: The estimate provided is valid for three months from the date of this letter. If the estimate is not accepted and/or the relevant security is not provided within the 3 month period, an updated estimate will be required and further fees applicable. Works should be completed within the relevant charging year. Works not completed or ready to be completed within the current charging year will incur further charges, payable before commencement of works. Please refer to our charging document at <https://wholesale.southeastwater.co.uk/about/resources/publications/our-charges/>

Dear Sir/Madam, NARS 26763

I/We accept your quotation dated ..... and enclose payment of .....

Please confirm the option selected by placing a tick in the appropriate box.

1.1	<b>SEW Mains Requisition</b>	
	Option 1- Full payment for mains requisition	
	Option 2- Phased payment for mains requisition	
3.1	Self-Lay Provider - Non-Contestable source of water only	
4.1	Self-Lay Provider - Non-Contestable works to site boundary	

**Meter Choices for Self-lay**

3.1a	Self-Lay - Meter Only	3.1B	Self-Lay - Meters & Fitting
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Signed ..... Date .....

Name ..... (Block Capitals)

The below will need to be completed by your finance department. Please submit all BACS payment using only the NARS reference number on the estimate. Failing to do so, could lead to delays with your scheme and future BACS payment being declined.

**Developer/SLP – Finance department to complete**

Finance Contact Name	
Contact Number	
Payee Name	
Address for Invoice	

**Contact Details**

Please provide the relevant site manger contact details for the site. On receipt of these we will instruct our mains laying term contractor to initiate a site start up meeting with the named representative to programme the works.

Site Contact Name: .....

Company Name: .....

Accredited Self-Lay Provider: .....

Phone Number: .....

Email Address: .....

## APPENDIX F - UKPN POWER SUPPLY QUOTE (8500327607)

Mr. Eric Keung  
Ramboll  
23, Brunswick Place  
Southampton  
SO15 2AQ

Date: 31 March 2025

Our Ref: 8500327607 / QID 3500210091

Customer Ref:

Dear Mr. Keung

## Site Address: Foxhole Lane, Haywards Heath, RH17 5NB

I am writing to you on behalf of South Eastern Power Networks plc the licensed distributor of electricity for the above address trading as and referred to in the Quote as "UK Power Networks". Thank you for your recent enquiry regarding the above site. I am pleased to be able to provide you with this Quote to carry out the work requested.

The Works will enable the provision of an import capacity of 1190 kVA, and a maximum export capacity of 0.00 kW.

### Summary of Your Request

To install and commission 2 x package substations in order to provide services for a new housing development. This quote will allow for the works to be completed over two phases of works.

UK Power Networks would like to carry out all of the requested work for you. However, other companies can do some or all of the work for you; these are known as Independent Connection Providers (**ICPs**). You can approach NERS accredited ICPs directly, or you can approach an Independent Distribution Network Operator (**IDNO**) to request this work and they will arrange for an ICP to carry out the Contestable Works. To find out more about which ICPs work in our area and what work they can undertake please [click here](#).

To give you as much choice as possible we are able to offer you **the following options** for getting your work done:

How much is it going to cost?	Price excluding VAT	Price including VAT
<b>A</b> UK Power Networks carries out all of the requested 'contestable' and 'non-contestable' works required for your connection	<b>£1,044,401.45</b>	<b>£1,051,467.22</b>
<b>B</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	<b>£53,171.19</b>	<b>£53,554.03</b>
<b>C</b> UK Power Networks carries out the 'non-contestable' works only. The ICP carries out all of the works classified as 'contestable'	<b>£51,113.38</b>	<b>£51,481.40</b>

A short guide is available to help you understand the three different Prices (options A, B and C). To see this guide please [click here](#).

### Terms and Conditions

The Quote is subject to version 7 (September 2016) of our **Terms and Conditions For Connection and**

**Diversionsary Works** (the “**Terms and Conditions**”) which you can view [here](#). Alternatively, please let me know if you would like me to send you a copy in the post. **The Terms and Conditions create legally binding obligations and, amongst other things, contain caps and exclusions on UK Power Networks’ liability to you and grounds for variation and termination. Therefore, it is important that you take the time to read and understand them.** They also contain definitions of terms used in this document and in the linked pages on our website, which you may find helpful such as “DNO” and “DNO Works”.

### Special Conditions

The Quote is subject to and conditional upon the following conditions:-

- You are under an obligation to provide the required Planning Permissions (if applicable) for Your Works, associated plans, reports and documents with the Planning Permission (for example landscaping plans) and to keep the DNO informed of any changes to the same throughout the Works.
- The proposed substation positions will need to comply with EDS 07-3101. Failure to comply will result in new substation positions.
- Customer shall be responsible for installing the substation earthing system. A bespoke earthing design will be completed post acceptance. This will confirm if a standard arrangement can be installed or if any additional contribution will be required.
- Customer shall be responsible for installing the substation plinths. Please refer to EDS 07-3101 for more information.
- All off site ground works are the responsibility of UK Power Networks. All costs are subject to a detailed review by the engineer, ground works team and approval by the local council; any additional works that are required will be charged to the customer and must be paid prior to works completing.
- No works shall commence until all third party consents have been obtained
- All on site ground works are the responsibility of the customer and must be completed to UK Power Networks standards.
- With reference to the services to houses, all services shall terminate into an external meter position. Interanal positions are not accepted by UK Power Networks
- This quote is issued on the basis that a minimum of 5 services are installed under one visit. If this cannot be achieved then additional costs will be made chargeable.
- For the BNO services to flats, Customer to provide suitably sized cable tails, tri rated cables are not accepted.
- For the BNO services, Customer to ensure that the new arrangement is in accordance with the multi occupied building standards EDS 08-1103. The distance between the cut out and customers point of isolation should not exceed 2m in length. The arrangement should be installed at a minimum of between 1m to 1.8m. Customer must also ensure that there is a minimum fall back space of 1m.

### Compliance with Engineering Recommendations P28, P29 and G5/5

If this Quote provides for export capacity (that may include install solar panels or battery storage) or import capacity with disturbing loads (that may include electric vehicle charging), you will be responsible for compliance with Engineering Recommendations P28, P29 and G5/5. More information about these Recommendations can be found [here](#).

You may be asked to demonstrate compliance with Engineering Recommendations P28, P29 and/or G5/5.

UK Power Networks may refuse to allow connection of generation to our network where compliance cannot be demonstrated. Where the installation needs to be Witness Tested compliance reports will need to be provided in advance of booking a date for the Witness Test to be undertaken.

### When can you expect your electricity connection?

Once you have accepted the Quote we will call you to discuss a programme of Works. Subject to the terms of the Quote, the DNO Works referred to in the Quote will be completed on or before 24 September 2026.

We will try to meet your requested dates wherever possible but the completion date will be dependent on: The date

that the Quote is accepted;

- How much of the Works you wish UK Power Networks to complete;
- Any further discussions we may have with you regarding the programming of the DNO Works;
- The completion of work by other people or companies that must be done before we can complete our DNO Works;
- Approval of your design and programme for the Contestable Works by UK Power Networks (if applicable);
- Obtaining full access to the Site;
- UK Power Networks obtaining all necessary Consents and Land Rights in a timely manner;
- Any delay to the Works due to: unplanned outages (i.e. breakdown or failure of electric power); or availability of planned outages (i.e. temporary suspension or withdrawal of electric power) to carry out certain works on UK Power Networks' distribution system;
- Completion of all cable route feasibility studies;
- All conditions precedent being met by you and/or your appointed ICP where applicable;
- Your Site being ready for energisation before the target energisation date; and
- Energisation falling suitably within the outage period.

### Indicative mobilisation and delivery timeline

Please find attached a generic indicative mobilisation and delivery timeline for a typical project of this type. This provides a generic indication of the approximate usual time taken to undertake the activities described in the timeline. This timeline is provided as a generic guide only and is subject to change so you should not consider it as the actual programme of works. Any reliance that you place on this indicative timeline is at your own risk.

### Interactivity

UK Power Networks has not received a request from any other customer for connections to the same part of our Distribution System, but to find out what happens if they do, please [click here](#).

### Variation of Works

If there is a variation to the scope of the Works where the Price is expected to increase, then an additional payment will be due. Your on-site representative, who must have your authorisation to agree variation to the Works, will be asked to sign a variation form or send an email agreeing to this variation. If this is not received, then this could result in a delay to the Works and further charges due to remobilising of resources to complete the Works.

Please note that subject to any variations and changes to the Price as a result of other conditions set out in the Quote, the Price as identified in the Quote will remain valid for 12 months from the date of acceptance of the Quote. As stated in clause 6.2.3 of the Terms and Conditions, any DNO Works delivered after this date may be subject to a variation in Price reflecting any increase in Costs that will be incurred by UK Power Networks to deliver the DNO Works.

### What you need to do next

Before you decide to proceed it is very important that you take note of our **Terms and Conditions**, any **special conditions** detailed above as well as the details in **Your Information Pack** including the information contained within the hyperlinked text, all of which constitute the **Quote**.

If you would like to accept the Quote you will need to ensure that the requested payment is in UK Power Networks' nominated bank account in full and cleared funds and that we have received your signed Acceptance Form from section 5 below by 5pm on 27 September 2025.

If you would like UK Power Networks to carry out all of the Contestable Works and Non-Contestable Works please accept option A. If you would prefer to use an ICP to carry out the Contestable Work (or an IDNO to arrange for an ICP to carry out the Contestable Works), you can pass the Quote to them and they can accept either option B or option C. Alternatively, you can accept option B or option C yourself, but you will need to ensure that your appointed ICP or IDNO understands what they must do, and what UK Power Networks will do for these options. **You can only accept one option.**

### Do you need more information?

If you have any questions about the Quote or need more information, please do not hesitate to contact me.

Yours sincerely



Matthew Walbank

Mobile: 07875 110511

Email: MATTHEW.WALBANK@UKPOWERNETWORKS.CO.UK



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

## Your Information Pack

The following pack provides all of the information you should need to successfully complete your electrical connection for the work you have been quoted. Please pay particular attention to the information that is specific to your project.

Do not hesitate to contact me should you require any further support.

- Section 1** The Scope of Works
- Section 2** Cost Breakdown
- Section 3** Your Responsibilities
- Section 4** Information To Help You As You Plan For Your Work
- Section 5** Acceptance Form To Proceed With The Works

# Section 1 Scope of Works

Please read the details in this section in conjunction with the customer proposal plan (referred to in the Drawing Schedule in Section 4).

<b>A</b>	<p>Please refer to breakdown on page 9/10/11</p> <p>UK Power Networks carries out all the Contestable and Non-Contestable Works.</p>
<b>B</b>	<p>Please refer to breakdown on page 9/10/11</p> <p>You will need to arrange for the completion of the remaining Contestable Works by an accredited ICP.</p> <p>If option B is accepted, your appointed ICP will be responsible for the production of all detailed constructible designs, which you must submit to UK Power Networks for review and approval prior to the commencement of any Contestable Works. No charge will be made by UK Power Networks for this service.</p>
<b>C</b>	<p>Please refer to breakdown on page 9/10/11</p> <p>You will need to arrange for the completion of the Contestable Works by an accredited ICP.</p> <p>If option C is accepted, your appointed ICP will be responsible for the production of all detailed constructible designs, which you must submit to UK Power Networks for review and approval prior to the commencement of any Contestable Works. No charge will be made by UK Power Networks for this service.</p>

## Your Connections

The table below provides a summary of the technical characteristics and the connection types you have requested:

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
Commercial	1	400V	Three Phase, 50HZ	43	N/A
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
Internal Meter box	35mm2 Multicore	100A to BS1361	PME(TN-C-S)	Whole Current	

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
House	78	230V	Single Phase, 50HZ	408	N/A
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
External Meter box	2c 35mm2 c/c	100A to BS1361	PME(TN-C-S)	Whole Current	

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
Flat	30	230V	Single Phase, 50HZ	138	N/A
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
Communal	35mm2 Multicore	100A to BS1361	PME(TN-C-S)	Whole Current	

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
Landlords Supply	1	400V	Three Phase, 50HZ	24	N/A
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
Kiosks	4c 35mm2 c/c	100A to BS1361	PME(TN-C-S)	Whole Current	

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
House	78	230V	Single Phase, 50HZ	424	N/A
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
External Meter box	2c 35mm2 c/c	100A to BS1361	PME(TN-C-S)	Whole Current	

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
Flat	14	230V	Single Phase, 50HZ	68	N/A
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
Communal	35mm2 Multicore	100A to BS1361	PME(TN-C-S)	Whole Current	

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
Landlords Supply	1	400V	Three Phase, 50HZ	24	N/A
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
Kiosks	4c 35mm2 c/c	100A to BS1361	PME(TN-C-S)	Whole Current	

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
Z05	1	400V	Three Phase, 50HZ	57	N/A
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
Kiosks	35mm2 Multicore	100A to BS1361	PME(TN-C-S)	Whole Current	

### Phases of work

Our delivery time scale of the DNO Works may be subject to our performance standards, as detailed in 'Our Connections Standards of Performance' leaflet that can be found [here](#). The standards make reference to the DNO Works in totality, including the delivery of the work that you may request to be completed in discrete parts (which are referred to as phases). The Quote covers two phase(s) of work.

## Section **2** Cost Breakdown

### Totals

Option	<b>A</b>	<b>B</b>	<b>C</b>
<b>Net Price (Excluding VAT)</b>	<b>£1,044,401.45</b>	<b>£53,171.19</b>	<b>£51,113.38</b>

### Breakdown of Costs

Description of CONTESTABLE WORK that is included in option	<b>A</b>	only
<b>Work involved</b>		<b>Net price (£)</b>
<b>Domestic Services</b>		
<ul style="list-style-type: none"> <li>Install 70mm earth cable per metre</li> <li>Install LV cable to duct or cable tray</li> <li>New single phase 100A service including underground joint &amp; termination.</li> <li>New single phase 100A services including underground joint &amp; terminations.</li> <li>New single phase 100A services including underground joint &amp; terminations.</li> <li>New three phase 100A service including underground joint &amp; termination.</li> <li>Supply only of single phase 35mm LV service cable</li> <li>Supply only of three phase 35mm LV service cable</li> <li>Connect and energise unmetered BNO boundary (up to 100 Amps)</li> <li>New single phase 100A service including underground joint &amp; termination.</li> <li>New single phase 100A services including underground joint &amp; terminations.</li> <li>New three phase 100A service including underground joint &amp; termination.</li> <li>Supply only of single phase 35mm LV service cable</li> <li>Supply only of three phase 35mm LV service cable</li> <li>Connect and energise unmetered BNO boundary (up to 100 Amps)</li> </ul>		£87,734.31
<b>Commercial Services</b>		
<ul style="list-style-type: none"> <li>New three phase 100A service including underground joint &amp; termination.</li> <li>Supply only of three phase 35mm LV service cable</li> </ul>		£922.07
<b>LV Underground Mains</b>		
<ul style="list-style-type: none"> <li>Supply only of 300mm LV waveform mains cable</li> <li>LV waveform mains pot end &amp; installation of earth pin.</li> <li>Install LV cable to duct or cable tray</li> <li>Supply only of 300mm LV waveform mains cable</li> <li>Supply only of 300mm LV waveform mains cable</li> <li>LV Mains branch joint of a 95-300mm cable to a 240-300mm main.</li> <li>LV Mains straight joint of a 95-300mm cable to a 240-300mm main.</li> <li>LV waveform mains pot end &amp; installation of earth pin.</li> </ul>		£210,123.06
<b>HV Plant and Switchgear</b>		
<ul style="list-style-type: none"> <li>Establish an 800kVA unit substation within a GRP Housing. Includes 800kVA transformer, Ring Main Unit, 5-way LV cabinet, RTU, internal small power/lighting and substation ancillaries. Excludes GRP, civil works and HV/LV jointing.</li> <li>Supply and fit of a green GRP substation housing.</li> <li>Transport of plant in normal weekday working hours</li> <li>300mm HV indoor end box termination</li> <li>Distribution unit termination (LV Board/Cabinet)</li> <li>Establish an 800kVA unit substation within a GRP Housing. Includes 800kVA transformer, Ring Main Unit, 5-way LV cabinet, RTU, internal small power/lighting and substation ancillaries. Excludes GRP, civil works and HV/LV jointing.</li> </ul>		£154,433.94

<ul style="list-style-type: none"> <li>Supply and fit of a green GRP substation housing.</li> <li>Transport of plant in normal weekday working hours</li> <li>300mm HV indoor end box termination</li> <li>Distribution unit termination (LV Board/Cabinet)</li> </ul>	
<b>HV Substation Civils</b>	
<ul style="list-style-type: none"> <li>Sand &amp; cap/shingle substation</li> <li>Civils groundworks costs</li> </ul>	£7,155.80
<b>HV Underground Mains</b>	
<ul style="list-style-type: none"> <li>Excavate, lay cable &amp; reinstate 11kV trench in agricultural land.</li> <li>Install additional 11kV cable, widen unmade trench</li> <li>Excavate, lay cable &amp; reinstate 11kV trench in unmade ground.</li> <li>Install additional 11kV cable, widen unmade trench</li> <li>Excavate, lay cable &amp; reinstate 11kV trench in a category 1 or 2 carriageway.</li> <li>Excavate, lay cable &amp; reinstate 11kV trench in a category 3 or 4 carriageway.</li> <li>Install HV duct including widening surfaced trench</li> <li>Install additional 11kV cable, no trench work</li> <li>Install 11kV cable to duct or cable tray</li> <li>Install 11kV cable to duct or cable tray</li> <li>Road closure</li> <li>Traffic Management costs</li> <li>Install additional 11kV cable, no trench work</li> <li>Install 70mm earth cable per metre</li> <li>Excavate &amp; Reinstate 11kV joint hole in agricultural land</li> <li>Excavate &amp; Reinstate 11kV joint hole in agricultural land</li> <li>Excavate &amp; Reinstate 11kV joint hole in unmade ground</li> <li>Excavate &amp; Reinstate 11kV joint hole in a category 3 or 4 carriageway.</li> <li>Install HV duct including widening surfaced trench</li> <li>Supply only of 11kV 185mm aluminium Triplex mains cable</li> <li>11kV 185mm to 300mm Triplex straight joint</li> <li>Supply only of 11kV 300mm aluminium Triplex mains cable</li> <li>Supply only of 11kV 300mm aluminium Triplex mains cable</li> <li>11kV 300mm to 300mm Triplex straight joint</li> <li>Install 11kV cable to duct or cable tray</li> <li>Install 11kV cable to duct or cable tray</li> <li>Supply only of 11kV 300mm aluminium Triplex mains cable</li> <li>Supply only of 11kV 300mm aluminium Triplex mains cable</li> <li>11kV 300mm to 300mm Triplex straight joint</li> <li>West Sussex Lane Rental charge per day. Band 1 charge for Road Closure or Single Carriageway Road Occupancy.</li> </ul>	£442,134.68
<b>Miscellaneous</b>	
<ul style="list-style-type: none"> <li>Civils groundwork study</li> <li>Project Management Fee</li> </ul>	£88,726.40
<b>TOTAL</b>	
£991,230.26	

<b>Description of CONTESTABLE FINAL CLOSING JOINT WORK that is included in option</b>	<b>A</b>	and in option	<b>B</b>
<b>Work involved</b>			<b>Net price (£)</b>
<b>HV Underground Mains</b>			
<ul style="list-style-type: none"> <li>11kV 300mm to 300mm Triplex straight joint</li> </ul>			£2,057.81
<b>TOTAL</b>			£2,057.81

<b>Description of NON-CONTESTABLE WORK that is included in option</b>	<b>A</b>	and in option	<b>B</b>	and in option	<b>C</b>
<b>Work involved</b>					<b>Net price (£)</b>

<b>HV Plant and Switchgear</b>	
<ul style="list-style-type: none"> <li>Commissioning of a Remote Terminal Unit (RTU)</li> <li>Inspection of substation civil works</li> <li>Legal fees for a Freehold/Leasehold for the establishment of a substation in a new physical location.</li> <li>Commissioning of a Remote Terminal Unit (RTU)</li> <li>Inspection of substation civil works</li> <li>Legal fees for a Freehold/Leasehold for the establishment of a substation in a new physical location.</li> </ul>	£11,599.54
<b>HV Pole Mounted Equipment</b>	
<ul style="list-style-type: none"> <li>Installation of an HV pole</li> <li>Additional labour per hour for a hot glove team (normal working hours)</li> <li>Install pole mounted switch</li> <li>Legal fees for the arrangement of an Easement in relation to UKPN assets.</li> <li>Additional labour hours for an 11kV linesman team (normal working hours)</li> <li>Raise and connect 185mm HV pole termination</li> </ul>	£21,548.92
<b>HV Underground Mains</b>	
<ul style="list-style-type: none"> <li>11kV outage associated with the provision of an 11kV substation</li> <li>Labour for an Authorised Person/Senior Authorised Person in normal working hours.</li> <li>11kV outage associated with the provision of an 11kV substation</li> <li>Labour for an Authorised Person/Senior Authorised Person in normal working hours.</li> </ul>	£15,946.92
<b>Transactional Charges</b>	
<ul style="list-style-type: none"> <li>Assessment &amp; Design Charges</li> </ul>	£2,018.00
<b>Other charges</b>	
<b>TOTAL</b>	<b>£51,113.38</b>

### Domestic Reverse Charge VAT Rate

You may be aware of a VAT rate, effective from 1st March 2021, that is referred to as “Domestic Reverse Charge for Construction Services”. I would like to provide you with some clarification about how the Quote is affected.

Section 18 of the HMRC Guidance, which explains the reverse charge treatment for utilities states that “Services provided by utility businesses which do not fall within the domestic reverse charge include the:

- provision of a connection to a utility network, or diversionary works to allow the relocation of the network
- development and construction of a private network to be owned by the utility and leased or sold to the customer
- installation of a boiler (and ancillary supplies)”

You can see the Government’s guidance in full [here](#). So in summary, although UK Power Networks is registered under the Construction Industry Scheme (CIS), the provision of connection services to our customers is not regarded as construction services because the work is performed on our own assets. Consequently, there will be no change to the way in which we determine how VAT is applied to this job.

### Provision of Service to Build IDNO Networks and VAT

The VAT Rate applied to this job is applicable where UK Power Networks completes all the work (Option A). If you wish to accept Option B or C (where offered) and wish to approach an IDNO to arrange for the Contestable Works to be undertaken (see summary on page 1) the VAT Rate may change and we will issue an invoice to you for the outstanding VAT.

**Please note that payment is required in full, in advance of the work being programmed.**

## Section **3** Your Responsibilities

This section provides information about the work that you are responsible for should you accept the Quote.

We have made all of our general information about your responsibilities available in our Knowledge Centre on our internet site at [www.ukpowernetworks.co.uk](http://www.ukpowernetworks.co.uk). Links to each of the relevant articles are in the table below.

Please let me know if you think we can improve the information we have provided.

### Job Specific Responsibilities

Subject	Link to our Knowledge Library
On-site trenches and cable route	Section 3.1 <a href="#">Click here</a>
Ducts	Section 3.2 <a href="#">Click here</a>
Land rights required from You in connection with land within Your occupation, ownership or control (time to complete the legal work between Your solicitors and UK Power Networks' solicitors associated with acquiring substation sites and easements)	Section 3.19 <a href="#">Click here</a>
Land rights required from You in connection with land within Your occupation, ownership or control (the freehold/leasehold of the substation site)	Section 3.20 <a href="#">Click here</a>
Land rights required from others for land in their ownership occupation or control (Land rights over property outside the actual site boundary)	Section 3.23 <a href="#">Click here</a>
Land rights required from others for land in their ownership occupation or control (You are to obtain an agreement in principle from the relevant landowner)	Section 3.24 <a href="#">Click here</a>

### Generic Responsibilities Applicable to all Quotes

Subject	Link to our Knowledge Library
Construction (Design & Management) Regulations 2015 (CDM) <sup>1</sup> <sub>SEP</sub>	Section 3.25 <a href="#">Click here</a>
Appoint an electricity supplier	Section 3.26 <a href="#">Click here</a>
Works to be undertaken by the ICP/IDNO if UK Power Networks is undertaking the non-contestable Works only	Section 3.27 <a href="#">Click here</a>
Land rights for option B or C - where UK Power Networks is undertaking the non-contestable Works only	Section 3.28 <a href="#">Click here</a>

## Section 4 Information to Help You Plan For Your Work

### Drawing Schedule

The table below shows a summary of the standard drawings that may be useful for the Quote, along with hyperlinks to the drawings that are currently applicable. Our drawings are revised periodically so the links in the table below may not work in the future if the drawings are superseded. However the latest versions of all of our standard drawings can be found [here](#). If you have not used our G81 web pages before you will be asked to register your credentials for future logins and updates.

Drawing Number	Drawing Description
UKPN 8500327607-1-500 Phase 1 001/002 and Phase 2 001/002	Customer proposal plan
ECS 02-0019	LV/HV/EHV cable trench details <a href="#">View</a>
EDS 07-3102_01	Unit or Padmount substation in GRP enclosure <a href="#">View</a>
EDS 08-2110-01	100A Single-phase Cut-out in Meter Box <a href="#">View</a>
EDS 08-2110-02	100A Single-phase Cut-out Internal Intake <a href="#">View</a>
EDS 08-2110-04	100A Three-phase Cut-out in Meter Box <a href="#">View</a>
EDS 08-2110-05	100A Three-phase Cut-out Internal Intake <a href="#">View</a>
EDS 08-2110-13	100-600A Cut-out Arrangements in a GRP or Brick-built Kiosk <a href="#">View</a>
EDS 08-1103	Supplies to multi-occupied buildings <a href="#">View</a>

### Job Specific Information

Subject	Link to our Knowledge Library
Earth Fault Loop Impedance (EFLI)	Section 4.4 <a href="#">Click here</a>
Cables between UK Power Networks and Customer installations up to 400A	Section 4.5 <a href="#">Click here</a>
Private generation	Section 4.6 <a href="#">Click here</a>
Interactive process	Section 4.10 <a href="#">Click here</a>

### Generic Information Applicable to all Quotes

Subject	Link to our Knowledge Library
Information common to all Quotes	Section 4.1 <a href="#">Click here</a>

If you are unhappy with our service please follow our Complaints Procedure Specific to Commercial and Industrial Projects which can be found [here](#). This document details your right to contact Ofgem for a formal determination if we have been unable to resolve the matter to your satisfaction.

## Section 5 Acceptance Form

Job Reference: 8500327607 / 3500210091

Site Address: Foxhole Lane, HAYWARDS HEATH, RH17 5NB

Please return your completed form by post or email:

UK Power Networks (Operations) Ltd  
Connections Finance, 3<sup>rd</sup> Floor  
Energy House  
Hazelwick Avenue  
Three Bridges, Crawley, RH10 1EX

Email: [ConnectionAcceptance@ukpowernetworks.co.uk](mailto:ConnectionAcceptance@ukpowernetworks.co.uk)

Please indicate which option you accept:

	Please tick one only	Price excluding VAT	Price including VAT
<b>A</b> UK Power Networks carries out all of the requested 'contestable' and 'non-contestable' works required for your connection	<input type="radio"/>	£1,044,401.45	£1,051,467.22
<b>B</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	<input type="radio"/>	£53,171.19	£53,554.03
<b>C</b> UK Power Networks carries out the 'non-contestable' works only. The ICP carries out all of the works classified as 'contestable'	<input type="radio"/>	£51,113.38	£51,481.40

### Payment Profile

I understand that the Price, including VAT, must be paid in full to accept the Quote. I also understand that where VAT has been charged a Tax Invoice for the Price will be issued by UK Power Networks on receipt of payment.

Please indicate your method of payment:



Online payment  
portal  
QR code

Online

Scan the **QR code** to access UK Power Networks easy to use 24/7 self-service online payment portal or visit [onlinepayment.ukpowernetworks.co.uk](http://onlinepayment.ukpowernetworks.co.uk). We recommend our customers to use this payment option as a preferred way of paying quotes online.

Phone

A dedicated payment line **0808 175 2600** available 24/7 to accept credit/debit card payments over the phone, or please call **0203 282 0610** to speak to one of UK Power Networks contacts. We accept all major credit and debit cards, apart from American Express/Diners Club.

Cheque

Please make cheques payable to **UK Power Networks (Operations) Ltd** and **put our reference number on the back.**

BACS/  
CHAPS

**Account:** HSBC Bank Plc **Sort Code:** 40 05 30 **Account Number:** 02302934  
**UK Power Networks Ref. Number** 3500210091  
**(Please include this reference so we know which job is being paid):**

The Invoice Address	Your Site Contact
Name / Company name:	Name / Company name:
Contact name:	Contact name:
Address:	Address:
Telephone:	Telephone:
Email:	Email:

**Your Acceptance**

I accept UK Power Networks' Quote for carrying out the DNO Works in accordance with the option I have chosen overleaf.

To accept the Quote, the signed Acceptance Form and payment in cleared funds must reach UK Power Networks by 5pm on 27 September 2025. Acceptance Forms and payments received after this date may be returned and you will need to request a new Quote.

Signed:	Date:
Print name:	_____
Agent acting on behalf of:	_____
Telephone:	_____
Email:	_____

Job Reference: 8500327607 / 3500210091

## Acceptance Form Part 2

### Land Rights

If you are appointing a Solicitor to complete any legal work associated with acquiring substation sites and easements work, please provide UK Power Networks with their details by completing the table below.

Please also provide us with the name and address of the owner of any affected land.

#### Solicitor's Information

Name / Company name:

Contact name:

Address:

Telephone:

Email:

#### Land Owner's Information

Name / Company name:

Contact name:

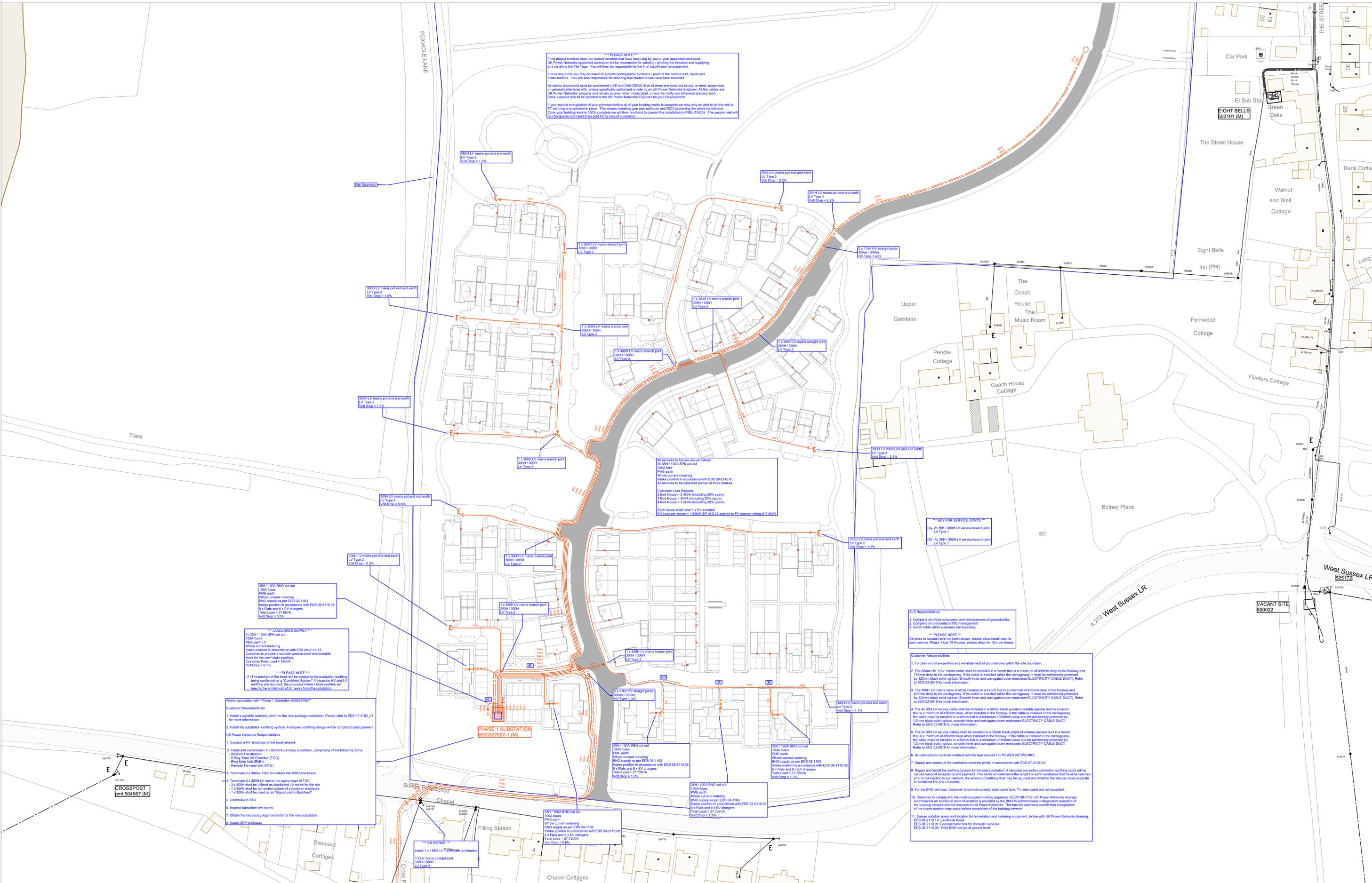
Address:

Telephone:

Email:

Job Reference: 8500327607 / 3500210091





Description	Existing	Proposed
LV Cable or Line	—	—
HV Cable or Line	—	—
EHV Cable or Line	—	—
Ductline	—	—
Pole & Street Furniture	—	—
Substation & Link Box	—	—

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.

2. The exact position of the apparatus should be verified - use approved cable avoidance tools prior to excavation using suitable hand tools.

3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or pits until the exact location of all cables has been determined.

4. It must be assumed that each property and item of street furniture has an electricity supply. Service cables exist only where known.

5. All cables must be treated as being live unless proved otherwise by UK Power Networks.

6. The information provided must be given to all people working near UK Power Networks plant & equipment. Do not use plans more than 3 months after the issue date for excavation purposes.

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

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.

2. UK Power Networks does not exclude or limit its liability if it causes the death of any person or causes personal injury to a person where such death or personal injury is caused by its negligence.

3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use or any special or consequential loss or damage whatsoever).

4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and you must return it to the sender of the letter.

5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

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

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

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

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

Grid Ref: TQ 25843 22570

Scale: 1:500 (When Plotted at A0)

Plotted on: 27/03/2025

Plotted by: Matthew Walbank

UK Power Networks

Plan Provision

CHECK IT OUT BEFORE YOU DIG IT OUT  
CALL 0800 056 5866  
EMERGENCY: If you damage a cable or the PHONE 0800 056 5766 (24hrs) URGENTLY

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

All services to houses are as follows  
 2c 35H / 100A SPN cut out  
 100A fuse  
 PME earth  
 Whole current metering  
 Intake position in accordance with EDS 08-2110.01  
 All services to be balanced across all three phases.

Customer Load Request  
 2 Bed House = 2kVA  
 3 Bed House = 2.5kVA  
 4 Bed House = 3kVA

Each house shall have 1 x EV installed  
 EV Load per house = 2.072kW (DF of 0.28 applied to EV charger rating of 7.4kW)

\*\*\* PLEASE NOTE \*\*\*  
 If the project involves open, un-ducted trenches that have been dug by you or your appointed contractor, UK Power Networks appointed contractor will be responsible for sanding / blinding the trenches and supplying and installing the Tile Tape. You will then be responsible for the final backfill and reinstatement.

If installing ducts you may be asked to provide photographic evidence / proof of the correct duct, depth and install method. You are also responsible for ensuring that ducted routes have been recorded.

All cables discovered must be considered LIVE and DANGEROUS at all times and must not be cut, re-sited, suspended or generally interfered with, unless specifically authorised on-site by a UK Power Networks Engineer. All the cables are UK Power Networks property and remain so even when made dead, unless we notify you otherwise and any such cable exposed should be reported to the UK Power Networks Engineer for your Development.

If you request energisation of your premises before all of your building works is complete we may only be able to do this with a TT earthing arrangement in place. This means installing your own earth pin and RCD (protecting the whole installation). Once your building work is 100% complete we will then re-attend to convert the installation to PME (TNCS). This second visit will be chargeable and need to be paid for by way of a variation.

ALS Responsibilities  
 1. Install cable within customer site boundary

\*\*\* PLEASE NOTE \*\*\*  
 Services to houses have not been shown, please allow install cost for each service. Phase 1 has 78 Houses, please allow for 10m per house

Customer Responsibilities:  
 1. To carry out all excavation and reinstatement of groundworks within the site boundary.

- The 300ax HV 11kV mains cable shall be installed in a trench that is a minimum of 600mm deep in the footway and 750mm deep in the carriageway. If the cable is installed within the carriageway, it must be additionally protected by 125mm black solid rigiduct (Smooth inner and corrugated outer embossed ELECTRICITY CABLE DUCT). Refer to ECS 02-0019 for more information.
- The 300H LV mains cable shall be installed in a trench that is a minimum of 450mm deep in the footway and 600mm deep in the carriageway. If the cable is installed within the carriageway, it must be additionally protected by 125mm black solid rigiduct (Smooth inner and corrugated outer embossed ELECTRICITY CABLE DUCT). Refer to ECS 02-0019 for more information.
- The 4c 35H LV service cable shall be installed in a 50mm black polyduct coillable service duct in a trench that is a minimum of 450mm deep, when installed in the footway. If the cable is installed in the carriageway, the cable must be installed in a trench that is a minimum of 600mm deep and be additionally protected by 125mm black solid rigiduct, smooth inner and corrugated outer embossed ELECTRICITY CABLE DUCT. Refer to ECS 02-0019 for more information.
- The 2c 35H LV service cables shall be installed in a 32mm black polyduct coillable service duct in a trench that is a minimum of 450mm deep when installed in the footway. If the cable is installed in the carriageway, the cable must be installed in a trench that is a minimum of 600mm deep and be additionally protected by 125mm black solid rigiduct, smooth inner and corrugated outer embossed ELECTRICITY CABLE DUCT. Refer to ECS 02-0019 for more information.

6. All cables/ducts must be installed with tile tape marked UK POWER NETWORKS.

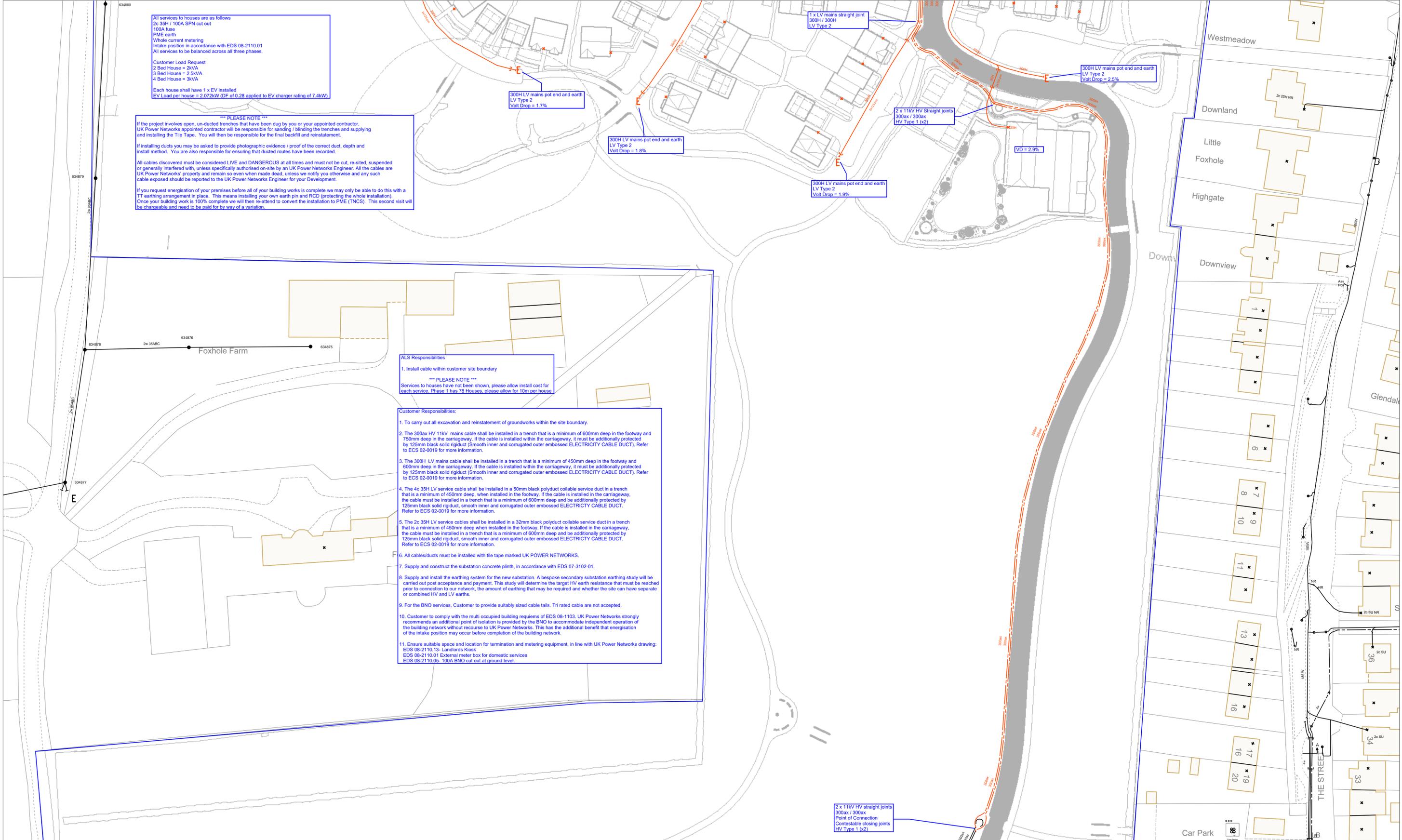
7. Supply and construct the substation concrete plinth, in accordance with EDS 07-3102-01.

8. Supply and install the earthing system for the new substation. A bespoke secondary substation earthing study will be carried out post acceptance and payment. This study will determine the target HV earth resistance that must be reached prior to connection to our network, the amount of earthing that may be required and whether the site can have separate or combined HV and LV earths.

9. For the BNO services, Customer to provide suitably sized cable tails. Tri rated cable are not accepted.

10. Customer to comply with the multi occupied building requires of EDS 08-1103. UK Power Networks strongly recommends an additional point of isolation is provided by the BNO to accommodate independent operation of the building network without recourse to UK Power Networks. This has the additional benefit that energisation of the intake position may occur before completion of the building network.

11. Ensure suitable space and location for termination and metering equipment, in line with UK Power Networks drawing: EDS 08-2110.13-Landlords Kiosk  
 EDS 08-2110.01 External meter box for domestic services  
 EDS 08-2110.05- 100A BNO cut out at ground level.



Description	Existing	Proposed
LV Cable or Line	—	—
HV Cable or Line	—	—
EHV Cable or Line	—	—
Approx. position	—	—
Ductline	[ ]	[ ]
Pole & Street Furniture	● ○	● ○
Substation & Link Box	□	□

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

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

0m 10m 20m 30m 40m 50m 60m 70m 80m

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

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

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

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

**Plan Provision**

CHECK IT OUT BEFORE YOU DIG IT  
 CALL 0800 056 5866  
 EMERGENCY- If you damage a cable or line  
 Phone 0800 096 3766 (24hrs)

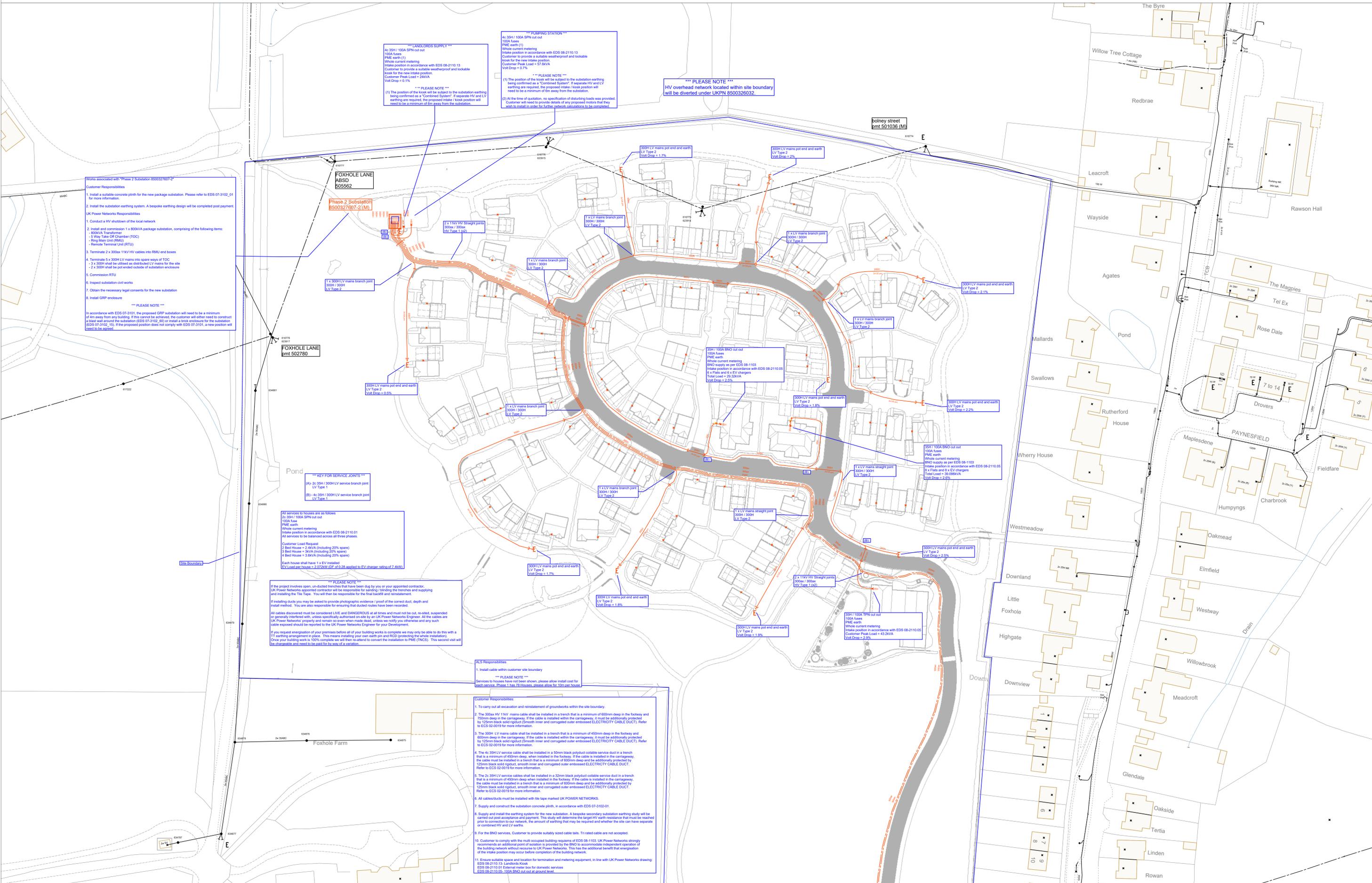
**ALWAYS LOOK UP BEFORE YOU START WORK**  
 Refer to HSE Guidance note GS6

Grid Ref: TQ 25931 22864

Scale: 1:500  
 (When Plotted at A1)

Plotted on: 20/03/2025

Plotted by: Matthew Walbank



**Works associated with 'Phase 2 Substation 8500327607-2'**

**Customer Responsibilities**

1. Install a suitable concrete plinth for the new package substation. Please refer to EDS 07-3102\_01 for more information.
2. Install the substation earthing system. A bespoke earthing design will be completed post payment.

**UK Power Networks Responsibilities**

1. Conduct a HV shutdown of the local network
2. Install and commission 1 x 800kVA package substation, comprising of the following items:
  - 800kVA Transformer
  - 5 Way Take Off Chamber (TOC)
  - Ring Main Unit (RMU)
  - Remote Terminal Unit (RTU)
3. Terminate 2 x 300ax 11kV HV cables into RMU end boxes
4. Terminate 5 x 300H LV mains into spare ways of TOC
  - 3 x 300H shall be utilised as distributed LV mains for the site
  - 2 x 300H shall be put ended outside of substation enclosure
5. Commission RTU
6. Inspect substation civil works
7. Obtain the necessary legal consents for the new substation
8. Install GRP enclosure

**PLEASE NOTE**

In accordance with EDS 07-3101, the proposed GRP enclosure will need to be a minimum of 4m away from any building. If this cannot be achieved, the customer will still need to construct a blank wall around the substation (EDS 07-3102\_01) or install a brick enclosure for the substation (EDS 07-3102\_15). If the proposed position does not comply with EDS 07-3101, a new position will need to be agreed.

**KEY FOR SERVICE JOINTS**

(A) - 2x 35H / 300H LV service branch joint LV Type 1  
 (B) - 4x 35H / 300H LV service branch joint LV Type 1

All services to houses are as follows:  
 2x 35H / 100A SPN out out  
 100A fuses  
 PME earth  
 Whole current metering  
 Intake position in accordance with EDS 08-2110.01  
 All services to be balanced across all three phases.

**Customer Load Request**  
 2 Bed House = 2.8kVA (including 20% spare)  
 3 Bed House = 3kVA (including 20% spare)  
 4 Bed House = 3.8kVA (including 20% spare)

Each house shall have 1 x EV installed  
 EV load per house = 2.072kW (DF of 0.28 applied to EV charger rating of 7.4kW)

**PLEASE NOTE**

If the project involves open, unexcavated trenches that have been dug by you or your appointed contractor, UK Power Networks appointed contractor will be responsible for sanding, branding the trenches and supplying and installing the Tie Tape. You will then be responsible for the final backfill and reinstatement.

If installing ducts you may be asked to provide photographic evidence (proof of correct duct, depth and install method). You are also responsible for ensuring that ducted routes have been recorded.

All cables discovered must be considered LIVE and DANGEROUS at all times and must be cut, re-terminated, suspended or generally interdicted with, unless specifically authorised on-site by UK Power Networks Engineer. All cables are UK Power Networks property and remain so even when made dead, unless we notify you otherwise and any such cable exposed should be reported to the UK Power Networks Engineer for your development.

If you require energisation of your premises before all of your building works is complete we may only be able to do this with a T1 earthing arrangement in place. This means installing your own earth and RCD (protecting the whole installation). Once your building work is 100% complete we will then re-terminate to convert the installation to PME (TNCS). This second visit will be chargeable and need to be paid for by you or a variation.

**ALS Responsibilities**

1. Install cable within customer site boundary

**PLEASE NOTE**

Services to houses never to be shown, please allow install cost for each service. Phase 1 has 78 houses, please allow for 10m per house

**Customer Responsibilities**

1. To carry out all excavation and reinstatement of groundworks within the site boundary.
2. The 300ax HV 11kV mains cable shall be installed in a trench that is a minimum of 600mm deep in the footway and 700mm deep in the carriageway. If the cable is installed within the carriageway, it must be additionally protected by 125mm black solid rigid duct (smooth inner and corrugated outer embossed ELECTRICITY CABLE DUCT). Refer to ECS 02-0019 for more information.
3. The 300H LV mains cable shall be installed in a trench that is a minimum of 450mm deep in the footway and 600mm deep in the carriageway. If the cable is installed within the carriageway, it must be additionally protected by 125mm black solid rigid duct (smooth inner and corrugated outer embossed ELECTRICITY CABLE DUCT). Refer to ECS 02-0019 for more information.
4. The 4x 35H LV service cable shall be installed in a 50mm black polyduct collable service duct in a trench that is a minimum of 450mm deep, when installed in the footway. If the cable is installed in the carriageway, the cable must be installed in a trench that is a minimum of 600mm deep and be additionally protected by 125mm black solid rigid duct (smooth inner and corrugated outer embossed ELECTRICITY CABLE DUCT). Refer to ECS 02-0019 for more information.
5. The 2x 35H LV service cables shall be installed in a 37mm black polyduct collable service duct in a trench that is a minimum of 450mm deep, when installed in the footway. If the cable is installed in the carriageway, the cable must be installed in a trench that is a minimum of 600mm deep and be additionally protected by 125mm black solid rigid duct (smooth inner and corrugated outer embossed ELECTRICITY CABLE DUCT). Refer to ECS 02-0019 for more information.
6. All cables/ducts must be installed with the tape marked UK POWER NETWORKS.
7. Supply and construct the substation concrete plinth, in accordance with EDS 07-3102-01.
8. Supply and install the earthing system for the new substation. A bespoke secondary substation earthing study will be carried out post acceptance and payment. This study will determine the target HV earth resistance that must be reached prior to connection to our network. The amount of earthing that may be required and whether the site can have separate or combined HV and LV earths.
9. For the BNO services, Customer to provide suitable sized cable tails. T1 rated cable are not accepted.
10. Customer to comply with the multi-occupied building requirements of EDS 08-1103. UK Power Networks strongly recommends an additional point of isolation is provided by the BNO to accommodate independent operation of the building network without recourse to UK Power Networks. This has the additional benefit that energisation of the estate prior to completion may occur before completion of the building network.
11. Ensure suitable space and location for termination and metering equipment, in line with UK Power Networks drawing: EDS 08-2110.13 Landlords Kiosk; EDS 08-2110.05 External meter box for domestic services; EDS 08-2110.05-100A BNO out at ground level.

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

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

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.

2. UK Power Networks does not exclude or limit its liability if it causes the death of any person or causes personal injury to a person where such death or personal injury is caused by its negligence.

3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use or any special or consequential loss or damage whatsoever).

4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and you must return it to the sender of the letter.

5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m

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

Grid Ref: TQ 25943 23012

Scale: 1:500  
(When Plotted at A0)

Plotted on: 27/03/2025

Plotted by: Matthew Walbank

Maps produced at 1:2500 scale are LV Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:5000 records to determine the location of all known underground plant and equipment.

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**Plan Provision**

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 CALL 0800 056 5866  
 EMERGENCY? If you damage a cable or the network 0800 3766 24hrs URGENTLY

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

UK Power Networks

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