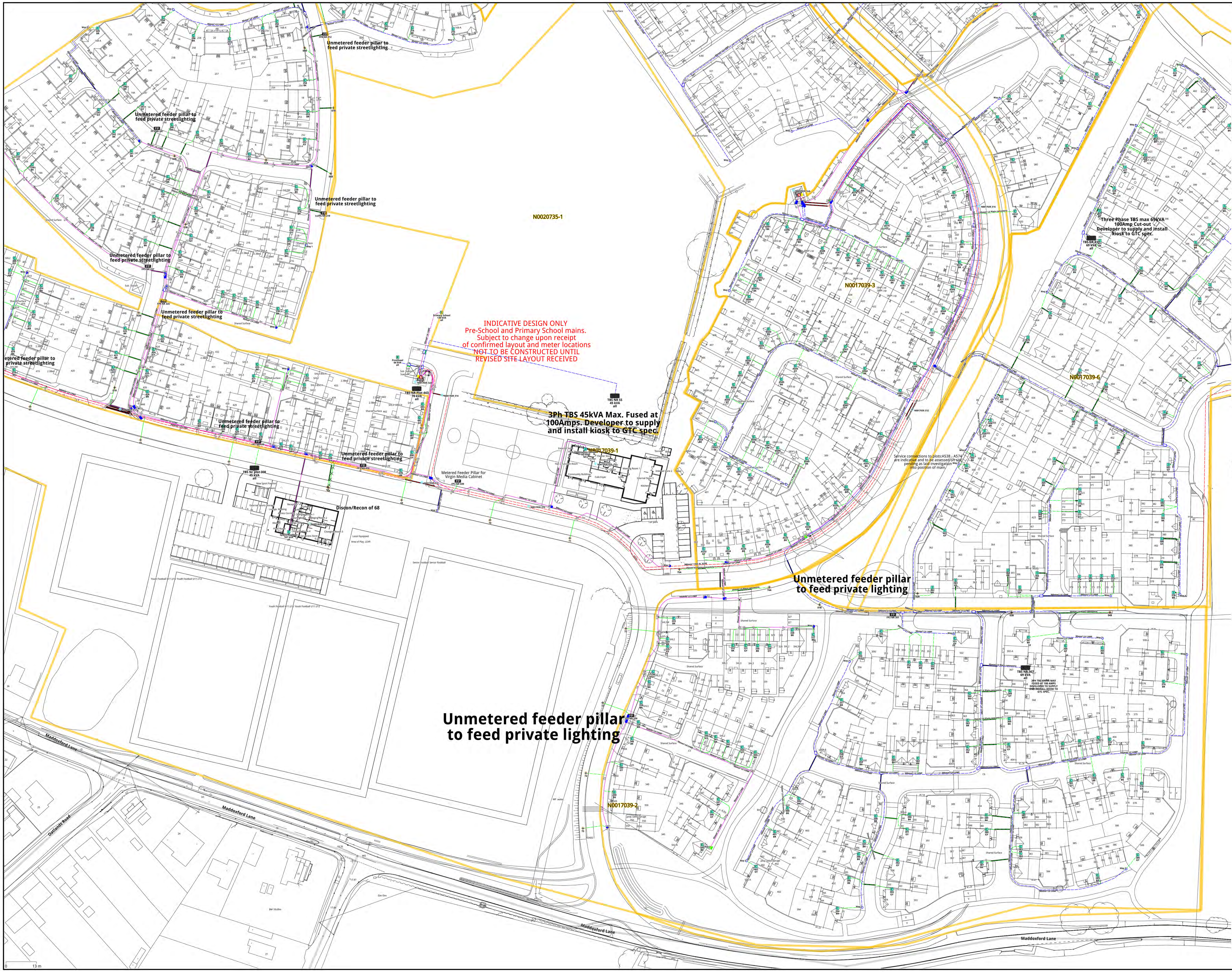
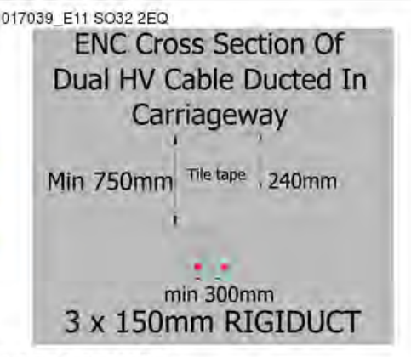

Unmetered feeder pillar to feed private streetlighting
Unmetered feeder pillar to feed private streetlighting
Unmetered feeder pillar to feed private streetlighting
Unmetered feeder pillar to feed private streetlighting
Unmetered feeder pillar to feed private streetlighting
Unmetered feeder pillar to feed private streetlighting
Unmetered feeder pillar to feed private streetlighting
Unmetered feeder pillar to feed private streetlighting
N0020735-1
INDICATIVE DESIGN ONLY
Pre-School and Primary School mains.
Subject to change upon receipt
of confirmed layout and meter locations
NOT TO BE CONSTRUCTED UNTIL
REVISED SITE LAYOUT RECEIVED
Primary School
TBS NR Plot 443
70 kVA
TBS NR 55
45 kVA
all
3Ph TBS 45kVA Max. Fused at 100Amps. Developer to supply and install kiosk to GTC spec.
N0017039-1
TBS Nr plot 308
45 kVA
all
Metered Feeder Pillar for Virgin Media Cabinet
Discon/Recon of 68
N0017039-3
Service connections to plots:A538 - A574 are indicative and to be assessed on site pending as laid investigation into position of main.
Three Phase TBS max 69kVA 100Amp Cut-out
Developer to supply and install kiosk to GTC spec.
N0017039-6
Unmetered feeder pillar to feed private lighting
TBS NR.367
69 kVA
all
3PH TBS 69KVA MAX FUSED AT 100 AMPS DEVELOPER TO SUPPLY AND INSTALL KIOSK TO GTC SPEC.
Unmetered feeder pillar to feed private lighting
N0017039-2
Maddoxford Lane
Maddoxford Lane
Maddoxford Lane
Maddoxford Lane
Oatlands Road
0
13 m

N0017039_E11 SO32 2EQ



N0017039_E28 SO32 2EQ

Drawing Notes

Electric commercial supply to Sports Pavilion, required load of 107 kVA. 95mm² LVWF cable terminating in a 200A 3 Phase HDCO (83mm Fuse Centres), Maximum fuse size 160A. CT metering required.

Developer to provide ducting for incoming cable; a dedicated meter room/cupboard for termination equipment and to arrange metering with a supplier.

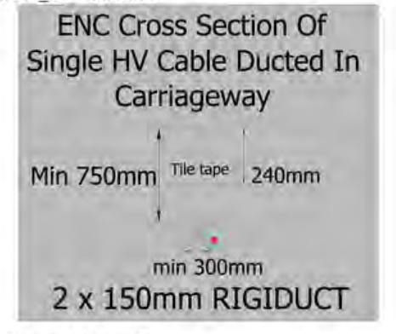
N0017039_Sub_ SO32 2EQ

Substation Details

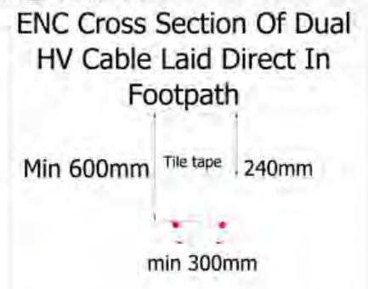
Way	Cable	Fuse (A)
1	300mm	315
2	300mm	315
3	300mm	315
4	300mm	315
5	300mm	315
6	300mm	315
7	35mm	500

Name:	
Number:	
Ownership:	
Transformer size (kVA):	800
LV cabinet:	6-way
CT ratio:	100/5
TLF size (A):	10A
Security assess:	
Environ assess:	
Building type:	StandardBrickBuilt
Door type:	
RMU:	
Intake RMU #1:	

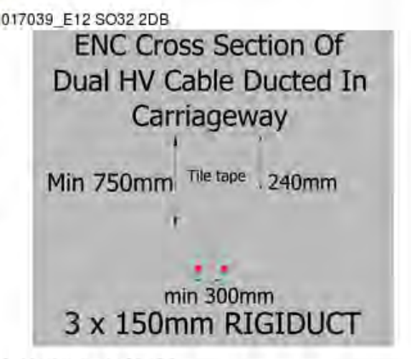
N0017039_E14 SO32 2EQ



N0017039_E15 SO32 2EQ



N0017039_E12 SO32 2DB



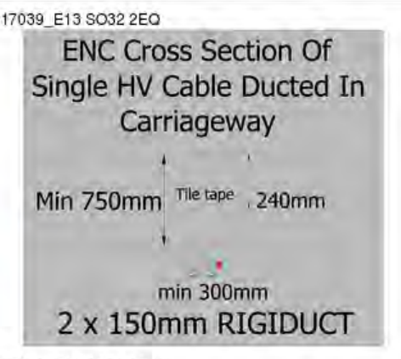
N0017039_Sub_ SO32 2EQ

Substation Details

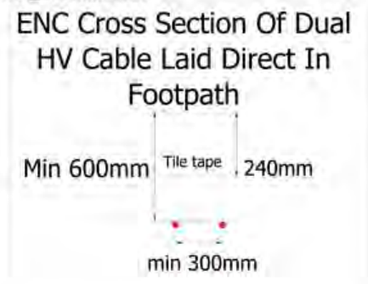
Way	Cable	Fuse (A)
1	300mm	315
2	300mm	315
3	300mm	315
4	300mm	315

Name:	
Number:	
Ownership:	
Transformer size (kVA):	800
LV cabinet:	6-way
CT ratio:	100/5
TLF size (A):	7.5A
Security assess:	
Environ assess:	
Building type:	StandardBrickBuilt
Door type:	
RMU:	
Intake RMU #1:	

N0017039_E13 SO32 2EQ



N0017039_E16 SO32 2DB



N0017039_E27 SO32 2EQ

Drawing Notes

Electric commercial supply to Community Centre, required load of 107 kVA. 95mm² LVWF cable terminating in a 200A 3 Phase HDCO (83mm Fuse Centres), Maximum fuse size 160A. CT metering required.

Developer to provide ducting for incoming cable; a dedicated meter room/cupboard for termination equipment and to arrange metering with a supplier.

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 ENA 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 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	Min. Duct Inside Diameter
Single Phase	32mm
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 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 G81 documentation.

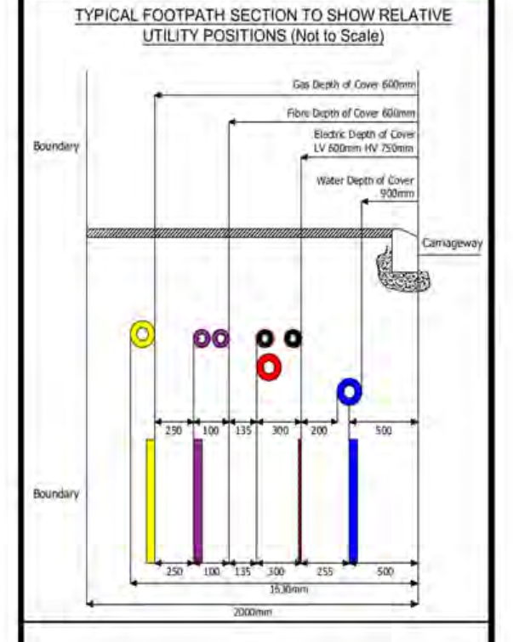
Excavation Carried Out by BUUK

The trenched highlighted in blue will be excavated and reinstated by BUUK contractors, the excavation and reinstatement of the other trenched 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	━━━	
2 Way Link Box	⊞	
4 Way Link Box	⊞	
Earth	↕	
Streetlight	+	
Substation	S	

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

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



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

Last Edit By:	
Last Approved By:	CIARAN HOBART 27032020

Approved

OS Ref:
451186,114605

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

Developer/Client:
Linden Homes

Drawing Number/Title:
EN0017039-2_6_of_7_appendix

Network Number:	Project Number:	
N0017039	N0017039-1	
Scale: 1:500	Sheet Size: A0	Revision: 56.0