

Please see appendix for stamps

KATIE WADDILOVE 30-01-2025

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 cable / duct. Electric mains and services should have a minimum of 250 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 ducting 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 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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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

**GTC, Woolpit Business Park,
Suffolk,
IP30 9UP**

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

Last Edit By:

Last Approved By: DavidThompson 300120

Custom Print

OS Ref: 523798.226793

Location: North Road, STEVENAGE,
Hertfordshire, SG1 4AH

Developer/Client:

Miller Homes

Drawing Number/Title:
e86080ff-51dc-46b2-b462-6ace08506527.apb

Network Number: N0023457	Project Number: N0023457-1
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Scale: 1:750	Sheet Size: A3	Revision: 65.0
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Metered feeder pill to feed streetlights

Metered feeder pil to feed streetlight

Developer to provide TT earthing,
no earth facility to be provided by GTC

N002345

Metered feeder pills to feed streetlights

Metered feeder pills to feed streetlights

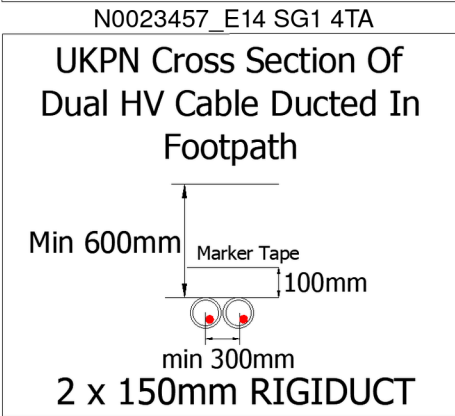
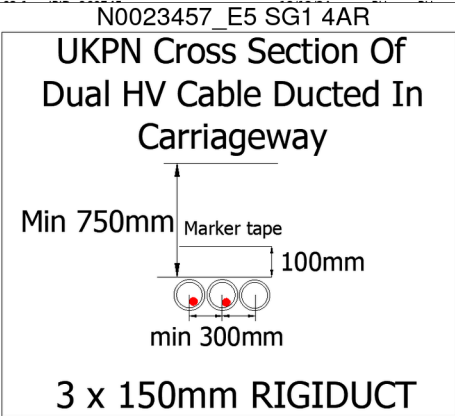
Developer to install
movable board

Metered feeder pills to feed streetlights

Metered feeder pills to feed streetlights

0 9

N0023457 - Recent revisions					N0023457_Sub3_TBC SG1 4AU				
N0023457/elec		Revision History			Substation Details				
Rev	Comment	Date	Dsg.	App.	Way	Cable	Fuse (A)		
65.0	Mains Route Amendment	30/01/25	DT	DT	1	300mm	500		
64.1	As-laid update WR981910 near plot 231 on project N0023457-1	30/01/25	LW	n/a	2	300mm	500		
					3	300mm	315		
					4	300mm	400		
					5	300mm	315		
					6	300mm	400		
64.0	3 x 3 Phase EVCP FPs added to design.	29/01/25	JD	JD					
63.17	As-laid update WR981449 near plot 208 on project N0023457-1	28/01/25	PH	n/a	Name: TBC Number: 3 Ownership: DNO_ENC Transformer size (kVA): 800 LV cabinet: 6-way CT ratio: 100/5 TLF size (A): 7.5A Security assess: Low Environ assess: Low Building type: StandardBrickBuilt Door type: Steel or GRP Target Earth Reading (ohm): 4.77 Surface type: Soil RMU: Schneider RN2c T1/21				
63.16	As-laid update WR985038 near plot 169 on project N0023457-2	27/01/25	PH	PH					
63.15	As-laid update WR977037 near plot 587 on project N0023457-1	27/01/25	AK	n/a					
63.14	(Legacy) 45m of elec mains added 44m of elec mains removed 4 elec ...	24/01/25	SA	n/a					
63.13	LV91469 energise MSDB block 6 P110-120	24/01/25	HG	HG					
63.12	As-laid update WR979116 near plot 164 on project N0023457-2	15/01/25	KH	n/a					
63.11	As-laid update WR981123 near plot [no plot found] on project N00234 ...	15/01/25	KH	KH					
63.10	(Legacy) 22m of elec mains added 22m of elec mains removed 2 elec ...	15/01/25	SA	n/a					
63.9	As-laid update WR981454 near plot [no plot found] on project N00234 ...	14/01/25	AK	AK					
63.8	(Legacy) 31m of elec mains added 31m of elec mains removed 1 elec ...	14/01/25	SA	n/a					
63.7	LV91226 energise MSDB - P73-83 BJ to MSDB	13/01/25	HG	HG					
63.6	As-laid update WR979422 near plot [no plot found] on project N00234 ...	07/01/25	PH	n/a					
63.5	FWR JPID: 962035	02/01/25	KF	KF					
63.4	As-laid update WR976278 near plot 153 on project N0023457-1	23/12/24	VA	VA					
63.3	(Legacy) 7m of elec mains added 7m of elec mains removed	19/12/24	SA	n/a					
63.2	Mains joint amended	19/12/24	CF	CF					



KATIE WADDILOVE 30-01-2025

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Phase Identification

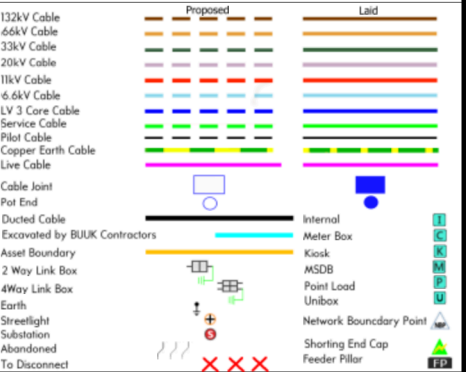
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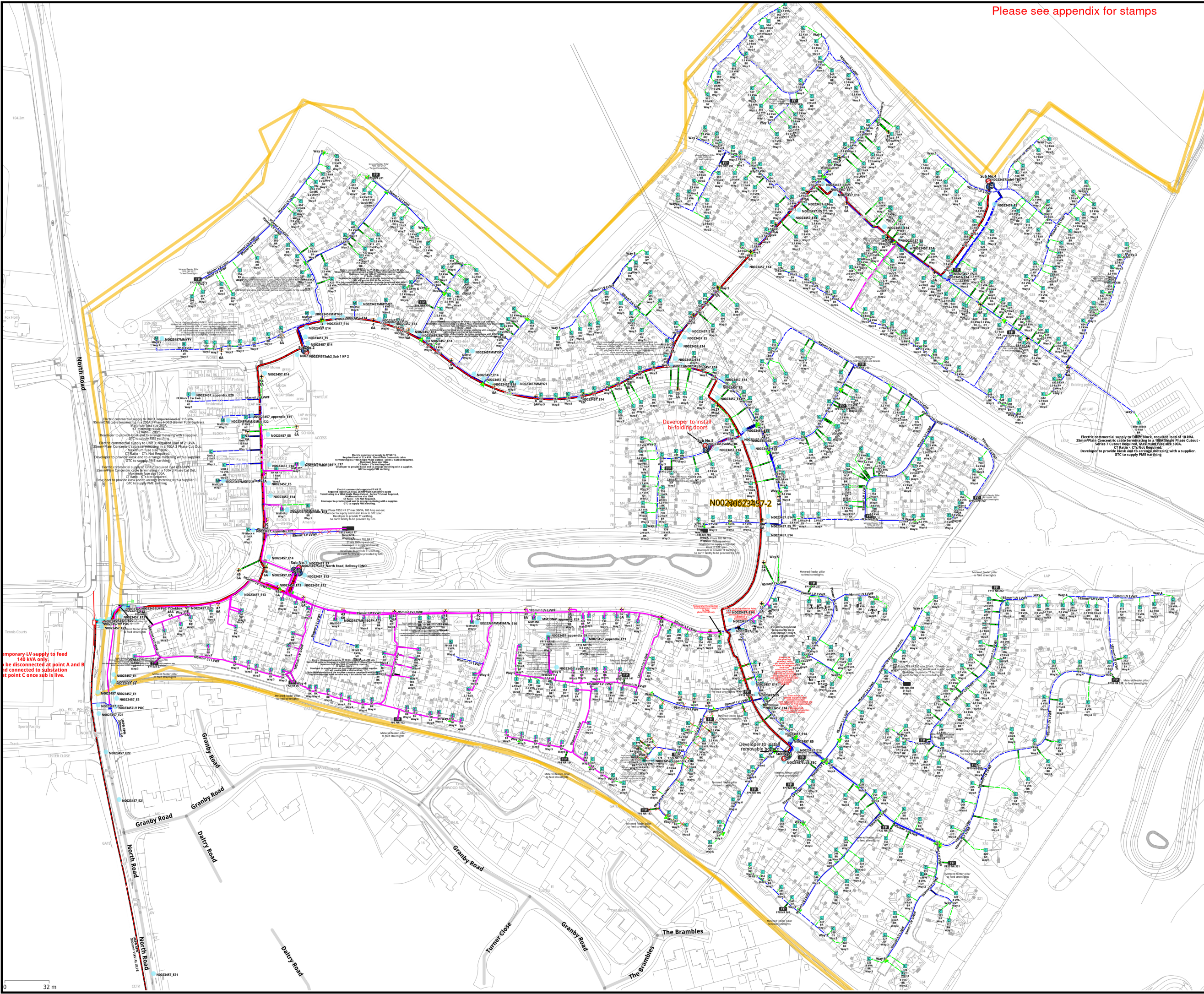
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		GTC, Woolpit Business Park, Suffolk, IP30 9UP Tel: 01359 240363 www.gtc-uk.co.uk	
Last Edit By:			
Last Approved By:		DavidThompson 30012025	
Custom Print			
OS Ref: 523798.226793			
Location: North Road, STEVENAGE, Hertfordshire, SG1 4AH			
Developer/Client: Miller Homes			
Drawing Number/Title: e86080ff-51dc-46b2-b462-6ace08506527_appen			
Network Number: N0023457		Project Number: N0023457-1	
Scale: 1:750	Sheet Size: A3	Revision: 65.0	



Please see appendix for stamps

JAMES PHILLIPS 06-02-2025

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	Proposed	Laid
132kV Cable		
66kV Cable		
33kV Cable		
20kV Cable		
11kV Cable		
6.6kV Cable		
LV 3 Core Cable		
Service Cable		
Pilot Cable		
Copper Earth Cable		
Live Cable		
Cable Joint		
Pat End		
Ducted Cable		
Excavated by BUUK Contractors		
Asset Boundary		
2 Way Link Box		
4 Way Link Box		
Earth		
Streetlight		
Substation		
Abandoned		
Tx Disconnected		
Internal		
Meter Box		
Kiosk		
MSDB		
Point Load		
Unibox		
Network Boundary Point		
Shorting End Cap		
Feeder Pillar		

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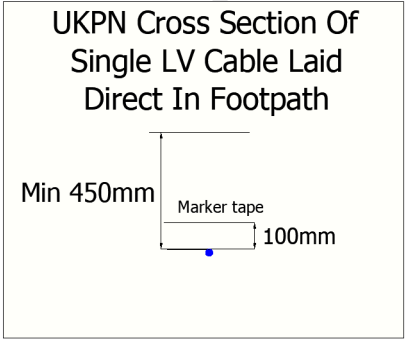
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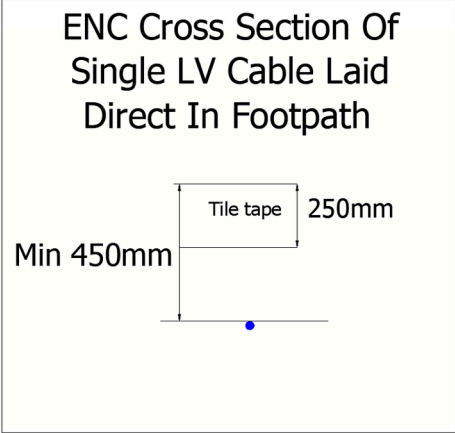
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Last Approved By:		AdamKing 06022025
Custom Print		
OS Ref:		523564.226931
Location:		North Road, STEVENAGE, Hertfordshire, SG1 4AH
Developer/Client:		
Bellway Homes		
Drawing Number/Title:		
60370874-a714-4a7b-9856-f429944c1ef9_app		
Network Number:		Project Number:
N0023457		N0023457-2
Scale:	Sheet Size:	Revision:
1:2500	A3	68.6

N0023457 - Recent revisions				
N0023457/elec		Revision History		
Rev	Comment	Date	Dsg.	App.
68.6	WR977037 - Colin Pearce	06/02/25	AK	AK
68.5	As-laid update WR985199 near plot 232 on project N0023457-1	05/02/25	PH	n/a
68.4	(Legacy) 29m of elec mains added 28m of elec mains removed 4 elec ...	05/02/25	SA	n/a
68.3	WR983084	05/02/25	MV	MV
68.2	As-laid update WR983084 near plot 731 on project N0023457-1	05/02/25	MV	n/a
68.1	As-laid update WR982757 near plot 481 on project N0023457-2	04/02/25	PH	n/a
68.0	14 x FP	03/02/25	AS	AS
67.0	Feeder Pillar Load Amendment	03/02/25	JD	JD
66.0	Elec Variation for Temp LV connection for plots 219-243 BC 31.1.25	31/01/25	JD	JD
65.0	Mains Route Amendment	30/01/25	DT	DT
64.1	As-laid update WR981910 near plot 231 on project N0023457-1	30/01/25	LW	n/a
64.0	3 x 3 Phase EVCP FPs added to design.	29/01/25	JD	JD
63.17	As-laid update WR981449 near plot 208 on project N0023457-1	28/01/25	PH	n/a
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63.15	As-laid update WR977037 near plot 587 on project N0023457-1	27/01/25	AK	n/a
63.14	(Legacy) 45m of elec mains added 44m of elec mains removed 4 elec ...	24/01/25	SA	n/a
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63.12	As-laid update WR979116 near plot 164 on project N0023457-2	15/01/25	KH	n/a
63.11	As-laid update WR981123 near plot [no plot found] on project N00234 ...	15/01/25	KH	KH
63.10	(Legacy) 22m of elec mains added 22m of elec mains removed 2 elec ...	15/01/25	SA	n/a

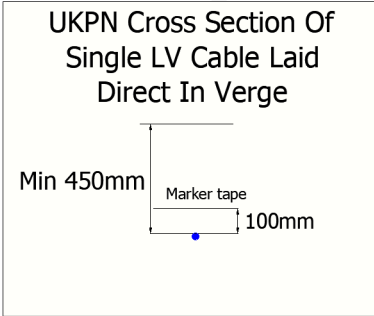
N0023457_E1 SG1 4BB



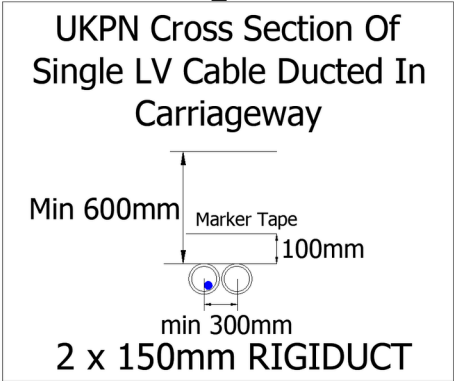
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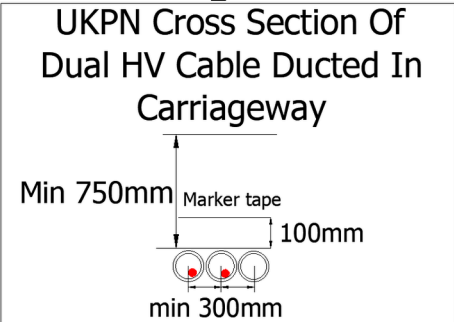
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N0023457_E4 SG1 4BB



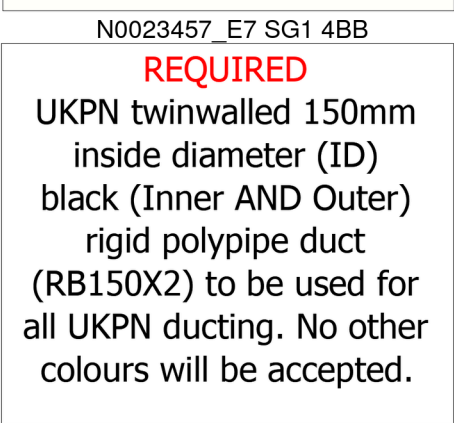
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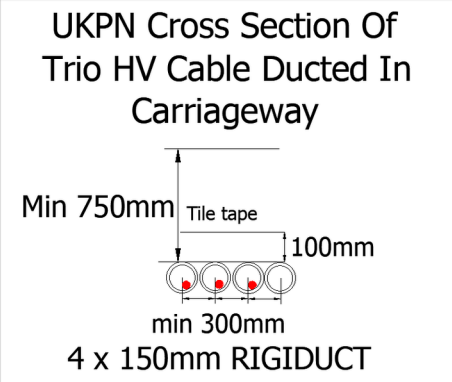
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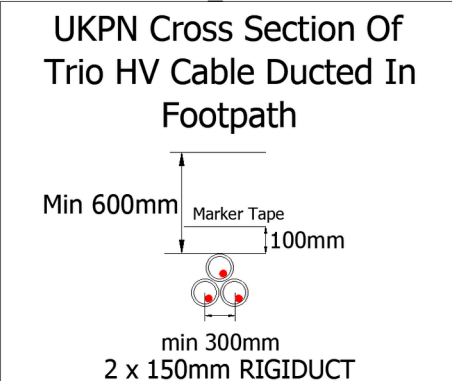
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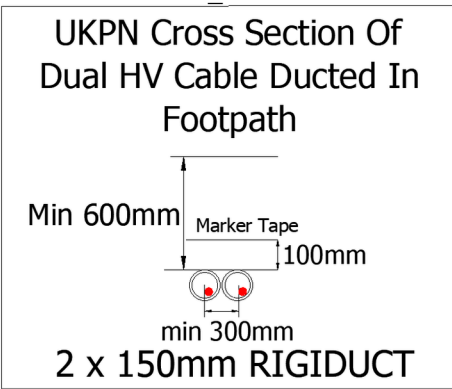
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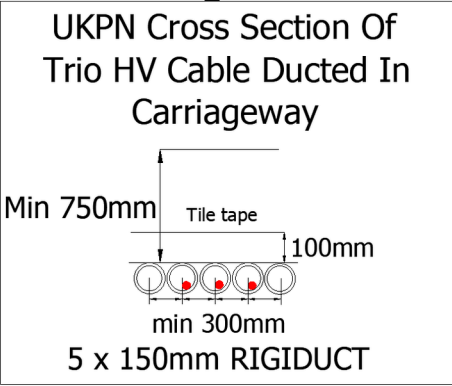
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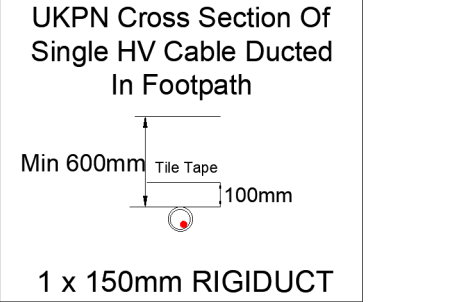
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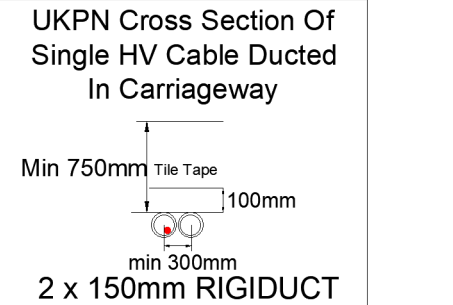
N0023457_E20 SG1 4BB



N0023457_E21 SG1 4BB



N0023457_E22 SG1 4BB



N0023457_Sub1 North Road, Bellway IDNO SG1 4TA

Substation Details		
Way	Cable	Fuse (A)
1	185mm	500
2	300mm	500
3	300mm	355
4	300mm	315
5	300mm	255
6	300mm	500
7	300mm	500
8	185mm	400

Name:	North Road, Bellway IDNO
Number:	1
Ownership:	DNO_ENC
Transformer size (kVA):	800
LV cabinet:	6-way
CT ratio:	100/5
TLF size (A):	7.5A
Security assess:	Low
Environ assess:	Low
Building type:	SingleIntakeSubstation
Door type:	Steel or GRP
Target Earth Reading (ohm):	4.23
Surface type:	Soil
REMSDAQ/Callisto:	Required
RMU:	Lucy VRN2a T1/21

N0023457_Sub4_TBC SG1 4TB

Substation Details		
Way	Cable	Fuse (A)
1	300mm	255
2	300mm	315
3	300mm	355
4	300mm	500

Name:	TBC
Number:	4
Ownership:	DNO_ENC
Transformer size (kVA):	800
LV cabinet:	6-way
CT ratio:	100/5
TLF size (A):	7.5A
Security assess:	Low
Environ assess:	Low
Building type:	StandardBrickBuilt
Door type:	Steel or GRP
Target Earth Reading (ohm):	4.77
Surface type:	Soil
RMU:	Schneider RN2d T1/21

N0023457_Sub5_TBC SG1 4TB

Substation Details		
Way	Cable	Fuse (A)
1	300mm	500
2	300mm	500
3	300mm	315
4	300mm	315
5	300mm	315

Name:	TBC
Number:	5
Ownership:	DNO_ENC
Transformer size (kVA):	800
LV cabinet:	6-way
CT ratio:	100/5
TLF size (A):	7.5A
Security assess:	Low
Environ assess:	Low
Building type:	StandardBrickBuilt
Door type:	Steel
Target Earth Reading (ohm):	4.77
Surface type:	Soil
RMU:	Schneider RN2d T1/21

N0023457_Sub2_Sub 1 KP 2 SG1 4TA

Substation Details		
Way	Cable	Fuse (A)
1	300mm	500
2	300mm	500
3	300mm	500
4	300mm	500
5	300mm	500
6	300mm	315
7	300mm	315

Name:	Sub 1 KP 2
Number:	2
Ownership:	DNO_ENC
Transformer size (kVA):	800
LV cabinet:	7-way
CT ratio:	100/5
TLF size (A):	7.5A
Security assess:	Low
Environ assess:	Low
Building type:	StandardBrickBuilt
Door type:	Steel or GRP
Target Earth Reading (ohm):	4.77
Surface type:	Soil
RMU:	Schneider RN2c T1/21

N0023457_LV PoC 1 Linkbox SG1 4BB

Linkbox Details	
Owned by:	UKPN EPN
Volt drop (%):	3.21
ELI: (mΩ)	117.9
Fuse size (A):	250

N0023457_HV POC 1 SG1 4BB

POC Details	
Name:	HV POC 1
Capacity (kVA):	2437
DNO ref:	8200050909
Voltage:	11kV
Volt drop (%):	None
ELI: (mΩ)	None
Conn type:	Straight joint

N0023457_LV POC SG1 4BB

POC Details	
Name:	LV POC
Capacity (kVA):	140
DNO ref:	8200055352
Voltage:	LV
Volt drop (%):	3.21
ELI: (mΩ)	9.0
Conn type:	Branch joint

N0023457_MMY5Q SG1 4TA

MSDB Details		
Plot	MMY5Q	Floor
Phase		
424		
425		
426		
427		
428		
429		
430		
431		
432		
433		
434		
435		

N0023457_MM161N SG1 4TA

MSDB Details		
Plot	MM161N	J1
Phase		Floor
114	BK	
LL 110-120	GY	
118	GY	
111	BR	
116	GY	
110	BR	
120	BK	
113	BK	
115	BK	
112	BR	
119	BR	
117	GY	

N0023457_MM12UY SG1 4BB

MSDB Details		
Plot	MM12UY	J1
Phase		Floor
47		2
48		2
49		2
50		2
51		2
52		2
35		0
36		0
37		0
38		0
39		1
40		1
41		1
42		1
43		1
44		1
45		1
46		1
53		2
54		2
LL 34-54	GY,BR,BK	0
34		0

N0023457_MM12UU SG1 4BB

MSDB Details		
Plot	MM12UU	J1
Phase		Floor
1		1
2		1
3		1
4		1
5		1
6		1
7		2
8		2
9		2
10		2
LL 1-10	GY,BR,BK	0

N0023457_MMYFY SG1 4AH

MSDB Details		
Plot	MMYFY	Floor
Phase		
359		
360		
361		
362		
363		
364		
365		
366		
367		
368		
369		

N0023457_MMY5T SG1 4TA

MSDB Details		
Plot	MMY5T	Floor
Phase		
453		
454		
455		
456		
457		
458		
459		
460		
461		
462		
463		
464		

N0023457_MMYG0 SG1 4AH

MSDB Details		
Plot	MMYG0	Floor
Phase		
377		
378		
379		
380		
381		
382		
383		
384		
385		
386		
387		
388		

JAMES PHILLIPS 06-02-2025

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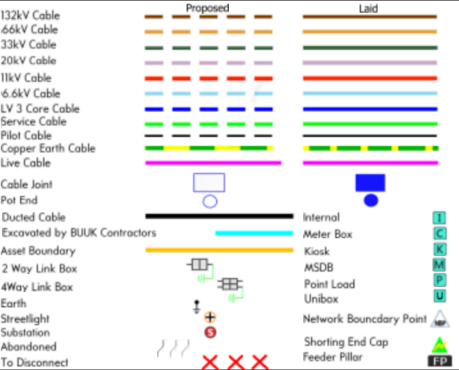
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Excavation Carried Out by BUUK

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:			AdamKing 06022025		
Custom Print					
OS Ref:			523564.226931		
Location:			North Road, STEVENAGE, Hertfordshire, SG1 4AH		
Developer/Client:					
Bellway Homes					
Drawing Number/Title:					
60370874-a714-4a7b-9856-f429944c1ef9_app					
Network Number:			Project Number:		
N0023457			N0023457-2		
Scale:		Sheet Size:		Revision:	
1:2500		A3		68.6	

N0023457_MMYG1 SG1 4TA		
MSDB Details	MMYG1	
Plot	Phase	Floor
469	BK	0
470		
471		
472		
473		
474		
475		
476		
477		
478		
479		
480		

N0023457_MM15GP SG1 4TA		
MSDB Details	MM15GP	J1
Plot	Phase	Floor
76	BK	0
77	BR	1
78	GY	1
73	BK	0
74	BR	0
75	BR	0
81	BK	2
83	BR	2
82	GY	2
LL 73-83	GY,BR,BK	0
79	BK	1
80	BR	1

N0023457_MM14AU SG1 4TA		
MSDB Details	MM14AU	J1
Plot	Phase	Floor
31	GY	
24	BK	
26	BR	
27	BK	
30	BK	
25	GY	
32	BR	
LL 23-33	GY,BR,BK	
33	BK	
29	BR	
28	GY	
23	BR	

MM13N6 SG1 4TB		
MSDB Details	MM13N6	J1
Plot	Phase	Floor
LL 123-133	GY,BR,BK	0
133	BK	2
132	BR	2
131	GY	2
123	BR	0
129	BR	1
130	BK	1
125	GY	0
127	BK	1
128	GY	1
124	BK	0
126	BR	0

N0023457_MM13PP SG1 4TA		
MSDB Details	MM13PP	J1
Plot	Phase	Floor
LL 11-22	GY,BR,BK	0
22	GY	2
20	GY	2
19	GY	2
17	BK	1
11	BR	0
18	BK	1
15	BK	1
13	BR	0
12	BR	0
16	BK	1
14	BR	0
21	GY	2

N0023457_Sub3_TBC SG1 4AU		
Substation Details		
Way	Cable	Fuse (A)
1	300mm	500
2	300mm	500
3	300mm	315
4	300mm	400
5	300mm	400
6	300mm	400
Name:	TBC	
Number:	3	
Ownership:	DNO_ENC	
Transformer size (kVA):	800	
LV cabinet:	6-way	
CT ratio:	100/5	
TLF size (A):	7.5A	
Security assess:	Low	
Environ assess:	Low	
Building type:	StandardBrickBuilt	
Door type:	Steel or GRP	
Target Earth Reading (ohm):	4.77	
Surface type:	Soil	
RMU:	Schneider RN2c T1/21	

JAMES PHILLIPS 06-02-2025

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 duting complian 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.

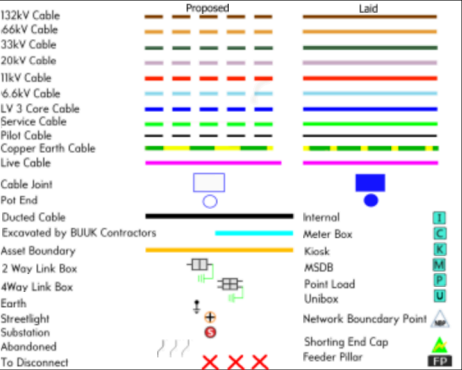
Electric cable	Outside Diameter
Single Phase	38mm
3 Phase LV	150mm
HV	150mm

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
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Revision Notes
For a revision history of this network design please see seperate 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:	AdamKing 06022025
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Custom Print

OS Ref:	523564.226931
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Location:	North Road, STEVENAGE, Hertfordshire, SG1 4AH
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Developer/Client:	Bellway Homes
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Drawing Number/Title:	60370874-a714-4a7b-9856-f429944c1ef9_appen
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Network Number:	Project Number:
N0023457	N0023457-2

Scale:	Sheet Size:	Revision:
1:2500	A3	68.6



Openreach Structures

Joint Box

Manhole

Pole

Pole (planned)

Duct Tee

Reducer

Cabinet

Openreach Spans / Ducts

Duct

Duct (planned)

Developer-Proposed Structures

Change Of State

Duct Tee

Joint Box

Reducer

Developer-Proposed Spans / Ducts

D54 (90mm duct)

D54 (90mm duct) (2 colours)

D56 (50mm duct)

Developer-Proposed Equipment

AGG

CBT12

CBT4

CBT8

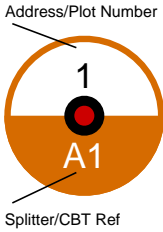
FDP12

IJ (B)

SPLITTER (B)

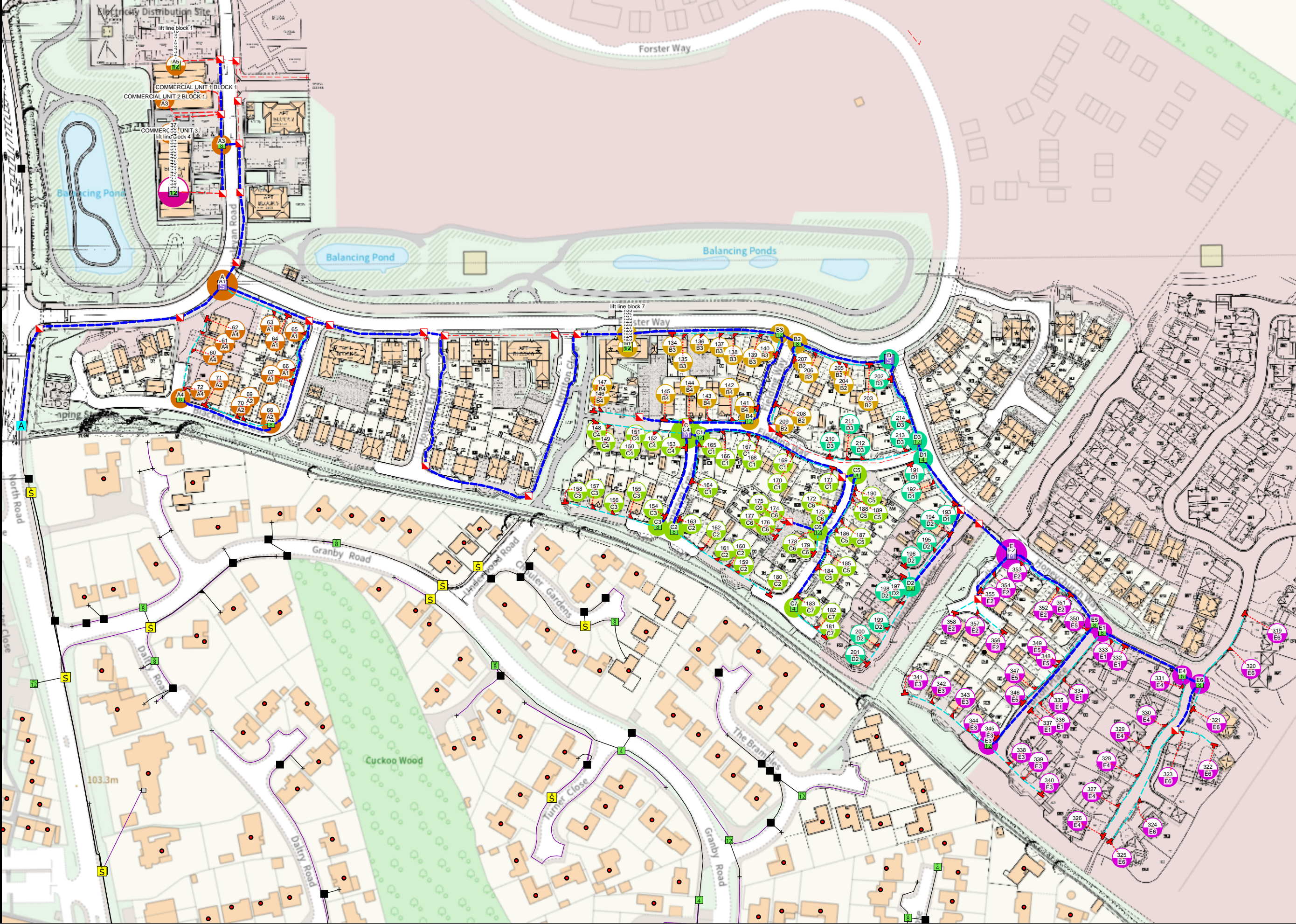
SPLITTER (M)

SPLITTER (S)



DSI-North Road,
Stevenage,North
Road,Stevenage,SG1
4AH

50m



Plant On Map

Work Order Name: SRX_SRX/01D

Proposal: OPENREACH FIBRE NETWORK

Self-Install: Yes

Remarks: Dummy aggnode placed

Important Notice - BT's joint boxes (JB and JUF) must be constructed in non carriageway situations only. If there is any deviation from this please contact your newSite Representative before work commences

Exchange Area: SRX
Planned By: Ghost User12154
NSI: SRX/01D
Onsite Project ID: I3C42
Grid Ref: 523582226789
Date: 16/10/2025 17:53:51

Openreach Structures

Joint Box

Manhole

Pole

Pole (planned)

Duct Tee

Reducer

Cabinet

Openreach Spans / Ducts

Duct

Duct (planned)

Developer-Proposed Structures

Duct Tee

Joint Box

Reducer

Developer-Proposed Spans / Ducts

D54 (90mm duct)

D54 (90mm duct) (2 colours)

D56 (50mm duct) (2 colours)

Developer-Proposed Equipment

AGG

CBT12

CBT4

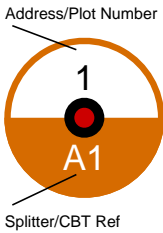
CBT8

FDP12

IJ (B)

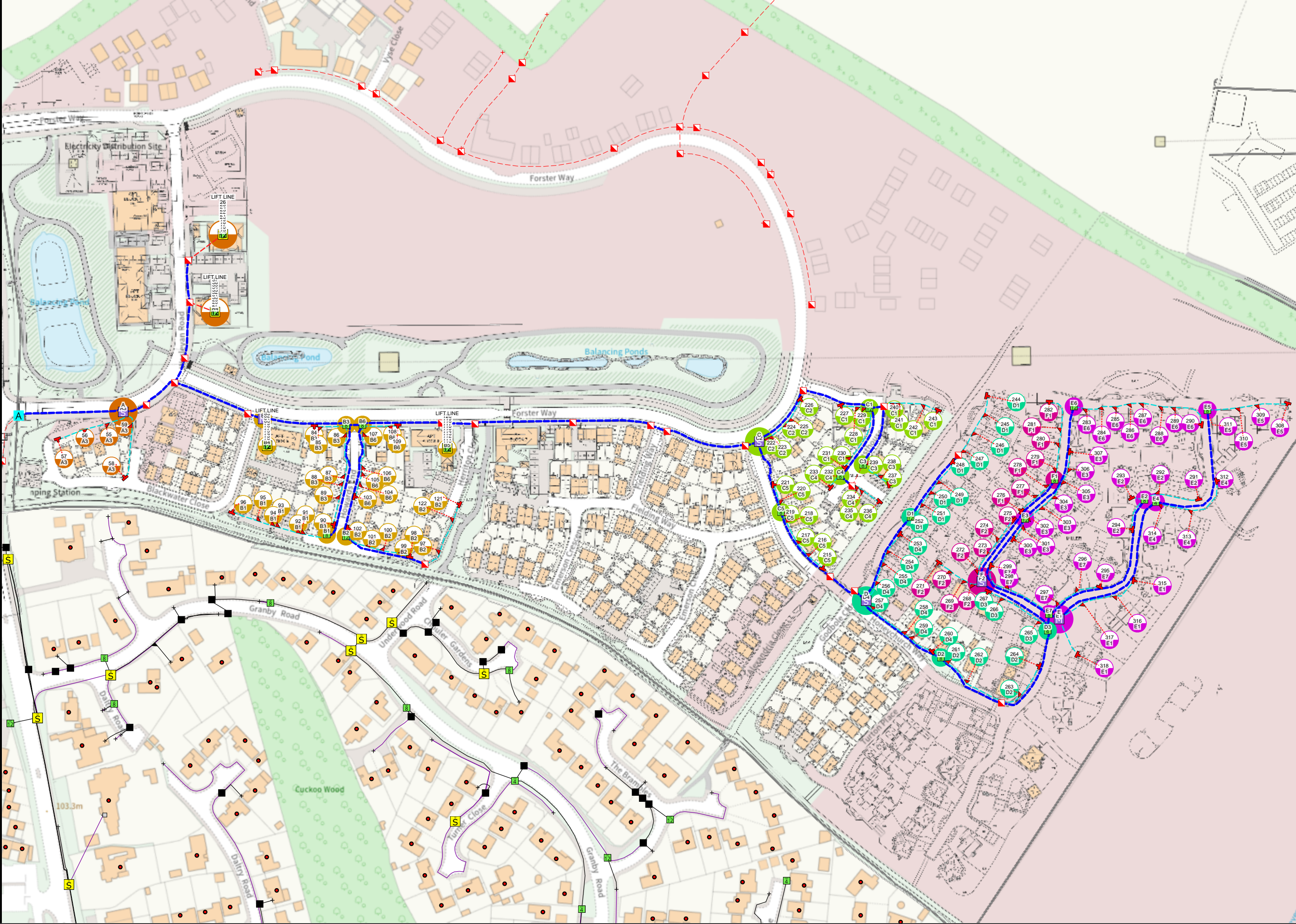
SPLITTER (M)

SPLITTER (S)



DSI-North Road, Stevenage 2, NORTH ROAD, STEVENAGE, SG1 4AH

50m



Plant On Map

Work Order Name: SMSX_SRX_SRX/01T

Proposal: OPENREACH FIBRE NETWORK

Self-Install: Yes

Remarks: DUMMY AGG NODE PLACED

Important Notice - BT's joint boxes (JB and JUF) must be constructed in non carriageway situations only. If there is any deviation from this please contact your newSite Representative before work commences

Exchange Area: SRX
Planned By: Priyanka Singh
NSI: SRX/01T
Onsite Project ID: I5BDT
Grid Ref: 523595226832
Date: 16/10/2025 17:57:50

Openreach Structures

Joint Box

Manhole

Pole

Pole (planned)

Duct Tee

Reducer

Cabinet

Openreach Spans / Ducts

Duct

Duct (planned)

Developer-Proposed Structures

Duct Tee

Joint Box

Reducer

Developer-Proposed Spans / Ducts

D54 (90mm duct)

D54 (90mm duct) (2 colours)

D56 (50mm duct)

Developer-Proposed Equipment

AGG

CBT12

CBT4

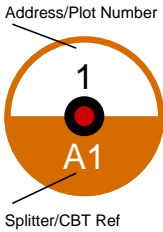
CBT8

FDP12

IJ (B)

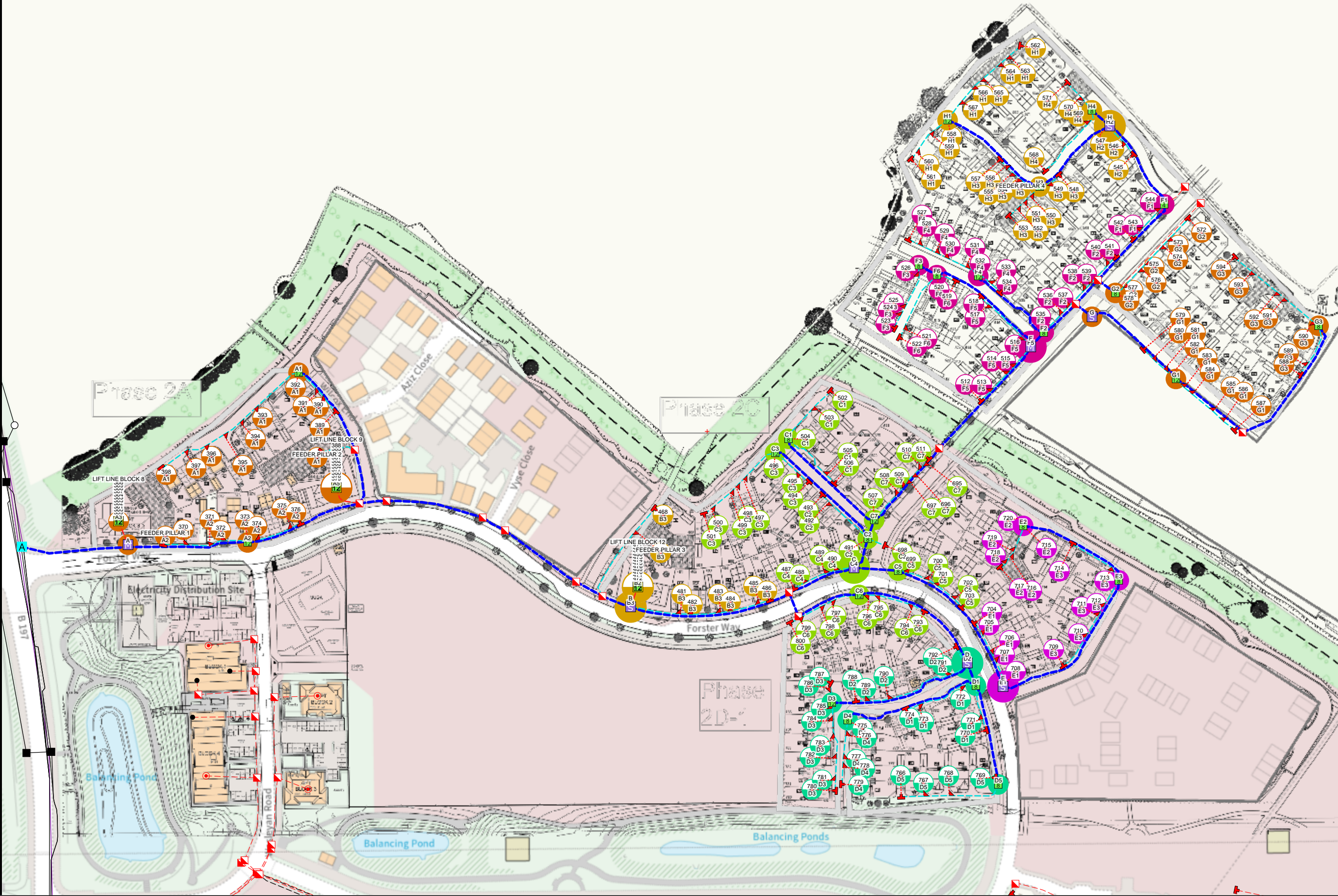
SPLITTER (M)

SPLITTER (S)



New Site - Non DSI
- Forster Park, North
Road, Stevenage SG1
4BB

50m



Plant On Map

Work Order Name: SMSX_SRX_SRX/03H

Proposal: OPENREACH FIBRE NETWORK

Self-Install: No

Important Notice - BT's joint boxes (JB and JUF) must be constructed in non carriageway situations only. If there is any deviation from this please contact your newSite Representative before work commences

Exchange Area: SRX
Planned By: Lauren Beswick
NSI: SRX/03H
Onsite Project ID: K8288
Grid Ref: 523585227055
Date: 16/10/2025 18:08:59

Openreach Structures

Joint Box

Manhole

Pole

Pole (planned)

Duct Tee

Reducer

Cabinet

Openreach Spans / Ducts

Duct

Duct (planned)

Developer-Proposed Structures

Duct Tee

Joint Box

Reducer

Developer-Proposed Spans / Ducts

D54 (90mm duct)

D54 (90mm duct) (2 colours)

D56 (50mm duct)

Developer-Proposed Equipment

AGG

CBT12

CBT4

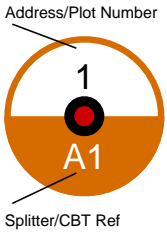
CBT8

FDP12

IJ (B)

SPLITTER (M)

SPLITTER (S)



Forster Park phase 2,North road,Steve-nage,SG1 4AH

50m



Plant On Map

Work Order Name: SMSX_SRX_SRX/02T

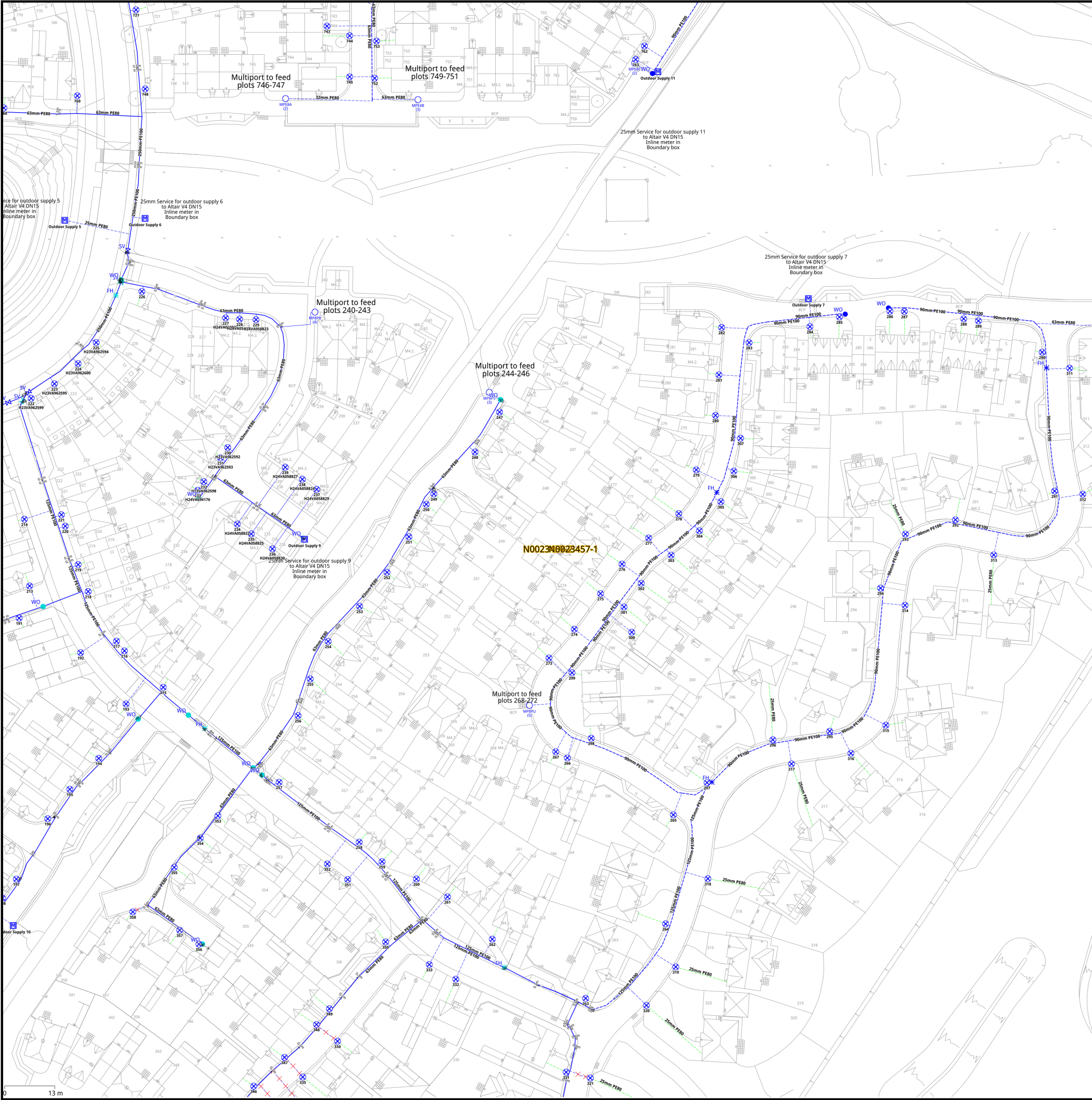
Proposal: OPENREACH FIBRE NETWORK

Self-Install: No

Remarks: DUMMY AGGNODE PLACED

Important Notice - BT's joint boxes (JB and JUF) must be constructed in non carriageway situations only. If there is any deviation from this please contact your newSite Representative before work commences

Exchange Area: SRX
Planned By: Ghost User114660
NSI: SRX/02T
Onsite Project ID: JZIZ2
Grid Ref: 523585227057
Date: 16/10/2025 18:03:53



N0023457 - Recent revisions

N0023457/water_potab		Revision History		
Rev	Comment	Date	Dsg.	App.
30.0	Mains Amendment	30/01/25	I	I
29.5	As-laid update WR981910 near plot 231 on project N0023457-1	30/01/25	LW	n/a
29.4	As-laid update WR985038 near plot 169 on project N0023457-2	27/01/25	PH	PH
29.3	As-laid update WR977037 near plot 587 on project N0023457-1	27/01/25	AK	n/a
29.2	(Legacy) 13m of potable water pipes added	24/01/25	SA	n/a
29.1	As-laid update WR981462 near plot 140 on project N0023457-1	23/01/25	BW	n/a
29.0	Main removed at 226	20/01/25	CC	CC
28.1	As-laid update WR979109 near plot 175 on project N0023457-2	17/01/25	BW	BW
28.0	DNS removed	16/01/25	CC	CC
27.1	(Legacy) 28m of potable water pipes added	16/01/25	SA	n/a
27.0	Communication pipe for BS 73-83 moved	16/12/24	BN	BN
26.4	As-laid update WR972411 near plot 227 on project N0023457-1	16/12/24	JC	n/a
26.3	As-laid update WR972180 near plot [no plot found] on project N00234 ...	10/12/24	BW	n/a
26.2	As-laid update WR970400 near plot 421 on project N0023457-1	09/12/24	LW	n/a
26.1	mains amended O/S plot 411 N0023457-1	18/11/24	MB	MB
26.0	DNS Polygon Amended	18/11/24	BN	BN
25.4	water mains amended	18/11/24	MB	MB
25.3	As-laid update WR970142 near plot 88 on project N0023457-2	15/11/24	AK	n/a
25.2	(Legacy) 3m of potable water pipes added	13/11/24	SA	n/a
25.1	(Legacy) 60m of potable water pipes added	13/11/24	SA	n/a

N0023457 E19 SG1 4AU

CAUTION NOTE

A watching brief should be maintained for any undiscovered visual/olfactory signs of contamination.
Should these be identified, an additional assessment will be required by IWNIL.

N0023457 E20 SG1 4AU

CAUTION NOTE

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Should these be identified, an additional assessment will be required by IWNIL.

KATIE WADDILOVE 30-01-2025

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

Potable Water Notes
All mains and services must be laid using an approved PE or PE Barrier pipe. When using PE Barrier pipe all joints & fittings must be wrapped in accordance with manufacturers instruction to prevent ingress of contamination into the water pipes. Underground meter boxes must be installed using female iron couplings. All mains & services (other than 32mm/25mm services) must be installed by IWNIL approved personnel only, and mains installed by non-approved personnel will not comply with water / HSE regulations and will need to be replaced. All external pipes and internal plumbing must comply with the Water Supply (Water Fittings) Regulations 1999 Schedule 2 and the Water Supply (Water Quality) Regulations 2001. Confirm with the designer before ordering.

PE & Barrier Pipe Specification
Up to and including 63mm PE80 (MDPE), SDR11
90mm up to 315mm PR100 (HPPE) SDR17.6

Ducting Specification
All ducting should be supplied and installed in accordance with BS4962 is a suitable standard for plastic ducting.

- Ducting can only be used for perpendicular carriageway crossings.
- Only one pipe is allowed per duct.
- For service pipe that duct must be blue and perforated along it's entire length.

Duct Sizes

Water Pipe External Diameter	Duct Inside Diameter
25mm & 32mm	50mm
63mm	100mm
90mm	150mm
110mm & 125mm	200mm
160mm & 180mm	300mm
225mm, 250mm & 315mm	400mm

All pipes, fittings and valves must meet technical specifications:
BS437 - 1984; BS5572 - 1995; BS5306:Part 2 - 1990;
WIS 4-24-01 - 1998; WIS 4-32-06 - Issue 3; April 2002;
WIS 4-32-14 - 1995; WIS 4-32-15 - 1995; WIS 4-32-17 - Issue 2 - 2001;
DIN8074 - 1999; DIN8075 - 1999; DIN16963 Part 1 - 1980;
ISO 4427 - 1996; BS EN 12201; BS EN 13224; UNI 19010:2001
Contaminated Ground Conditions
Should the land on which the development is taking place to be contaminated, all underground pipes and fittings installed in conjunction with water mains and service connection will need to be of suitable material to meet the manufacturers specifications which are not adversely affected by the geotechnical conditions. The developer will ensure that the service pipe material and fittings used on site are fit for purpose and suitable for use within contaminated land. In the event that contaminated land is discovered during construction then work should be stopped until the nature of the contamination is identified and alternative protective coated materials provided to allow continuation of main laying.

Proposed Services
Developer to pre-install all services up to and including 32mm at depth of 750mm deep and not greater than 1350mm from finished surface level. Where laying in contaminated land using a barrier pipe or ductile iron, corresponding service pipe must also be of a barrier type.

Proposed Mains
All mains to be laid in pre-excavated trench pit 900mm cover, provided by the developer. Road crossings to be continuous plastic duct or drainage pipe sized to accommodate the mains shown on the drawing, at 900mm cover to the finished level.

	Proposed	Laid
Water Mains		
Services		
Water Mains (Incumbent)		
Ducted Pipe		
Excavated by BUUK Contractors		
Asset Boundary		
Upstream Connection		
Change of Pipe Size/Material		
Gun Metal Manifold & Chamber (With Number of Meters)		
Multi Port Box (With Number of Meters)		
Barrier Area		
Exclusion Area		
PE: Polyethylene		
BP: Barrier Pipe		
DI: Ductile Iron		
Abandoned		
To Disconnect		
Burst		
Pol Booster		
Non Return Valve		
Wash out Hydrant		
Sluice Valve		
Air Valve		
Fire Hydrant		
Pressure Reducing Valve		
Non Domestic Meter		
Domestic Meter		
Incumbent Meter		

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Revision Notes
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Last Edit By:			
Last Approved By:		DavidThompson 30012025	
Custom Print			
OS Ref:		523800.226797	
Location:		North Road, STEVENAGE, Hertfordshire, SG1 4AH	
Developer/Client:			
Miller Homes			
Drawing Number/Title:			
5afe5a0a-74ad-4865-a35c-5aa1a5ddd65f_appen			
Network Number:		Project Number:	
N0023457		N0023457-1	
Scale:	Sheet Size:	Revision:	
1:1000	A3	30.0	