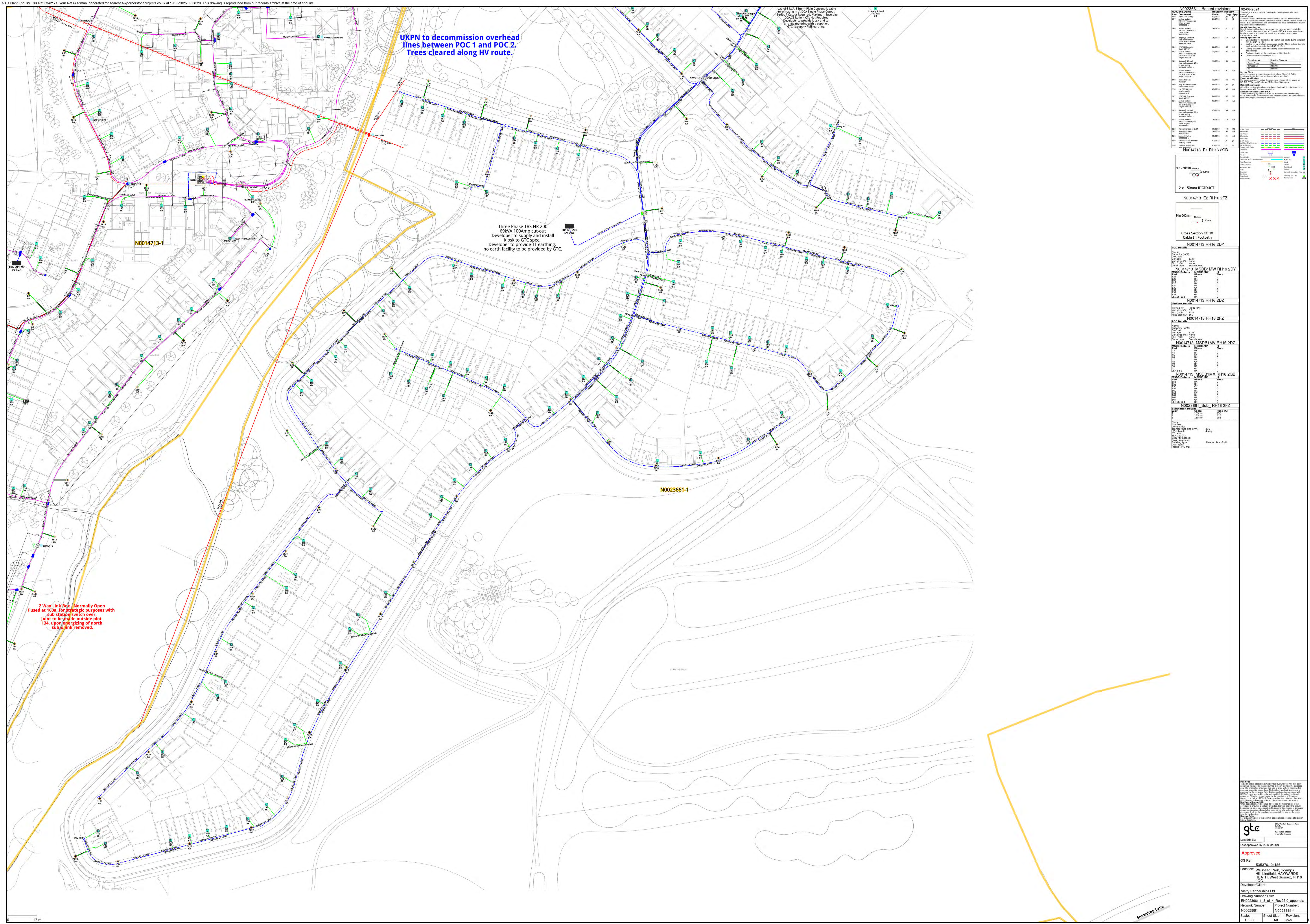
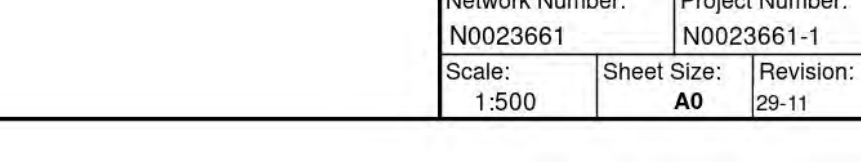






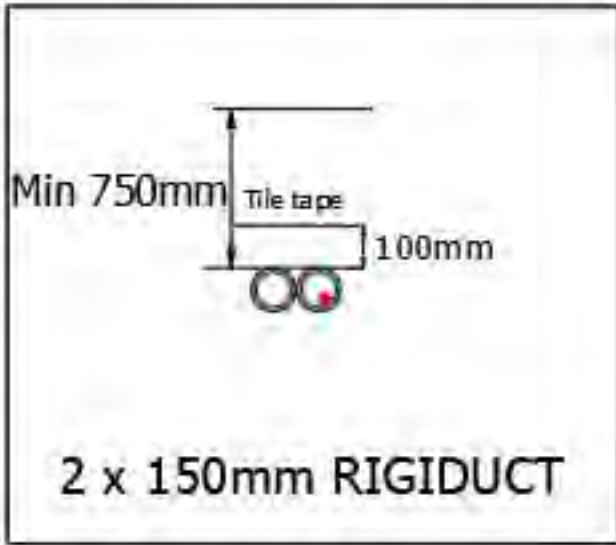
terminating in a 100A Single Phase Cutout - Series 7 Cutout Required, Maximum fuse size 100A, CT Ratio - CTs Not Required. Developer to provide kiosk and to arrange metering with a supplier. GTC to supply PME earthing

**2 Way Link Box - Normally Open
Fused at 160a, for strategic purposes with
sub station switch over.
Joint to be made outside plot
134, upon energizing of north
sub & link removed.**

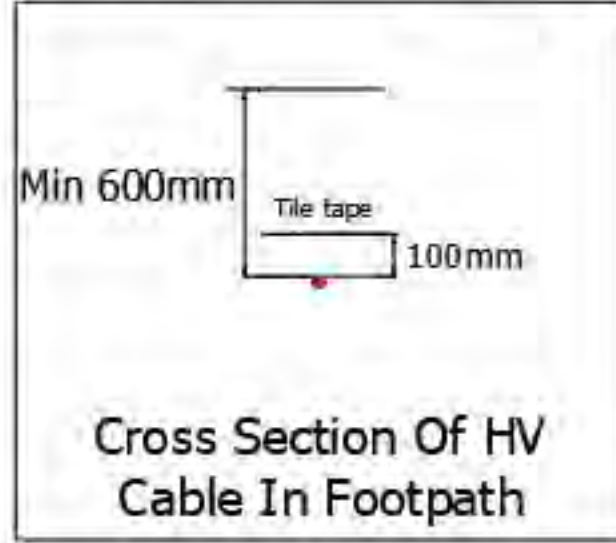


N0023661 - Recent revisions				N0023661_Sub_RH16 2GB		
N0023661/elec		Revision History		Substation Details		
Rev	Comment	Date	Dsg. App.	Way	Cable	Fuse (A)
7.0	1-114, 116-117, 169-170, 191-200 from UKPN Substation + H-optic Cab	28/11/23	JM JM	1	300mm	255
				2	185mm	500
				3	95mm	500
6.6	WR895356 - Mains Live Services Laid %26 Live, 1-4, 2xPE,1xSJ	28/11/23	KB n/a	Name: Number: Ownership: Transformer size (kVA): 800 LV cabinet: 4-way CT ratio: TLF size (A): Security assess: Environ assess: Building type: StandardBrickBuilt Door type:		
6.5	Linkbox J10: 814287	24/11/23	PH PH			
6.4	Energisation of link box to PE at 55 and 36	24/11/23	SC SC			
6.3	Energisation of DNO side of link box	24/11/23	SC SC			
6.2	As-laid update WR891636 near plot 59 on project N0023661-1	16/11/23	KF KF			
6.1	(Legacy) 78m of elec mains added 75m of elec mains removed 7 elec	15/11/23	SA n/a			
6.0	4 x EVCP FPs and Dual Mains at 5-12	14/11/23	DT DT			
5.3	Mains amended at plot 29 on N0023661-1	19/10/23	MC MC			
5.2	1xØ 1xSJ	18/10/23	BD n/a			
5.1	mains laid for first half of site 1xVVO	18/10/23	BD n/a			
5.0	DNS Polygons and 185mm spine cable upsized to 300mm	29/09/23	JD JD			
4.0	(Legacy) 82m of elec mains added 82m of elec mains removed	07/06/23	KC KC			
3.0	(Legacy) 65m of elec mains added 60m of elec mains removed 1 elec ..	06/06/23	MS MS			
2.0	(Legacy) 23m of elec mains added 23m of elec mains removed	29/03/23	JM JM			
1.0	(Legacy) 2920m of elec mains added 247m of elec mains removed 207 ...	29/03/23	JM JM			

N0014713_E1 RH16 2GB



N0014713_E2 RH16 2FZ



N0014713_MSDB1MW RH16 2DY		
MSDB Details	MSDB1MW	J1
Plot	Phase	Floor
125	BK	0
126	BR	0
127	GY	0
128	BK	0
129	BR	0
130	GY	0
131	BK	0
132	BR	0
133	GY	0
LL 125-133	BK	0

N0014713_MSDB1MX RH16 2GB		
MSDB Details	MSDB1MX	J1
Plot	Phase	Floor
156	BK	0
157	BR	0
158	GY	0
159	BK	0
160	BR	0
161	GY	0
162	BK	0
163	BR	0
164	GY	0
LL 156-164	BK	0

N0014713_MSDB1MV RH16 2DZ		
MSDB Details	MSDB1MV	J1
Plot	Phase	Floor
43	BK	0
44	BR	0
45	GY	0
46	BK	0
47	BR	0
48	GY	0
49	BK	0
50	BR	0
51	GY	0
LL 43-51	BK	0

N0023661_Sub_RH16 2FZ		
Substation Details		
Way	Cable	Fuse (A)
1	185mm	255
2	185mm	315
3	185mm	255
Name: Number: Ownership: Transformer size (kVA): 315 LV cabinet: 4-way CT ratio: TLF size (A): Security assess: Environ assess: Building type: StandardBrickBuilt Door type: Intake RMU #1:		

This design is across multiple drawings for details please refer to all drawings.

Electric Notes
All electric mains, services and ducts that shall contain electric cables must be overlaid with electric identifiable marker tape laid 250mm above the cable / duct. Electric mains and services should have a minimum of 250mm separation to any other utility.

Backfill Specification
Directly buried cables should be surrounded by cable sand installed to BS EN 13139 - Aggregate size of 0/2mm to CAT 4. A 75mm layer should be placed on the bottom of the trench and a further 75mm above the top of the cable.

Ducting Specification

- Black ducting for mains shall be 150mm rigid plastic during compliant with the ENA TS 12-24.
- Ducting for LV single phase services shall be 38mm outside diameter black 'polyduct' compliant with ENA TS 12-24
- Ducting should be used when taking cables across roads and into buildings
- Ducts are shown on the drawing as a thick black line
- Only one cable is allowed per duct.

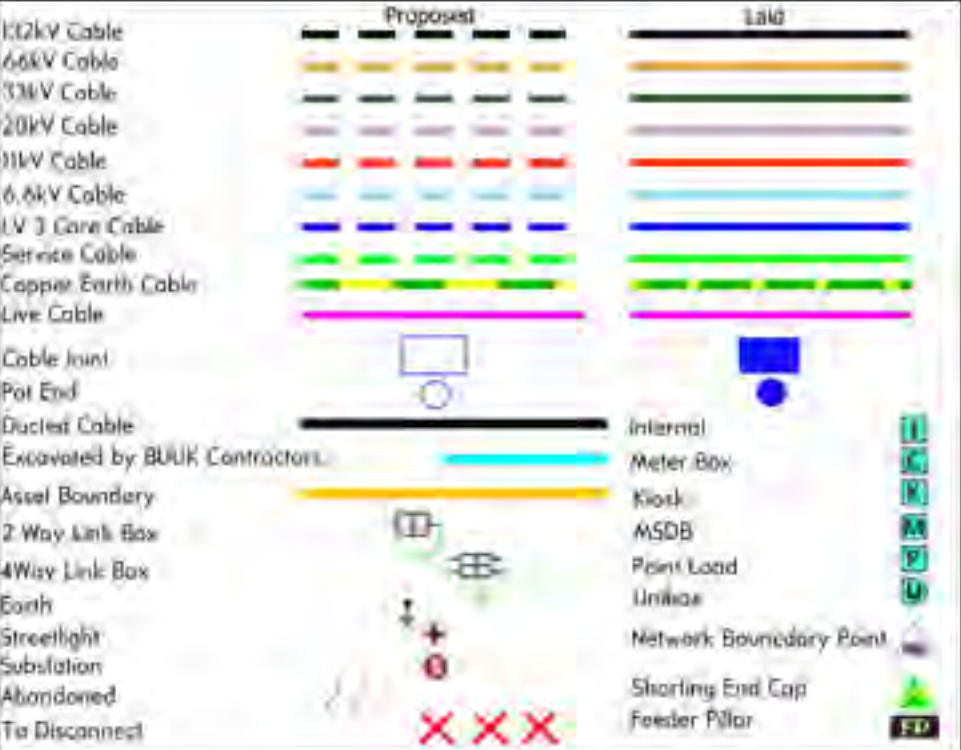
Electric cable	Outside Diameter
Single Phase	38mm
3 Phase LV	150mm
HV	150mm

Service Sizes
All service cables to properties are single phase 35mm² Al Cable terminated in 100 Amp cut out (except where specified).

Phase Identification
For colour convention mains, the connected phases will be shown as BR, BK, GY Where BR = Brown / BK = black / GY = grey.

Material Specification
All cables, equipment and construction method on this network are to be in accordance with G81 documentation.

Excavation Carried Out by BUUK
The trenches highlighted in blue will be excavated and reinstated by BUUK contractors, the excavation and reinstatement of the other trenches will be the responsibility of the customer.



Plan Notes
This plan shows apparatus owned by the BUUK Group. Any third party apparatus indicated on these drawings is shown for indicative purposes only. The information shown on this plan is given without warranty, the accuracy cannot be guaranteed. No liability of any kind whatsoever is accepted by the company. Safe digging practices, in accordance with H51547, must be used to verify and establish the actual position of apparatus. This plan is reproduced by the permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2007. All rights reserved Ordnance Survey Licence number 0100021063.

Developers Responsibility
When apparatus have been laid it becomes the responsibility of the developer to ensure it is suitably protected, therefore backfilling should be carried out as soon as possible. Replacement and repair of damaged apparatus, including administrative costs will be fully recharged to the developer. It will be the developer's responsibility to recover the costs from the third parties.

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

		GTC, Woolpit Business Park, Suffolk, IP30 9UP Tel: 01359 240363 www.gtc-uk.co.uk	
Last Edit By:			
Last Approved By:		JACK MASON 28112023	
Approved			
OS Ref: 535379.124191			
Location: Walstead Park, Scamps Hill, Lindfield, HAYWARDS HEATH, West Sussex, RH16 2QQ			
Developer/Client: Vistry Partnerships Ltd			
Drawing Number/Title: EN0023661-1_3_of_4_appendix			
Network Number: N0023661		Project Number: N0023661-1	
Scale: 1:1500	Sheet Size: A3	Revision: 7.0	

Bin stores currently shown
be moved to back garden

Last Edit By:	
Last Approved By JACK MASON	
Approved	
OS Ref:	
535293.124482	
Location: Walstead Park, Scamps Hill, Lindfield, HAYWARDS HEATH, West Sussex, RH11 2QQ	
Developer/Client:	
Vistry Partnerships Ltd	
Drawing Number/Title:	
EN0023661-1 4 of 4 Contestable LV	
Network Number:	Project Number:
N0023661	N0023661-1
Scale:	Sheet Size: Revision:
1:500	A0 7:0

N0023661 - Recent revisions				
N0023661/elec		Revision History		
Rev	Comment	Date	Dsg.	App.
7.0	1-114, 116-117, 169-170, 191-200 from UKPN Substation + H-optic Cab	28/11/23	JM	JM
6.6	WR895356 - Mains Live, Services Laid %26 Live, 1-4, 2xPE,1xSJ	28/11/23	KB	n/a
6.5	Linkbox JPIO: 814287	24/11/23	PH	PH
6.4	Energisation of link box to PE at S5 and 36	24/11/23	SC	SC
6.3	Energisation of DNO side of link box	24/11/23	SC	SC
6.2	As-laid update WR891636 near plot 59 on project N0023661-1	16/11/23	KF	KF
6.1	(Legacy) 78m of elec mains added 75m of elec mains removed 7 elec	15/11/23	SA	n/a
6.0	4 x EVCP FPs and Dual Mains at 5-12	14/11/23	DT	DT
5.3	Mains amended at plot 29 on R0023661-1	19/10/23	MC	MC
5.2	1xØ 1x5j	18/10/23	BD	n/a
5.1	main laid for first half of site 1xW/O	18/10/23	BD	n/a
5.0	DNS Polygons and 185mm spine cable upsized to 300mm	29/09/23	JD	JD
4.0	(Legacy) 82m of elec mains added 82m of elec mains removed	07/06/23	KC	KC
3.0	(Legacy) 65m of elec mains added 60m of elec mains removed 1 elec ...	06/06/23	MS	MS
2.0	(Legacy) 23m of elec mains added 23m of elec mains removed	29/03/23	JM	JM
1.0	(Legacy) 2920m of elec mains added 247m of elec mains removed 207 ...	29/03/23	JM	JM

N0023661_E1 RH16 2QQ

UKPN Cross Section Of Single LV Cable Laid Direct In Footpath

N0014713_E1 RH16 2GB

N0023661_E2 RH16 2QQ

ENC Cross Section Of Single LV Cable laid Direct In Footpath

N0014713_E2 RH16 2FZ

N0019549_E10 RH16 2RY

UKPN Cross Section Of Dual HV Cable & Earth Ducted In Footpath

N0019549_E11 RH16 2RY

UKPN Cross Section Of Dual HV Cable Ducted In Carriageway

N0014713 RH16 2DY

POC Details

Name:
Capacity (kVA):
DNO ref:
Voltage: 11kV
Volt drop (%): None
ELI: (mΩ) None
Conn type: Branch joint

N0023661 LV POC RH16 2QQ

POC Details

Name: LV POC
Capacity (kVA)80.4
DNO ref: 8200059468
Voltage: LV
Volt drop (%): 0.02
ELI: (mΩ) 29.0
Conn type: Straight joint

N0023661_1 RH16 2QQ

POC Details

Name: 1
Capacity (kVA):
DNO ref:
Voltage: LV
Volt drop (%): 0.1
ELI: (mΩ) 1.0
Conn type: Straight joint

N0023661_Sub_Saffron Close IDNO RH16 2RY

Substation Details

Way	Cable	Fuse (A)
1	185mm	500
2	185mm	500
3	185mm	315
4	185mm	315

Name: Saffron Close IDNO
Number:
Ownership: DNO_ENC
Transformer size (kVA): 500
LV cabinet: 4-way
CT ratio: 50/5
TLF size (A): 10A
Security assess: Low
Environ assess: StandardBrickBuilt
Building type: Steel or GRP
Door type:
Surface type: Soil
RMU: Schneider RN2c T1/21
Intake RMU #1:

N0023661_Sub_RH16 2GB

Substation Details

Way	Cable	Fuse (A)
1	300mm	255
2	185mm	500
3	95mm	500

Name:
Number:
Ownership:
Transformer size (kVA): 800
LV cabinet: 4-way
CT ratio:
TLF size (A):
Security assess:
Environ assess:
Building type: StandardBrickBuilt
Door type:

N0023661_Sub_RH16 2FZ

Substation Details

Way	Cable	Fuse (A)
1	185mm	255
2	185mm	315
3	185mm	255

Name:
Number:
Ownership:
Transformer size (kVA): 315
LV cabinet: 4-way
CT ratio:
TLF size (A):
Security assess:
Environ assess:
Building type: StandardBrickBuilt
Door type:
Intake RMU #1:

N0023661 UKPN Linkbox RH16 2QQ

Linkbox Details

Owned by: UKPN SPN
Volt drop (%): 0.02
ELI: (mΩ) 38.8
Fuse size (A): 200

N0014713 RH16 2GB

POC Details

Name:
Capacity (kVA):
DNO ref:
Voltage: 11kV
Volt drop (%): None
ELI: (mΩ) None
Conn type: Branch joint

N0014713 RH16 2FZ

POC Details

Name:
Capacity (kVA):
DNO ref:
Voltage: 11kV
Volt drop (%): None
ELI: (mΩ) None
Conn type: Branch joint

This design is across multiple drawings for details please refer to all drawings.

Electric Notes
All electric mains, services and ducts that shall contain electric cables must be overlaid with electric identifiable marker tape laid 250mm above the cable / duct. Electric mains and services should have a minimum of 250mm separation to any other utility.

Backfill Specification
Directly buried cables should be surrounded by cable sand installed to BS EN 13139 - Aggregate size of 0/2mm to CAT 4. A 75mm layer should be placed on the bottom of the trench and a further 75mm above the top of the cable.

Ducting Specification

- Black ducting for mains shall be 150mm rigid plastic during compliant with the ENA TS 12-24
- Ducting for LV single phase services shall be 38mm outside diameter black polyduct compliant with ENA TS 12-24
- Ducting should be used when taking cables across roads and into buildings
- Ducts are shown on the drawing as a thick black line
- Only one cable is allowed per duct.

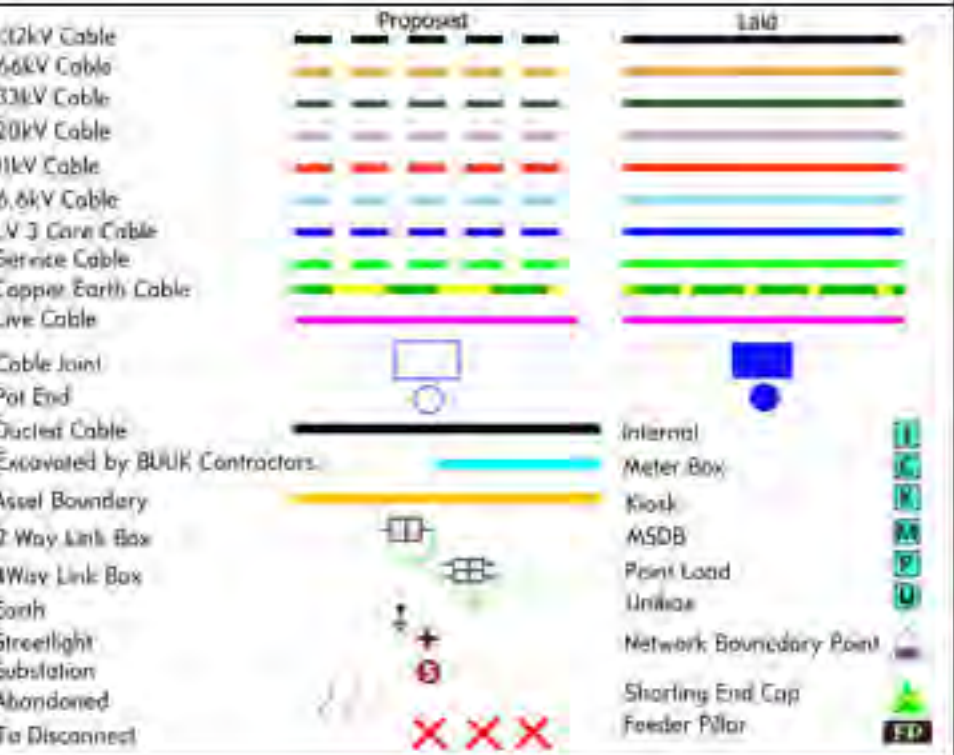
Electric cable	Outside Diameter
Single Phase	38mm
3 Phase LV	150mm
HV	150mm

Service Sites
All service cables to properties are single phase 35mm² Al Cable terminated in 100 Amp cut out (except where specified).

Phase Identification
For colour convention mains, the connected phases will be shown as BR, BK, GY Where BR = Brown / BK = black / GY = grey.

Material Specification
All cables, equipment and construction method on this network are to be in accordance with G81 documentation..

Excavation Carried Out by BUUK
The trenches highlighted in blue will be excavated and reinstated by BUUK contractors, the excavation and reinstatement of the other trenches will be the responsibility of the customer.



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

GTC, Woolpit Business Park,
Suffolk,
IP30 9UP

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

Last Edit By:

Last Approved By: JACK MASON 28112023

Approved

OS Ref: 535293,124482

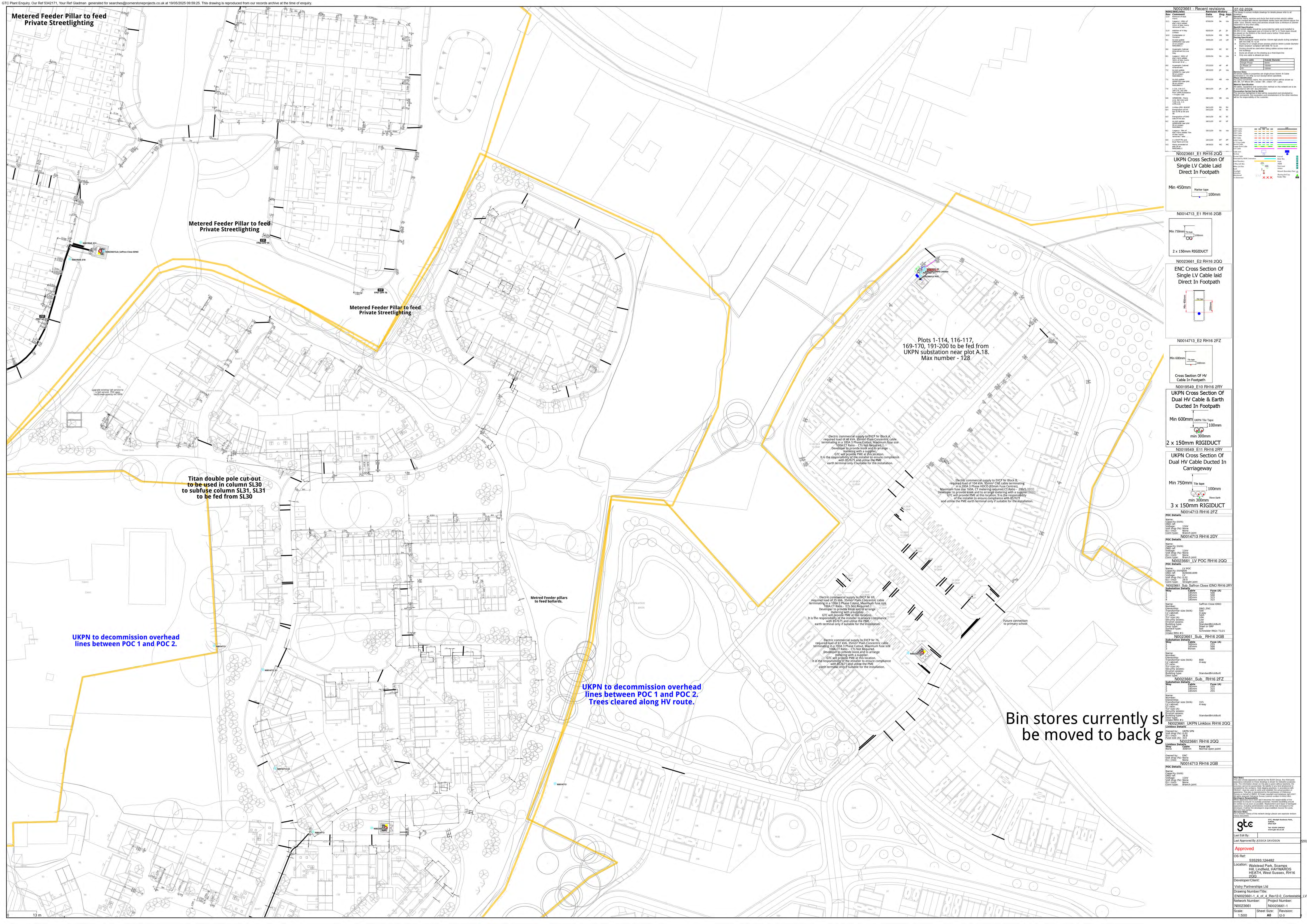
Location: Walstead Park, Scamps Hill, Lindfield, HAYWARDS HEATH, West Sussex, RH16 2QQ

Developer/Client: Vistry Partnerships Ltd

Drawing Number/Title: EN0023661-1_4_of_4 Contestable LV_appendix

Network Number: N0023661	Project Number: N0023661-1	
Scale: 1:1500	Sheet Size: A3	Revision: 7.0

Bin stores currently should be moved to back g

[illegible]

UKPN to decommission overhead lines between POC 1 and POC 2. Trees cleared along HV route.

Bin stores currently sh
be moved to back g

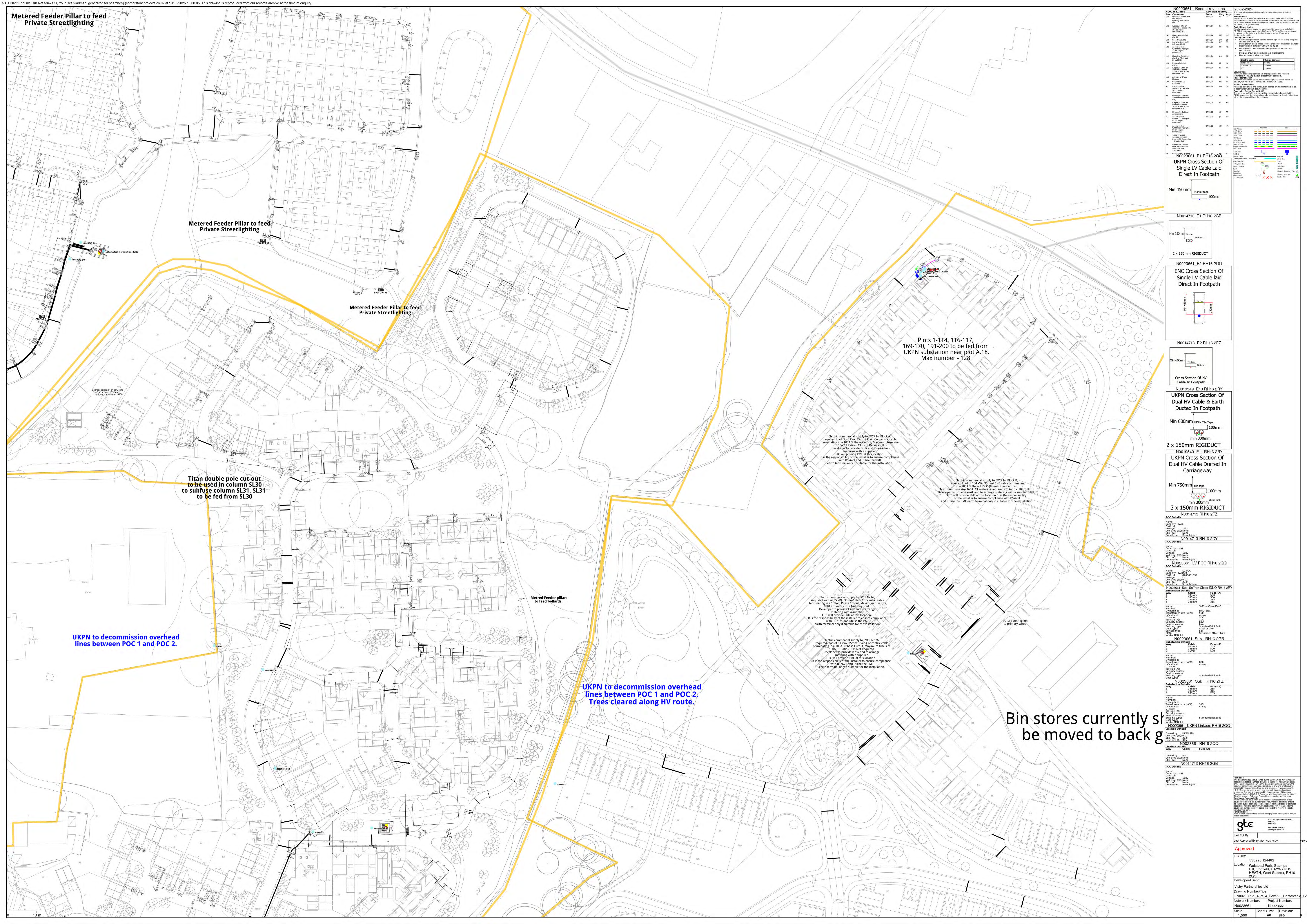
Electric commercial supply to EVCP Nr Block A.
required load of 46 kVA. 35mm² Plain Concentric cable
terminating in a 100A 3 Phase Cutout; Maximum fuse size is
100A CT Ratio - CTs Not Required.)
Developer to provide kiosk and to arrange
metering with a supplier.
GTC will provide PME at this location.
It is the responsibility of the installer to ensure compliance
with BS7571 and utilise the PME
earth terminal only if suitable for the installation.

required of 104 kVA, 95mm² CNE cable terminating in a 200A 3 phase HDCO (83mm Fuse Centre). Maximum fuse size 160A. CT metering required. CT Ratio - 200/5.0000. Developer to provide lock and to arrange metering with a supplier. GTC will provide PME at this location. It is the responsibility of the installer to ensure compliance with BS7671 and utilise the PME earth terminal only if suitable for the installation.

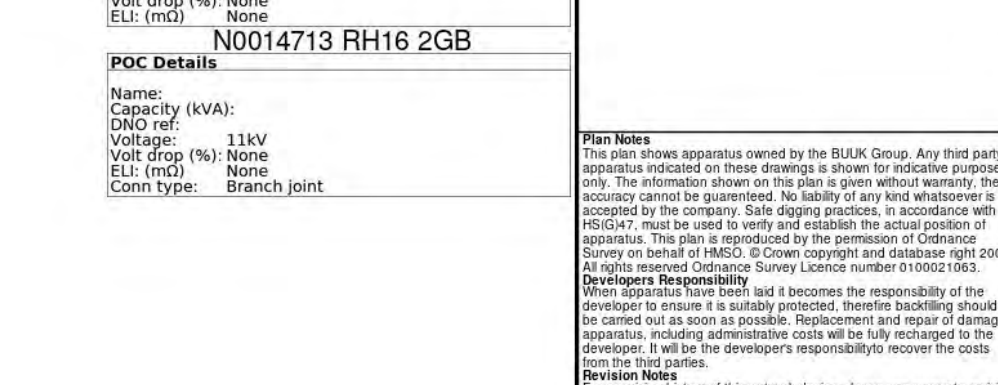
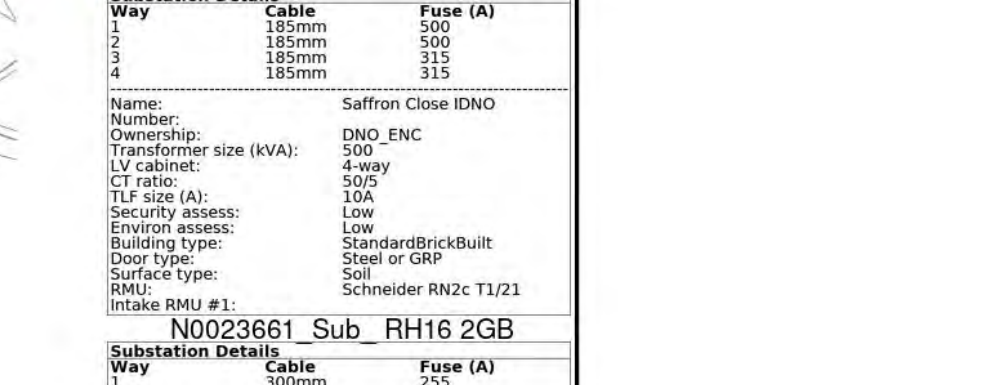
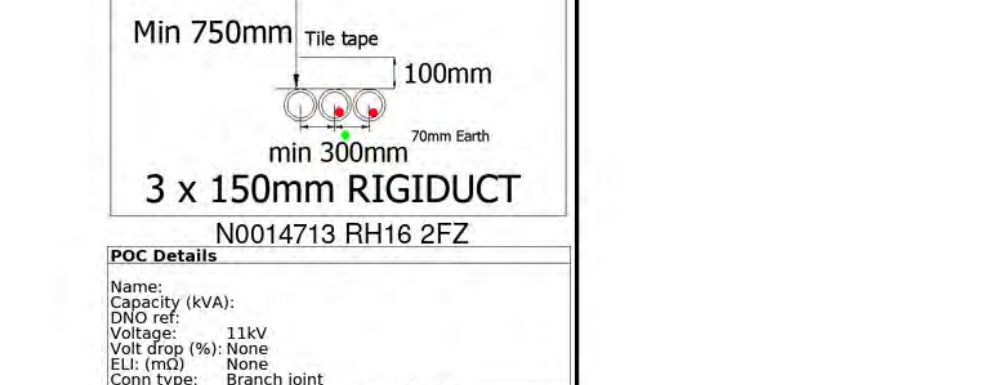
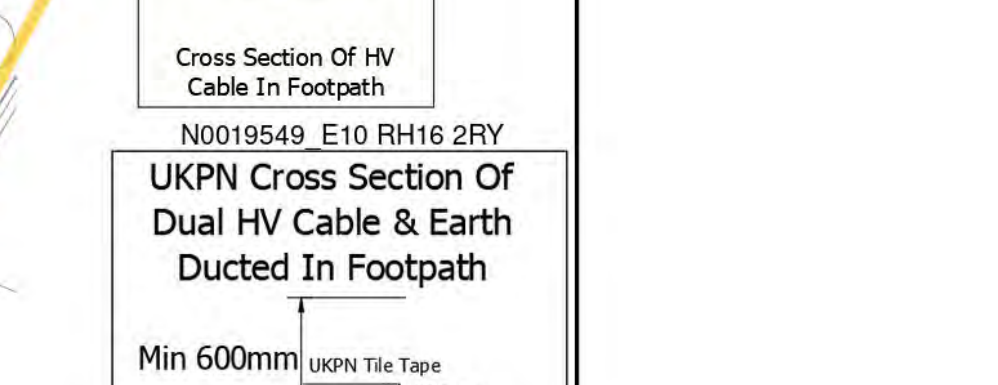
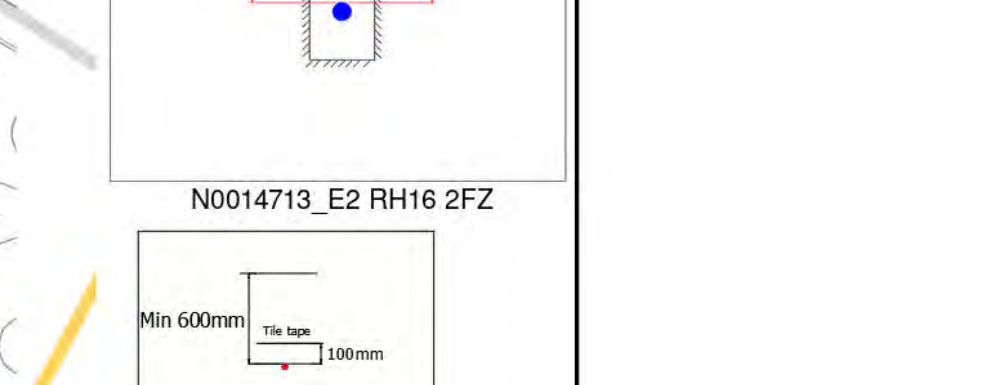
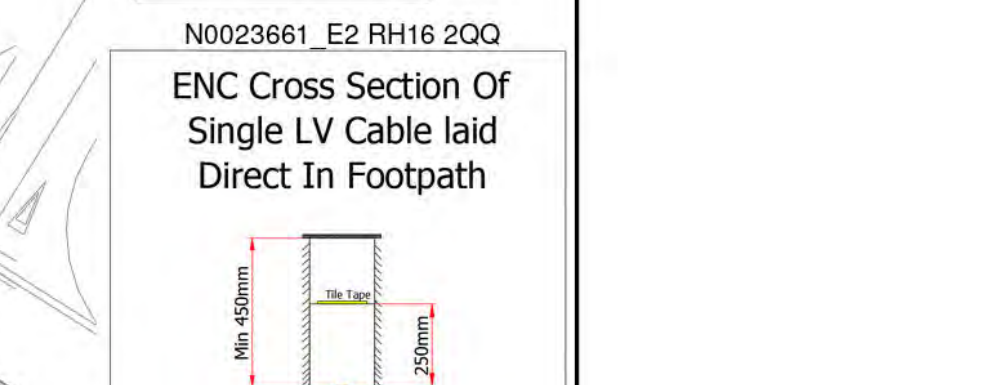
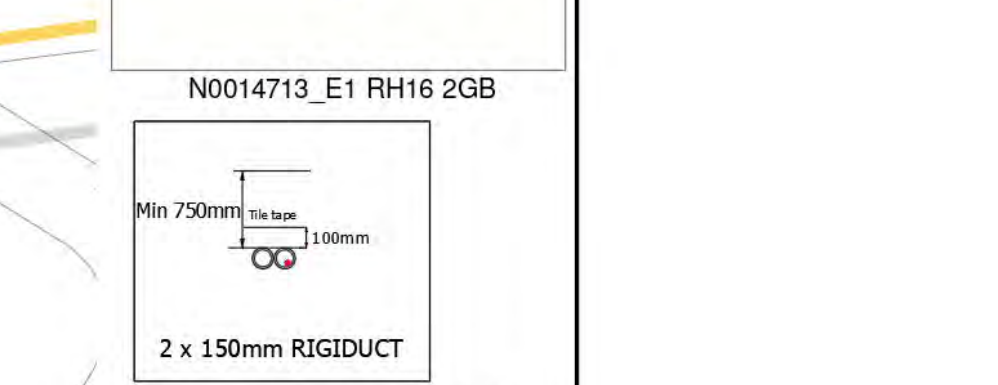
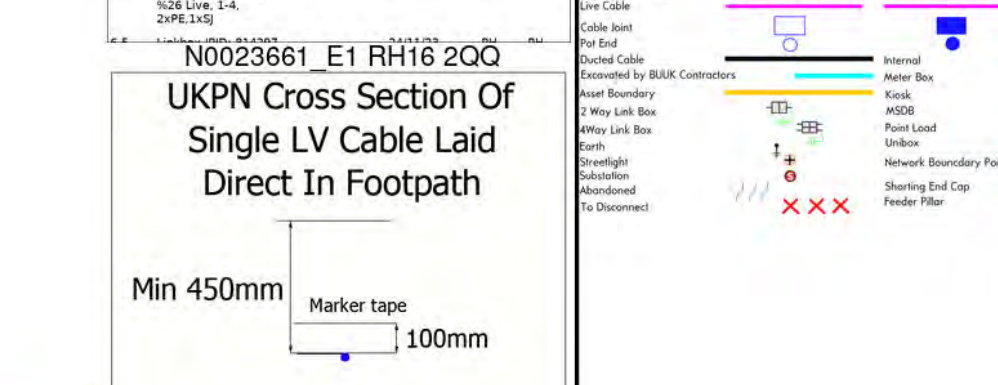
Electric commercial supply to EVCP Nr 69,
required load of 35 kVA, 35mm² Plain Concentric cable
terminating in a 100A 3 Phase Contact, Maximum fuse size
100A CT Ratio, CTs Not Required.
Developer to provide back and forth arrangement
metering with a supplier.
GTC will provide PME at this location.
It is the responsibility of the installer to ensure compliance
with BS7671 and utilise the PME
earth terminal only if suitable for the installation.

Electric commercial supply to EVCP Nr 76,
required load of 61 kVA, 35mm² Plain Concentric cable
terminating in a 100A 3 Phase Outlet, Maximum fuse size
100A CT Ratio - GTC is Required.
Developer to provide hook and to arrange
metering with a supplier.
GTC will provide PME at this location.
It is the responsibility of the installer to ensure compliance
with BS7671 and utilise the PME
earth terminal only if suitable for the installation.

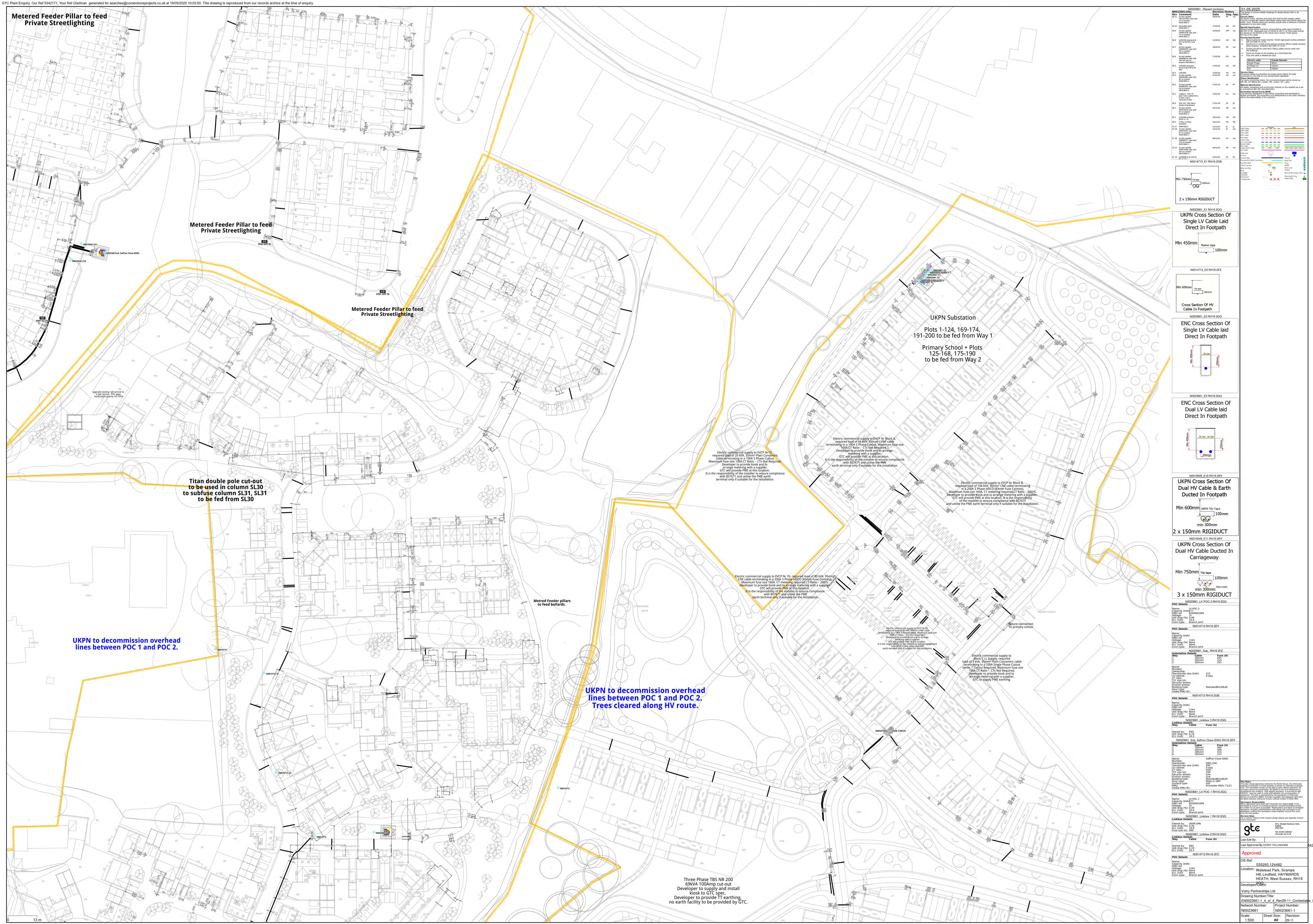
[illegible]



NO023661 - Recent revisions	
Rev	Description
1.0	Issue for tender
1.1	Revised design
1.2	Revised design
1.3	Revised design
1.4	Revised design
1.5	Revised design
1.6	Revised design
1.7	Revised design
1.8	Revised design
1.9	Revised design
2.0	Revised design
2.1	Revised design
2.2	Revised design
2.3	Revised design
2.4	Revised design
2.5	Revised design
2.6	Revised design
2.7	Revised design
2.8	Revised design
2.9	Revised design
3.0	Revised design
3.1	Revised design
3.2	Revised design
3.3	Revised design
3.4	Revised design
3.5	Revised design
3.6	Revised design
3.7	Revised design
3.8	Revised design
3.9	Revised design
4.0	Revised design
4.1	Revised design
4.2	Revised design
4.3	Revised design
4.4	Revised design
4.5	Revised design
4.6	Revised design
4.7	Revised design
4.8	Revised design
4.9	Revised design
5.0	Revised design
5.1	Revised design
5.2	Revised design
5.3	Revised design
5.4	Revised design
5.5	Revised design
5.6	Revised design
5.7	Revised design
5.8	Revised design
5.9	Revised design
6.0	Revised design
6.1	Revised design
6.2	Revised design
6.3	Revised design
6.4	Revised design
6.5	Revised design
6.6	Revised design
6.7	Revised design
6.8	Revised design
6.9	Revised design
7.0	Revised design
7.1	Revised design
7.2	Revised design
7.3	Revised design
7.4	Revised design
7.5	Revised design
7.6	Revised design
7.7	Revised design
7.8	Revised design
7.9	Revised design
8.0	Revised design
8.1	Revised design
8.2	Revised design
8.3	Revised design
8.4	Revised design
8.5	Revised design
8.6	Revised design
8.7	Revised design
8.8	Revised design
8.9	Revised design
9.0	Revised design
9.1	Revised design
9.2	Revised design
9.3	Revised design
9.4	Revised design
9.5	Revised design
9.6	Revised design
9.7	Revised design
9.8	Revised design
9.9	Revised design
10.0	Revised design



Three Phase TBS NR 200
69kVA 100Amp cut-out
Developer to supply and install
kiosk to GTC spec.
Developer to provide TT earthing,
no earth facility to be provided by GTC.

[illegible]