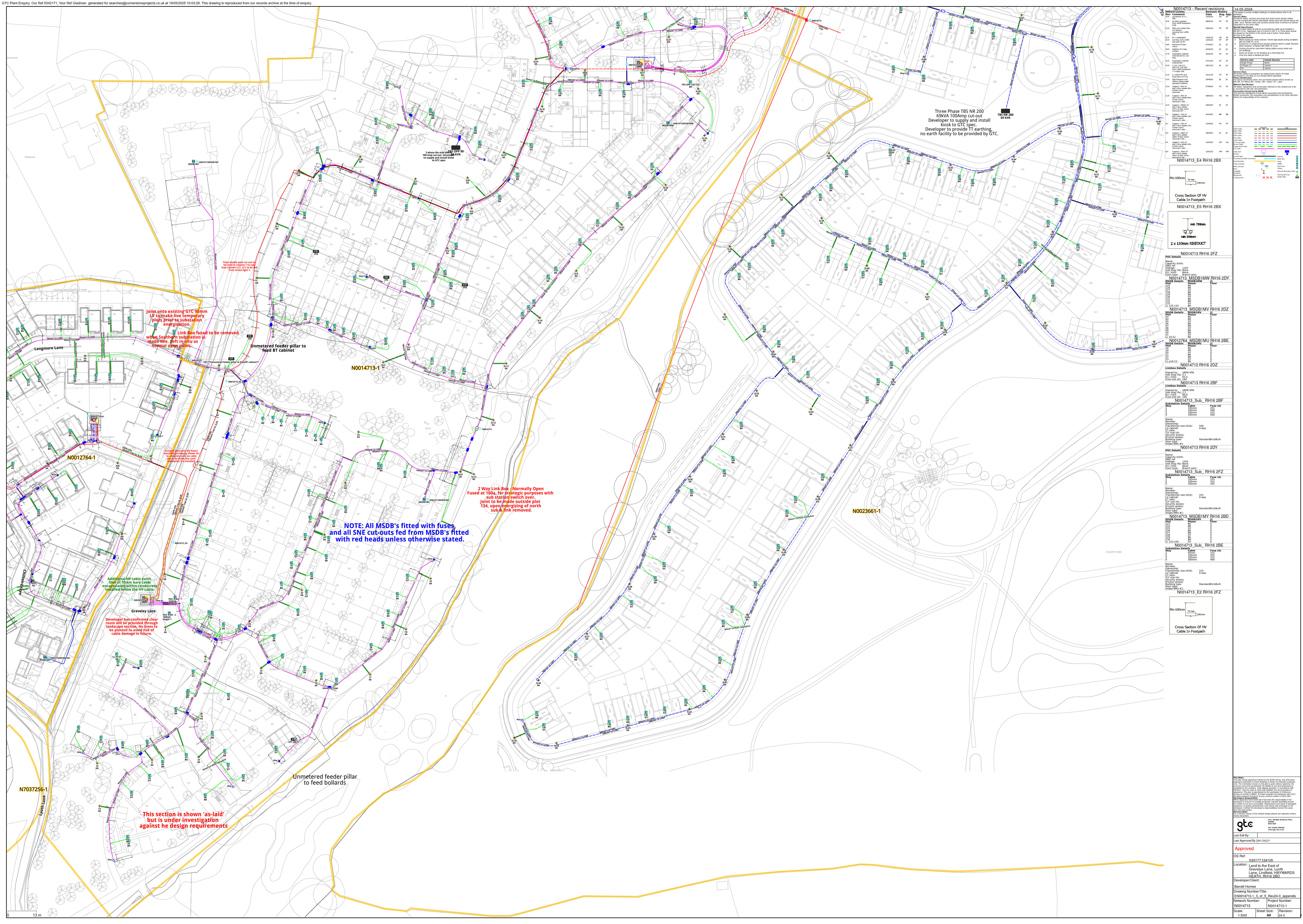
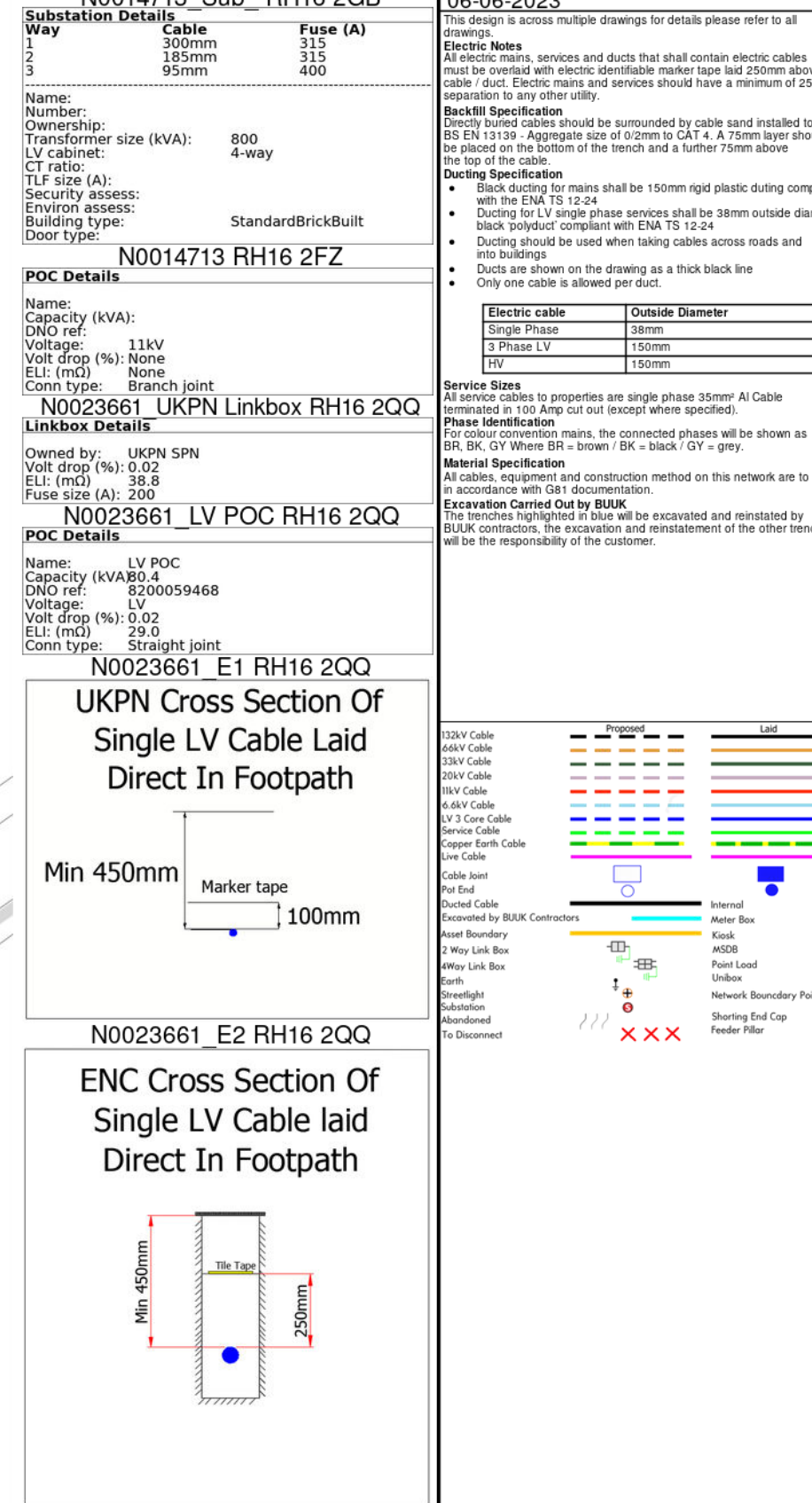
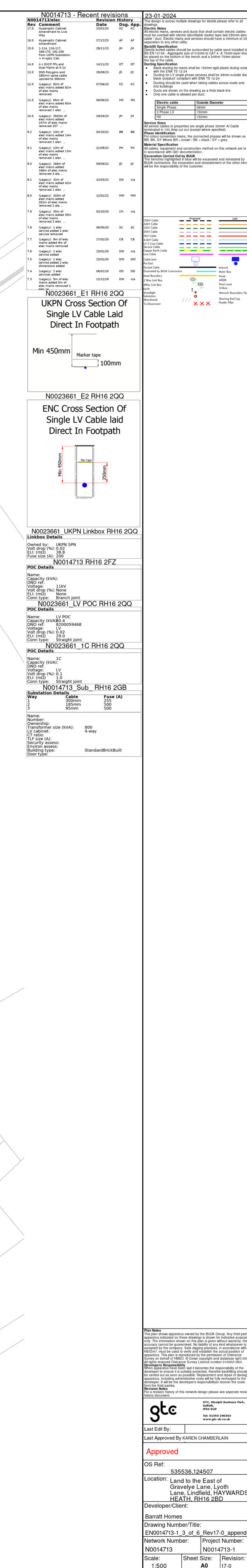
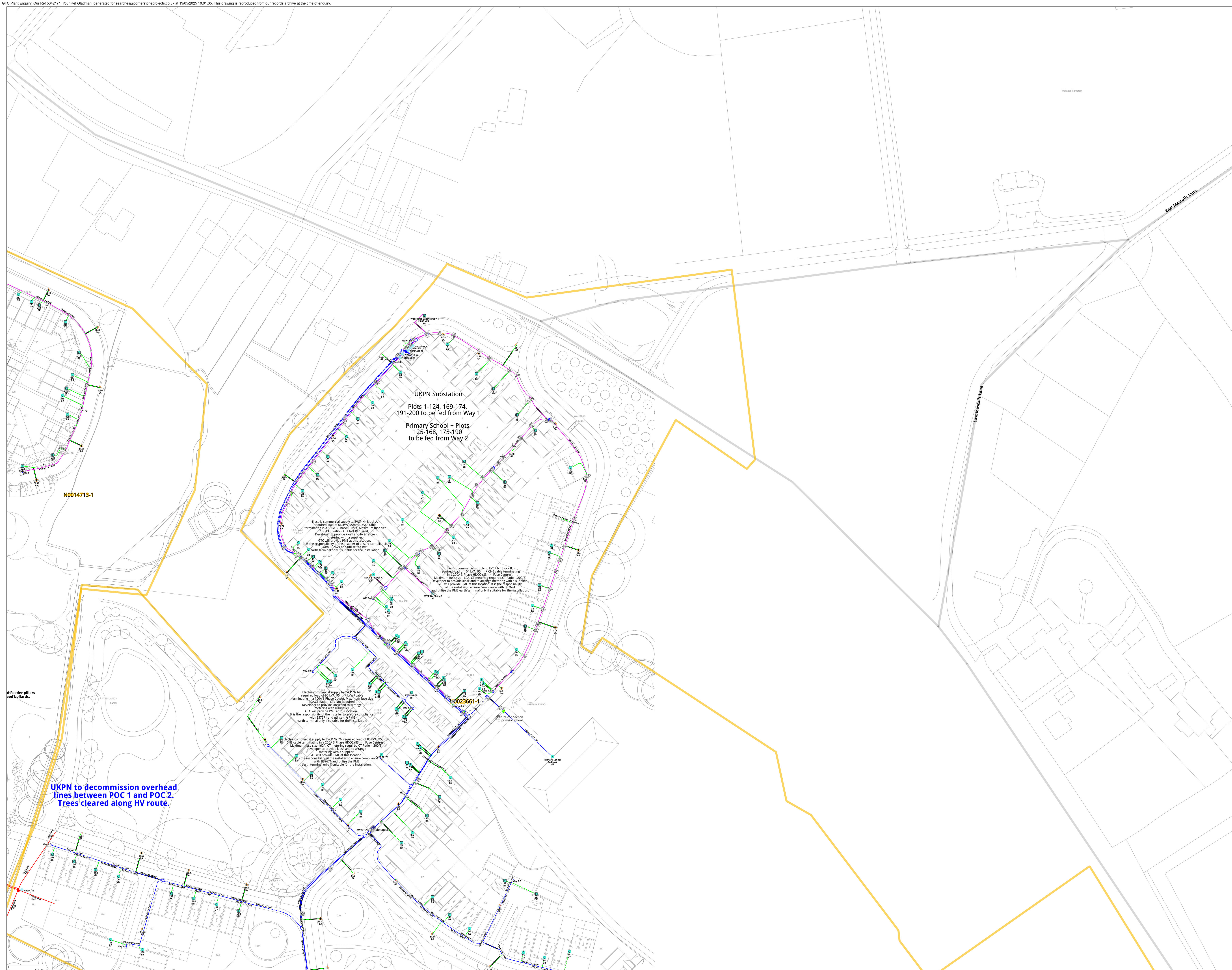


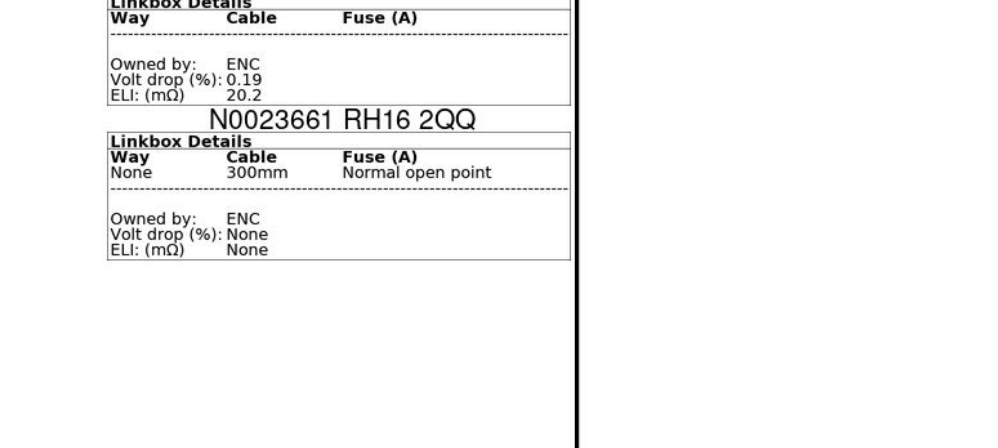
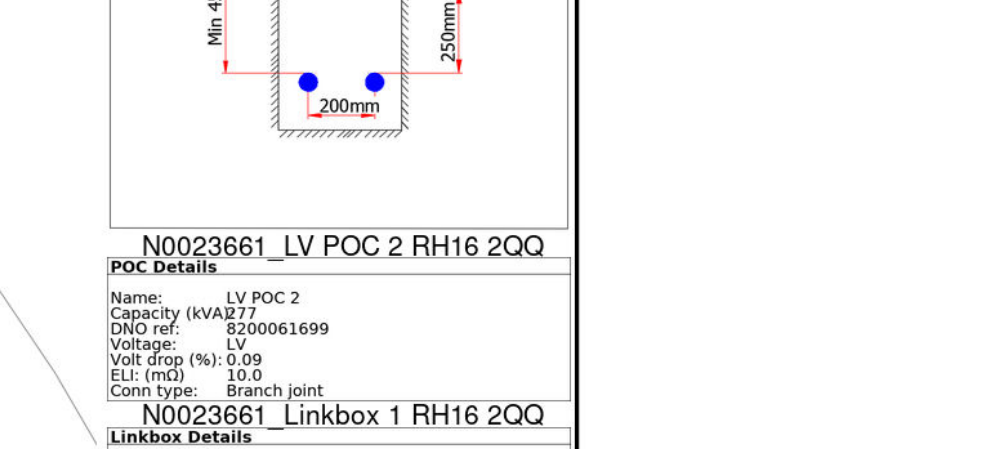
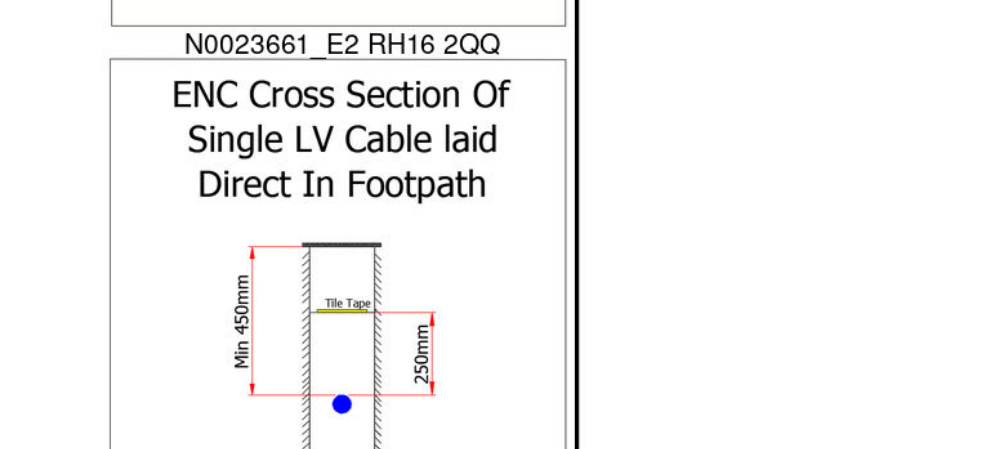
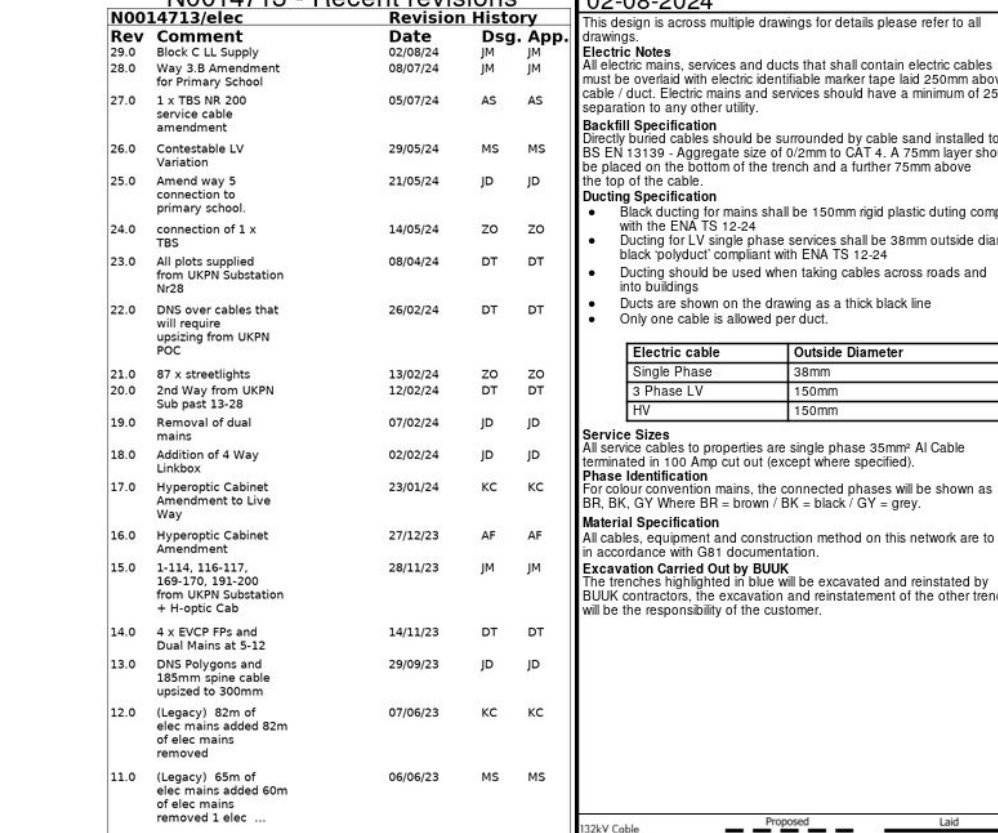


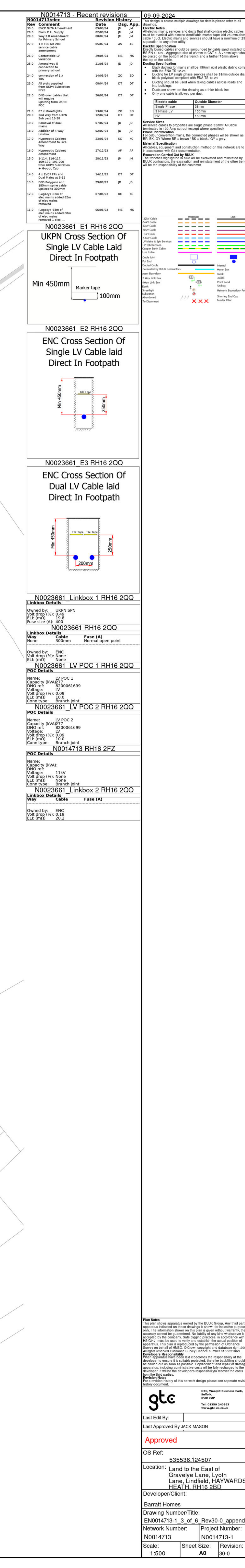


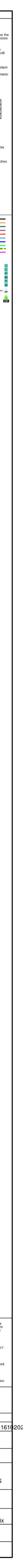
Bin stores currently shown in frontages to be moved to back gardens across site.

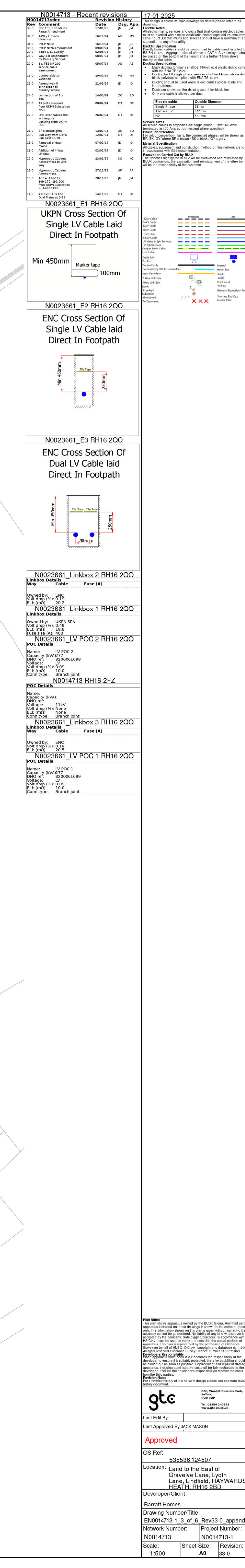




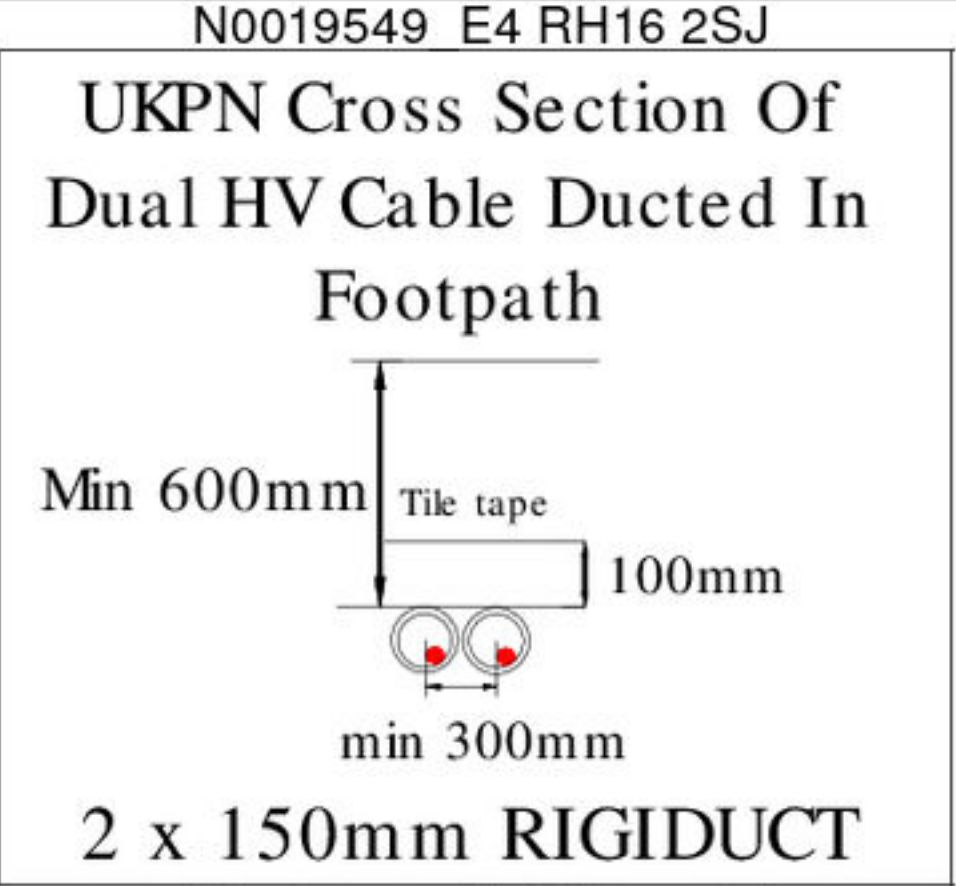
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N0014713 - Recent revisions			
N0014713/elec		Revision History	
Rev	Comment	Date	Dsg. App.
23.0	All plots supplied from UKPN Substation Nr28	08/04/24	DT DT
22.0	DNS over cables that will require upsizing from UKPN POC	26/02/24	DT DT
21.0	87 x streetlights	13/02/24	ZO ZO
20.0	2nd Way from UKPN Sub past 13-28	12/02/24	DT DT
19.0	Removal of dual mains	07/02/24	JD JD
18.0	Addition of 4 Way Linkbox	02/02/24	JD JD
17.0	Hyperoptic Cabinet Amendment to Live Way	23/01/24	KC KC
16.0	Hyperoptic Cabinet Amendment	27/12/23	AF AF
15.0	1-114, 116-117, 169-170, 191-200 from UKPN Substation + H-optic Cab	28/11/23	JM JM
14.0	4 x EVCP FPs and Dual Mains at 5-12	14/11/23	DT DT
13.0	DNS Polygons and 185mm spine cable upsized to 300mm	29/09/23	JD JD
12.0	(Legacy) 82m of elec mains added 82m of elec mains removed	07/06/23	KC KC
11.0	(Legacy) 65m of elec mains added 60m of elec mains removed 1 elec ...	06/06/23	MS MS
10.0	(Legacy) 2920m of elec mains added 247m of elec mains removed 207 ...	29/03/23	JM JM
9.2	(Legacy) 14m of elec mains added 14m of elec mains removed 1 elec ...	04/10/22	BB BB
9.1	(Legacy) 13m of elec mains added 13m of elec mains removed 1 elec ...	21/09/22	PH PH
9.0	(Legacy) 166m of elec mains added 166m of elec mains removed 3 ele ...	09/09/22	JD JD
8.1	(Legacy) 42m of elec mains added 42m of elec mains removed 1 elec ...	22/03/22	DG n/a
8.0	(Legacy) 203m of elec mains added 201m of elec mains removed 2 ele ...	12/01/22	MM MM
7.9	(Legacy) 35m of elec mains added 35m of elec mains removed 2 elec ...	02/10/20	CH n/a



N0014713 RH16 2DY

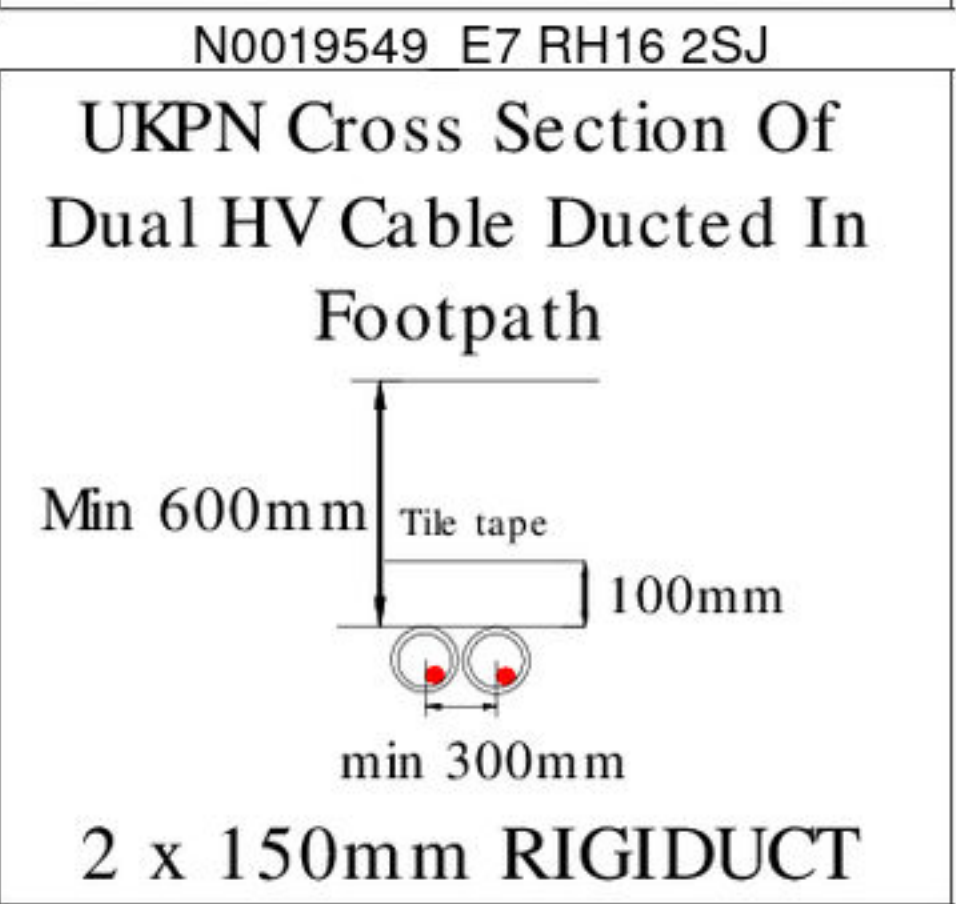
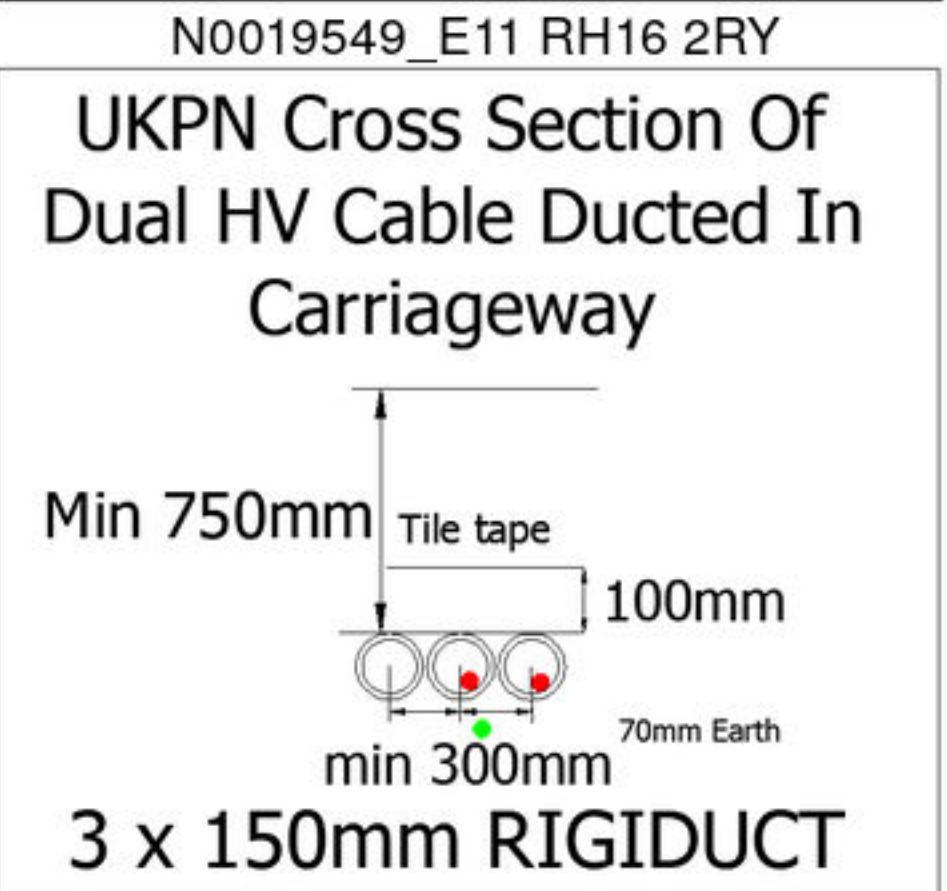
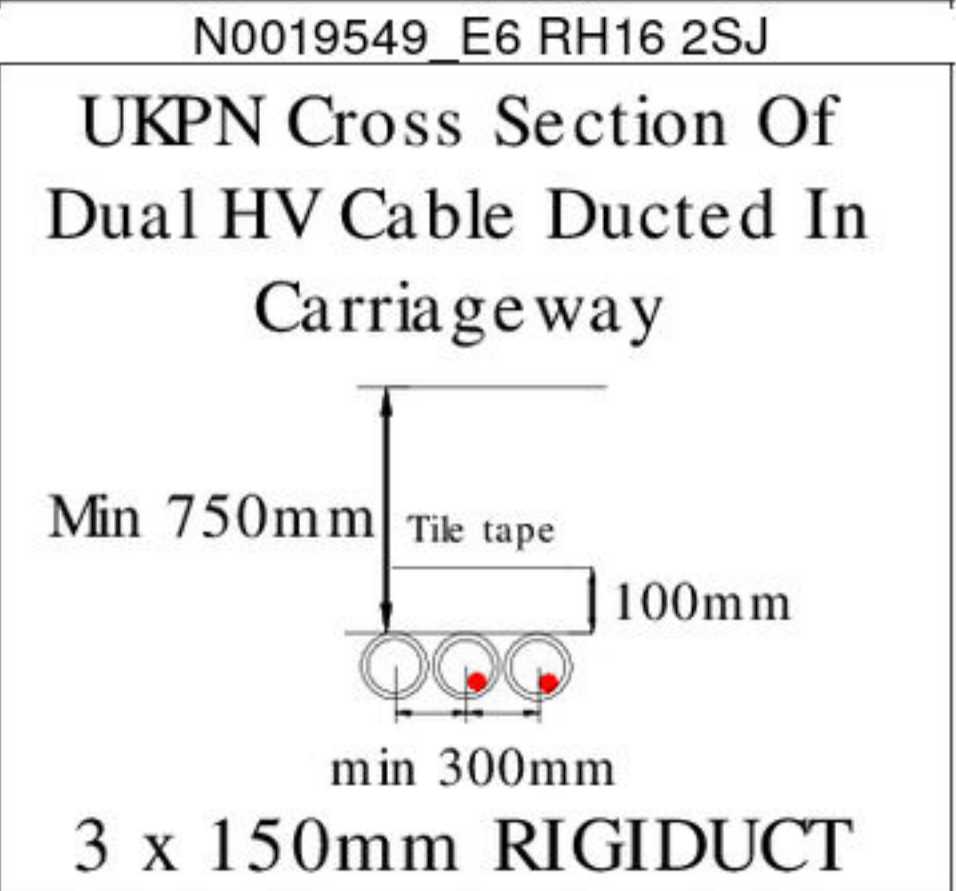
POC Details

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

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:



N0014713 Sub_Saffron Close IDNO RH16 2RY

POC Details

Name: POC
Capacity (kVA): 216
DNO ref: 8200022699
Voltage: 11kV
Volt drop (%): None
ELI: (mΩ) None
Conn type: Branch joint

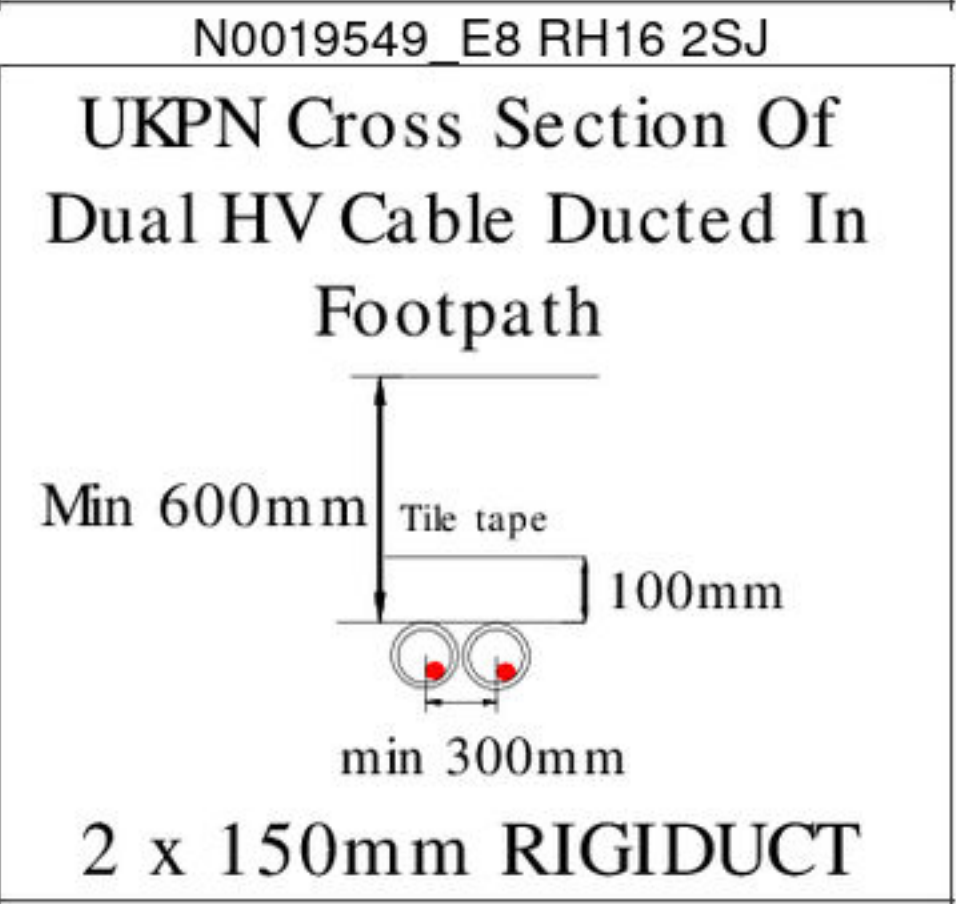
Substation Details

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: Low
Building type: StandardBrickBuilt
Door type: Steel or GRP
Surface type: Soil
RMU: Schneider RN2c T1/21
Intake RMU #1:

POC Details

Name: POC
Capacity (kVA): 216
DNO ref: 8200022699
Voltage: 11kV
Volt drop (%): None
ELI: (mΩ) None
Conn type: Straight joint



N0014713 Sub_Saffron Close IDNO RH16 2RY

POC Details

Name: POC
Capacity (kVA): 216
DNO ref: 8200022699
Voltage: 11kV
Volt drop (%): None
ELI: (mΩ) None
Conn type: Straight joint

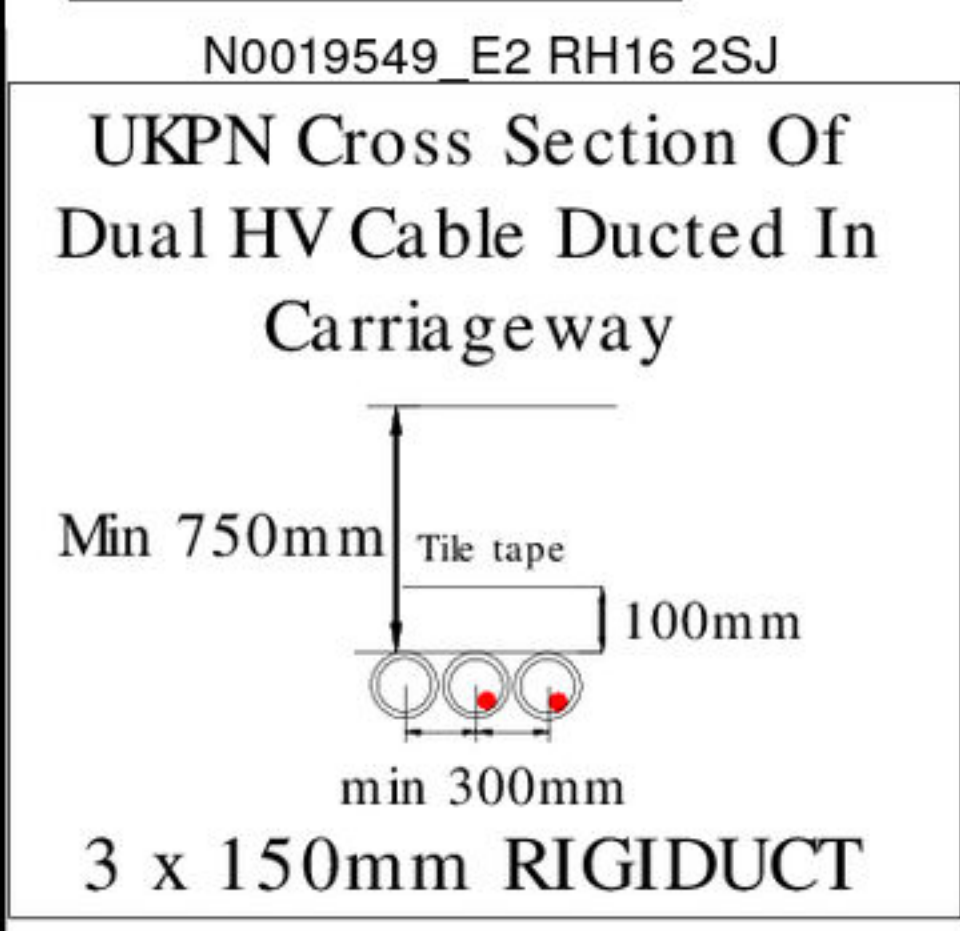
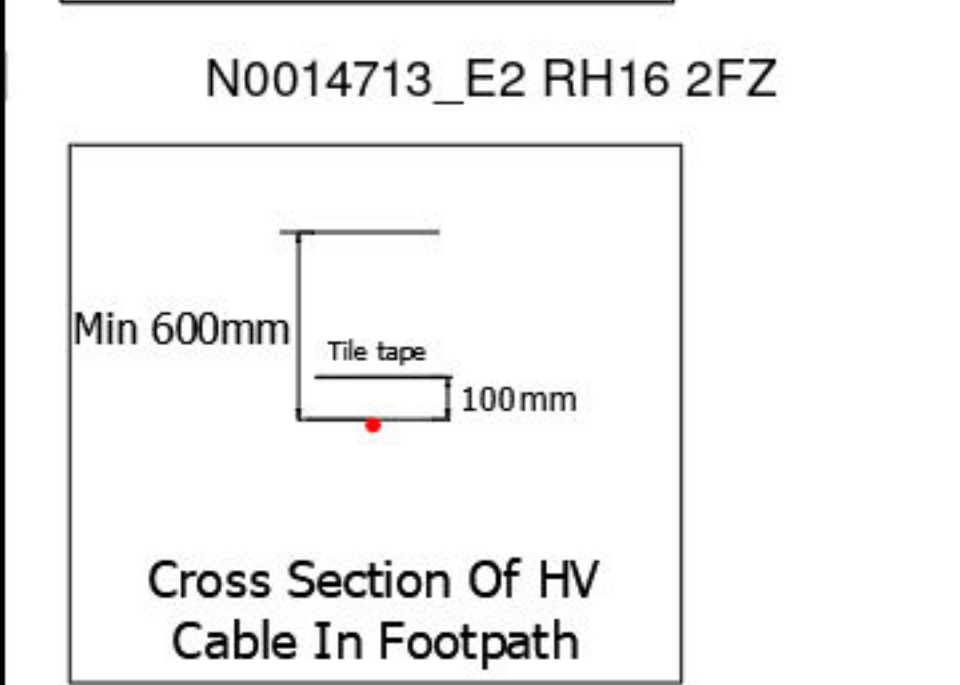
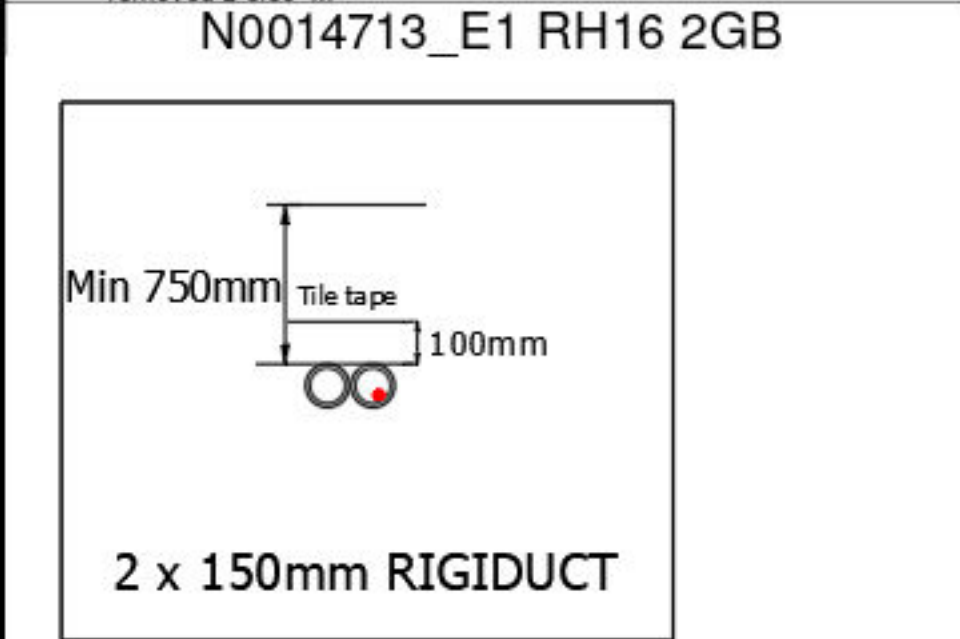
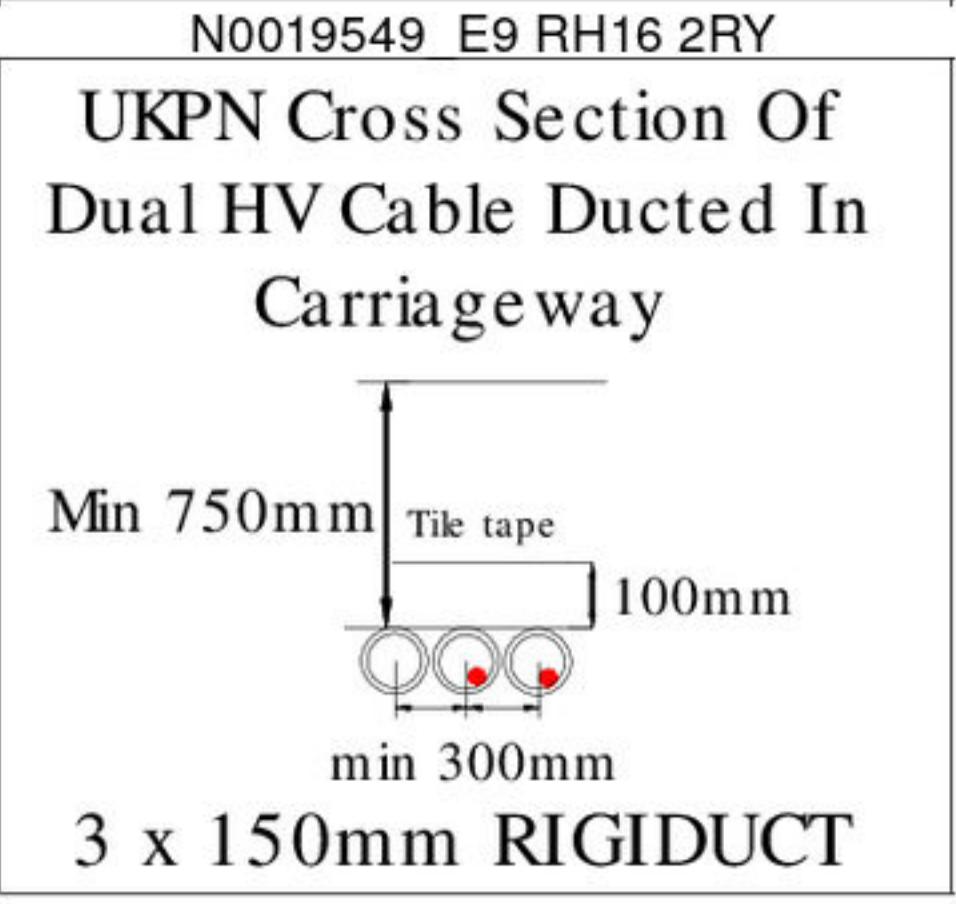
Substation Details

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: Low
Building type: StandardBrickBuilt
Door type: Steel or GRP
Surface type: Soil
RMU: Schneider RN2c T1/21
Intake RMU #1:

POC Details

Name: POC
Capacity (kVA): 216
DNO ref: 8200022699
Voltage: 11kV
Volt drop (%): None
ELI: (mΩ) None
Conn type: Straight 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 Sizes

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

Phase Identification

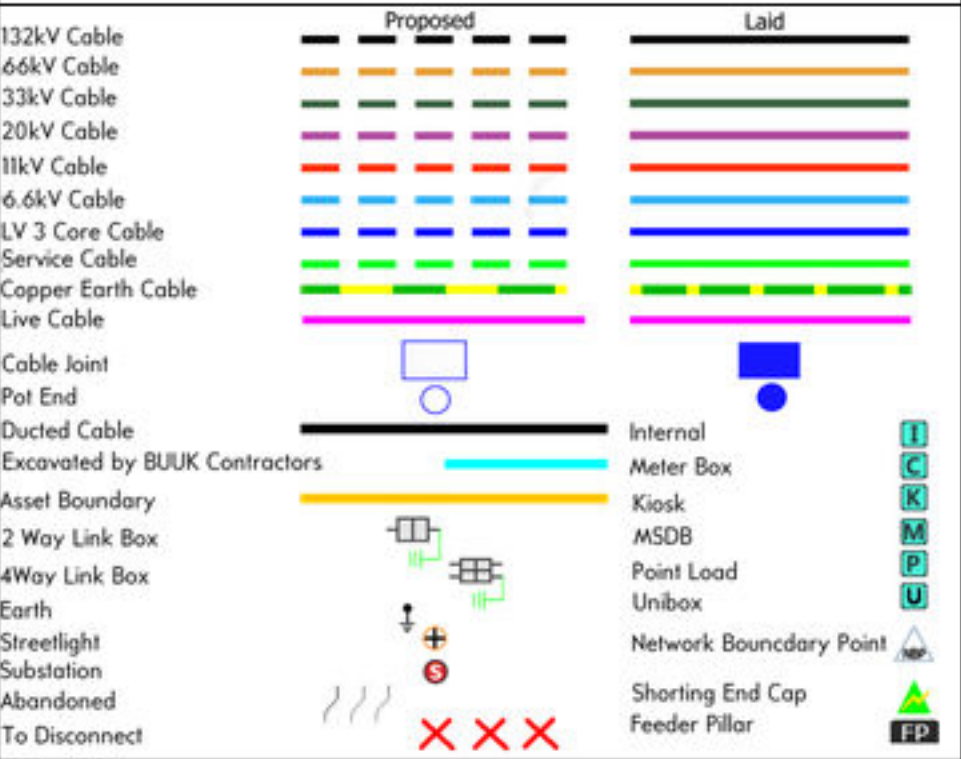
For colour convention mains, the connected phases will be shown as BR, BK, GY Where BR = brown / BK = black / GY = grey.

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 HS(G)47, 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 developers 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
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Last Edit By:	
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Last Approved By:	DAVID THOMPSON 0804202
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Approved

OS Ref:	535162.124479
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Location:	Land to the East of Gravelye Lane, Lyoth Lane, Lindfield, HAYWARDS HEATH, RH16 2BD
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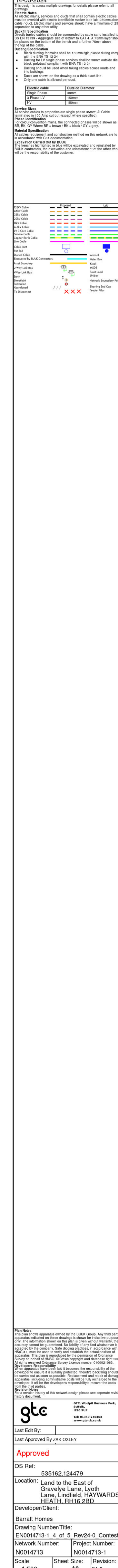
Developer/Client:	
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Barratt Homes

Drawing Number/Title:	EN0014713-1_4_of_5_Rev23-0_Contestable
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Network Number:	Project Number:
N0014713	N0014713-1

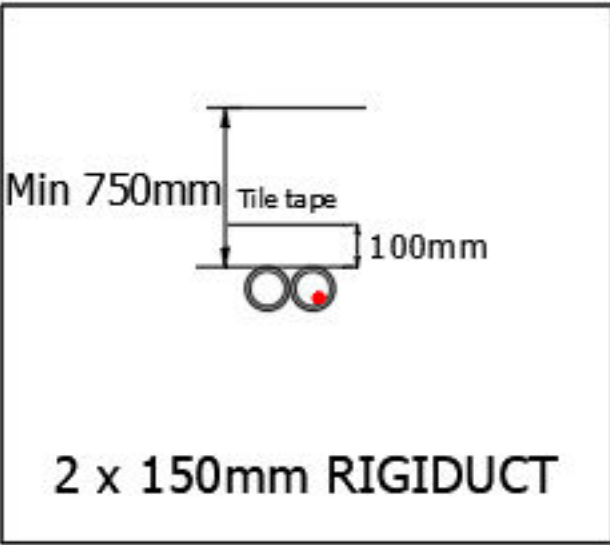
Scale:	Sheet Size:	Revision:
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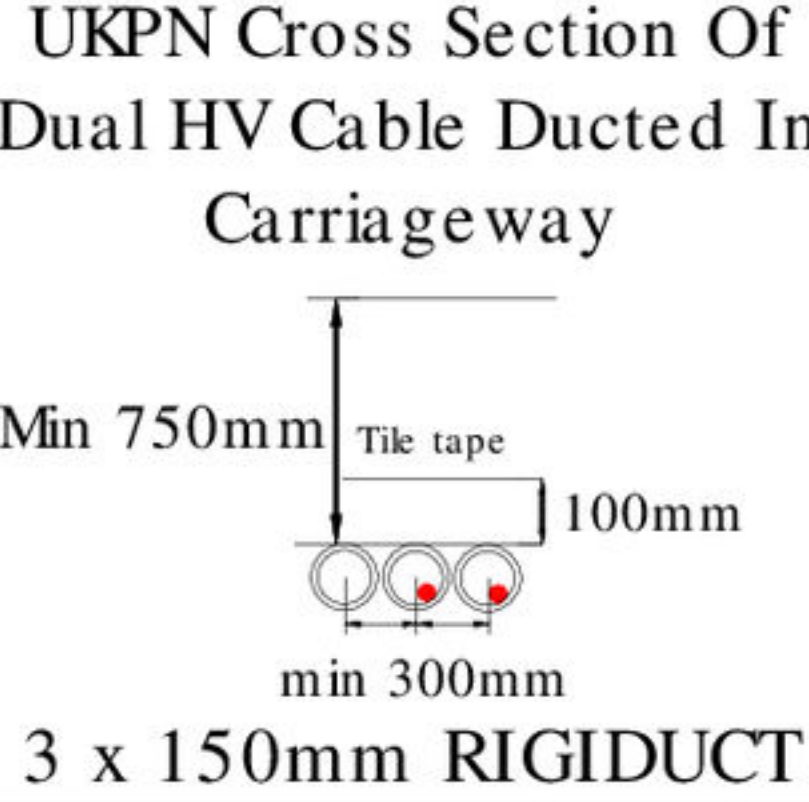
Three Phase TBS NR 200
69kVA 100Amp cut-out
Developer to supply and install
kiosk to GTC spec.
Developer to provide TT earthing,
no earth facility to be provided by GTC.

N0014713 - Recent revisions			
N0014713/elec		Revision History	
Rev	Comment	Date	Dsg. App.
24.0	connection of 1 x TBS	14/05/24	ZO ZO
23.0	All plots supplied from UKPN Substation Nr28	08/04/24	DT DT
22.0	DNS over cables that will require upsizing from UKPN POC	26/02/24	DT DT
21.0	87 x streetlights	13/02/24	ZO ZO
20.0	2nd Way from UKPN Sub past 13-28	12/02/24	DT DT
19.0	Removal of dual mains	07/02/24	JD JD
18.0	Addition of 4 Way Linkbox	02/02/24	JD JD
17.0	Hyperoptic Cabinet Amendment to Live Way	23/01/24	KC KC
16.0	Hyperoptic Cabinet Amendment	27/12/23	AF AF
15.0	1-114, 116-117, 169-170, 191-200 from UKPN Substation + H-optic Cab	28/11/23	JM JM
14.0	4 x EVCP FPs and Dual Mains at 5-12	14/11/23	DT DT
13.0	DNS Polygons and 185mm spine cable upsized to 300mm	29/09/23	JD JD
12.0	(Legacy) 82m of elec mains added 82m of elec mains removed	07/06/23	KC KC
11.0	(Legacy) 65m of elec mains added 60m of elec mains removed 1 elec ...	06/06/23	MS MS
10.0	(Legacy) 2920m of elec mains added 247m of elec mains removed 207 ...	29/03/23	JM JM
9.2	(Legacy) 14m of elec mains added 14m of elec mains removed 1 elec ...	04/10/22	BB BB
9.1	(Legacy) 13m of elec mains added 13m of elec mains removed 1 elec ...	21/09/22	PH PH
9.0	(Legacy) 166m of elec mains added 166m of elec mains removed 3 ele ...	09/09/22	JD JD
8.1	(Legacy) 42m of elec mains added 42m of elec mains removed 1 elec ...	22/03/22	DG n/a
8.0	(Legacy) 203m of elec mains added 201m of elec mains removed 2 ele ...	12/01/22	MM MM

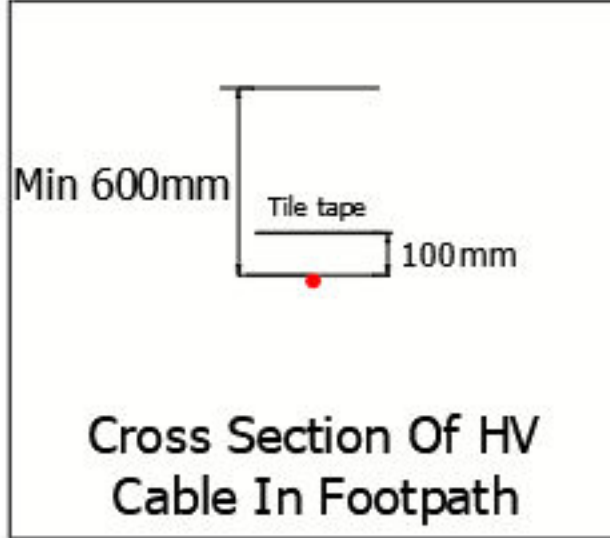
N0014713_E1 RH16 2GB



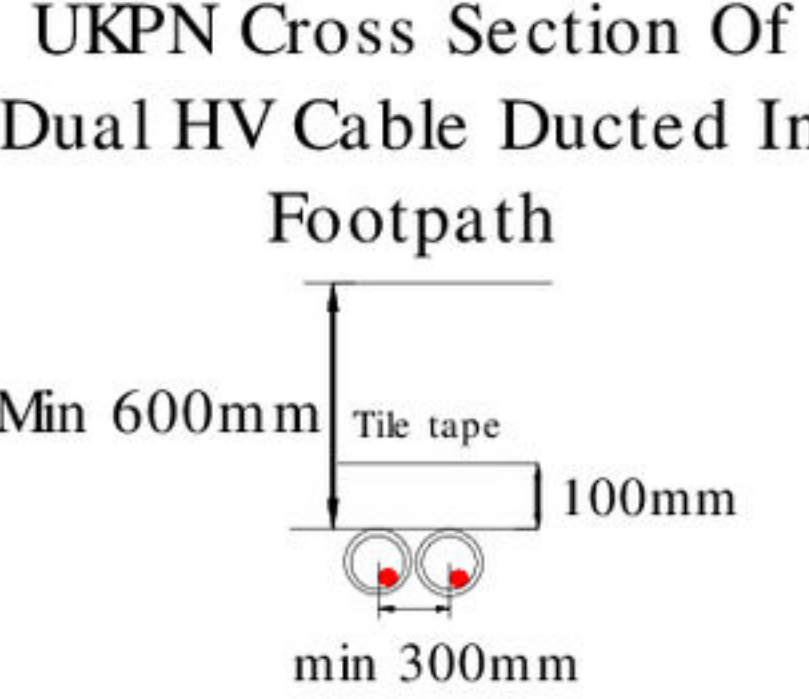
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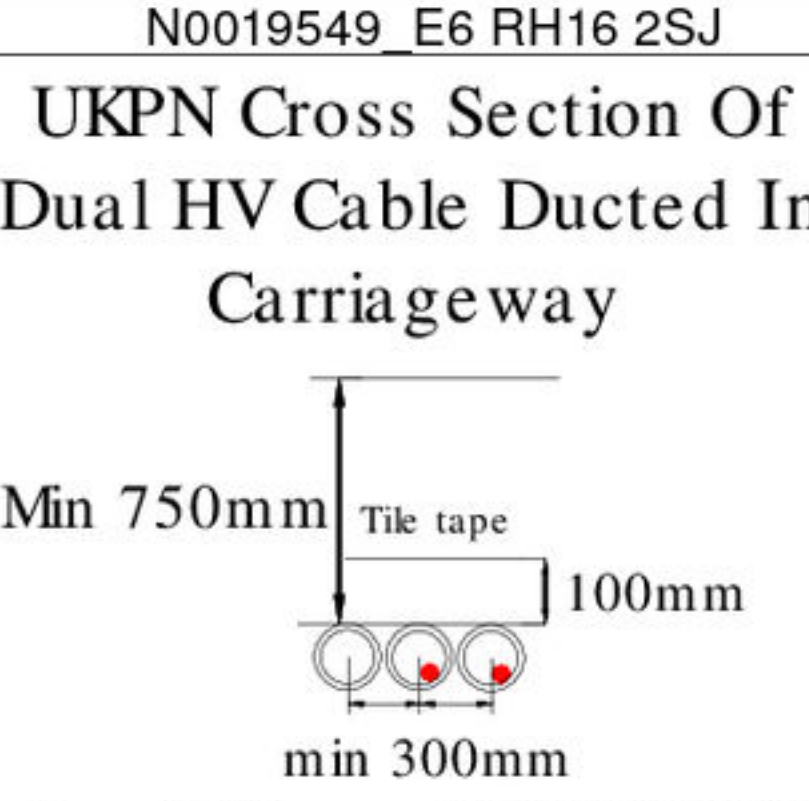
N0014713_E2 RH16 2FZ



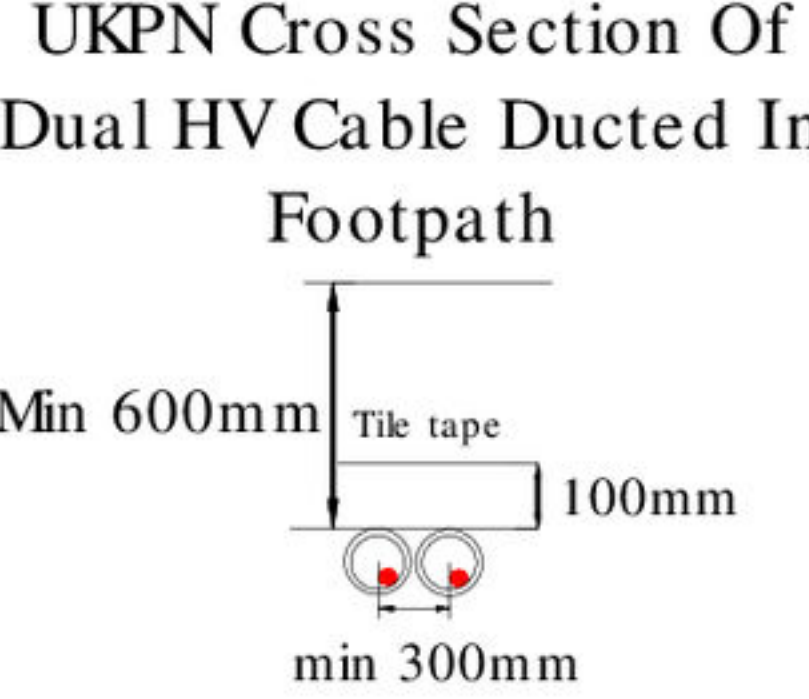
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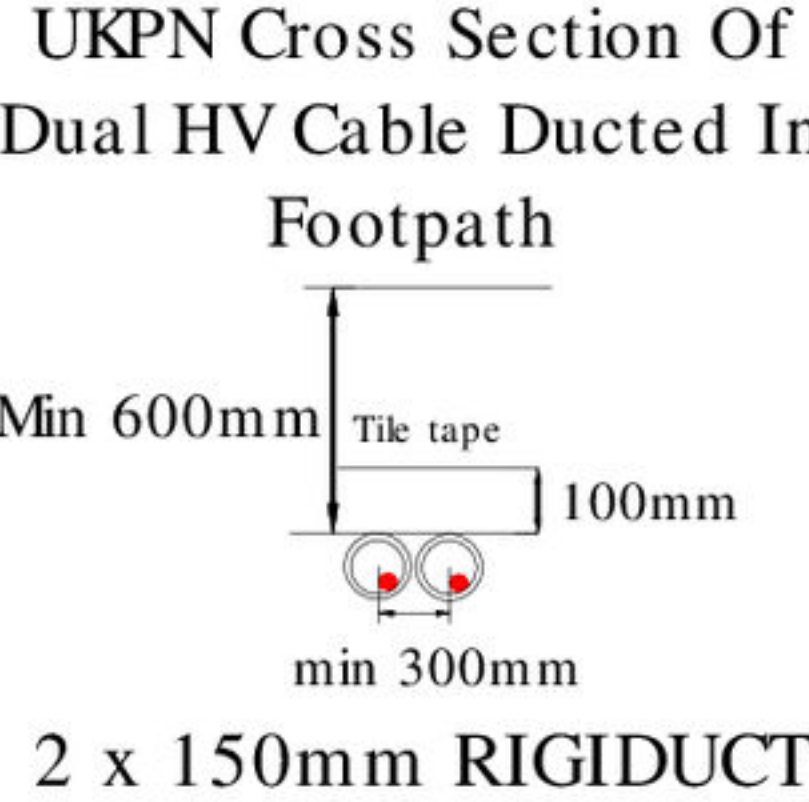
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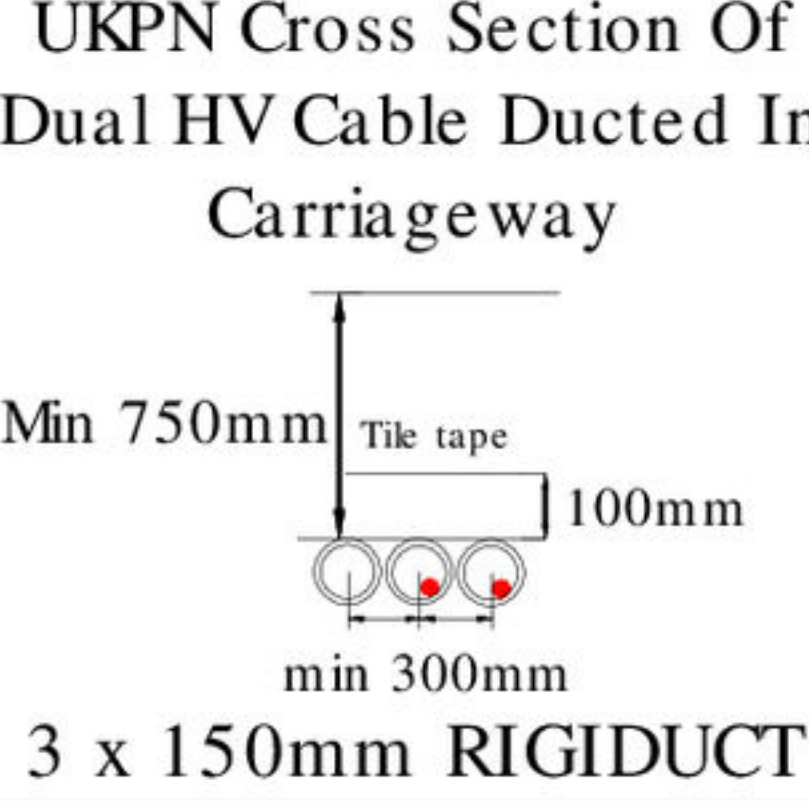
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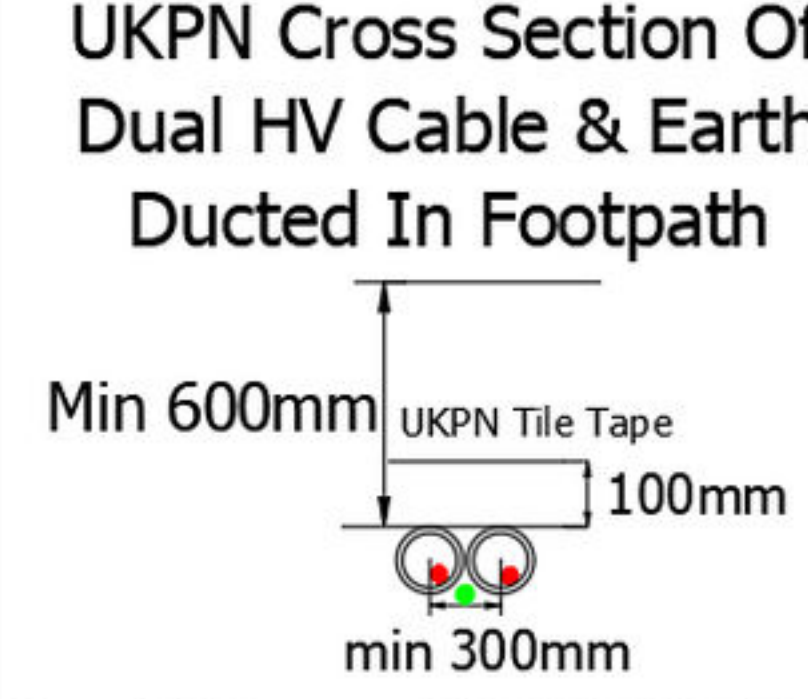
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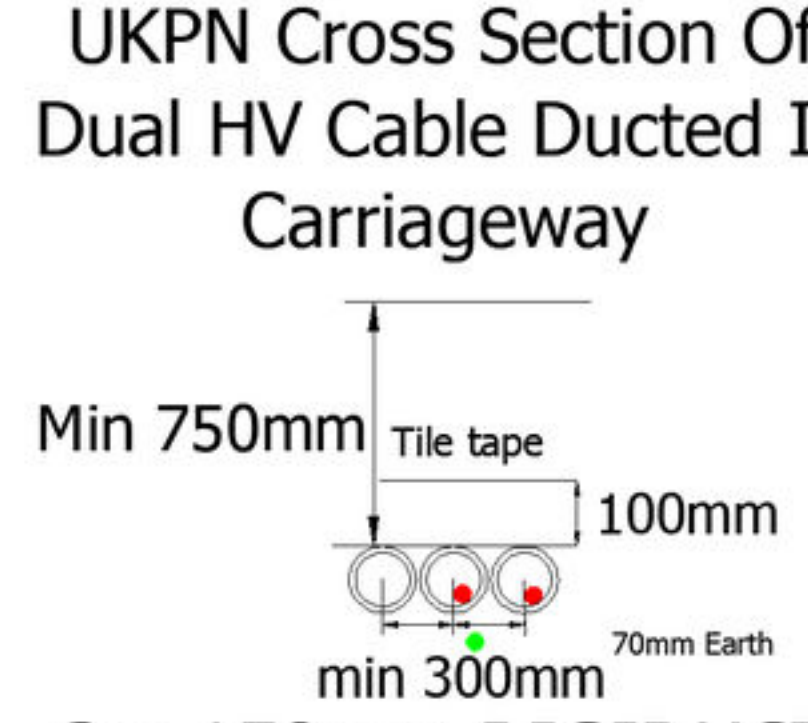
N0019549_E9 RH16 2RY



N0019549_E10 RH16 2RY



N0019549_E11 RH16 2RY



N0023661_UKPN Way 2.2 RH16 2QQ

POC Details	
Name:	UKPN Way 2.2
Capacity (kVA):	
DNO ref:	
Voltage:	LV
Volt drop (%):	0.19
ELI: (mΩ)	21.0
Conn type:	Straight joint

N0019549_POC RH16 2SJ

POC Details	
Name:	POC
Capacity (kVA):	216
DNO ref:	8200022699
Voltage:	11kV
Volt drop (%):	None
ELI: (mΩ)	None
Conn type:	Straight joint

N0014713 RH16 2DY

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

N0014713_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:	

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

N0014713_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:	Low
Building type:	StandardBrickBuilt
Door type:	Steel or GRP
Surface type:	Soil
RMU:	Schneider RN2c T1/21
Intake RMU #1:	

N0023661_UKPN Way 2.1 RH16 2QQ

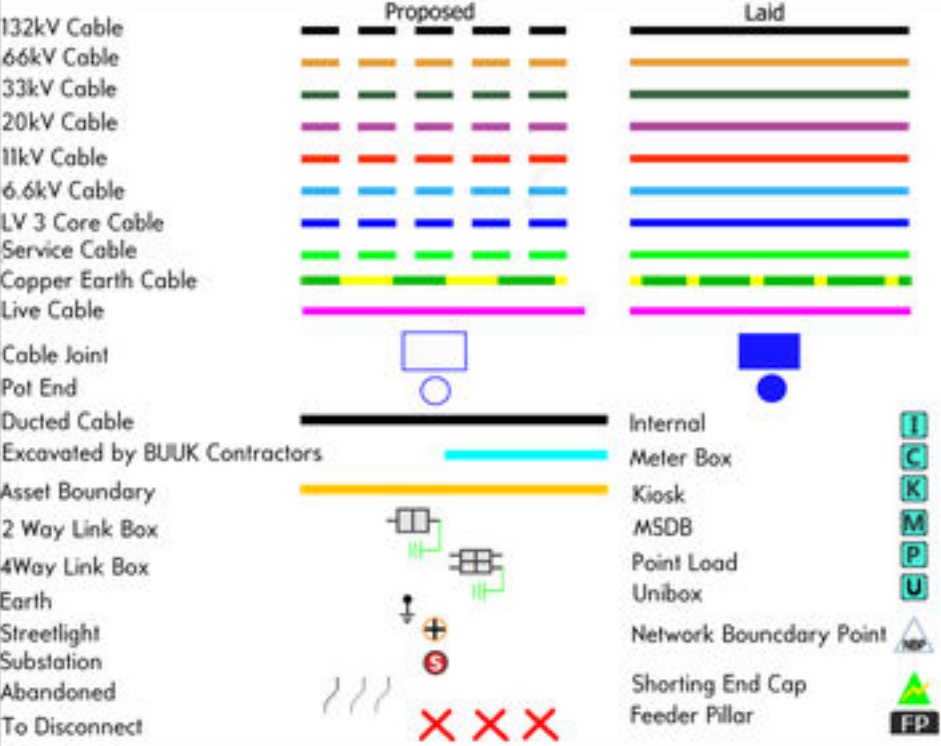
POC Details	
Name:	UKPN Way 2.1
Capacity (kVA):	
DNO ref:	
Voltage:	LV
Volt drop (%):	0.19
ELI: (mΩ)	21.0
Conn type:	Straight joint

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

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All service cables to properties are single phase 35mm² Al Cable terminated in 100 Amp cut out (except where specified).
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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:	ZAK OXLEY 14052024

Unapproved Variation

OS Ref: 535162.124479

Location: Land to the East of Gravelye Lane, Lyoth Lane, Lindfield, HAYWARDS HEATH, RH16 2BD

Developer/Client: Barratt Homes

Drawing Number/Title: EN0014713-1_4_of_5_Rev24-0_Contestable HV

Network Number:	Project Number:
N0014713	N0014713-1

Scale:	Sheet Size:	Revision:
1:1500	A3	Based on 24.0

