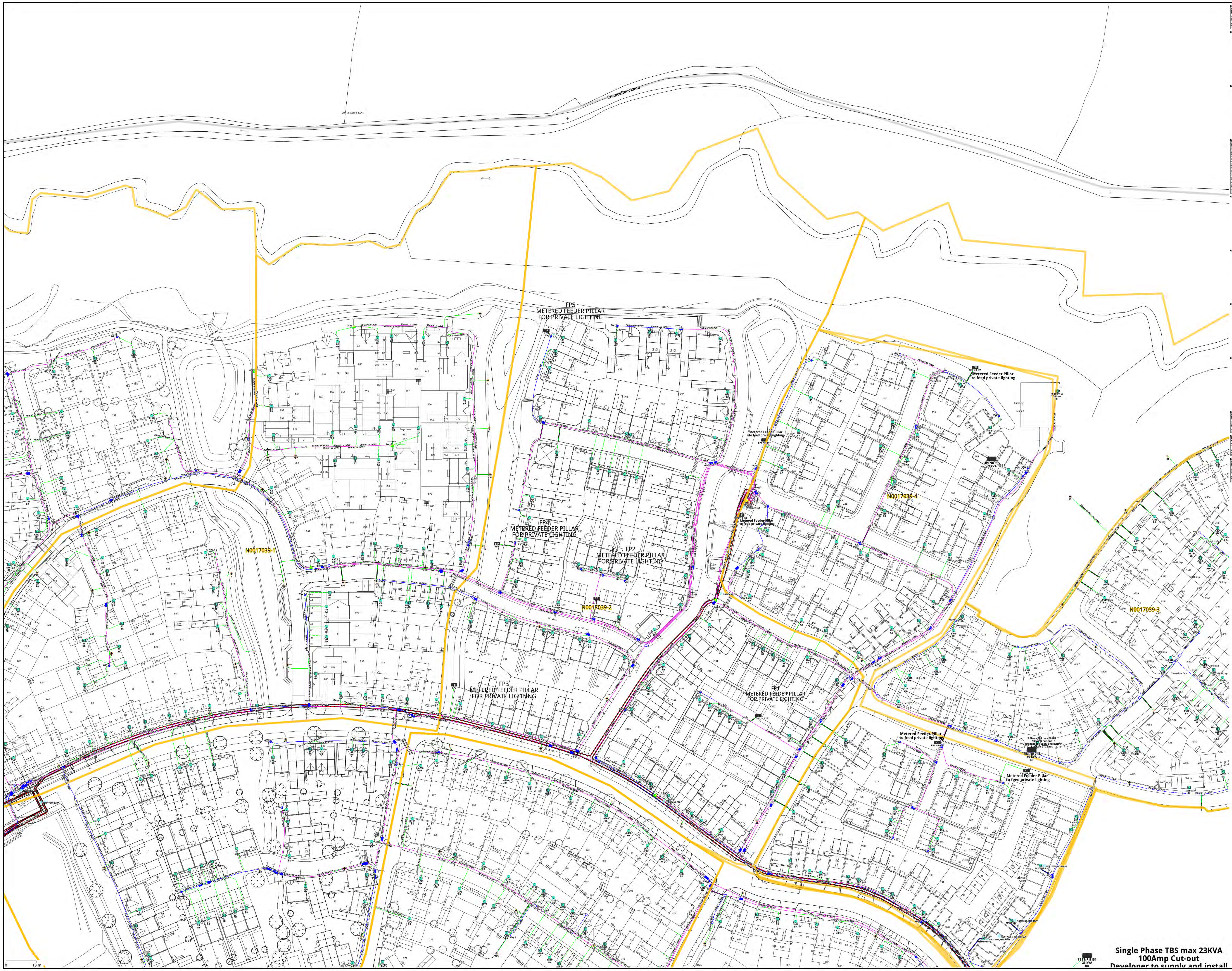
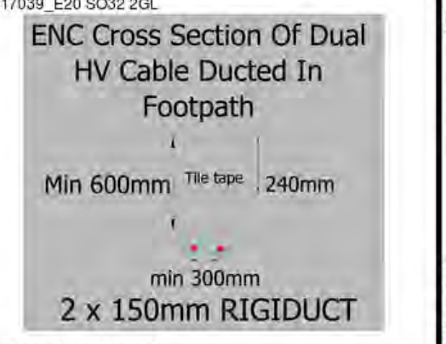


Single Phase TBS max 23KVA
100Amp Cut-out
Developer to supply and install

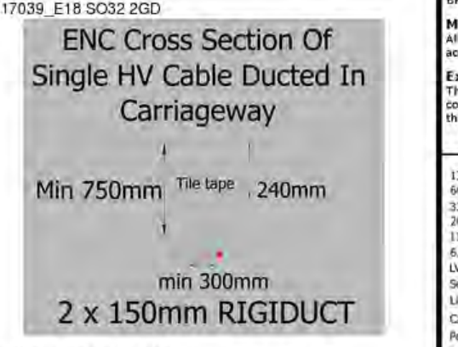
N0017039_MSDB48B SO32 2GF

MSDB Details	MSDB48B	J1
Plot	Phase	Floor
204	BK	G
205	BR	G
206	GY	G
207	BK	G
208	BR	G
209	GY	G
LL Block B	BK	G

N0017039_E20 SO32 2GL



N0017039_E18 SO32 2GD

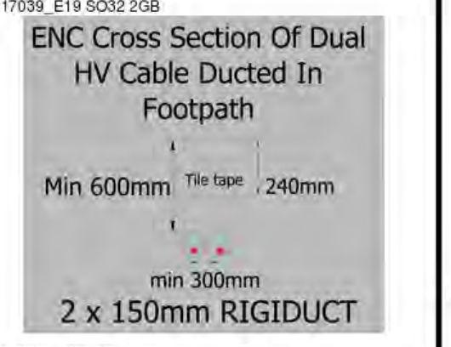


N0017039_Sub_ SO32 2GD

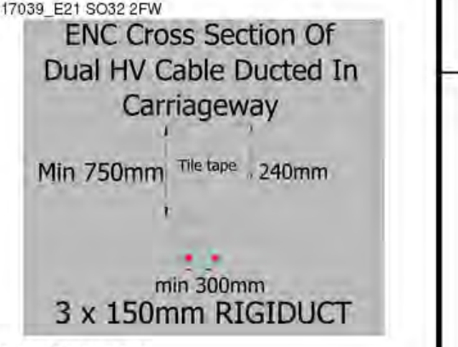
Substation Details		
Way	Cable	Fuse (A)
1	300mm	315
2	300mm	315
3	300mm	315
4	300mm	315
5	300mm	315
6	300mm	315

Name:
Number:
Ownership:
Transformer size (kVA): 800
LV cabinet:
CT ratio:
TLF size (A):
Security assess:
Environ assess:
Building type: StandardBrickBuilt
Door type:
RMU:
Intake RMU #1:

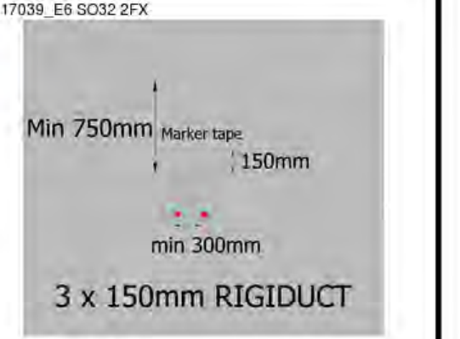
N0017039_E19 SO32 2GB



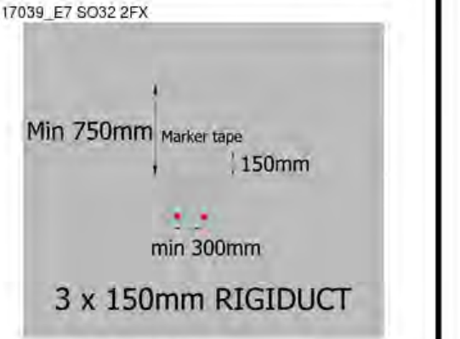
N0017039_E21 SO32 2FW



N0017039_E8 SO32 2FX



N0017039_E7 SO32 2FX



N0017039_MSDB94U SO32 2GL

MSDB Details	MSDB94U	
Plot	Phase	Floor
193	BK	G
196	BR	G
197	GY	G
200	BK	G
201	BR	G
LL 193, 196-197, 200-201	GY	G

N0017039 SO32 2FX

Linkbox Details		
Way	Cable	Fuse (A)
2	300mm	

Owned by:
Volt drop (%): None
ELI: (mΩ) None

N0017039_MSDB94V SO32 2GP

MSDB Details	MSDB94V	
Plot	Phase	Floor
194	BK	G
195	BR	G
198	GY	G
199	BK	G
202	BR	G
203	GY	G
LL 194-195, 198-199, 202-203	BK	G

ALEX FRIEND 14-04-2020

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 240mm beneath the finished surface. Electric mains and services should have a minimum of 250mm clearance from other utilities.

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
- Ducting for mains shall be 150mm rigid plastic ducting compliant with the EMA TS 12-24
- Ducting for LV services shall be black polypipe ducting with an outside diameter of 38mm minimum and 32mm internal diameter compliant with EMA 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	Min. Duct Inside Diameter
Single Phase	32mm
3 Phase LV	150mm
HV	150mm

Service Sizes
All service cables to properties are single phase $35mm^2$ Al Cable terminated in 100 Amp cut out (except where specified)

Phase Identification
For new colour convention mains, the connected phases will be shown as BR, BK, GY Where BR = brown (red) / BK = black (yellow) / GY = grey (blue)

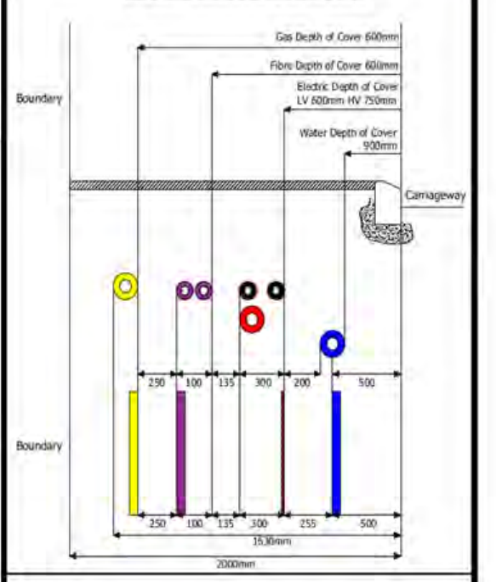
Material Specification
All cables, equipment and construction method on this network are to be in accordance with GBL documentation.

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.

	Proposed	Laid
132kV Cable	– – –	—
66kV Cable	– – –	—
33kV Cable	– – –	—
20kV Cable	– – –	—
11kV Cable	– – –	—
6.6kV Cable	– – –	—
LV 3 Phase Cable	– – –	—
Service Cable	– – –	—
Live Cables	—	—
Cable Joint	□	■
Pot End	○	●
Ducted Cable	—	
Excavated by BUUK Contractors	—	
Asset Boundary	—	
3 Way Link Box	⊞	
4 Way Link Box	⊞	
Earth	⏚	
Streetlight	+	
Substation	⊗	

Internal	I
Meter Box	C
Kiosk	K
MSDB	M
Point Load	P
Uniflow	U
Network Boundary	
Point	
Shorting End Cap	▲
Feeder Pillar	FP

TYPICAL FOOTPATH SECTION TO SHOW RELATIVE UTILITY POSITIONS (Not to Scale)


Boundary
Carriageway
Gas Depth of Cover 600mm
Fibre Depth of Cover 600mm
Electric Depth of Cover LV 600mm, HV 750mm
Water Depth of Cover 900mm
Boundary

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 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.

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Last Edit By:	
Last Approved By:	CIARAN HOBART 27032020

Approved

OS Ref:
450712,115351

Location: Winchester
Road/Maddoxford Lane,
Boorley Green,
SOUTHAMPTON, SO32 2UA

Developer/Client:
Linden Homes

Drawing Number/Title:
EN0017039-2_2_of_7_appendix

Network Number:	Project Number:
N0017039	N0017039-1

Scale:	Sheet Size:	Revision:
1:500	A0	56.0