



Appendices

Land East of Fitzalan Road,
Littlehampton. BN17 6 FE

Prepared for Boklok UK Ltd

Project Information

Title	Appendices
Site Location	Land East of Fitzalan Road, Littlehampton. BN17 6 FE
Client	Prepared for Boklok Uk Ltd
TDS Project Number	BKL.U.05
Document Ref	UR-01-Appendix To be read in conjunction with BKL.U.05 UA-01
Prepared by	Technical & Development Services (Southern) Ltd Hillreed House, 54 Queen Street Horsham West Sussex RH13 5AD
Document File path	U:\Utilities\Boklok\BKL.U.05 - Littlehampton Academy\Admin\Report\Appendices.docx

Issue History

Issue	Date	Author	Author signature	Approver	Approved signature
01	14/08/2020	Emma Paine	<i>E Paine</i>	Simon Lepine	<i>S Lepine</i>

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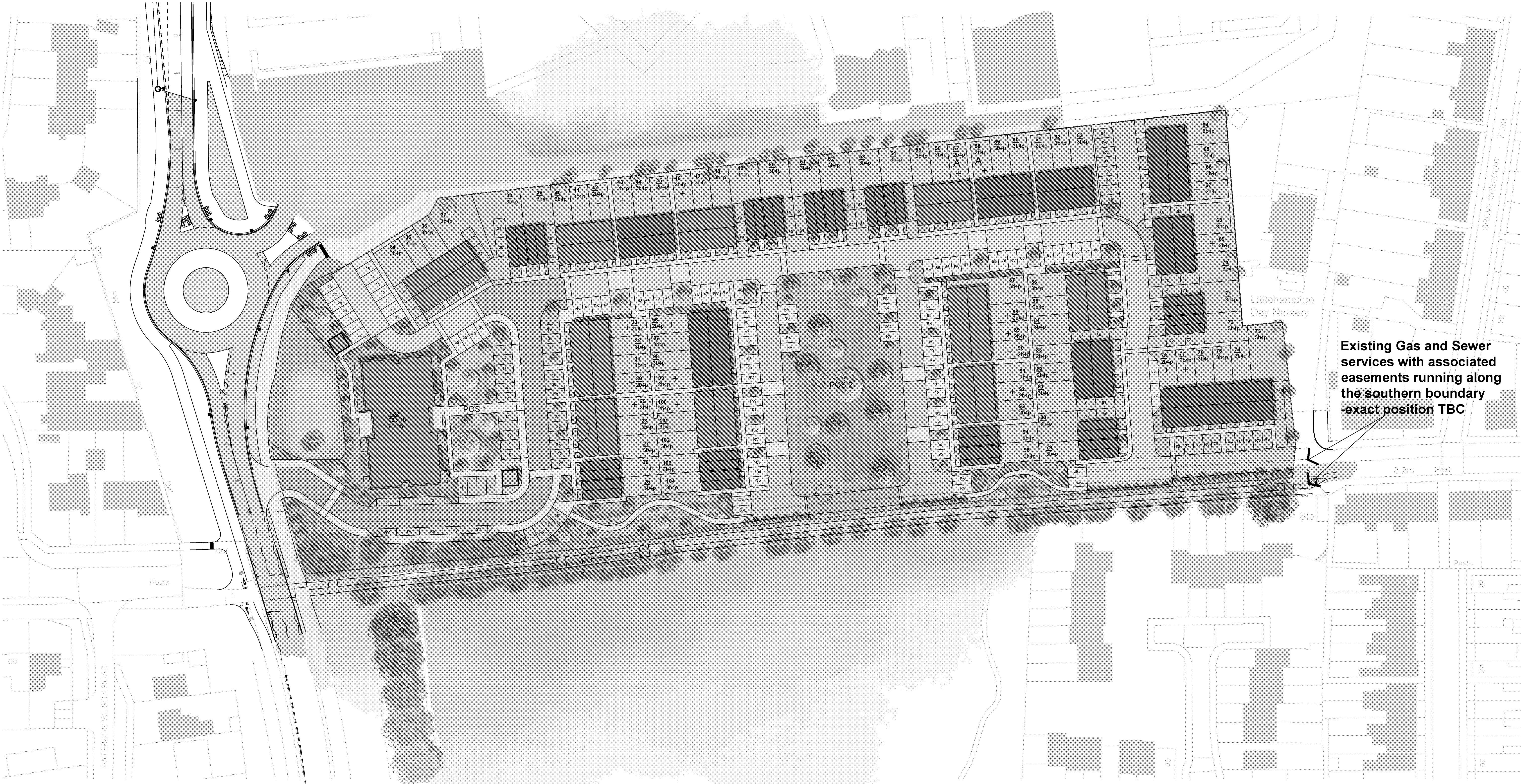
Appendix 1 – Site Plans

Illustrative Site Plan

ILLUSTRATIVE SITE PLAN -
80 HOUSES AND 32 APARTMENTS

Drawings for illustration purposes only.
Further input required from all consultants
including Arb, Civils, utilities etc..

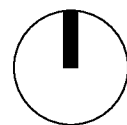
CDM 2015 Health & Safety Information
This information relates only to 'Significant Hazards' identified on this drawing
and is to be read in conjunction with the Designer's Hazard Register.



Schedule of Accommodations

Block 1	-	Apartments	-	32	- 4 storey's
23 x 1bed 2person					
9 x 2bed 4person					
2bed 4p	-	House	81.9m2	-	26 - 2 storey's
3bed 4p	-	House	88.9m2	-	54 - 2 storey's
A	-	Affordable units			
+	-	indicates 2 bed units			
TOTAL	-	112 units		-	80 houses and 32 Apartment

car parking -	1 space per apartment unit	= 32
	1 per house 2bed	= 26
	2 per house 3bed semi	= 34
	1 per house 3bed terrace	= 37
	Car Club	= 2
Visitors/Residents Parking		
2 bed (1.1 ration)	= 3	
3 bed	= 43	
Total		= 177



Client's Name
BoKlok

Job Title
Land at Fitzalan Road - Littlehampton

Drawing Title
Illustrative Site Plan

Scale
1:500 @ A1 / 1:1000 @ A3

Drawn
MN

Checked
PF

Date
29.01.20

Job No
6798

Drawing No
Little SK06

Rev
B

Status
PRELIMINARY

B	05.07.20	Layout updated to clients comments-parking	MN/YY	MN
A	17.05.20	Layout updated to clients comments - 112 units	MN/YY	MN
Rev	Date	Revision Details	Dr	Ch

London: 76 Great Suffolk Street
London, SE1 0BL
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Sussex: Brooklyn Chambers, 11 Goring Road
Worthing, West Sussex, BN12 4AP
T 01903 248777 E sussex@ecearchitecture.com
Bristol: Westworks, Colston Tower
Colston Street, Bristol, BS1 4XE
T 0117 214 1101 E bristol@eceworks.com
ECE Architecture
www.ecearchitecture.com

CAD Plot date: 6/07/2020 - 17:07:30 6620 site plan.dwg

Appendix 2 – Drainage Infrastructure

Southern Water Network Plans

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
0501	C	8.09	6.43	
0502	C	8.05	6.97	
0601	C	7.46	1.76	
060D	C	0.00	0.00	
0702	C	7.21	1.86	
070D	C	0.00	0.00	
1501	C	7.95	1.62	
1502	C	7.97	6.50	
1503	C	7.95	6.45	
1505	C	8.31	1.49	
1506	C	8.12	6.12	
1507	C	7.93	6.08	
1701	C	7.09	5.49	
2501	C	7.98	6.01	
3501	C	8.02	5.40	
441D	C	0.00	0.00	
442B	C	8.13	7.12	
44CD	C	8.22	7.19	
44DD	C	8.27	7.55	
44JD	C	8.32	7.63	
4502	C	8.23	0.00	
4503	C	8.40	6.46	
4508	C	8.56	6.94	
4512	C	8.32	6.61	
451D	C	0.00	0.00	
452D	C	0.00	0.00	
453D	C	8.45	7.41	
454D	C	8.47	0.00	
45BD	C	8.77	7.75	
45CD	C	8.64	0.00	
45ED	C	8.62	0.00	
460B	C	0.00	0.00	
460D	C	0.00	0.00	
461B	C	0.00	0.00	
461D	C	0.00	0.00	
462D	C	0.00	0.00	
463D	C	0.00	0.00	
464D	C	0.00	0.00	
4701	C	0.00	0.00	
54CD	C	8.24	0.00	
54ED	C	8.23	7.43	
5508	C	8.54	6.24	
5509	C	8.51	4.59	
550B	C	0.00	0.00	
550D	C	0.00	0.00	
551B	C	8.41	7.61	
552B	C	8.59	0.00	
553B	C	8.47	0.00	
553D	C	0.00	0.00	
554B	C	8.54	0.00	

[illegible][illegible]

Appendix 3 – Water Infrastructure

Southern Water Network Records



(c) Crown copyright and database rights 2020 Ordnance Survey 100031673

Date: 26/06/20

Scale: 1:1250

Map Centre: 503315,102618

Data updated: 15/06/20

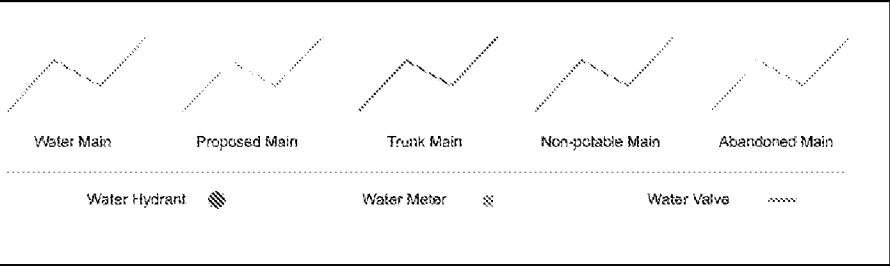
Our Ref: 409875 - 1

Clean Water Plan A3

The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. This plan is produced by Southern Water Services Ltd (c) Crown copyright and database rights 2020 Ordnance Survey 100031673. This map is to be used for the purposes of viewing the location of Southern Water plant only. Any other uses of the map data or further copies is not permitted.

WARNING: BAC pipes are constructed of Bonded Asbestos Cement.

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement.



clare.noton@t-d-s.com

Littlehampton - Bok



Appendix 4 – Gas Infrastructure

SGN's Network Records

Capacity Check Response



IXL -
a Lix 9 II
! 12

Dt If ↑ 1/9 Ik ← 0G ↓
! 1/8 Lt Lt

Date Requested: 26/06/2020
Job Reference: 19221624
Site Location: 503316 102621
Requested by:
Mr Dan Wright
Your Scheme/Reference:
BKL.U.05

[illegible]

WIRTSCHAFTS- UND VERKEHRSGESAMTSCHAFT DER DEUTSCHEN DEMOKRATISCHEN REPUBLIK

[IX]t t t t a L t
a t t t t t t t a L t
L t t t t t t t a L t
I t t t t t t t a L t

[! $\updownarrow$
D α $\updownarrow$

 $\{\{\{\mathbb{L}$

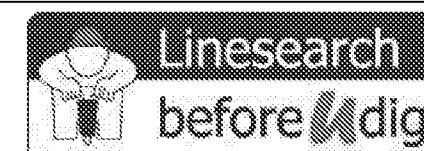
IXIT 94 IiXh hnt %DIT I
1 4 4 { 4 IXI O

5ti0pIX \$
/IX↑↑

50 CIT
/ DUTY

↑ • a

50 ↑ 100 ♂ [100 ♂ ! ↑ 100 ♂



$\exists x \in X, \exists y \in Y$ $(x \in A \wedge y \in B) \rightarrow (x \in C \vee y \in D)$

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



IXL - 1
a Lix 9 II - 1
! 1/2 1/2

Date Requested: 26/06/2020
Job Reference: 19221624
Site Location: 503316 102621
Requested by:
Mr Dan Wright
Your Scheme/Reference:
BKL.U.05
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

[illegible]

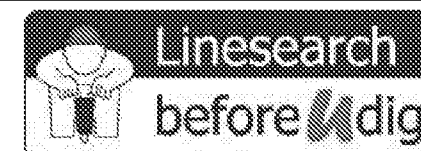
www.fishbase.org

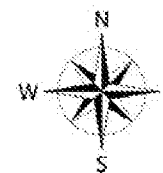
[IX] t t t t t a L t t
a t t t t t t t t a L t t
L t t I t t t t t t t a L t t
I t t t t t t t t a L t t



{IXIt 9uIiXst hbtWltIt I↑
 1U↑ 4 {±DXI O 5riDIX \$ 50UIt↑ : aLpT0U/3 " /DAIt↑

5G↑↑♂ [0E♂.....!↑TL♂.....

[illegible]



SGN
Your gas. Our network.

$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}x^2} dx = 1$$

DT II ↑ L/9 II ← TT ↓
! 1/4 TT L

Date Requested: 26/06/2020
Job Reference: 19221624
Site Location: 503316 102621
Requested by:
Mr Dan Wright
Your Scheme/Reference:
BKL.U.05
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

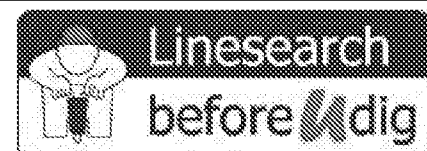
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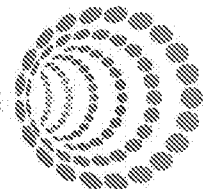
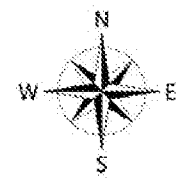
www.ijerph.com (E-ISSN 1660-3659) (P-ISSN 1660-3667) © 2018 by the authors. Published by MDPI.

IXt↑↑↑↑a LIT
a to GIt↑↑↑↑a LIT
LIT↑↑I to GIt↑↑↑↑a LIT
I GIt↑↑↑↑a LIT

$$\begin{array}{c} [! \updownarrow \\ D \propto \uparrow \end{array}$$
$$\begin{array}{ccccccc} \{IX\uparrow 9\downarrow II\downarrow h\uparrow b\uparrow t\downarrow 1\downarrow P\uparrow t\uparrow I\downarrow \\ 1\downarrow P\uparrow t\downarrow 4 & \{IX\downarrow II\downarrow O & 5\uparrow t\downarrow O\downarrow P\downarrow IX\downarrow & \$ \end{array}$$

56 [..... !

[illegible]



SGN
Your gas. Our network.

$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ 1 & -i \end{pmatrix}$
 $a \begin{pmatrix} 1 & i \\ 1 & -i \end{pmatrix} \begin{pmatrix} 1 & i \\ 1 & -i \end{pmatrix} \begin{pmatrix} 1 & i \\ 1 & -i \end{pmatrix}$
 $! \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ 1 & -i \end{pmatrix}$

DT If $\uparrow \downarrow \uparrow \downarrow \uparrow \downarrow \uparrow \downarrow$
! $\frac{1}{2} \uparrow \downarrow \uparrow \downarrow$

Date Requested: 26/06/2020
Job Reference: 19221624
Site Location: 503316 102621
Requested by:
Mr Dan Wright
Your Scheme/Reference:
BKL.U.05
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

[illegible]

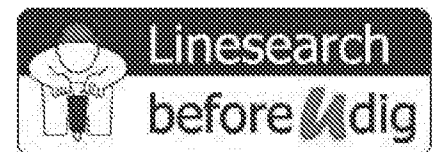
```
writeFullFile('Irodor%EX99%9%9ab9!' + DOCha + 9! w9!
return ""
```

IXt↑↑↑↑↑a LIII
a to GIt↑↑↑↑↑a LIII
LII↑↑I to GIt↑↑↑↑↑a LIII
I Gd_{pt}↑↑↑↑↑a LIII

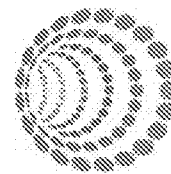
$$\begin{array}{c} [! \updownarrow \\ D\alpha \updownarrow \end{array}$$
 $\{\{\{\updownarrow\}$ 

1 L4 4 { 4X 0 5IX \$ 50IT ; a L4 11

$5G \rightleftharpoons T \rightarrow [CT] \rightarrow !T$



$\{ \text{I} \times \text{I} \mid \text{I} \in \text{I} \}$



SGN
Connections

12 August 2020

Our Ref: 2051652
Your Ref: None given

SGN Connections
St Lawrence House
Station Approach
Horley
Surrey
RH6 9HJ

Mr Dan Wright
TDS Southern
Hillreed House, 54 Queen Street
Horsham
West Sussex RH13 5AD

Customer Service [REDACTED]

Dear Mr Wright

New connection at Fitzalan Road, Littlehampton, West Sussex BN17 6FE

Thank you for choosing us to give you a budget indication for a new connection at the above site, and please find our estimate below.

Work to be carried out

SGN Connections to install appropriately sized gas infrastructure from Fitzalan Road to serve 1 non-domestic property. SGN Connections to provide all excavation and reinstatement of the trenches in public ground up to site boundary. Customer to provide all the pre-excavation, backfill and reinstatement within site boundary. SGN will supply and fit a kiosk for the bulk meter and customer to construct appropriate base. No meter work is included.

Your budget indication is £ 10,500.00 (inc VAT)

Please note that this figure is a budget indication only, it is based upon an hourly load of 454 kW and an annual quantity of 454,000 kWh along with any other information you've given us, and doesn't represent an offer to carry out the work.

We're assuming no easements or third party permissions are required to carry out the work.

Please note that this budget indication doesn't allow for any diversion of our existing infrastructure if we find it's necessary. You can get further detail on this by calling our Customer Service line on the number at the top of this page and asking to speak with the Mains Diversions and Isolations team.

If you have any further questions, please feel free to contact me by calling our Customer Service Team on the number at the top of this letter and asking to speak with the undersigned.

Yours sincerely

Linda Amos
Technical Assistant

* All calls are recorded and may be monitored

Smell gas?

ARUN DISTRICT COUNCIL 12/12/2020

SGN Connections Limited
Registered in England & Wales No. 05618886
Registered Office: St Lawrence House | Station Approach | Horley | Surrey RH6 9HJ

NF129b v5.0

Appendix 5 – Electricity Infrastructure

UKPN's Network Plan

Budget Estimate



0

25

50

metres

Dig Sites

Area:

Line:

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.

This plan must be used with the attached 'Symbols' document.

Date Requested: 26/06/2020
Job Reference: 19221624
Site Location: 502821 102250
Requested by:
Mr Dan Wright
Your Scheme/Reference: BKL.U.05
Scale: 1:500 (When plotted at A3)

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 the cables have been determined.

4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.

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

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

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

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

2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.

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

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

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

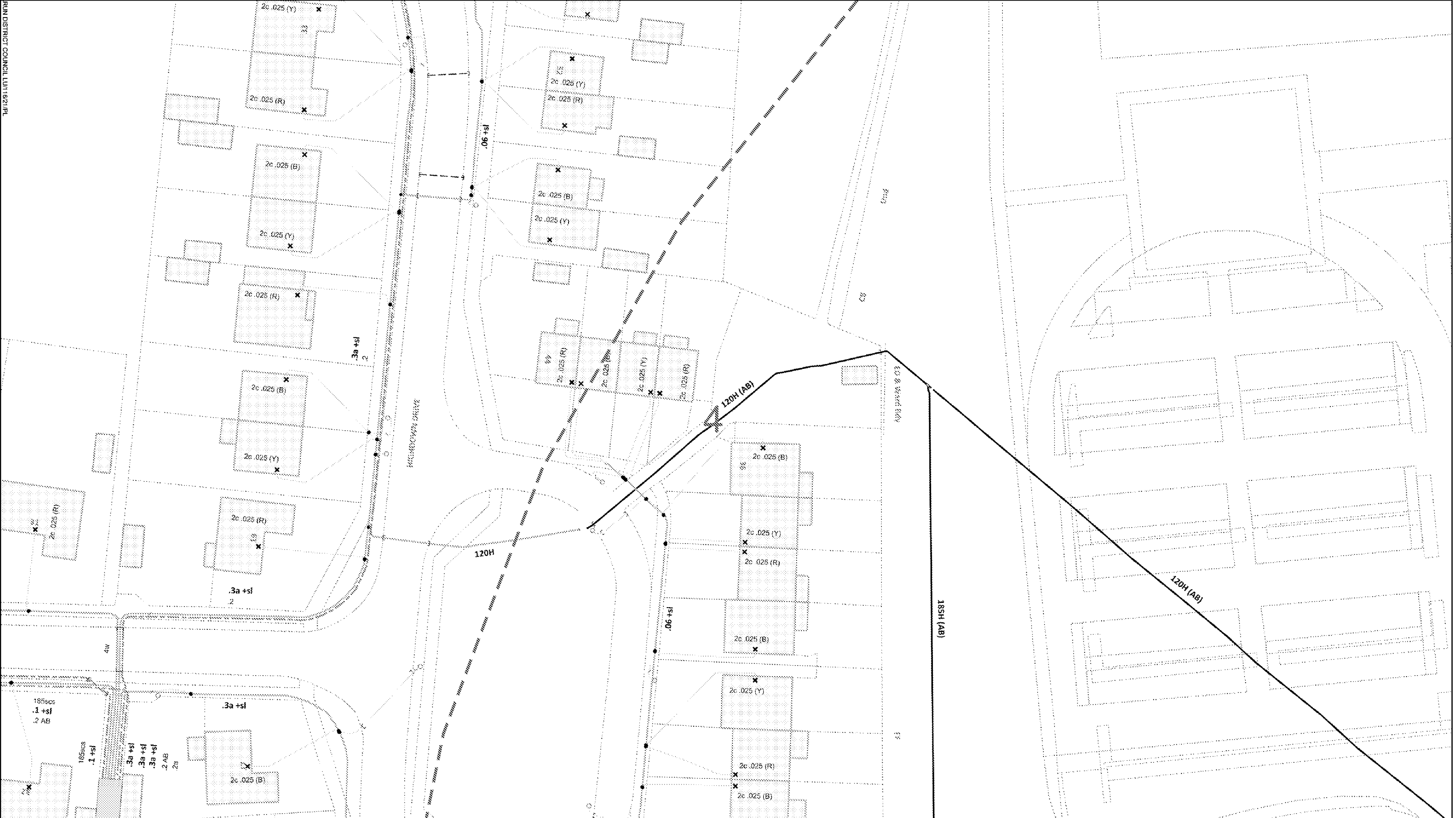
UK Power Networks

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

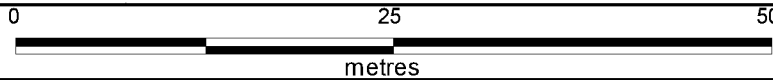
ALWAYS LOOK UP BEFORE YOU START WORK
Refer to HSE Guidance note GS6

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

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Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.



0 25 50 metres Dig Sites Area: Line: 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.		
This plan must be used with the attached 'Symbols' document. Date Requested: 26/06/2020 Job Reference: 19221624 Site Location: 502821 102250 Requested by: Mr Dan Wright Your Scheme/Reference: BKL.U.05 Scale: 1:500 (When plotted at A3)	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 the cables have been determined. 4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc. 5. All cables must be treated as being live unless proved otherwise by UK Power Networks. 6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes. 7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.	IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note GS6



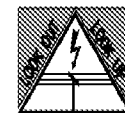
Dig Sites

Area:

Line:

/// /// /// ///

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.



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

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

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

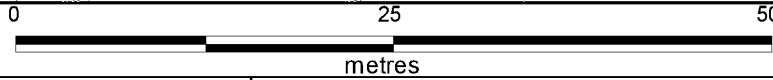
This plan must be used with
the attached 'Symbols'
document.

Date Requested: 26/06/2020
Job Reference: 19221624
Site Location: 502821 102250
Requested by:
Mr Dan Wright
Your Scheme/Reference: BKL.U.05

Scale: 1:500 (When plotted at A3)

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.
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5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

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



Dig Sites Area: Line:

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.

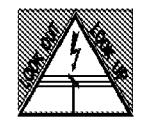
This plan must be used with
the attached 'Symbols'
document.

Date Requested: 26/06/2020
Job Reference: 19221624
Site Location: 502821 102250
Requested by:
Mr Dan Wright
Your Scheme/Reference: BKL.U.05

Scale: 1:500 (When plotted at A3)

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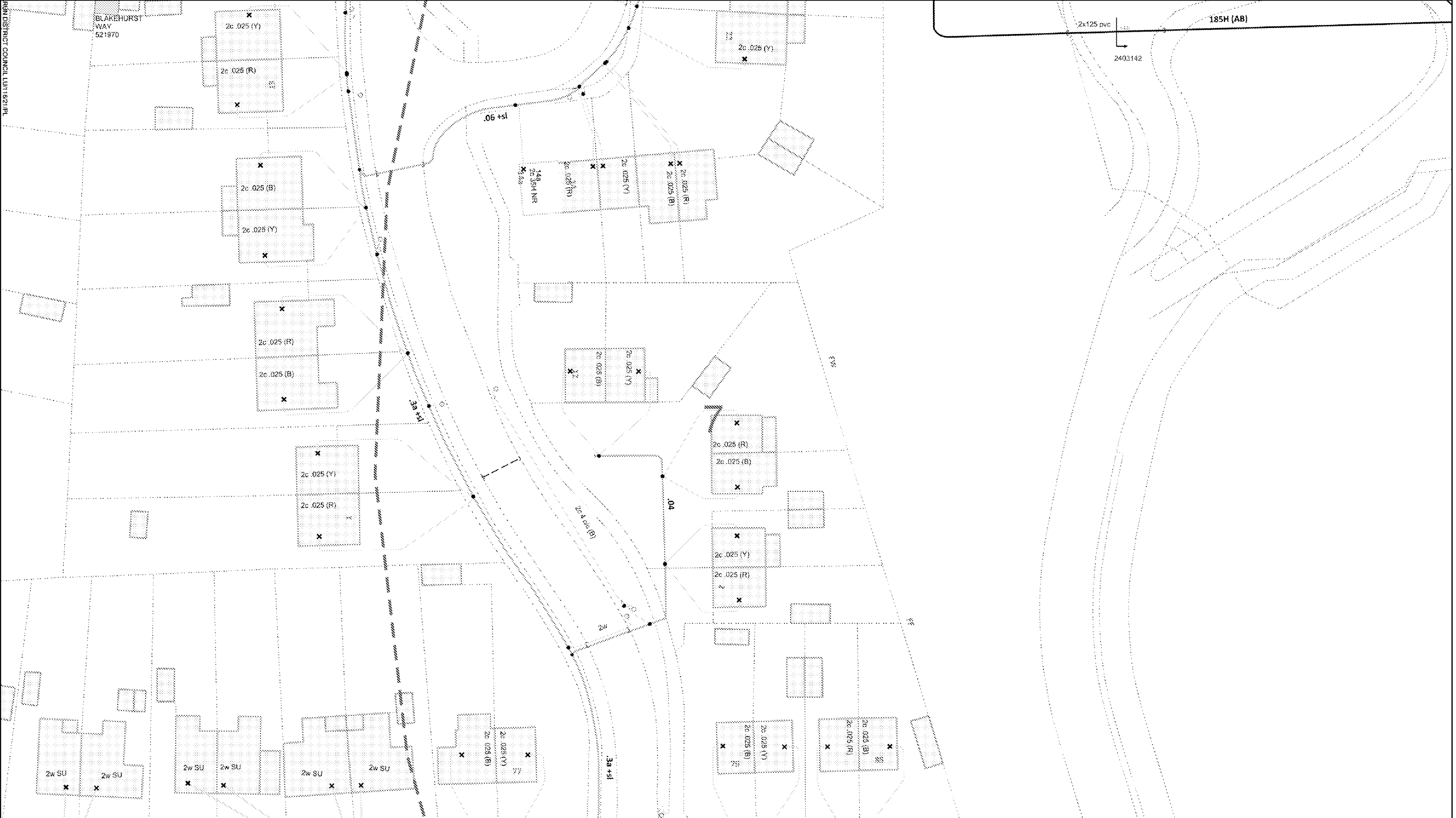
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ALWAYS LOOK UP
BEFORE
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Refer to HSE
Guidance note GS6

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EMERGENCY - If you
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Phone 0800 783 8838
(24hrs) URGENTLY

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metres

Dig Sites

Area:

Line:

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Date Requested: 26/06/2020
Job Reference: 19221624
Site Location: 502821 102250
Requested by:
Mr Dan Wright
Your Scheme/Reference: BKL.U.05
Scale: 1:500 (When plotted at A3)

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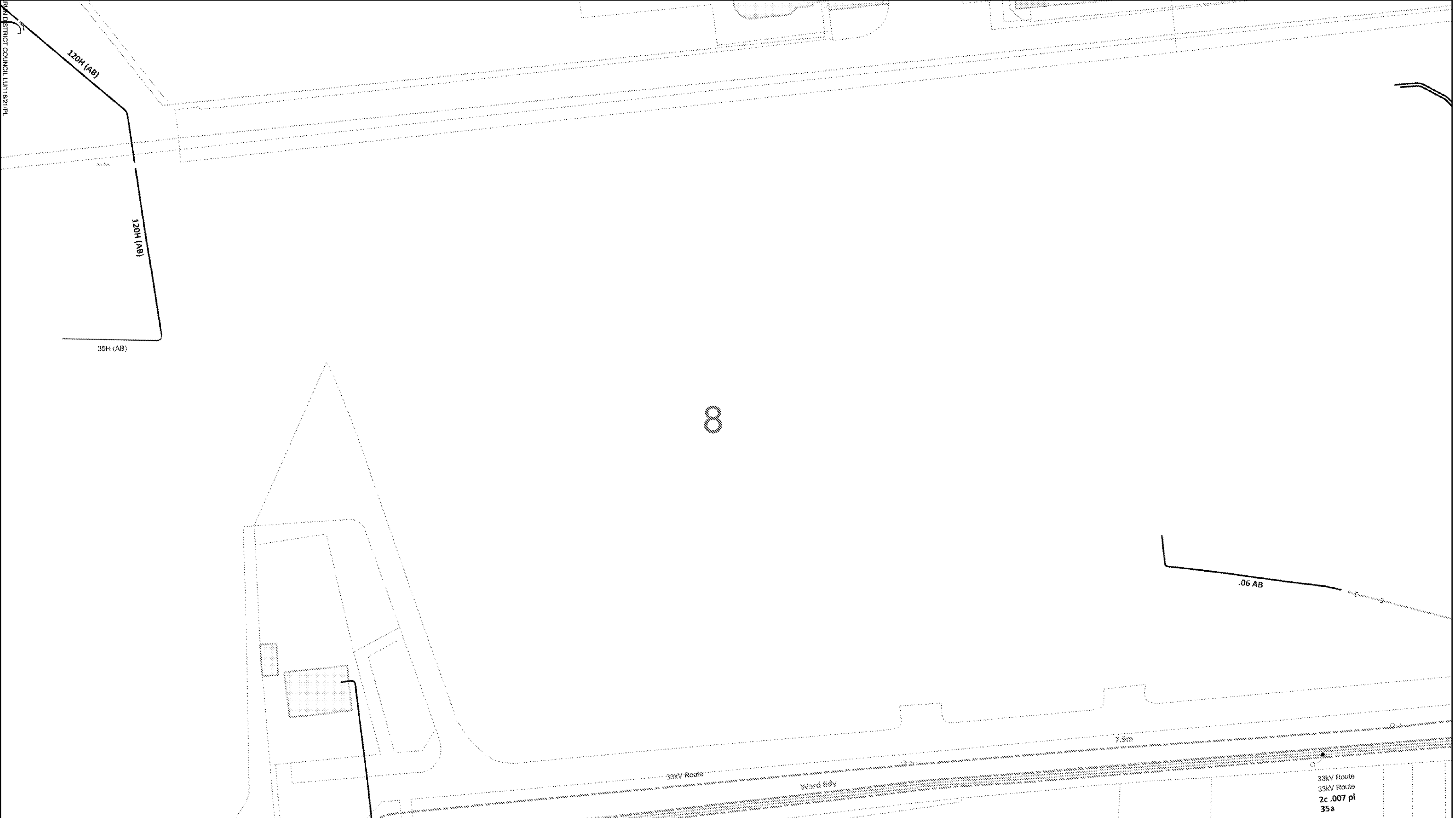
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02550metres

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UK Power Networks

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0 25 50

metres

Dig Sites Area: Line:

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Site Location: 502821 102250
Requested by: Mr Dan Wright
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026/06/202019221624502821 102250Mr Dan WrightBKL.U.051:500 (When plotted at A3)

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025metres

02550

Dig Sites

Area: ~ ~ ~ ~ ~

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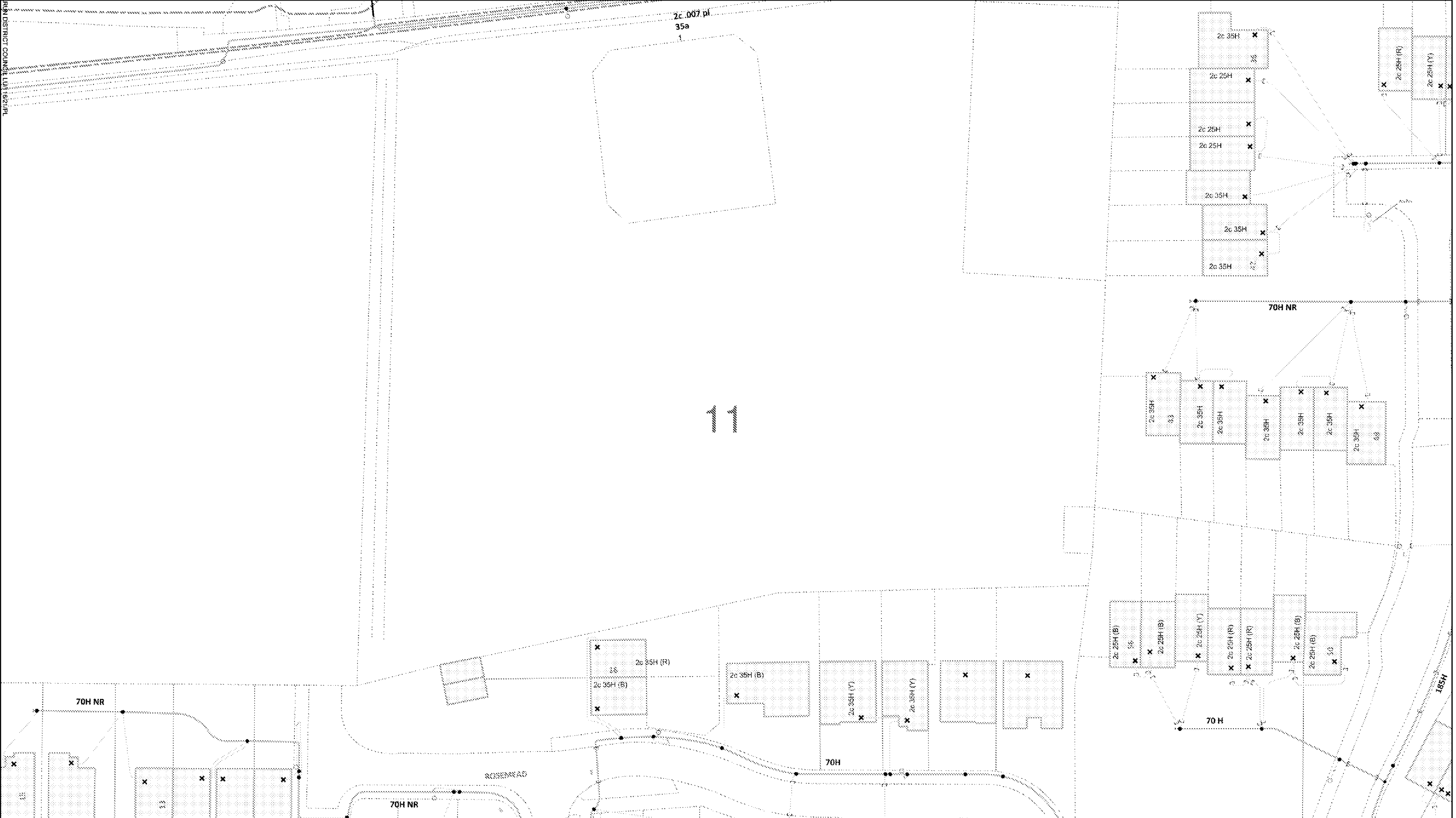
UK Power Networks

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026/06/202019221624502821 102250Mr Dan WrightBKL.U.051:500 (When plotted at A3)

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02550metres

Dig SitesArea:Line:

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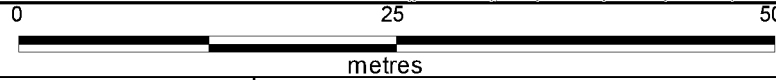
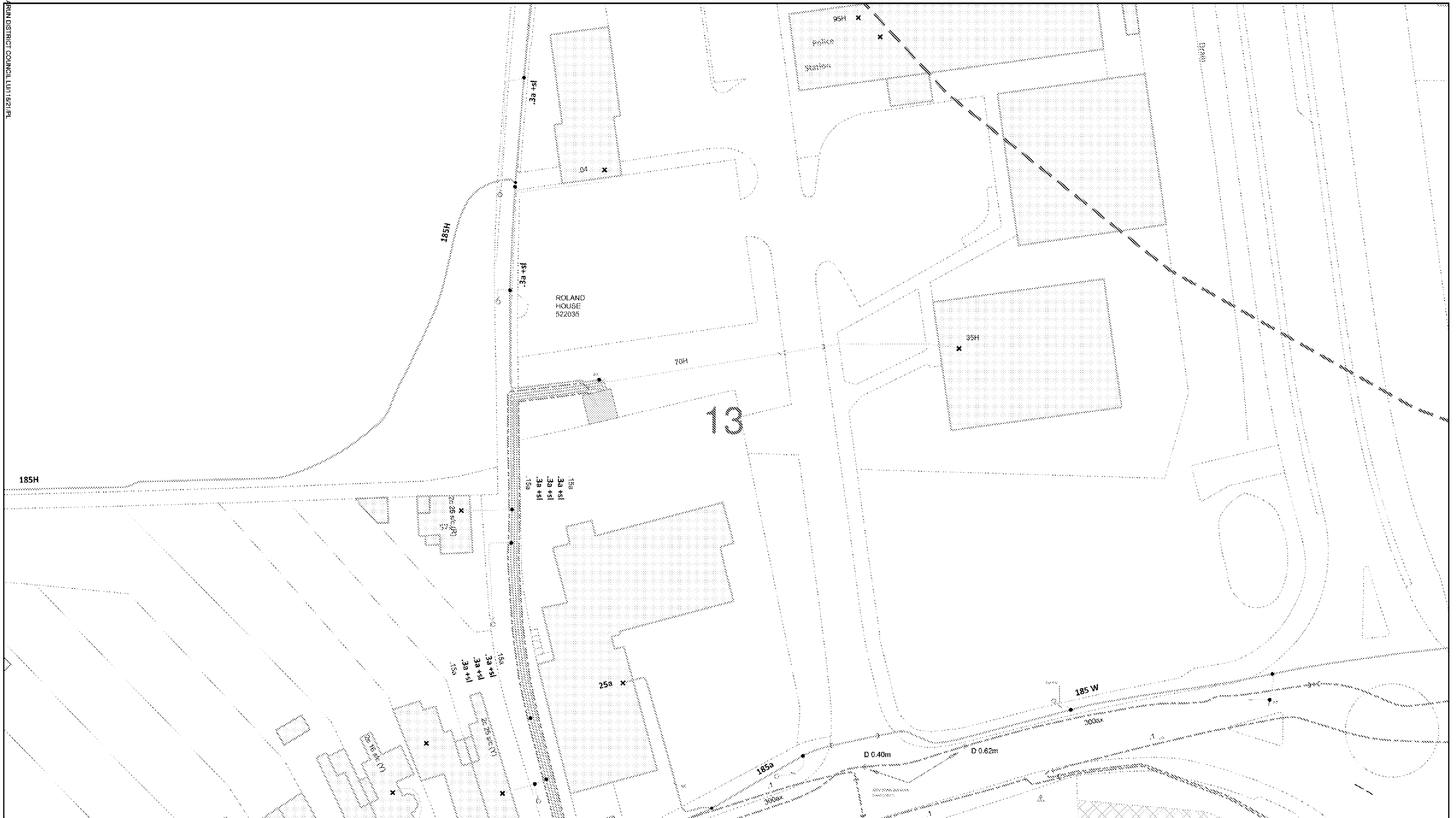
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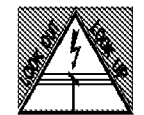
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Mr D Wright
TDS Southern
Hillreed House
54 Queen Street
Horsham
West Sussex
RH13 5AD

16th July 2020
Our Ref: 8500151411

Dear Mr Wright,

Site Address:- Fitzalan Road, Littlehampton, West Sussex BN17 6FE.

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. 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.

1. Budget estimate

The budget estimate for this work is: **£210,000.00** (exclusive of VAT) if the Point of Connection (POC) is to the high voltage network along the Cycle Way. This is to provide 112 connections at 230volts and a connection at 400volts.

This budget estimate is to provide a ringed high voltage supply to a new substation in the middle of the proposed development and to lay a low voltage cable into each intake position. This is based on the loading requested not exceeding 968kVA, all the excavation and reinstatement on the site being carried out by your contractors.

Please note the regulations for multi-occupancy buildings have changed and UK Power Networks responsibility will finish at the cut out position (please see enclosed leaflet).

Additional costs may be required for off-site reinforcement. This will be decided by the results of a network study, which will be carried out during preparation of the formal quotation. The price would depend on site conditions, on obtaining any necessary legal consents, traffic management requirements, final load details, site layout and the route of our incoming cable(s).

It will be necessary to establish a new totally enclosed substation on the development site, in situations where a standard GRP substation enclosure can be used, an area of land of at least 4m x 4m will be required. If, however, you prefer to construct a brick substation then an area of land of at least 5m x 5m will be required. Planning Permission, although not required for a GRP substation, will be required for a brick built enclosure, and it will be your responsibility to obtain this.

The substation must be located such as to minimise the need for the manual handling of heavy plant. The Manual Handling Operations Regulations 1992 require the use of mechanical handling whenever this reasonably practicable. To meet these regulations, we use a lorry-mounted crane to deliver substation plant. The project must therefore be planned to ensure that it is suitable for the delivery of plant from a large vehicle. The Construction (Design and Management) Regulations 2015 also require that consideration be given to the safe installation, maintenance and eventual removal of equipment. To comply with this legislation, we need to be able to gain access with a suitable vehicle throughout the life of the project.

2. 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.
- Unless stated in your application, all loads are assumed to be of a resistive nature. Should you intend to install equipment that may cause disturbances on UK Power Networks' electricity distribution system (e.g. motors; welders; etc.) this may affect the estimate considerably.
- All UK Power Networks' work is to be carried out as a continuous programme of work that can be completed substantially within 12 months from the acceptance of the 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.

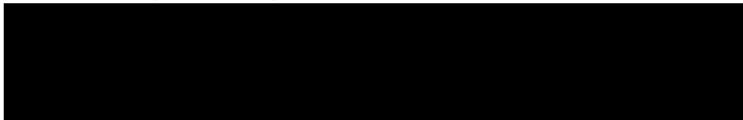
If you would like to proceed to a formal offer of connection then you should apply for a quotation, Please refer to our website http://www.ukpowernetworks.co.uk/internet/en/help-and-advice/documents/the_connection_process.pdf for '**The connection process**' which details our application process. To 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



Trevor Cross
Prelims Project Designer



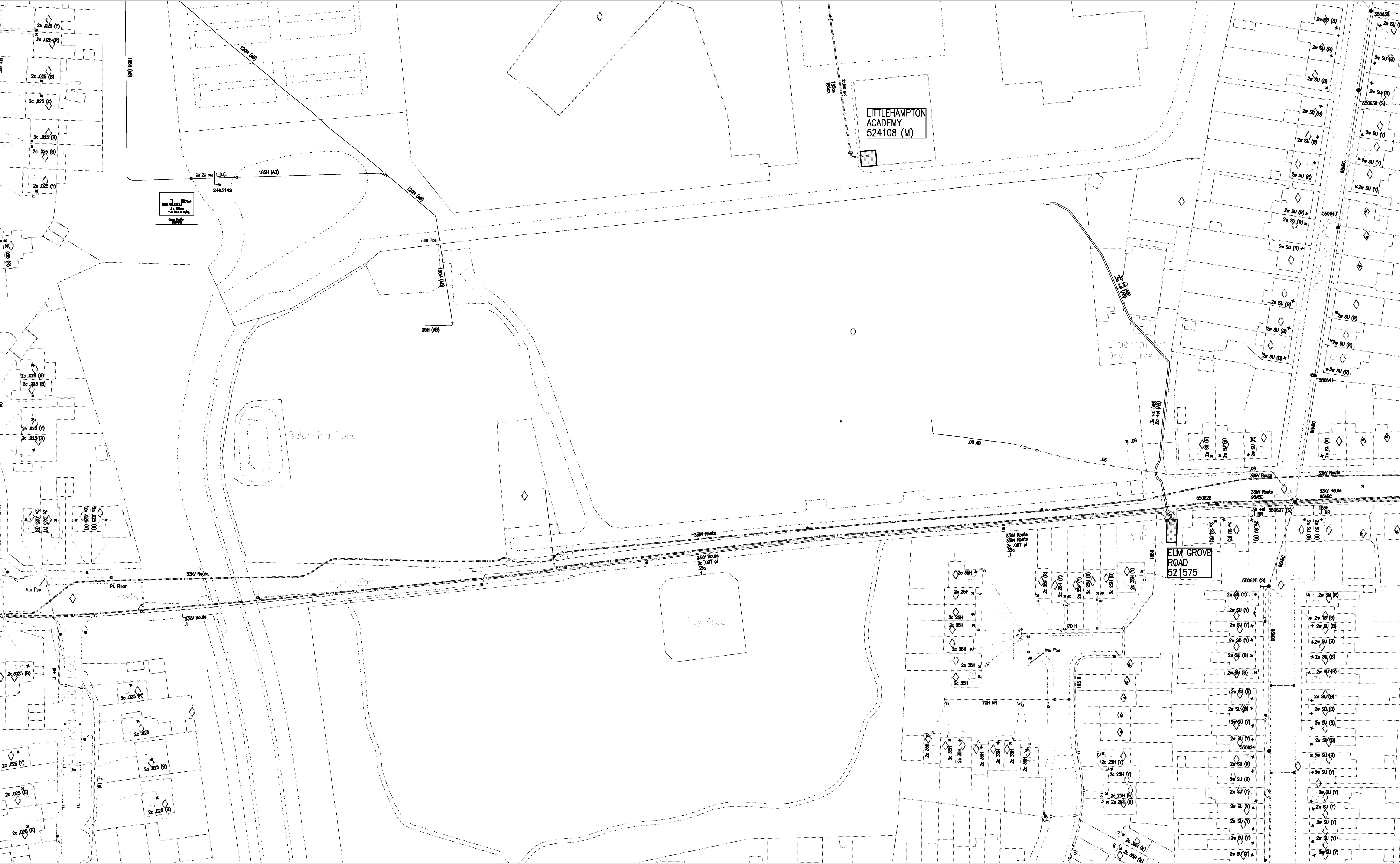
Your feedback is important to us, and we would be grateful if you would complete a short questionnaire to tell us about the service that you have received in relation to this Budget Estimate. The customer relations team do contact a small number of customers by telephone as well. You can remain anonymous if you prefer when you provide this feedback. Please follow this [link](#) to complete the survey; it will take you only a few minutes. Thank you in advance for your help.

I will call you in a couple of days to ensure that you have received the Estimate and that it has met all of your requirements, however if you have any questions in the meantime please do not hesitate to contact me.

Title:

JOB NO:

STANDARD PLOT



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 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. 5. Service cables shown only where known. 6. All cables must be treated as being live unless proved otherwise by UK Power Networks. 7. 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. 8. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.	0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m 110m	The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground. VISITING AN OPEN POINT? Please mark on this plan all locations visited and open points as found, then return updated map to your Business Unit - Thank You. Contact UK Power Networks on 0800 056 5866 for details of EHV Cable routes before commencing work. Plan Provision CHECK IT OUT BEFORE YOU DIG IT OUT CALL 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 096 3766 (24hrs) URGENTLY ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note GS6 Grid Ref: TQ 03309 02599 Map Centre: TQ0302NW Scale: 1:500 (When Plotted at A1) Plotted on: 16/07/2020 Plotted by: Cross, Trevor UK Power Networks
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Appendix 6 – Dual Fuel Infrastructure

GTC Budget Costing

Fulcrum Budget Costing

UKPs Budget Costing

GTC Ref: South East/34123613/428876

**Budget Quotation for: Fitzalan Road, LITTLEHAMPTON, West
Sussex, BN17 6FE**



**Prepared for: Boklok (c/o TDS - Technical and Development
Services Ltd)**

Electricity 

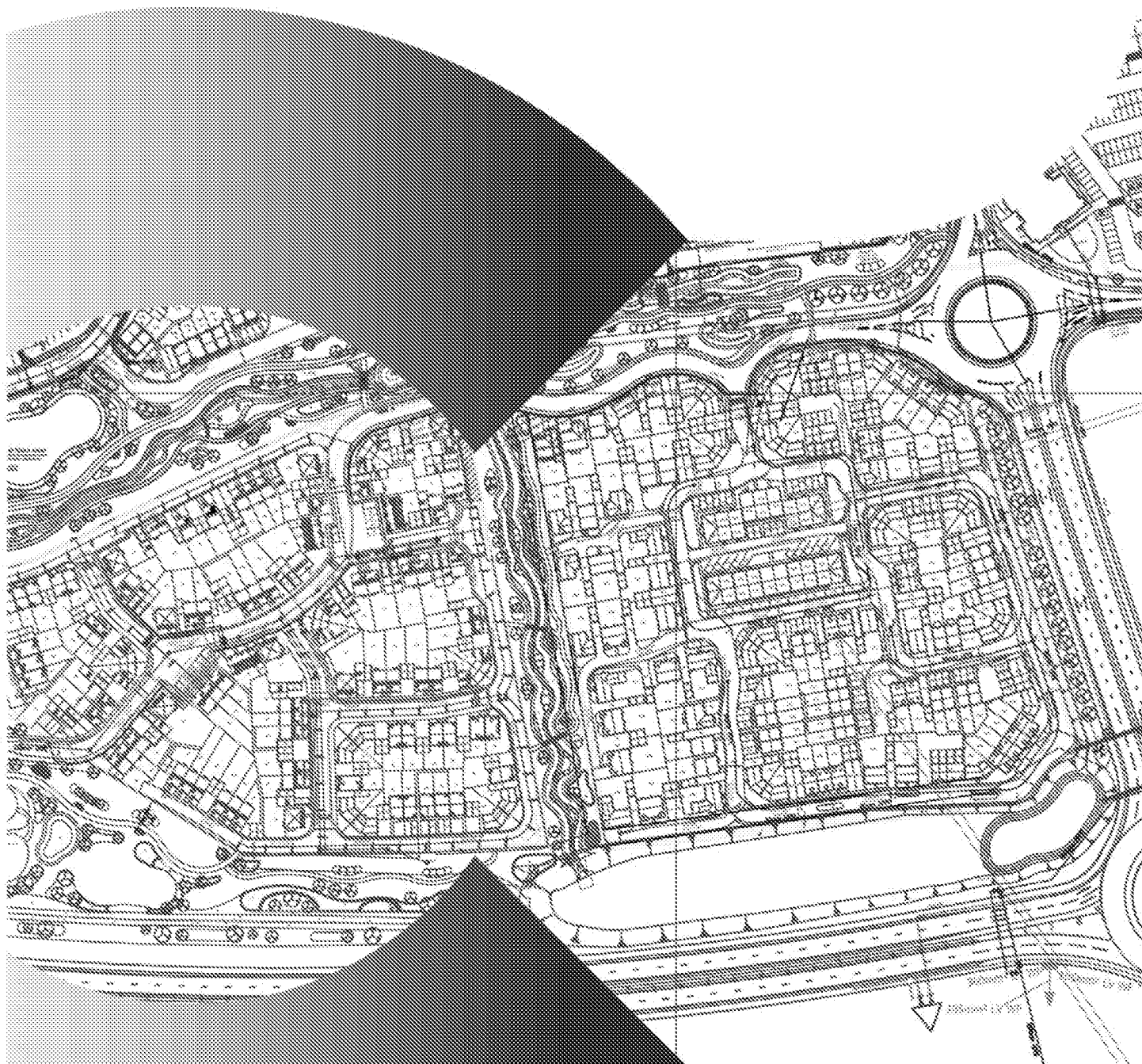
Fibre 

GTC Contact: Katy Taylor

Mob: 07711 368781

Tel: 01359 240154

Date of Quotation: 23 July 2020



1.0 INTRODUCTION

Summary of Offer

Following your recent enquiry regarding the project at Fitzalan Road, LITTLEHAMPTON, West Sussex, BN17 6FE, we have used the information you provided GTC to produce a budget costing to meet your requirements. GTC's price to provide electricity & fibre infrastructure (based on the terms of offer set out in this quotation) is a contribution from Boklok to GTC of £82,359.30.

Breakdown of Offer

Onsite Costs

This is the cost to provide mains and services to the development within the site boundary:

On-site works	
You pay GTC	£69,745.26

Offsite Costs

These costs include any off-site costs that are required, including the costs of Upstream Network Operators (NWO), to complete the work to supply your site:

Off-Site Works	
Off-site works (GTC) – Electricity:	£4,614.04
Network Operator Costs – Electricity:	£8,000.00
TOTAL OFFSITE – You pay GTC	£12,614.04

Fibre Rebate Information

GTC's offer above is inclusive of a fibre rebate of **£300.00 per plot** (£100 of which is conditional upon you pre-wiring the plot to enable the resident to receive Sky Q television services, via satellite dish or communal Fibre Integrated Reception System (FIRS), in accordance with the Sky Approved Developer Terms). This rebate has been deducted upfront from the on-site total giving the advantage of no administration burden for you to claim the individual plot rebates as they are connected.

Fibre Rebate Included in This Offer Already Deducted From the On-site Total	
112 plots with a £300.00 per plot rebate:	£33,600.00

Additional Fibre Network Value to Help with Comparison to Other Providers Quotes

In addition to the rebate above, this offer is based on GTC's innovative fibre installation method which means Boklok will no longer have the cost or hassle of laying a duct and chamber network. GTC estimates that this gives a further construction cost to Boklok of £130.00 per plot which you may need to take in to account when comparing to other quotes.

Estimated Value to Boklok of Construction Costs Saved	
112 plots with £130.00 per plot saving	£14,560.00

2.0 SITE DETAILS

Schedule of Domestic Plots

Property Type	1BF	2BF	2BS	2BT	3BS	3BT	Total
Electricity	23	9	19	7	35	19	112
Fibre	23	9	19	7	35	19	112

Schedule of Disturbing Loads

Description	Qty	Starting Current (A)	Maximum Power Rating (kVA)	Total (kVA)
Landlord - Single phase	1	0	15	15

3.0 TERMS OF OFFER

Electricity Terms

This quotation includes indicative electric point of connection (PoC) and off-site costs. Costs associated with the PoC are therefore subject to change.

Please note: PoC and off-site costs will be provided when the upstream DNO has provided these details in full. However, PoC and non contestable charges will be the same regardless of who is to own the network.

GTC has assumed a High Voltage (HV) connection. Due to the size of the site 1 substation will be required and the costs are included in this quote. GTC has assumed that the Developer will carry out all civil works associated with the substation at their own cost.

This quotation includes the excavation and reinstatement costs in public highway (2m footpath), which will be carried out by GTC.

GTC has assumed that the Developer will construct a brick-built housing for the substation to GTC specifications.

If the development is in an area that the environment agency consider to be susceptible to a risk of flooding, then any electrical plant and equipment will need to be established at a level 600mm above the 1 in 100 year predicted flood level, or the Developer will need to guarantee that they have mitigated the risk of flooding by incorporating suitable flood defences.

Diversions or abandonment works may be required and are excluded from GTC's quote. The details can be obtained by contacting the upstream DNO.

The Developer shall be responsible for all on-site excavation and reinstatement.

GTC has assumed all mains and services feeding 112 Plots will be in trenches pre-excavated by the Developer.

GTC's mains will typically be laid down one side of the estate roads to minimise on road crossings, service lengths and mains lengths. This quote does not include ducting as this is the responsibility of the Developer to install suitable ducts and jointing pits at the Developers cost to GTC specifications.

GTC's quote is based on 112 Plots having electric heating (via ASHP).

GTC has calculated the total load for the site to be 498kVA.

This quotation includes capacity for 34 plots having electric vehicle charging points each with a demand of 7.2kVA. These are to be installed downstream of the meter at each property.

GTC's quote is based on meter positions for the houses to be external on the front elevation of each property. Where internal meters are to be fitted, the Developer will be responsible for establishing a metering location in accordance with GTC standards GE-TGI-IG-0015, details of which will need to be confirmed by the Developer.

GTC's quotation excludes meter boxes and hockey sticks. GTC can supply these at an additional charge of £22.10 each for standard meter boxes.

GTC has included for 1 single phase Landlord supply at 15kVA.

GTC has assumed the electrical intake position and risers for 32 flats in 1 MSDB, will be in a single centralised location on the ground floor for each block of flats, and that the meter positions will be in the communal riser cupboard on each floor where the risers run only vertically through the building structure. GTC will provide LS0H cable supplied free issue for installation by the Developer on cable tray to the standards required by GTC - the Developer must install suitable cable tray for the LS0H cables to the standard required by GTC. The Developer must provide an unrestricted access route to the intake position and provide suitable space and clearances for GTC's apparatus to be installed and operated in accordance with GTC standards.

Based on the information you have provided GTC has not included for any lift motors, pumping stations or other disturbing electric loads (such as welders, motors, heat pumps or air conditioning equipment) in this quotation.

GTC's quotation excludes the cost of Temporary Builders Supply (TBS). The indicative cost to connect this is £1,600.00, this cost assumes the Developer shall be responsible for all excavation and reinstatement; the Developer will provide a weatherproof lockable box/kiosk with suitable internal space to accommodate the meter board the meter location less than 25m from GTC's installed and energised mains. This price includes for the disconnection of the temporary supply upon request.

GTC's quotation excludes the cost to connect adoptable street lighting columns. GTC can connect these for an additional charge, the current price for this work is £302.50 per column. This cost includes the supply and lay of 9m of service cable between GTC's existing Low Voltage (LV) mains and the street lights, in this cost GTC has assumed you will provide ducting and excavation to GTC specifications. Prior to the energisation of the street lights you will need to have appointed an electricity supplier for the supply of the street lights. Following the first energisation the terms of connection will be as set out in the National Terms of Connection or in a separate agreement between GTC and yourself.

GTC's Technical Guidelines for Electricity can be found here: <http://www.gtc-uk.co.uk/technical-guidelines>

Fibre Terms

This quotation includes any off-site excavation and reinstatement works required to be completed for a connection from the on-site fibre duct network on the development at the site entrance to the appointed Backhaul Provider. These works will be carried out by GTC.

This quotation is based on GTC installing the fibre infrastructure using Direct Lay methodology as detailed in GTC document GF-TGI-IG-0393 - Direct Lay Fibre to the Home Networks. All the Developer will need to install is the 50mm fibre service duct and complete installation of the chambers.

The Developer shall be responsible for all on-site excavation and reinstatement associated with the installation of the fibre network, including the mains, services and On-Site Convergence Point (OSCP).

The Developer shall be responsible for preparation within the Plots to ensure a Plot is ready to receive a fibre service. GTC will liaise with you on the specific requirements during the design stages and brief out final requirements at a fibre construction pre-start meeting.

All works should be completed in line with the appropriate Fibre Technical Guidelines (Direct Lay Fibre to the Home Networks GF-TGI-IG-0393 or Fibre to the Home GF-TGI-IG-0016).

To ensure that the homeowners moving into their new property can enjoy the maximum benefit from GTC's Ultra-Fast Fibre Optic Distribution Network, GTC strongly recommend the Developer follows the minimum in-home technical requirements as specified within the appropriate Fibre Technical Guidelines.

The Developer shall be responsible for ensuring that each Plot is pre-wired to enable the resident to receive Sky Q television services (via satellite dish or communal FIRS) in accordance with the enclosed Sky Approved Developer Terms and will highlight to purchasers of its Plots Sky Triple Play (being a phone, broadband and TV

service offering provided by or on behalf of Sky) as well as the fact that Sky are the Developer's preferred solution for TV, broadband and phone services. The Developer will be required, in addition to (and separately from) GTC's Standard Terms and Conditions, to enter into (and to comply with) the Sky Approved Developer Terms. Sky pre-wiring specification documents can be found on GTC's website and via the link below.

This offer includes the option of FIRS. If selected, a FIRS signal survey will be performed following acceptance of the proposal to finalise the positioning of the aerials and dish. The FIRS aerials and dish will require a solid mounting within visibility of the terrestrial transmitters and satellite. This mounting would typically be on the wall of a substation, roof top of an apartment block or similar solid object. The mounting must be within approximately 20 metres of the OSCP or cabinet housing the FIRS equipment. If no such object is available an additional charge may be necessary to provide a mast or similar. Should a mast be required you will need to seek the appropriate planning permission for its deployment. Where FIRS equipment is deployed within an apartment block riser it must be fed using a landlord supply and accessible to Open Fibre Networks Ltd (OFNL) to inspect, maintain, adjust and repair.

The Developer will need to ensure each Plot is correctly wired to ensure a Plot is ready to receive a FIRS service. Details on all in home requirements and all associated on-site build requirements can be found in the GTC FIRS Technical Standards GF-CIC-ES-0059.

Additional Developer contribution for FIRS	
Boklok pays GTC	£41,378.84

GTC's Technical Guidelines for Fibre and FIRS and Sky Q Pre-wiring Technical Specifications can be found here: <http://www.gtc-uk.co.uk/technical-guidelines>

4.0 CONFIDENTIALITY

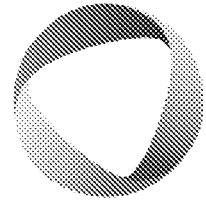
This quotation and associated documentation is confidential between GTC, Boklok and their associated parties for this project. It contains commercially sensitive information and should not be divulged to any other party without written permission from GTC.

Should you be successful in obtaining and developing this site, GTC will be pleased to supply a firm quotation. Please return a detailed site plan and a completed quotation request form. GTC trust that this budget costing will be acceptable and look forward to receiving your instructions.

5.0 CONTACT DETAILS

Should you require further details please do not hesitate to contact your GTC Sales Contact, Katy Taylor (07711 368781) or the Sales Support Team (01359 240154) to discuss further.

DATE 22/07/2020
QUOTATION REFERENCE 5101939/PQ190053
YOUR REFERENCE



FULCRUM

Technical & Development Services (Southern) Limited
Hillreed House
54 Queen Street
Horsham
RH13 5AD

Tel: 03330 146 466

2 Europa View
Sheffield Business Park
Sheffield S9 1XH

Dear Mr Wright,

RE: Fitzalan Road, Littlehampton, BN17 6FE

Thank you for giving us the opportunity to quote for works at the above site.

I am pleased to provide you with the following indicative price for the works as detailed below:

- Lay new gas service terminating at boundary in kiosk and base.
- Assumed HV POC At boundary - Install 1000kva substation, customer to provide brick built and base. Lay LV mains and 80 services to domestic dwellings and service to a BNP to serve flats and a landlord supply.
- Customer to provide open trench on private

The indicative price to carry out the work is: **£90,467.76** (excluding VAT)

This price will be subject to VAT at the appropriate rate as set out by HM Customs and Excise.

This figure is indicative and does not represent an offer to carry out the works. If a firm quotation is requested, Fulcrum may provide a price that is different from the amount indicated.

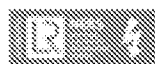
ASSUMPTIONS

- Fulcrum is assumed to excavate, backfill and reinstate all trenches required outside the site boundary
- It is assumed that the customer will excavate, backfill and reinstate all trenches required within the site boundaries.
- The customer would be required to provide suitable provision for all work and clear working access to site at all times
- Termination points assumed
- No meter installation / co-ordination or outlet pipework is included within this indicative price, however we would be happy to provide a quotation for these services. Please contact your Fulcrum Advisor if you would like to learn more
- It is assumed that no easements or permissions are required to carry out any of the proposed works
- It is assumed that any CHP, compressors or boosters etc. to be connected to the proposed infrastructure will be done in accordance with all appropriate legislation/policies etc. to maintain the integrity and security of the existing infrastructure (this may mean upsizing of some or all of the proposed new infrastructure) and no additional design parameters have been included for
- The assumption that there will be sufficient capacity in the existing network
- This indicative price quotation does not take into account, or include for, any specialist works e.g. rail crossings, third party underground plant, design studies, reinforcement, diversions or disconnections etc. that may be required

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Fulcrum is a trading name for Fulcrum Pipelines Limited

Registered in England No. 8066362. Registered office, 2 Europa View, Sheffield Business Park, Sheffield, S9 1XH. Incorporated in England and Wales

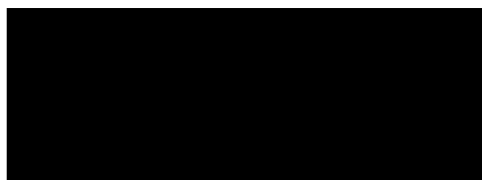


WHAT YOU NEED TO DO NOW

If you would like to proceed and make this indicative quotation a firm quotation, or if you would like us to undertake a detailed design study, please contact me on Karl Foote on 07395796300 who will be pleased to help you when you call.

THANK YOU FOR CHOOSING FULCRUM

Yours sincerely,



Craig Baugh

Director of Sales and Marketing

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Our Ref: UKP10098

Mr. D. Wright
Technical & Development Services (Southern) Ltd
Hillreed House
54 Queen Street
Horsham
West Sussex
RH13 5AD

27 July 2020

Dear Dan,



Budget Estimate – Electrical & Gas Supply – Fitzalan Road, Littlehampton

Further to your enquiry, we have pleasure in providing you with a budget estimate for a new electrical and gas connection to your site at Fitzalan Road, Littlehampton, BN17 6FE

Our estimated cost to carry out the connection works at your site will be: £140,804.00 ex VAT.

Our estimate has been based on a total site load of 968kVA (electric) and 452kW (gas) for the following:

- 112 x residential units (electric only)
- 1 x landlord supplies (electric only)
- 17 x EVC Feeder Pillars (electric only)
- 1 x Apartment Centralized Boiler Supply (gas only)

The above cost includes all “contestable” and “non-contestable” electrical and gas installation works from the PoC/CSEP to the onsite metering positions/unmetered service heads. All clarifications and assumptions are stated below:

- An HV point of connection (PoC) is assumed to be available directly adjacent to site with no requirement for upstream reinforcement.*
- An LP gas CSEP will be made available directly adjacent to site with no requirement for upstream reinforcement.*
- Our estimate includes for 1 x 1000kVA distribution substation.
- All onsite civil/excavation works will be by others.
- All offsite civil/excavation works will be by UKPS.
- Excludes all possible diversions/disconnections.
- Substation enclosure to be provided by others.
- Electric meter cabinets and hockey sticks to be provided by others.
- Apartments will be electrically metered in the service riser.
- Includes free standing meter enclosure for the gas supply. Excludes meter.

*The location of the Point of Connection/CSEP in any other position or requirement for upstream reinforcement can have a significant impact on the connection costs.

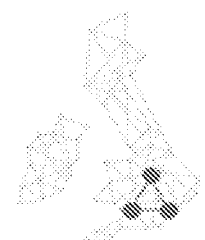
We will be more than happy to produce a formal proposal for these works upon receipt of your request. Please note that orders can only be accepted against a formal proposal.

If you have any questions please do not hesitate to call.

Yours sincerely,



Yu Kai Lim
Graduate Estimating Engineer
UK Power Solutions Ltd.



Appendix 7 – Telecoms Infrastructure

Openreach Network Plans

Maps by email Plant Information Reply



IMPORTANT WARNING

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



openreach

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF
EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbvd

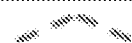
www.openreach.co.uk/cbyd

Accidents happen

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

Reproduced from the Ordnance Survey map by BT
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Controller of Her Majesty's Stationary Office
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KEY TO BT SYMBOLS

KEY TO BT SYMBOLS			Change Of State	+	Hatchings	
	<i>Planned</i>	<i>Live</i>	Split Coupling	×	Built	
PCP			Duct Tee	⋈	Planned	
Pole			Building		Inferred	
Box			Kiosk		Duct	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
Cabinet						

BT Ref : LXZ12375A

Map Reference : (centre) TQ0331502618

Easting/Northing : (centre) 503315,102618

Issued : 26/06/2020 12:37:32

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

Appendix 8 – Media & Pipelines Search

Communication Media & Pipeline Search

Communication Media & Pipeline Search - Status Report



Site Address & Grid Co-Ordinates

Fitzalan Rd, Littlehampton BN17 6FE

Company	Category	Date Requested	Response Date	Affected Yes/No	Other Info.
1. BskyB	C	15/07/2020	15/07/2020	No	
2. BT Deep Level Tunnels	T & P				
City Fibre	FB	15/07/2020	15/07/2020	No	
3. Coal Authority	O				
4. Colt Technology Services	C	15/07/2020	24/07/2020	No	
5. Crossrail	T				
6. Docklands Light Railway	T				
7. Energetics - now Lastmile	C	15/07/2020	15/07/2020	No	
8. Environment Agency	O	15/07/2020	22/07/2020	No	
ESP Pipelines	G/E	26/06/2020	26/06/2020	No	
9. EU Networks Fiber UK Ltd.	C	15/07/2020	16/07/2020	No	
Gamma Telecom	C	26/06/2020	26/06/2020	No	
Fulcrum	C	26/06/2020	26/06/2020	No	
11 Level 3 - Global Crossing	C	15/07/2020	20/07/2020	No	
12. GTC	G/E	22/07/2020	22/07/2020	No	
13. Interoute - Now Gft	C	26/06/2020	26/06/2020	No	
14. Interoute (formerly Vtesse)	C				
15. KCOM	C				
16. KPN	C	15/07/2020	22/07/2020	No	
17. Linesearch	P	26/06/2020	26/06/2020	Gft and UKPN	
18. London Underground Infrastructure Protection - Shallow	T				
19 LUL HV Power Assets - London Underground (High Voltage, Pilot & Fibre Optic Cables)	O				
20. Mastdata (Site Finder)	M	23/07/2020	23/07/2020	No	
21. MBNL (H3G UK Ltd. & EE Ltd. Incl T-Mobile & Orange Sites)	C	15/07/2020	15/07/2020	No	
22. Network Rail	T	15/07/2020	16/07/2020	No	
23. Openreach BT - Superfast Fibre	FB	23/07/2020	FTTC available in the area		
Orange	C				
24. TATA	C	26/06/2020	26/06/2020	No	
25. Telefonera	C	15/07/2020	16/07/2020	No	
26. Verizon Business	C	15/07/2020	15/07/2020	No	
27. Virgin Media	C	30/06/2020	30/06/2020	No	
28. Vodafone/Cable & Wireless	C	24/07/2020	24/07/2020	No	
Way Europe	C	26/06/2020	26/06/2020	No	
Legend: C - Communication CT - Cable TV E - Electric FB - Fibre Broadband G- Gas M - Mobile Masts MU - Multi Utility R - Railway O - Other P - Pipelines R-Railway T & P - Tunnels/Pipelines T - Transport Not Included in this Search					

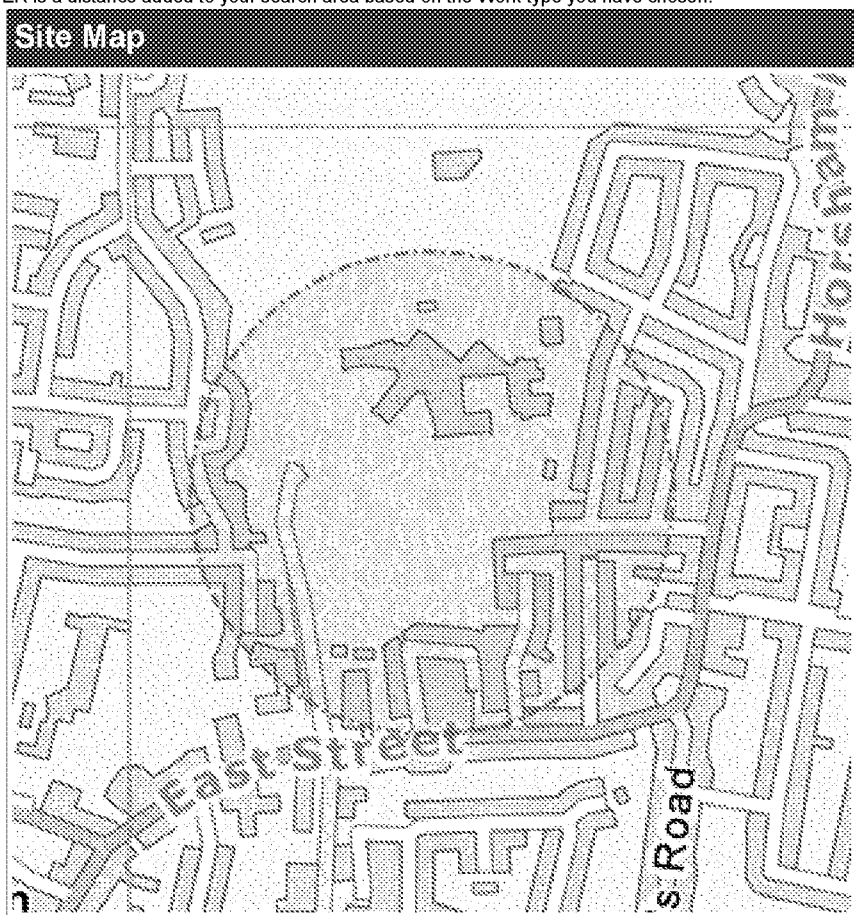
Appendix 9 – Linesearch before U dig

Linesearch Response

Enquirer			
Name	Mr Dan Wright	Phone	
Company	TDS Southern	Mobile	Not Supplied
Address	Hillreed House 54 Queen Street Horsham Horsham West Sussex RH13 5AD		
Email			

Enquiry Details			
Scheme/Reference	BKL.U.05		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	27/06/2020	Work type	Housing
End date	30/06/2020	Site size	505 metres diameter
Searched location	XY= 503315, 102618	Work type buffer*	25 metres
Confirmed location	503316 102621		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works			

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



Asset Owners

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

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

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

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

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

Below are three lists of asset owners:

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

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

For National Grid Gas Distribution Ltd below 2 bar asset information please go to www.beforeyoudig.nationalgrid.com

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

List of affected LSBUD members			
Asset Owner	Phone/Email	Emergency Only	Status
SGN			
UK Power Networks			

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

List of not affected LSBUD members		
AWE Pipeline	Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)
BP Exploration Operating Company Limited	BPA	Carrington Gas Pipeline
CATS Pipeline c/o Wood Group PSN	Cemex	Centrica Storage Ltd
Chrysaor Production (UK) Limited	CLH Pipeline System Ltd	CNG Services Ltd
Concept Solutions People Ltd	ConocoPhillips (UK) Teesside Operator Ltd	Diamond Transmission Corporation
DIO (MOD Abandoned Pipelines)	Drax Group	E.ON UK CHP Limited
EirGrid	Electricity North West Limited	ENI & Himor c/o Penspen Ltd
EnQuest NNS Limited	EP Langage Limited	ESP Utilities Group
ESSAR	Esso Petroleum Company Limited	Fulcrum Pipelines Limited
Gamma	Gateshead Energy Company	Gigaclear Ltd
Gtt	Heathrow Airport LTD	Humbly Grove Energy
IGas Energy	INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)
INOVYN Enterprises Limited	Intergen (Coryton Energy or Spalding Energy)	Jurassic Fibre Ltd
Mainline Pipelines Limited	Manchester Jetline Limited	Manx Cable Company
Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited	Murphy Utility Assets
National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	Northumbrian Water Group	NPower CHP Pipelines
Oikos Storage Limited	Ørsted	Perenco UK Limited (Purbeck Southampton Pipeline)
Petroineos	Phillips 66	Portsmouth Water
Premier Transmission Ltd (SNIP)	Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)
RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals	Scottish and Southern Electricity Networks
Scottish Power Generation	Seabank Power Ltd	SES Water
Shell	Shell NOP	SSE (Peterhead Power Station)
SSE Enterprise Telecoms	SSE Utility Solutions Limited	Tata Communications (c/o JSM Construction Ltd)
Total (Colnbrook & Colwick Pipelines)	Total Finaline Pipelines	Transmission Capital
Uniper UK Ltd	Vattenfall	Veolia ES SELCHP Limited
Veolia ES Sheffield Ltd	Wales and West Utilities	West of Duddon Sands Transmission Ltd

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

Non-LSBUD members (Asset owners not registered on LSBUD)			
Asset Owner	Preferred contact method	Phone	Status
BT			Not Notified
CenturyLink Communications UK Limited			Not Notified
CityFibre			Not Notified
Colt			Not Notified
Energetics Electricity			Not Notified
ENGIE			Not Notified
GTC			Not Notified
KPN (c/-Instalcom)			Not Notified
Mobile Broadband Network Limited			Not Notified
Sky UK Limited			Not Notified
Sota			Not Notified
Southern Water			Not Notified
Utility assets Ltd			Not Notified
Verizon Business			Not Notified
Virgin Media			Not Notified
Vodafone			Not Notified

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The results of this Enquiry are personal to the Enquirer and shall not be shared with or relied upon by any other party. The asset information on which the Enquiry results are based has been provided by LSBUD Members, therefore LineSearchbeforeUdig will provide no guarantee that such information is accurate or reliable nor does it monitor such asset information for accuracy and reliability going forward. There may also be asset owners which do not participate in the enquiry service operated by LineSearchbeforeUdig, including but not exclusively those set out above. Therefore, LineSearchbeforeUdig cannot make any representation or give any guarantee or warranty as to the completeness of the information contained in the enquiry results or accept any responsibility for the accuracy of the mapping images used. LineSearchbeforeUdig and its employees, agents and consultants accept no liability (save that nothing in this Enquiry Confirmation excludes or limits our liability for death or personal injury arising from our negligence, or our fraud or fraudulent misrepresentation, or any other liability that cannot be excluded or limited by English law) arising in respect thereof or in any other way for errors or omissions including responsibility to any person by reason of negligence.

Appendix 10

Adoptable Highways Plan

Existing Services Overlay





- SERVICES KEY**
- Site Boundary
 - Existing Drainage
 - Existing Foul Water Sewer
 - Existing Surface Water Sewer
 - Existing Watermain (record plans)
 - Existing Water Trunk main (record plans)
 - Existing Gas (record plans)
 - Existing Low Voltage (O/H)
 - Abandoned LV Electric
 - Existing Low Voltage (record plans)
 - Existing High Voltage (record plans)
 - Existing 33kV (U/G) (record plans)
 - Abandoned HV Electric
 - Abandoned Electric (any)
 - Existing BT Overhead
 - Existing BT Underground
 - BT inferred route
 - Unknown Service
 - Area of footway/ road widening

IMPORTANT NOTE
This drawing shows the indicative locations of services some of which are traced from service companies records. Therefore this drawing should not be relied upon as an accurate record of the location or extent of services. This drawing does not show the full extent of services, refer to service company records for more information.

P1	29/06/2020	First Issue	DAH	RSB
Rev:	Drawn:	Description:	Chk:	App:

PROVISIONAL DRAWING
NOT TO BE USED FOR CONSTRUCTION PURPOSES



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Client: **BOKLOK HOUSING LTD**



Project: **LAND AT LITTLEHAMPTON ACADEMY**

Title: **EXISTING SERVICES LAYOUT**

Scale:	Size:	Drawn:	Approved:	Date:
1:500	A1	DAH	RSB	June 2020

TDS Reference: **BKL/U/05/XS/01**

Drawing Number:	Rev:
???-TDS-SW-BG-DR-Z-PL-5801	P1