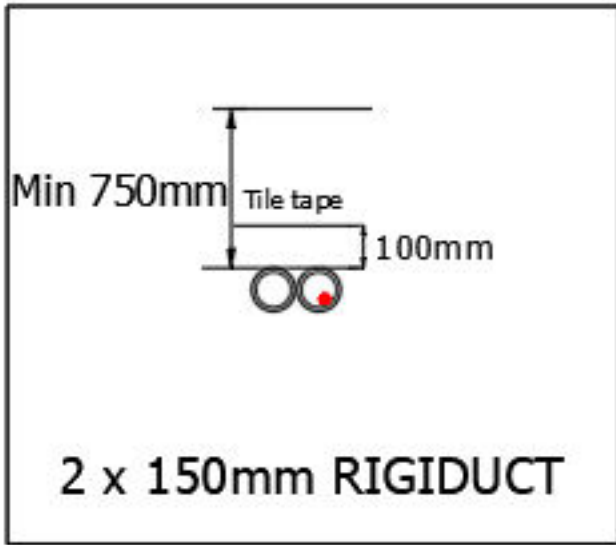
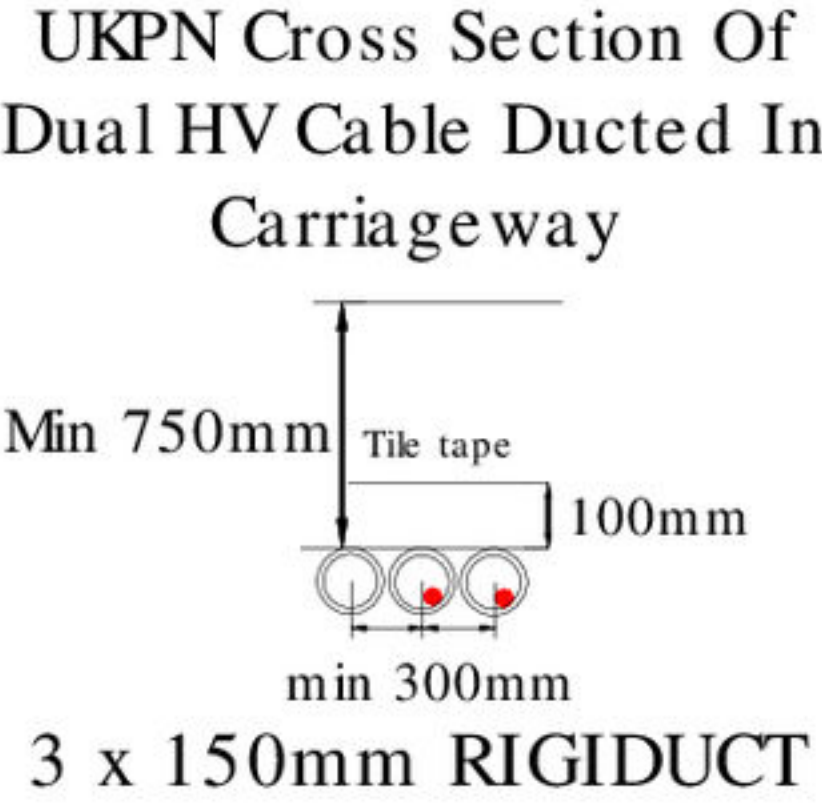


N0014713 - Recent revisions			
N0014713/elec		Revision History	
Rev	Comment	Date	Dsg. App.
17.0	Hyperoptic Cabinet Amendment to Live Way	23/01/24	KC KC
16.0	Hyperoptic Cabinet Amendment	27/12/23	AF AF
15.0	1-114, 116-117, 169-170, 191-200 from UKPN Substation + H-optic Cab	28/11/23	JM JM
14.0	4 x EVCP 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
7.8	(Legacy) 1 elec service added 1 elec service removed	06/05/20	SC SC
7.7	(Legacy) 9m of elec mains added 9m of elec mains removed	17/02/20	CB CB
7.6	(Legacy) 1 elec service added	15/01/20	DW n/a
7.5	(Legacy) 1 elec service added 2 elec dimensions added	15/01/20	DW DW
7.4	(Legacy) 2 elec services added	06/01/20	GD GD
7.3	(Legacy) 5m of elec mains added 5m of elec mains removed 1 elec sa	12/12/19	DW n/a

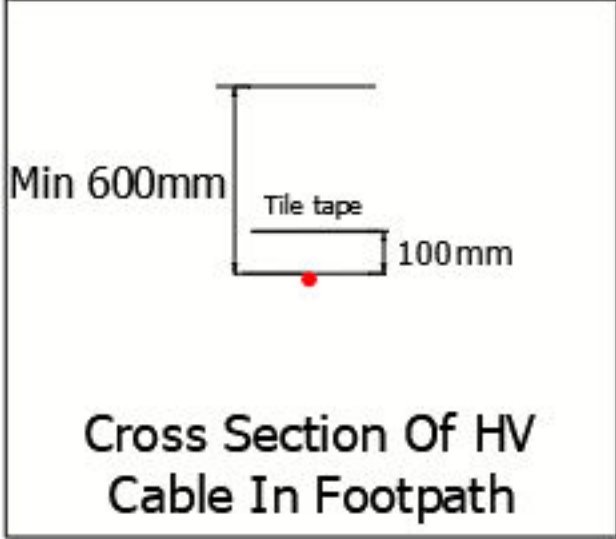
N0014713_E1 RH16 2GB



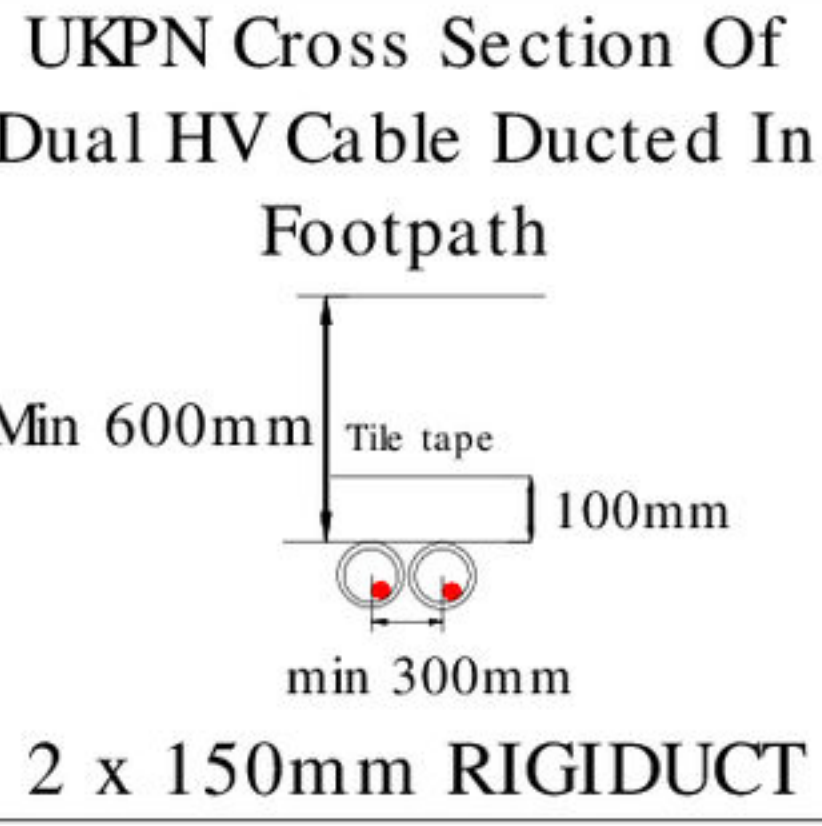
N0019549 E2 RH16 2SJ



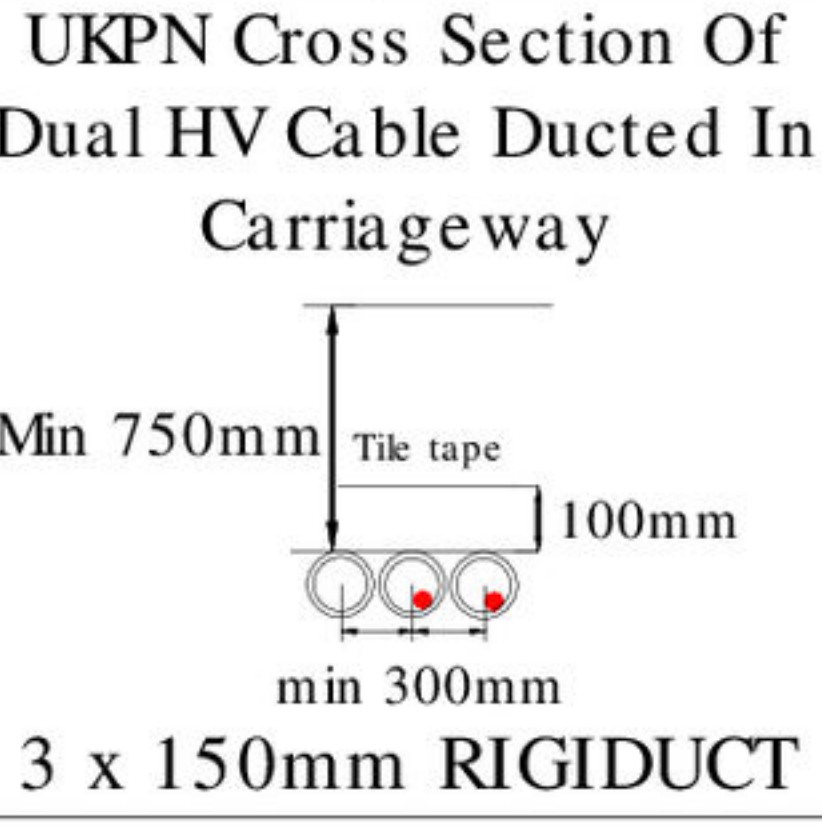
N0014713_E2 RH16 2FZ



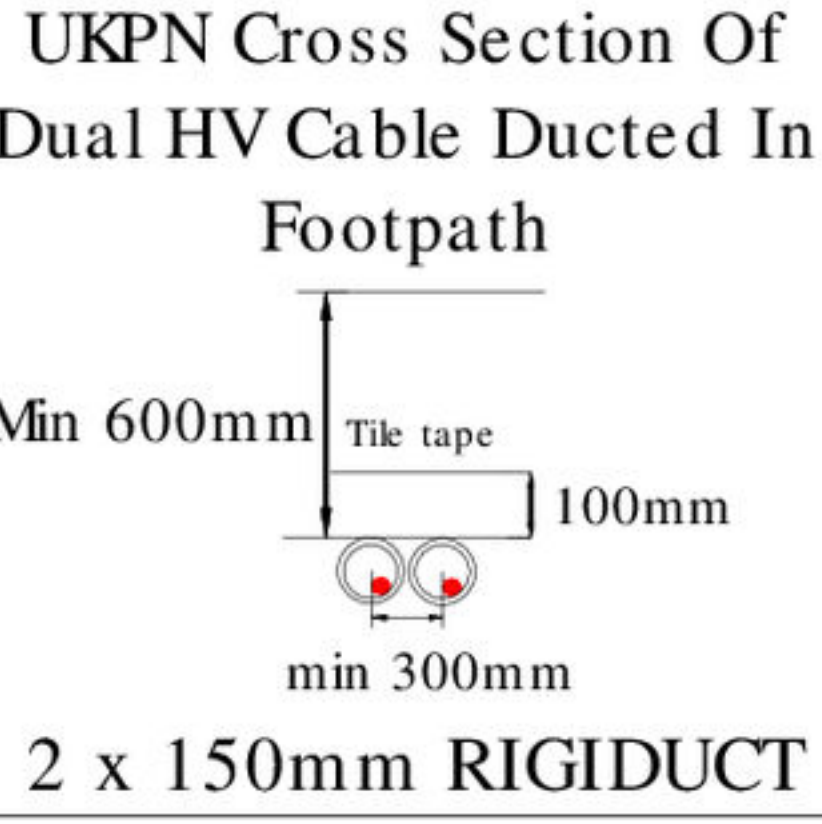
N0019549 E4 RH16 2SJ



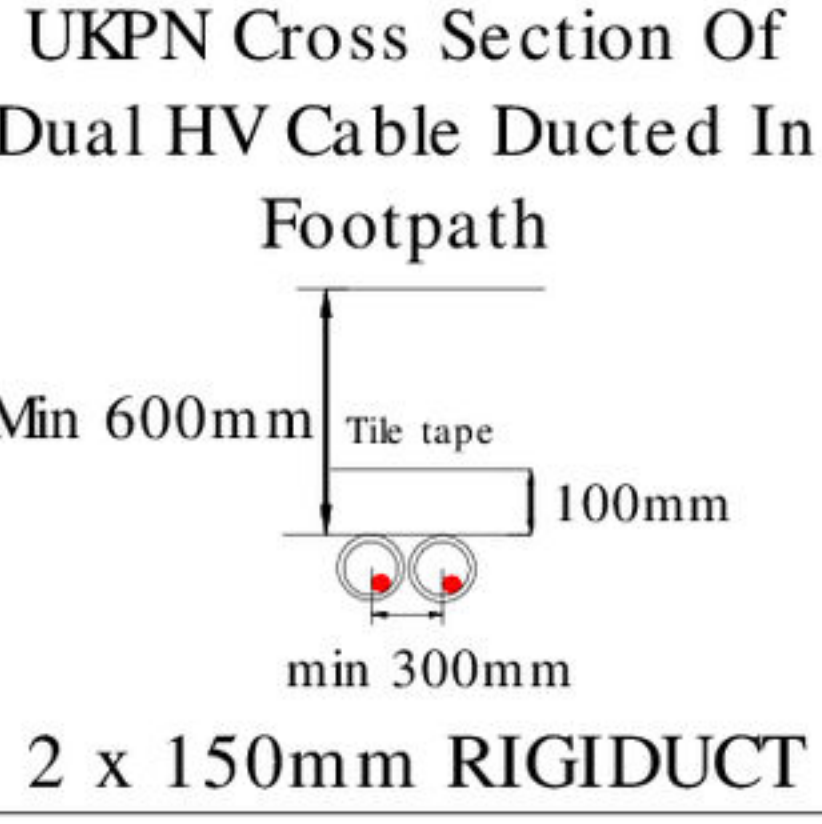
N0019549 E6 RH16 2SJ



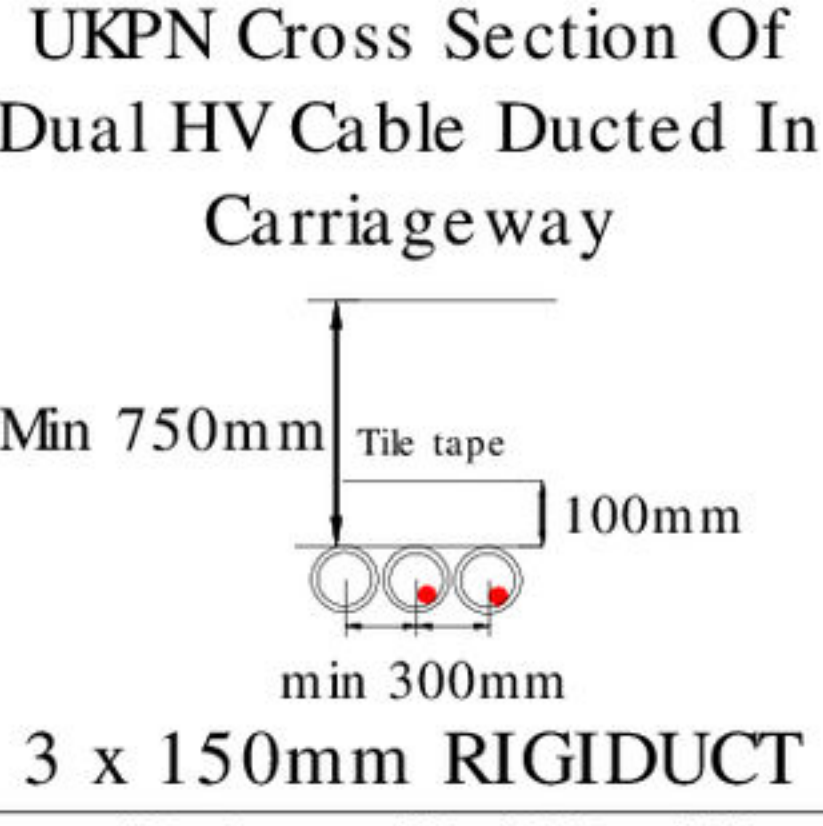
N0019549 E7 RH16 2SJ



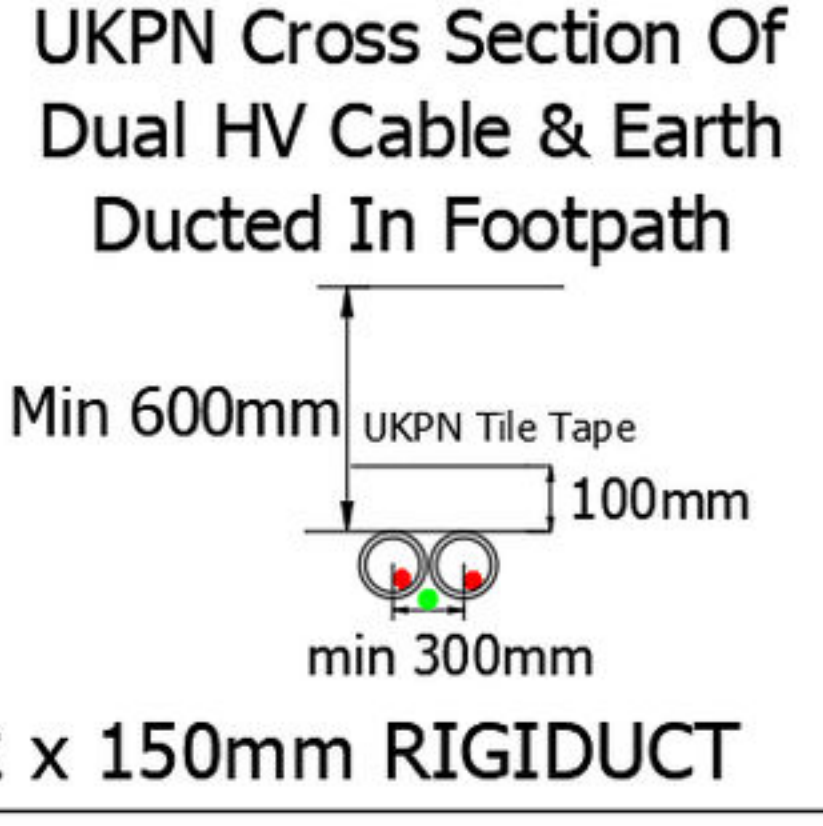
N0019549 E8 RH16 2SJ



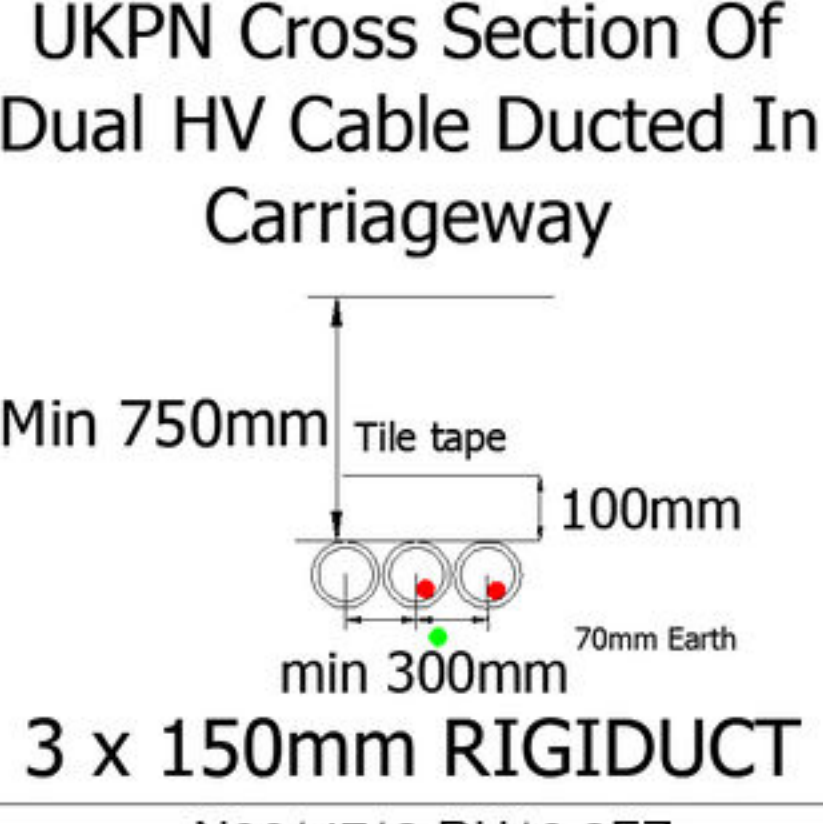
N0019549 E9 RH16 2RY



N0019549_E10 RH16 2RY



N0019549_E11 RH16 2RY



N0014713 RH16 2FZ

POC Details	
Name:	
Capacity (kVA):	
DNO ref:	
Voltage:	11kV
Volt drop (%):	None
ELI: (mΩ)	None
Conn type:	Branch 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 2GB

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:		StandardBrickBuilt
Building type:		
Door type:		
Intake RMU #1:		

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:		
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:		

N0014713 RH16 2DY

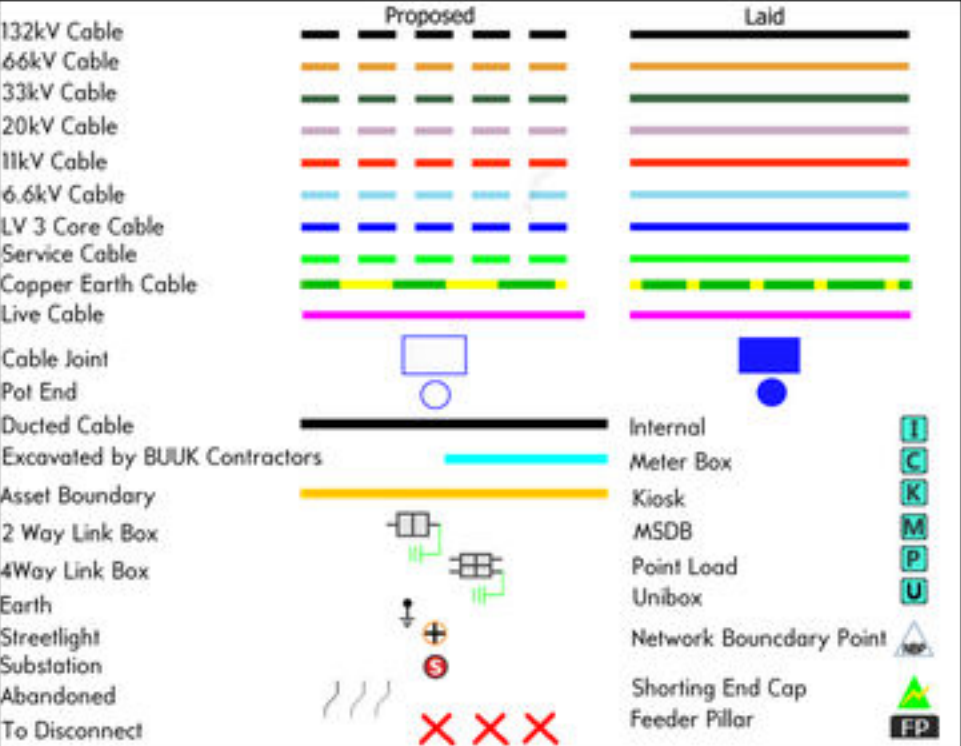
POC Details	
Name:	
Capacity (kVA):	
DNO ref:	
Voltage:	11kV
Volt drop (%):	None
ELI: (mΩ)	None
Conn type:	Branch joint

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 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 HSG47, 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.

gtec	GTC, Woolpit Business Park, Suffolk, IP30 9UP Tel: 01359 240363 www.gtc-uk.co.uk
-------------	--

Last Edit By:

Last Approved By: KAREN CHAMBERLAIN 2301

Approved

OS Ref: 535062.124479

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

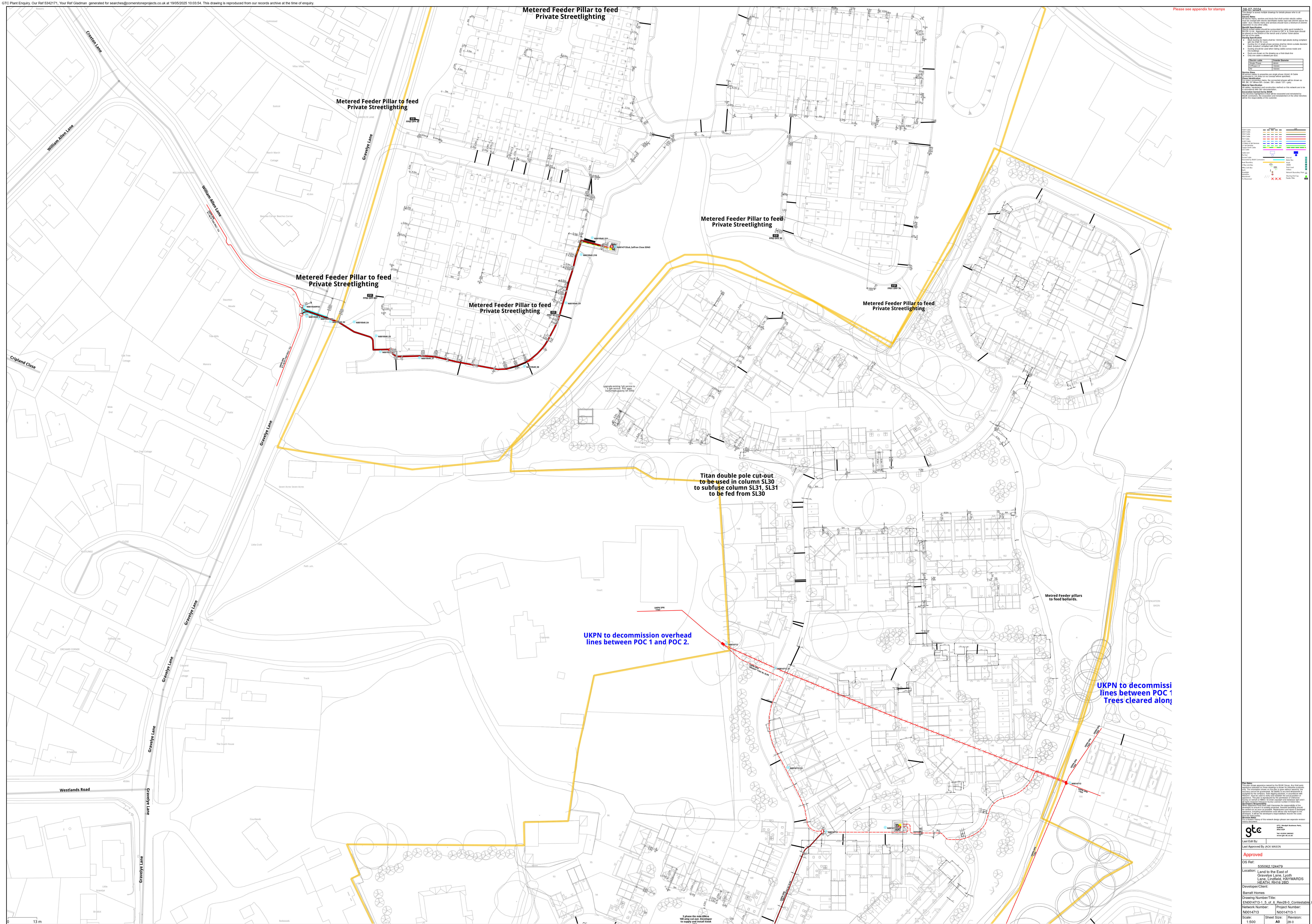
Developer/Client:

Barratt Homes

Drawing Number/Title: EN0014713-1_5_of_6_Rev17-0_Contestable_HV

Network Number: N0014713	Project Number: N0014713-1
-----------------------------	-------------------------------

Scale: 1:1500	Sheet Size: A3	Revision: 17.0
------------------	-------------------	-------------------



Electric cable	Outside Diameter
Single Phase	18mm
3 Phase LV	150mm
HT	130mm

Service Sizes
All service cables in properties are single phase 350V or 480V Cable terminated in 100 Amp cut-out (except where specified).

Phase Identification
For colour convention mains, the connected phases will be shown as R/B, B/K, G/Y where B/B = brown / B/K = black / G/Y = grey.

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

Excavation Carried Out by BULK

The benches highlighted in blue will be excavated and reinstated by EULK contractors, the excavation and reinstatement of the other benches will be the responsibility of the customer.

	Proposed	Lat
32V Cable		
40V Cable		
20V Cable		
10V Cable		
5V Cable		

2 Way Link Box		4000
Offier Link Box		Point Load
Earth		Unions
Fireweight		Network Boundary Pa
Abandoned		Shoring End Cap
To Disconnect		Feeder Piler

11/11/2016

11/11/2016

11/11/2016

15 JULY 2004

15 JULY 2004

15 JULY 2004

15 JULY 2004

15 JULY 2004

11/11/2016

15 JULY 2004

11/11/2016

15 JULY 2004

Plan Notes
This plan shows apparatus owned by the BUK 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 can't be guaranteed. No liability of any kind whatsoever is accepted by the company. Safe digging practices, in accordance with H30327, must be used to verify and establish the actual position of the utility. That information is then used to create a record of the survey on behalf of MPO. © Copyright 2007 by MPO and database right 2007. All rights reserved. Ordinance Survey License number 1100021063.

Developers Responsibility
When applications have been test it becomes the responsibility of the developer to ensure it is suitably protected, therefore backdoors should be carried out as soon as possible. Replacement and repair of damaged data is not included in the full warranty. The full warranty is only available if the application is installed on a new system. If the application is installed on an existing system, it will be the developer's responsibility to ensure the correct backup and recovery procedures are in place.

gtec
GTC, Vinodit Business Park,
Salford,
M6 6PU
Tel: 0161 275 26063
www.gtc-uk.co.uk

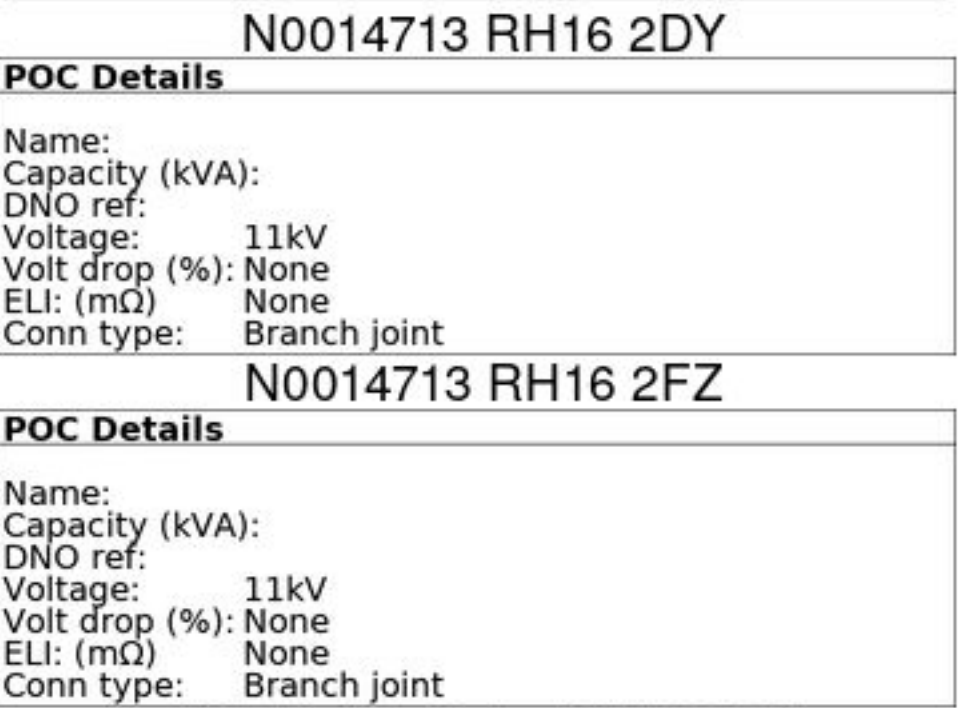
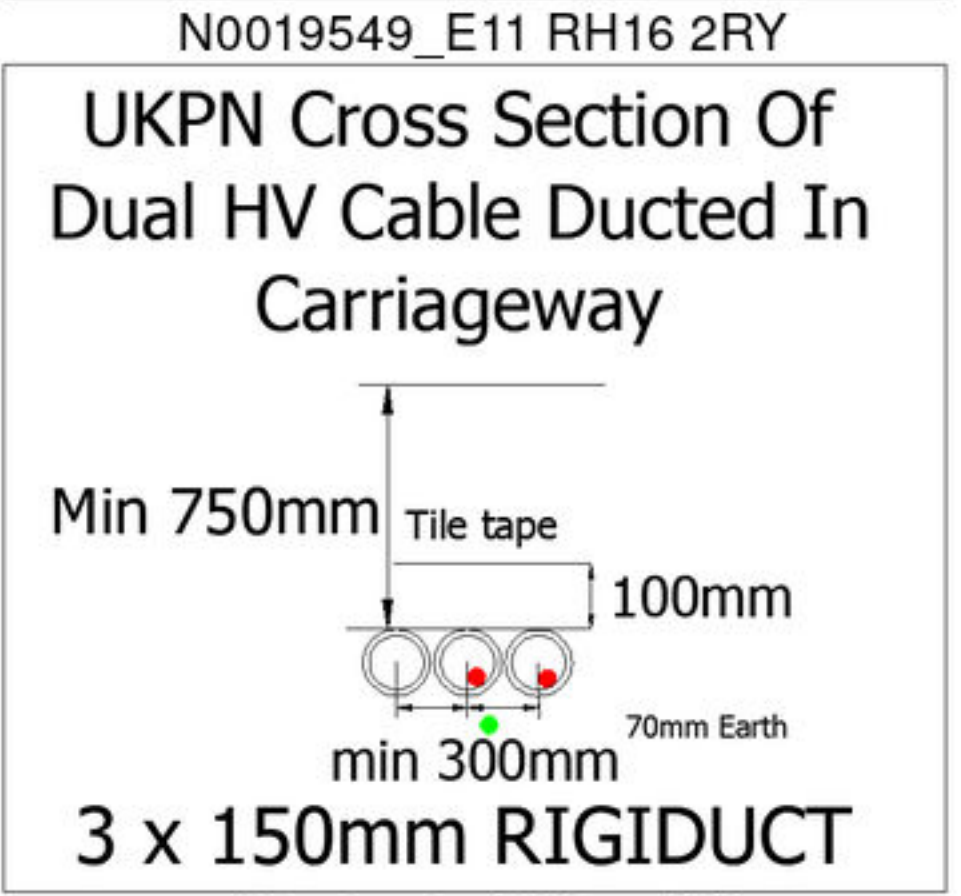
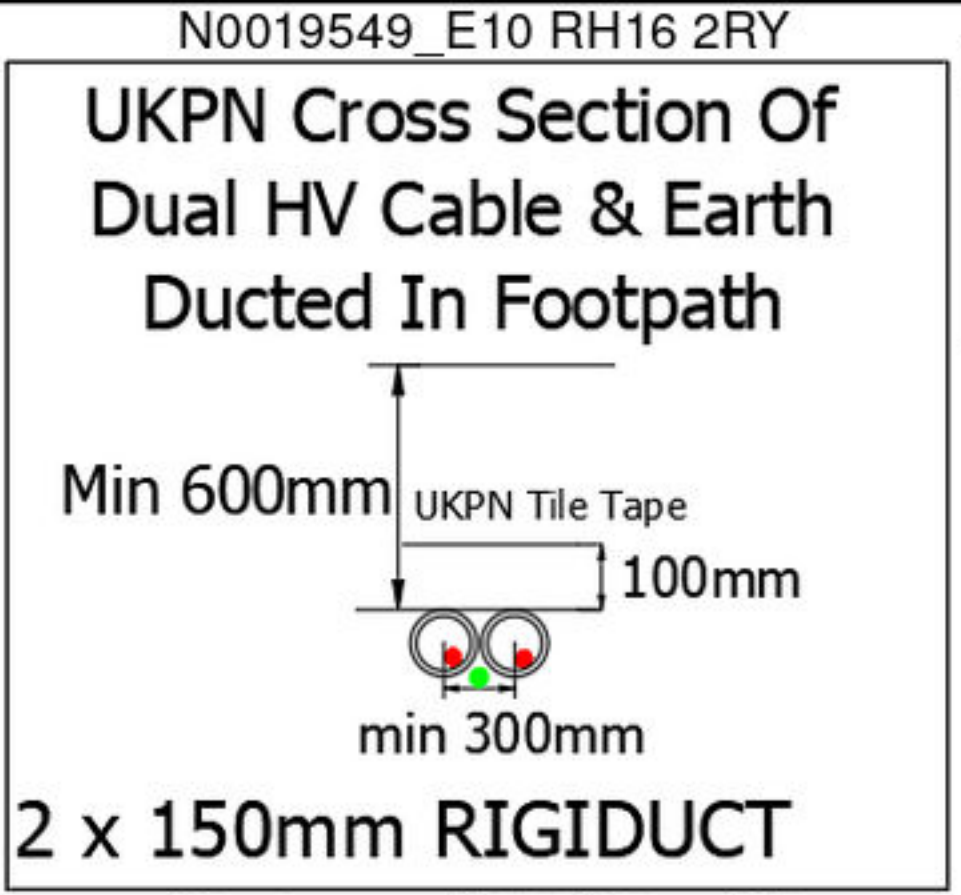
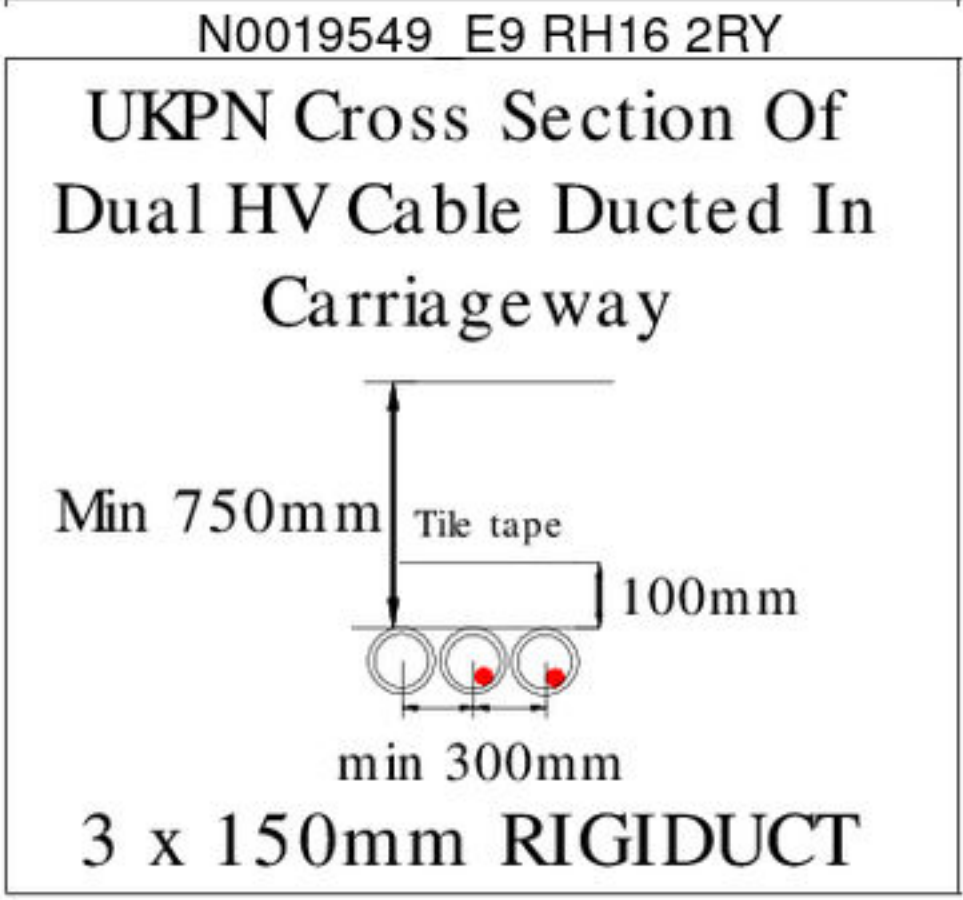
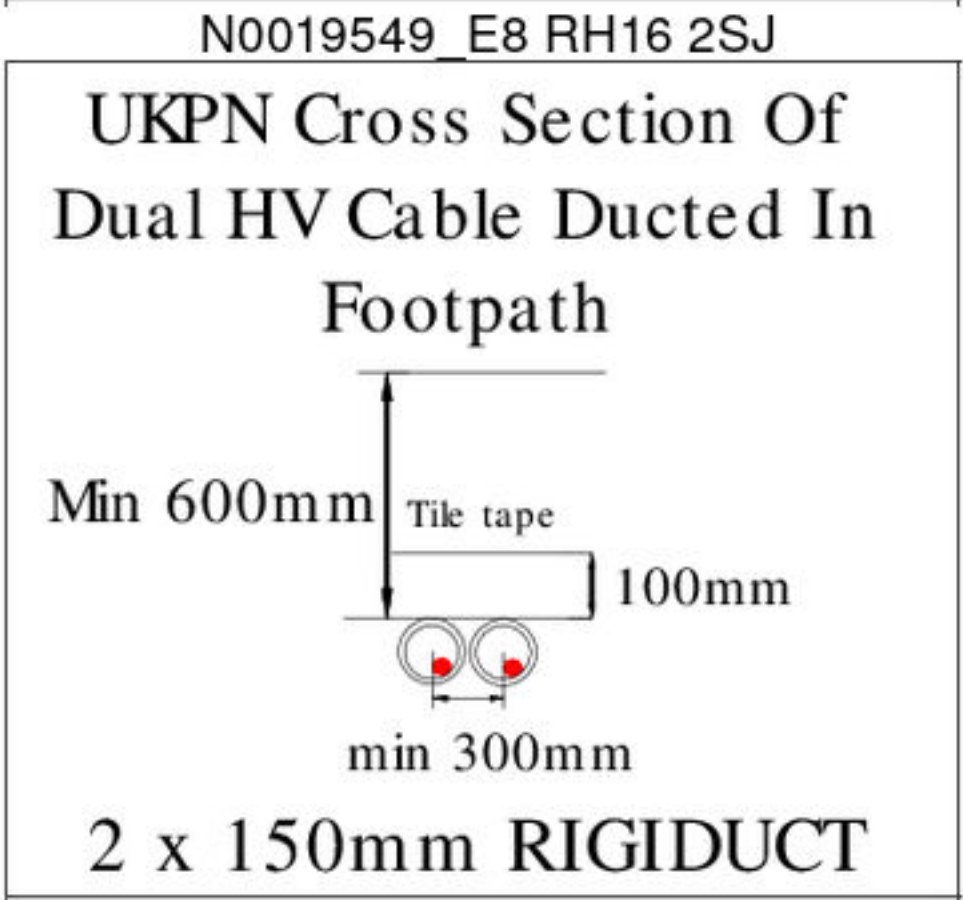
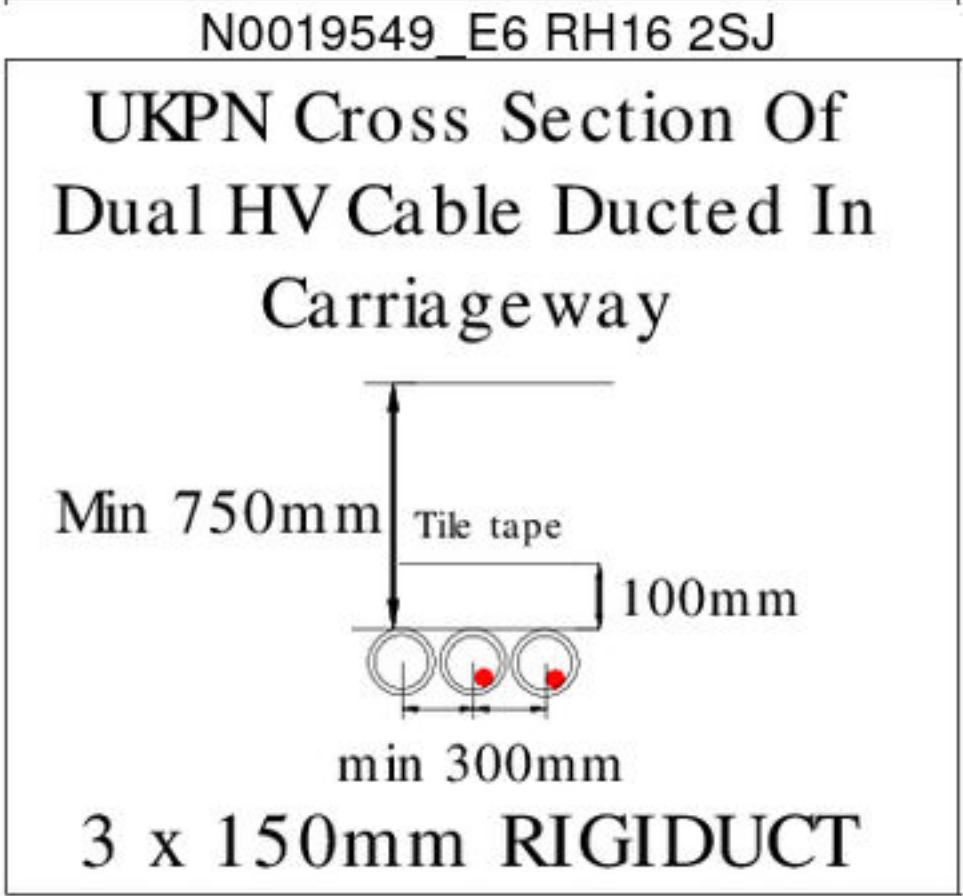
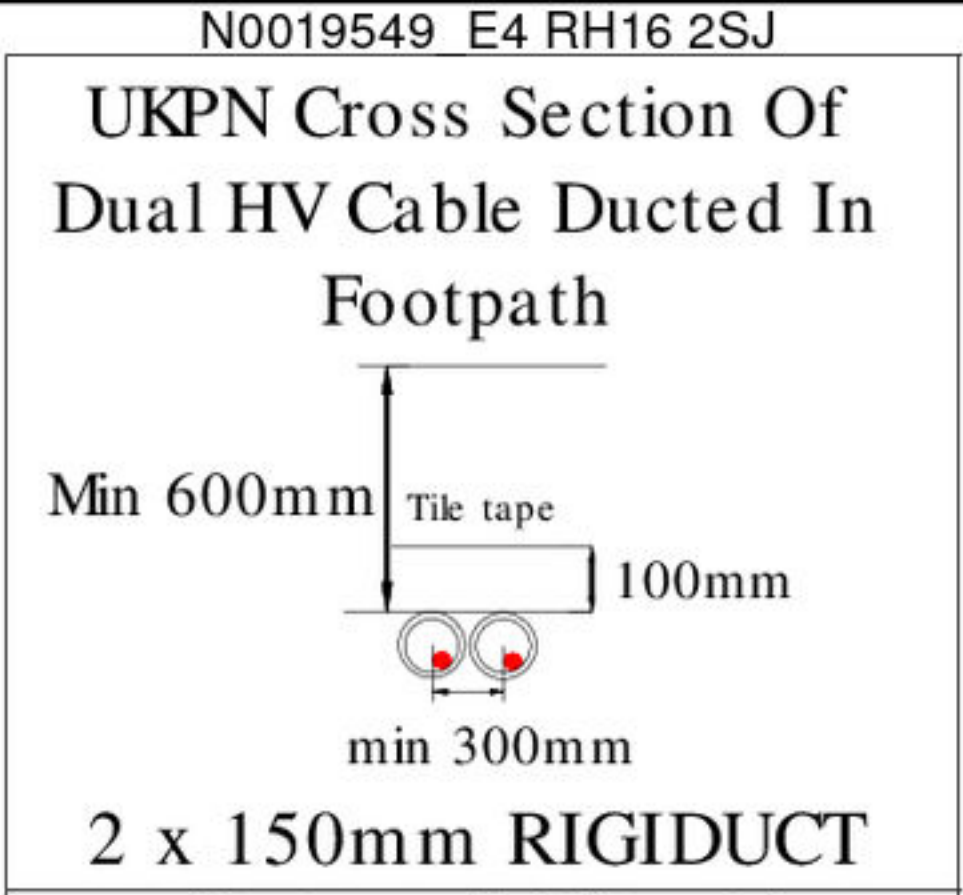
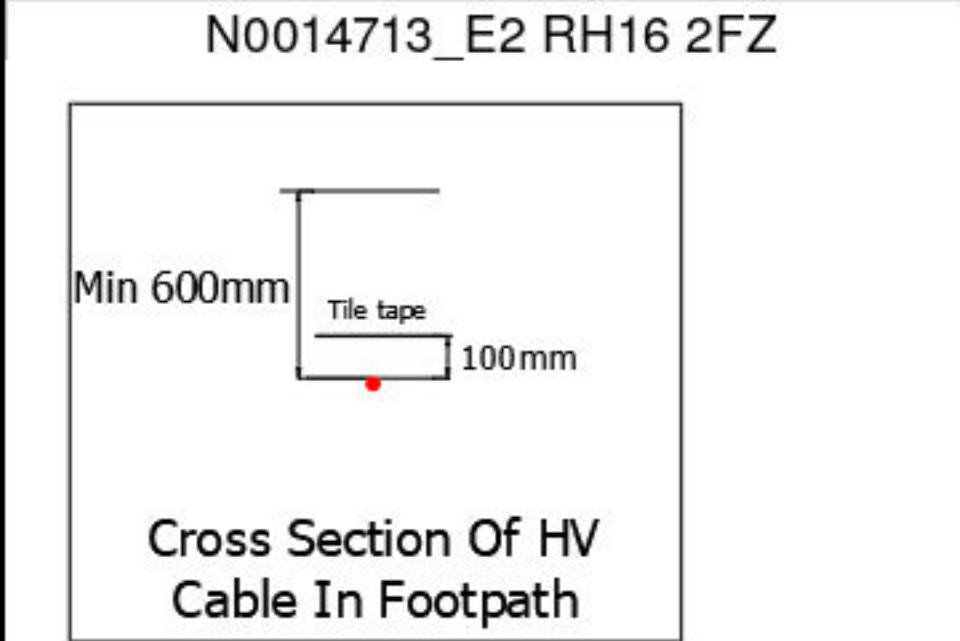
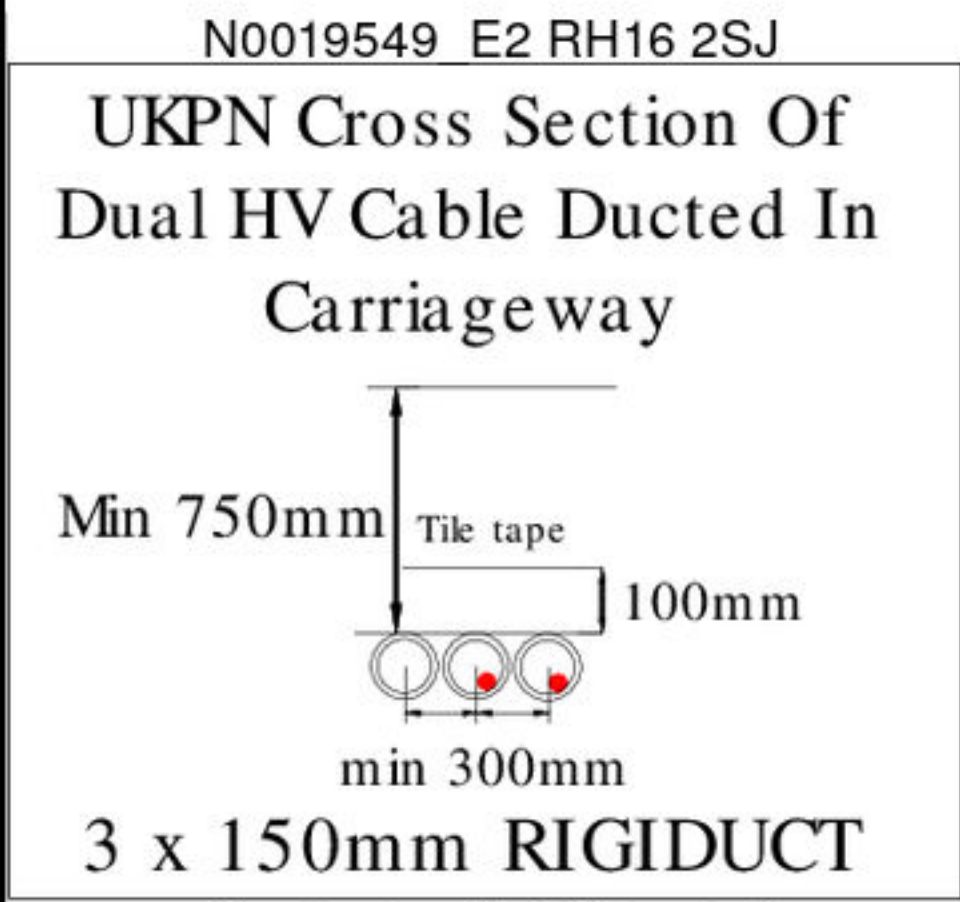
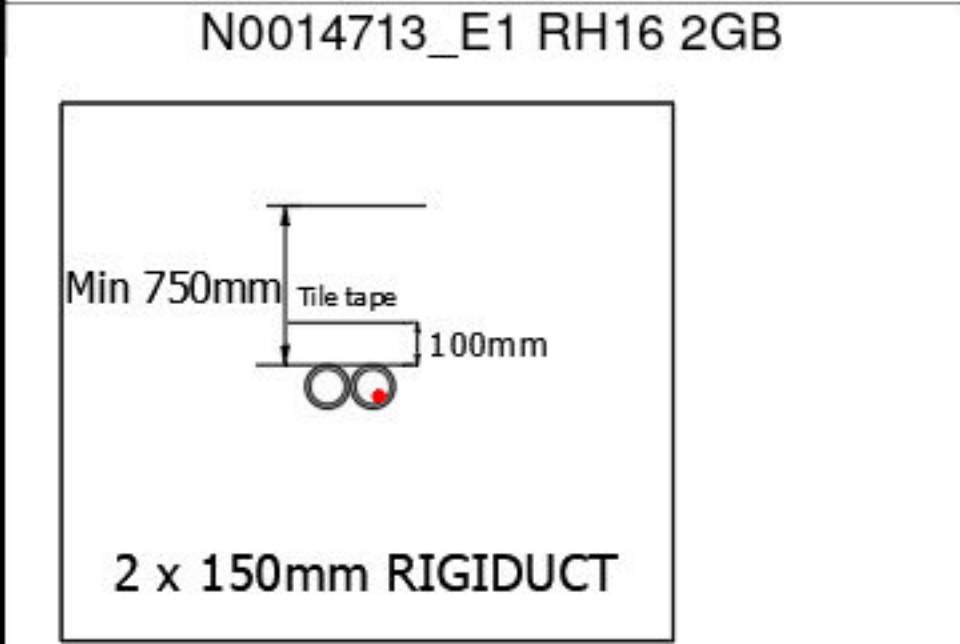
Last Edit By:	
Last Approved By	JACK MASON
Approved	

OS Ref:	535062.124479
Location:	Land to the East of Gravelly Lane, Lyoth Lane, Lindfield, HAYWARDS HEATH, RH16 2BD

Developer/Client:	
Barratt Homes	
Drawing Number/Title:	
EN0014713-1 5 of 6 Rev28-0 Contest	
Method Number:	Project Number:

Network Number: N0014713		Project Number: N0014713-1	
Scale: 1:500	Sheet Size: A0	Revision: 28-0	

N0014713 - Recent revisions			
Rev	Comment	Date	Dsg. App.
28.0	Way 3.B Amendment for Primary School	08/07/24	JM JM
27.0	1 x TBS NR 200 service cable amendment	05/07/24	AS AS
26.0	Contestable LV Variation	29/05/24	MS MS
25.0	Amend way 5 connection to primary school.	21/05/24	JD JD
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

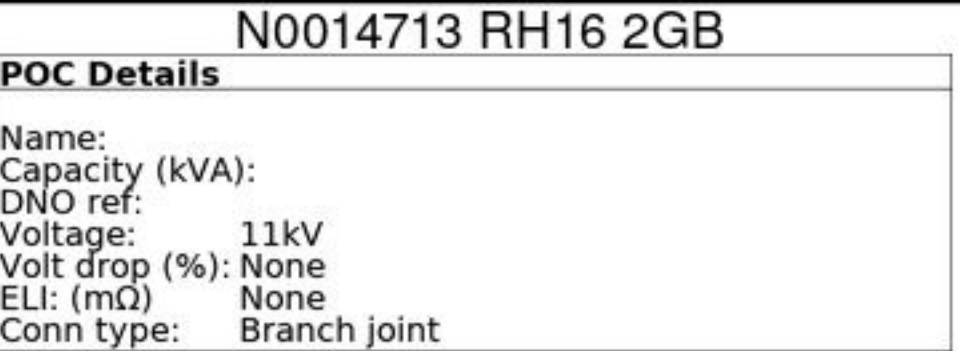


Substation Details		
Way	Cable	Fuse (A)
2	185mm	315
3	185mm	255
1	185mm	255

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

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

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

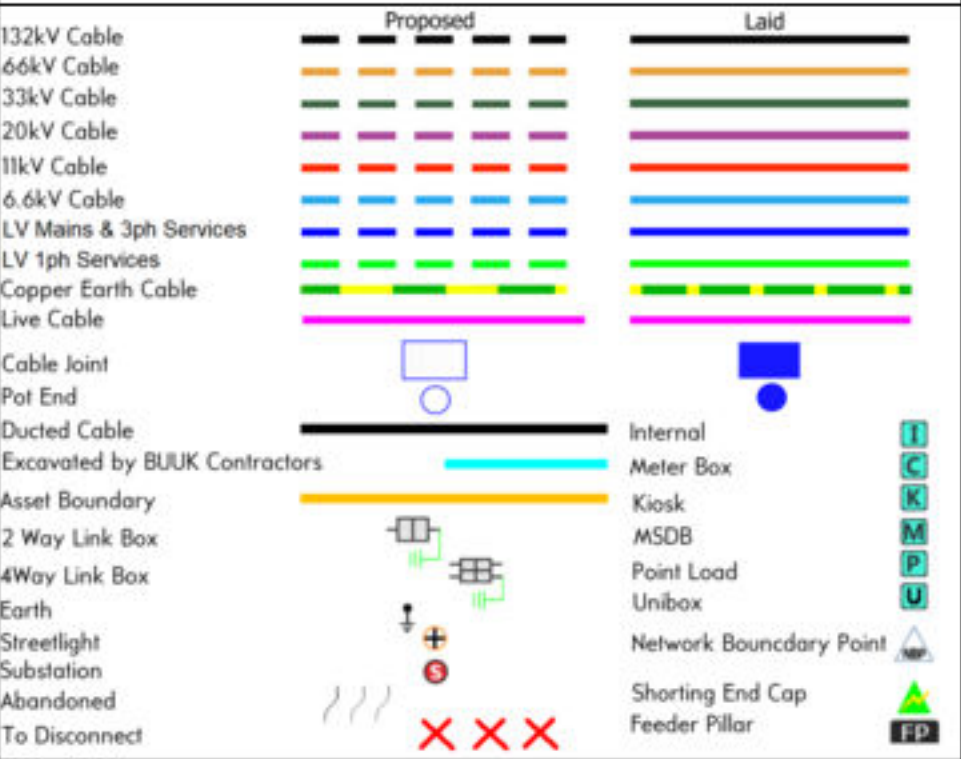
Electric cable	Outside Diameter
Single Phase	38mm
3 Phase LV	150mm
HV	150mm

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.



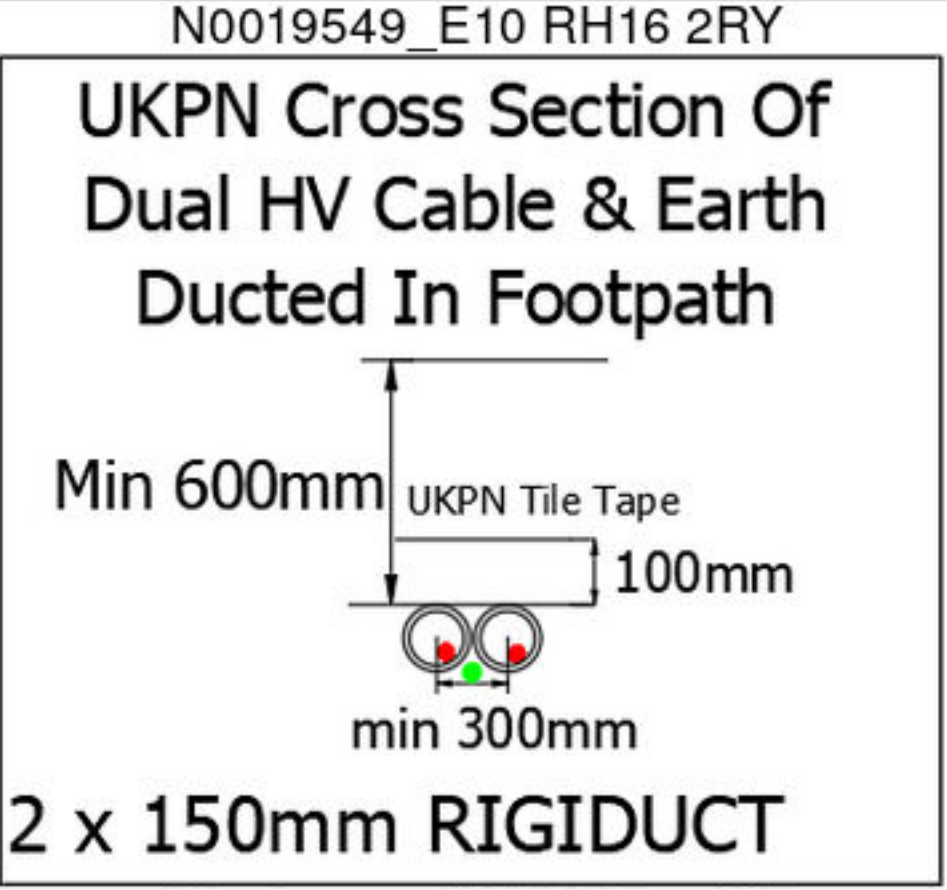
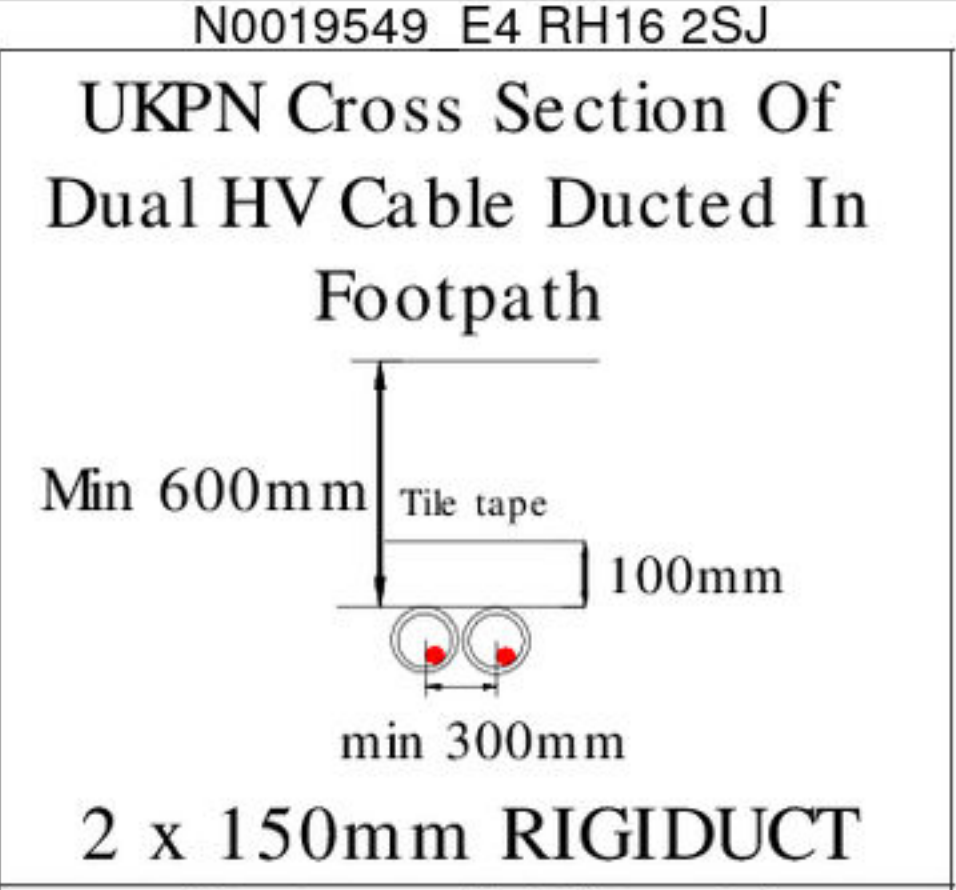
Plan Notes
This plan shows apparatus owned by the BUUK Group. Any third party apparatus indicated on these drawings is shown for indicative purposes only. The information shown on this plan is given without warranty, the accuracy cannot be guaranteed. No liability of any kind whatsoever is accepted by the company. Safe digging practices, in accordance with HSG47, 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.

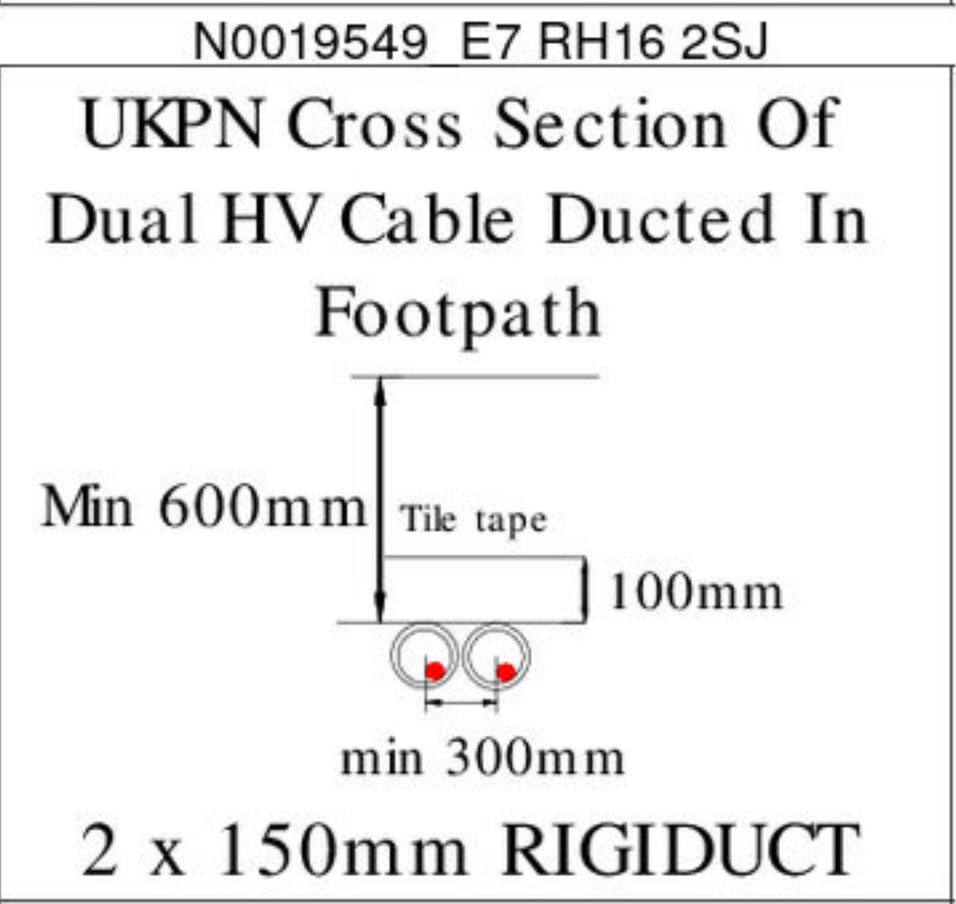
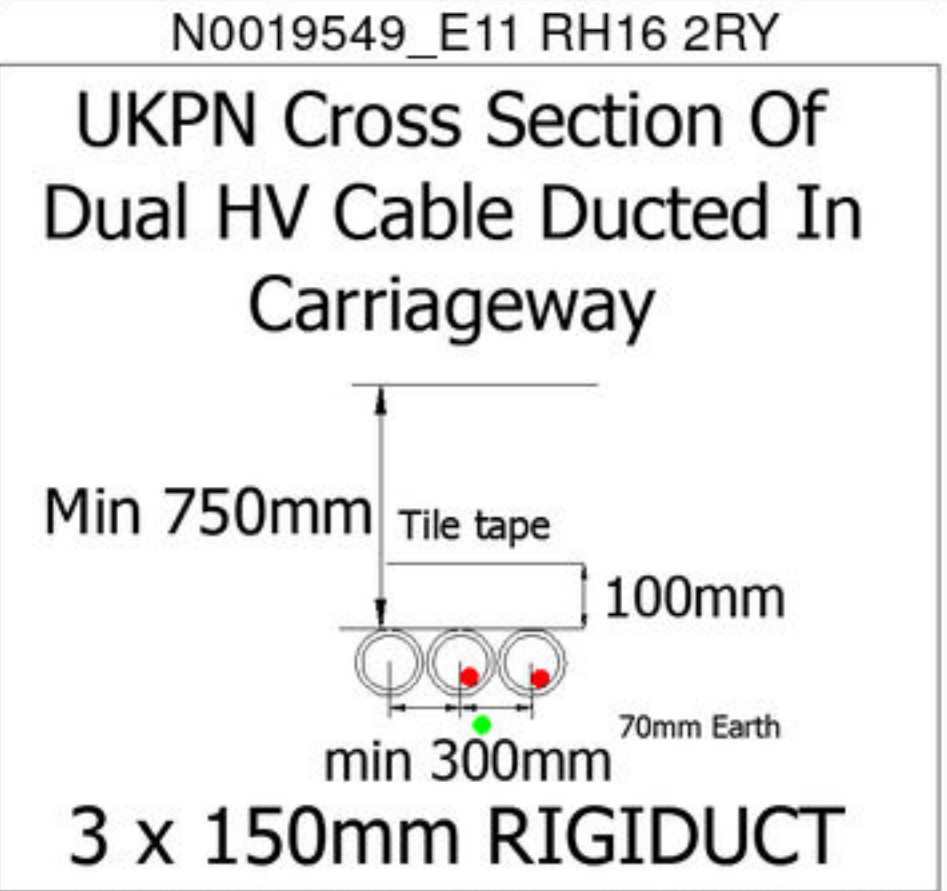
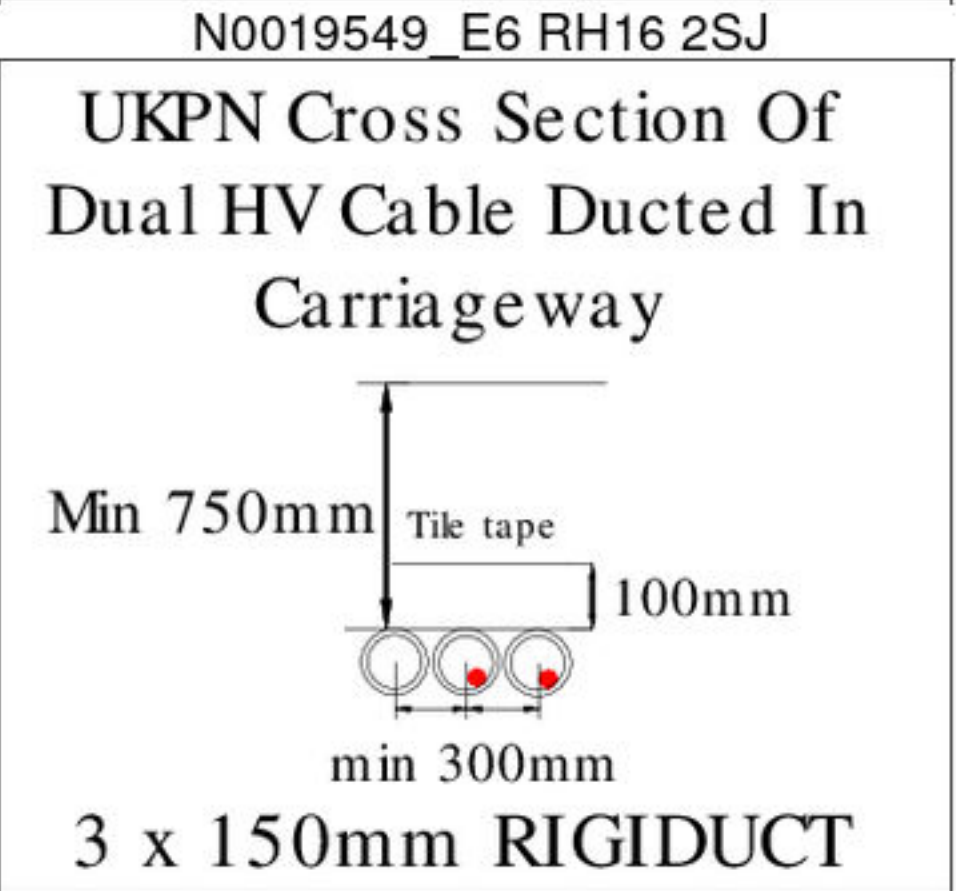
			GTC, Woolpit Business Park, Suffolk, IP30 9UP Tel: 01359 240363 www.gtc-uk.co.uk		
Last Edit By:					
Last Approved By:			JACK MASON 08072024		
Approved					
OS Ref:			535062.124479		
Location:			Land to the East of Gravelye Lane, Lyoth Lane, Lindfield, HAYWARDS HEATH, RH16 2BD		
Developer/Client:			Barratt Homes		
Drawing Number/Title:			EN0014713-1_5_of_6_Rev28-0_Contestable HV		
Network Number:		Project Number:			
N0014713		N0014713-1			
Scale:		Sheet Size:		Revision:	
1:1500		A3		28.0	

N0014713 - Recent revisions			
N0014713/elec		Revision History	
Rev	Comment	Date	Dsg. App.
29.0	Block C LL Supply	02/08/24	JM JM
28.0	Way 3.B Amendment for Primary School	08/07/24	JM JM
27.0	1 x TBS NR 200 service cable amendment	05/07/24	AS AS
26.0	Contestable LV Variation	29/05/24	MS MS
25.0	Amend way 5 connection to primary school.	21/05/24	JD JD
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



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	500
2	185mm	500
3	185mm	315
4	185mm	315

Name: Saffron Close IDNO

Number: DNO_ENC

Ownership: 500

Transformer size (kVA): 4-way

LV cabinet: 50/5

CT ratio: 10A

TLF size (A): Low

Security assess: Low

Environ assess: StandardBrickBuilt

Building type: Steel or GRP

Door type: Soil

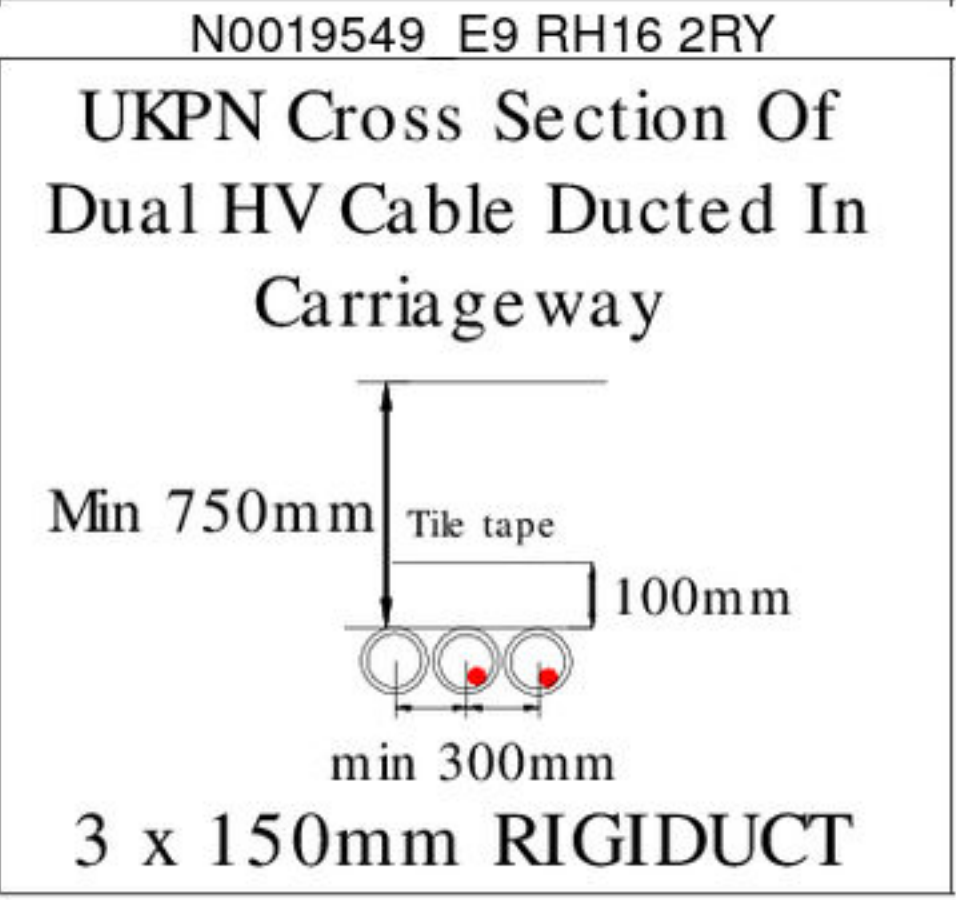
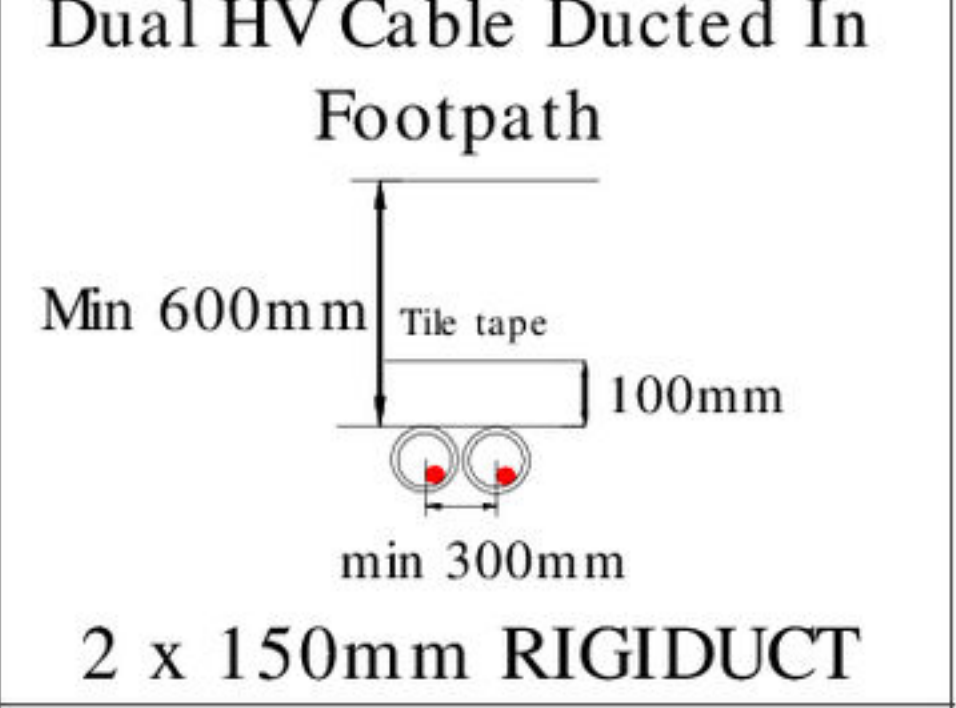
Surface type: Schneider RN2c T1/21

RMU: Intake RMU #1:



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: POC

Number: 216

Ownership: 8200022699

Transformer size (kVA): 11kV

LV cabinet: 4-way

CT ratio: None

TLF size (A): None

Security assess: None

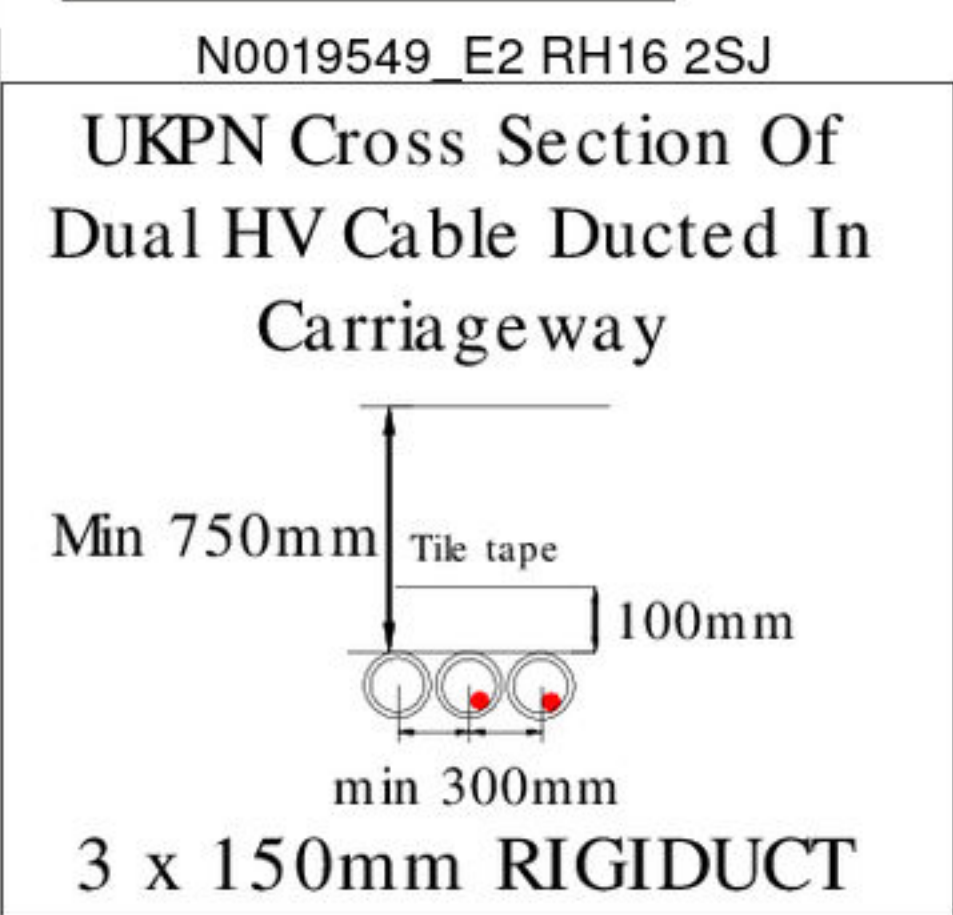
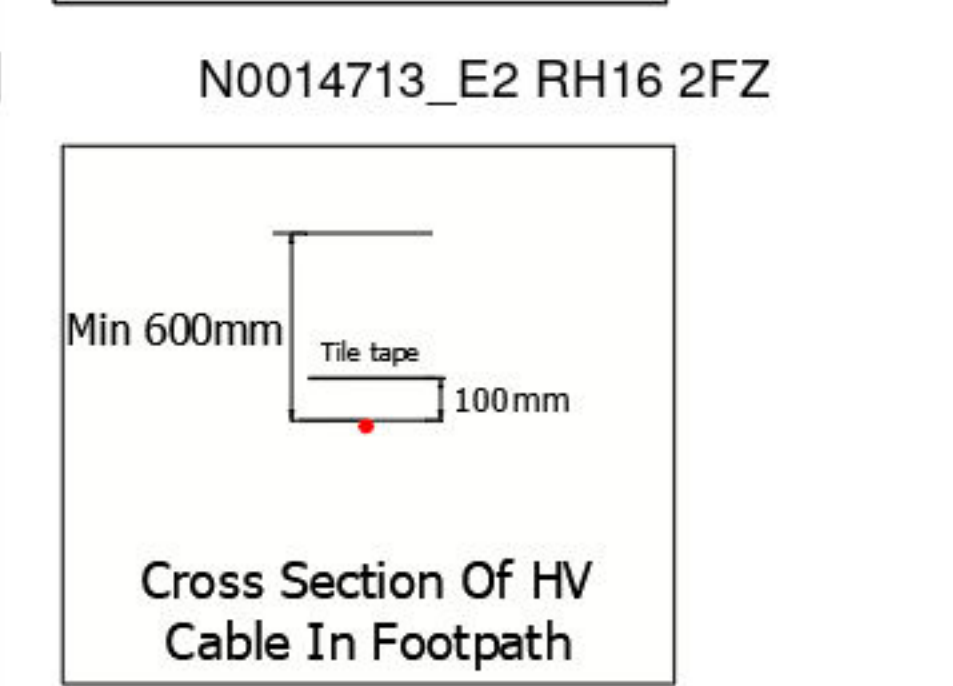
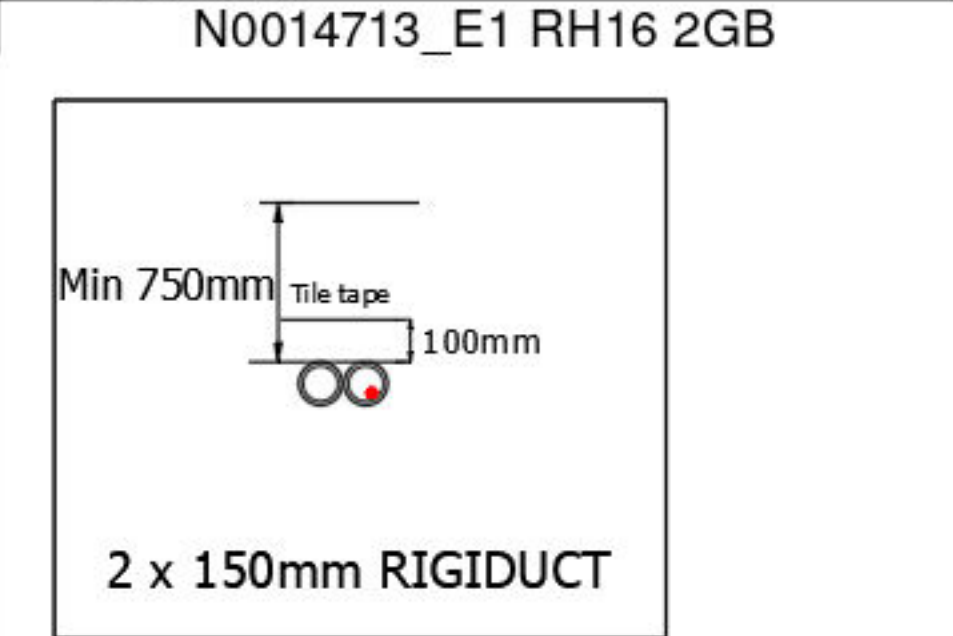
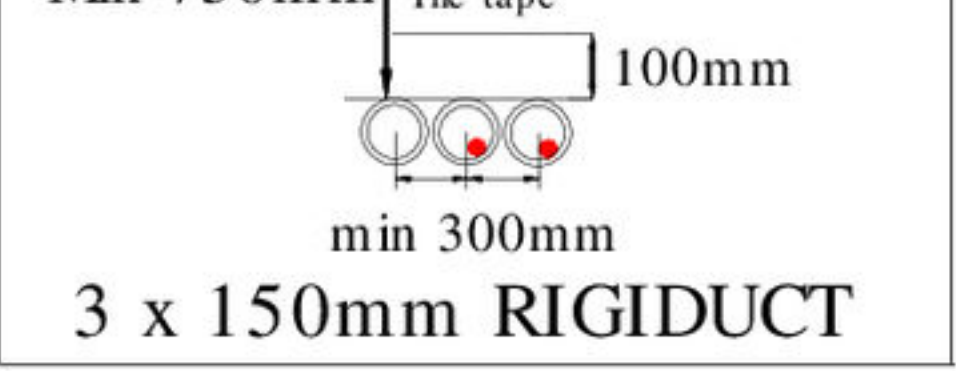
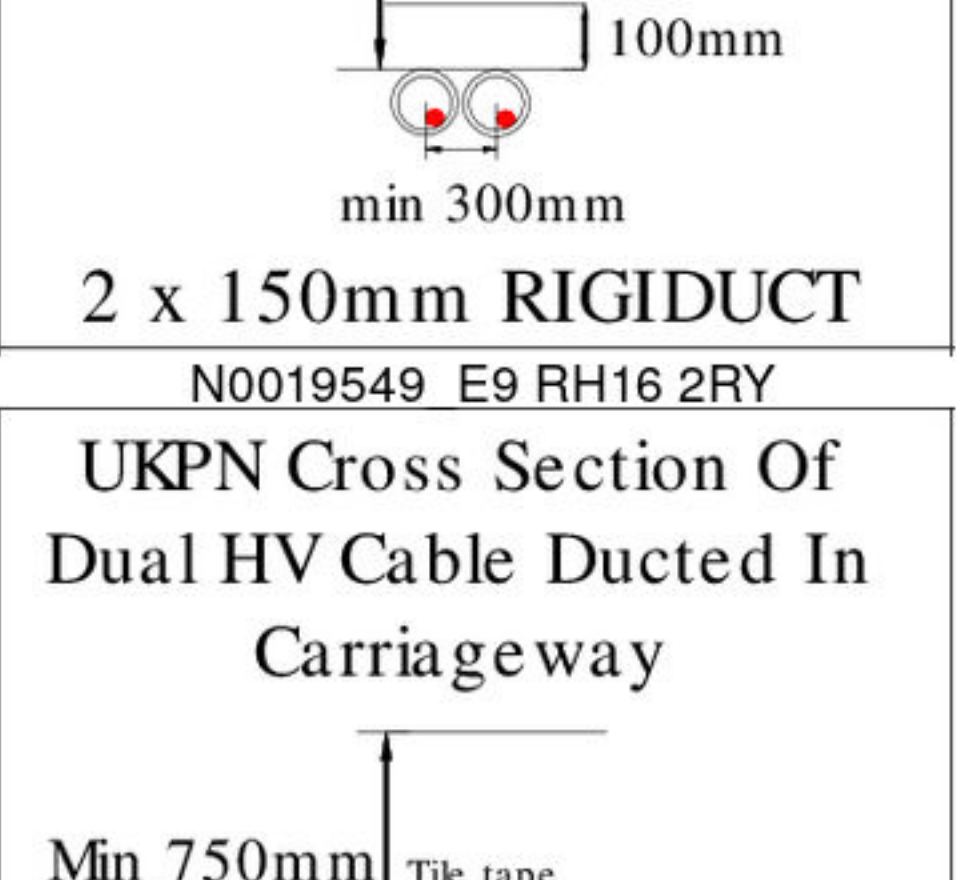
Environ assess: None

Building type: None

Door type: None

Surface type: None

RMU: 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

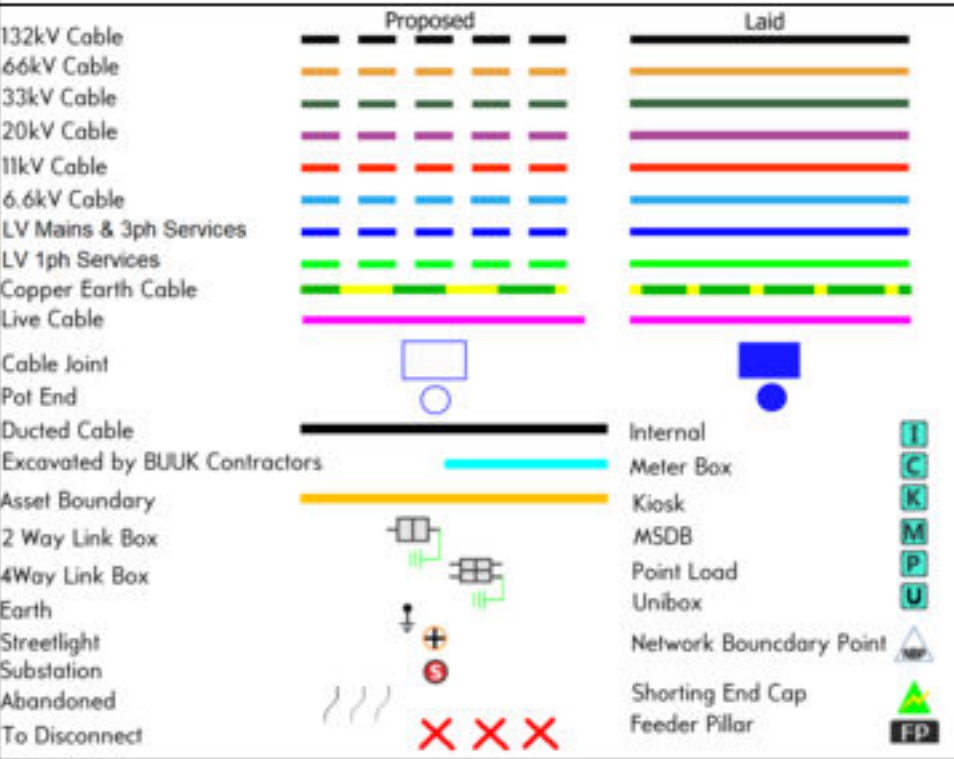
For colour convention mains, the connected phases will be shown as BR, BK, GY Where BR = brown / BK = black / GY = grey.

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 HSG47, 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	
Last Edit By:			
Last Approved By:		JACK MASON 02082024	
Approved			
OS Ref:		535062.124479	
Location:		Land to the East of Gravelye Lane, Lyoth Lane, Lindfield, HAYWARDS HEATH, RH16 2BD	
Developer/Client:			
Barratt Homes			
Drawing Number/Title:			
EN0014713-1_5_of_6_Rev29-0_Contestable			
Network Number:		Project Number:	
N0014713		N0014713-1	
Scale:	Sheet Size:	Revision:	
1:1500	A3	29.0	

