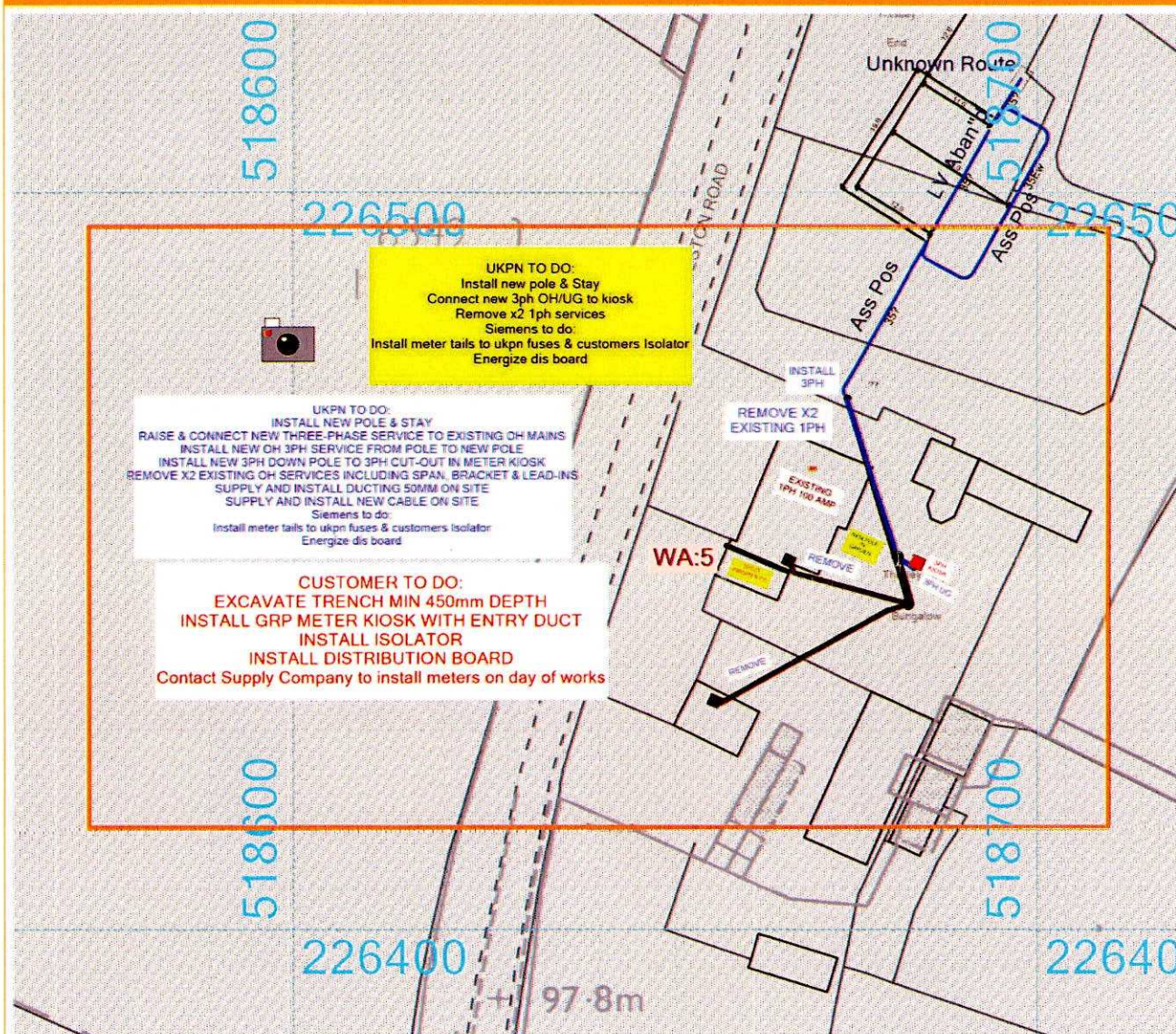


Description:

Overview



Coordinates: 518640, 226454



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UKPN TO DO:

- Install new pole & Stay
- Connect new 3ph OH/UG to kiosk
- Remove x2 1ph services
- Siemens to do:
- Install meter tails to ukpn fuses & customers Isolator
- Energize dis board

UKPN TO DO:

- INSTALL NEW POLE & STAY
- RAISE & CONNECT NEW THREE-PHASE SERVICE TO EXISTING OH MAINS
- INSTALL NEW OH 3PH SERVICE FROM POLE TO NEW POLE
- INSTALL NEW 3PH DOWN POLE TO 3PH CUT-OUT IN METER KIOSK
- REMOVE X2 EXISTING OH SERVICES INCLUDING SPAN, BRACKET & LEAD-INS
- SUPPLY AND INSTALL DUCTING 50MM ON SITE
- SUPPLY AND INSTALL NEW CABLE ON SITE
- Siemens to do:
- Install meter tails to ukpn fuses & customers Isolator
- Energize dis board

CUSTOMER TO DO:

- EXCAVATE TRENCH MIN 450mm DEPTH
- INSTALL GRP METER KIOSK WITH ENTRY DUCT
- INSTALL ISOLATOR
- INSTALL DISTRIBUTION BOARD
- Contact Supply Company to install meters on day of works

EXISTING 1PH 100 AMP
REMOVE
Bungalow
Ass Pos
LV Aban
Unknown Route
Thistley End Rd
97.8m
518600
518700
226500
226400

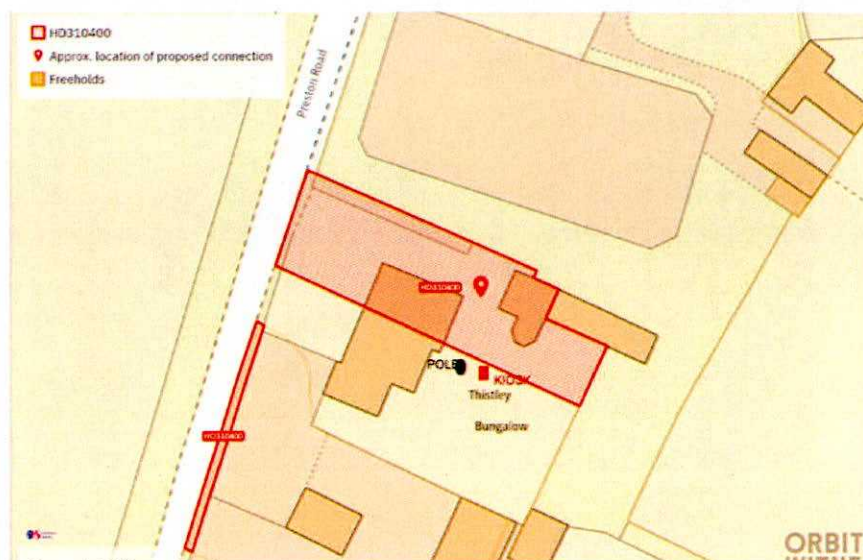
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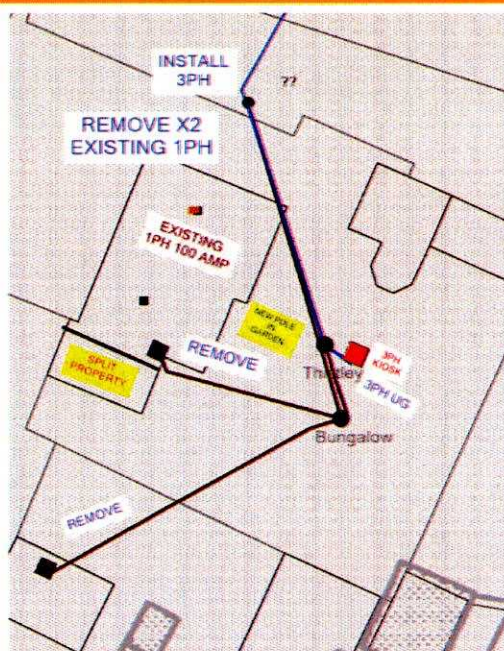
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Photographs & Sketches

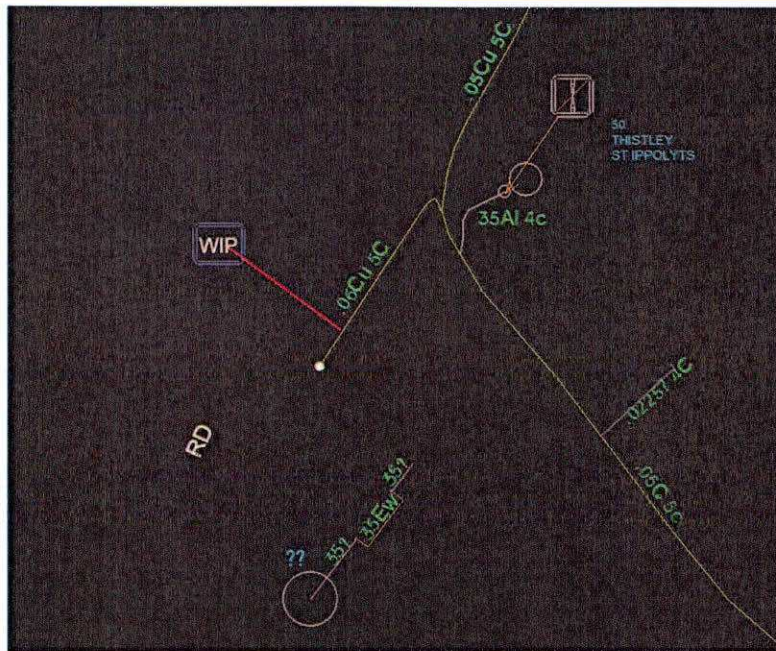
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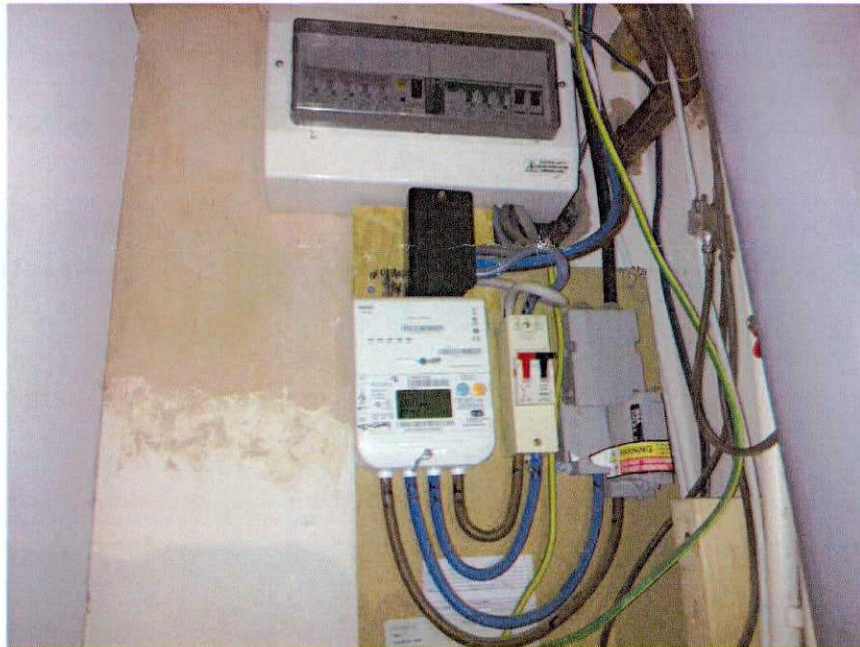
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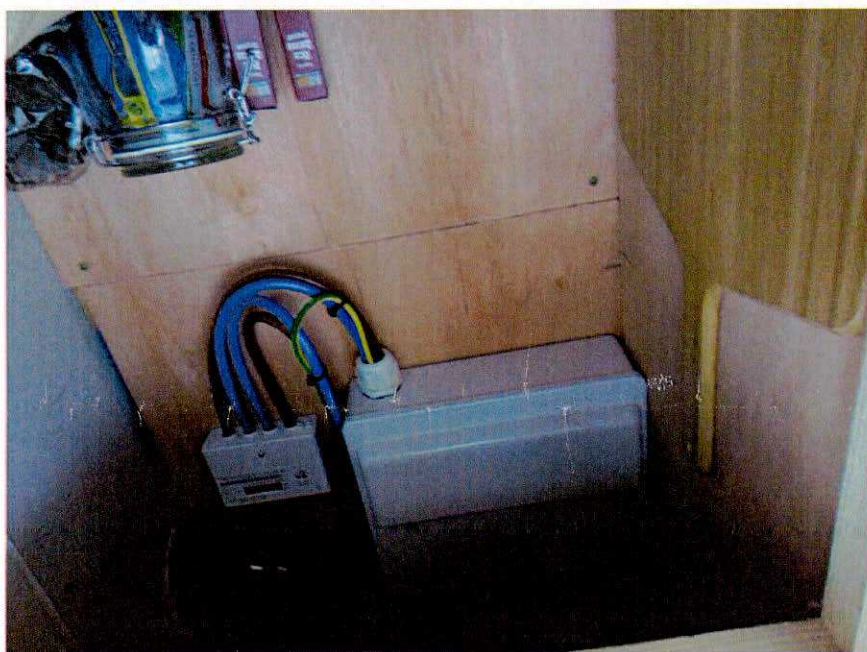


Untitled 4



Untitled 5

Untitled 7

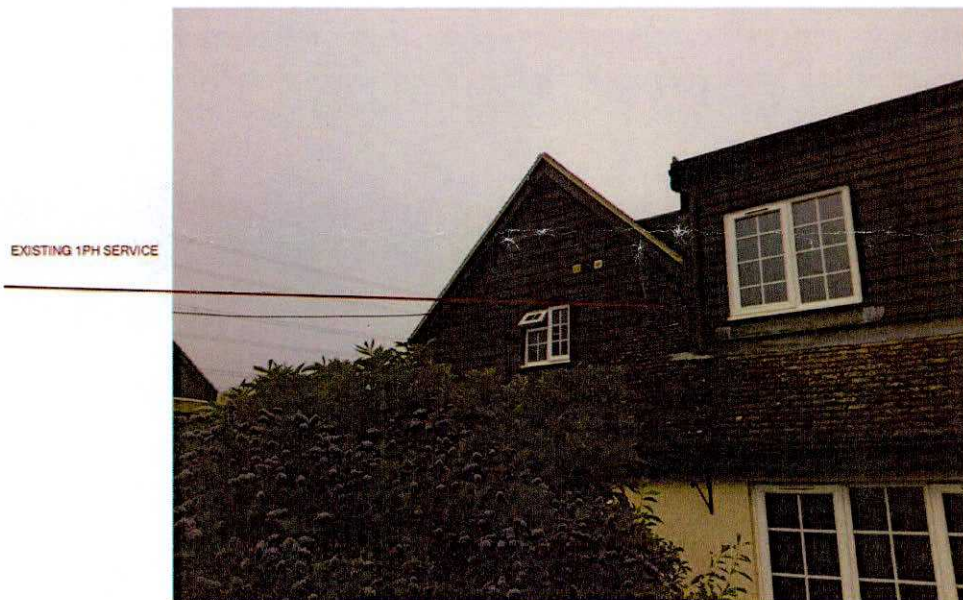


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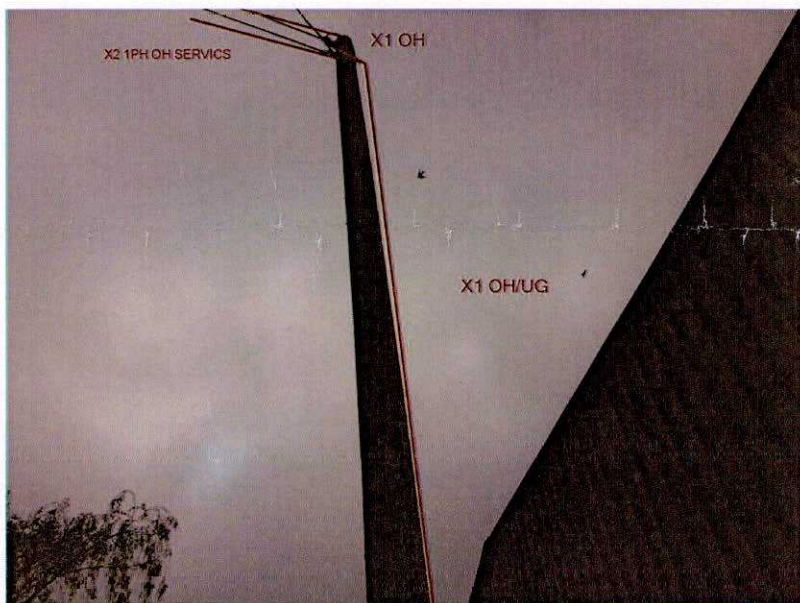
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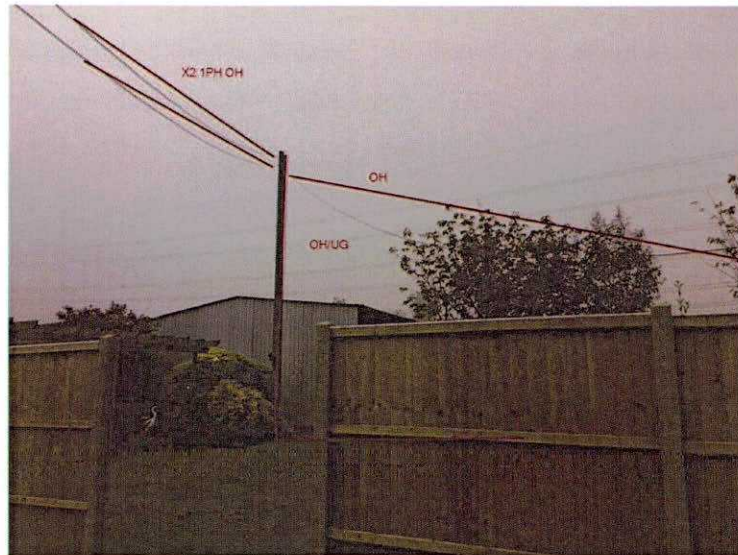
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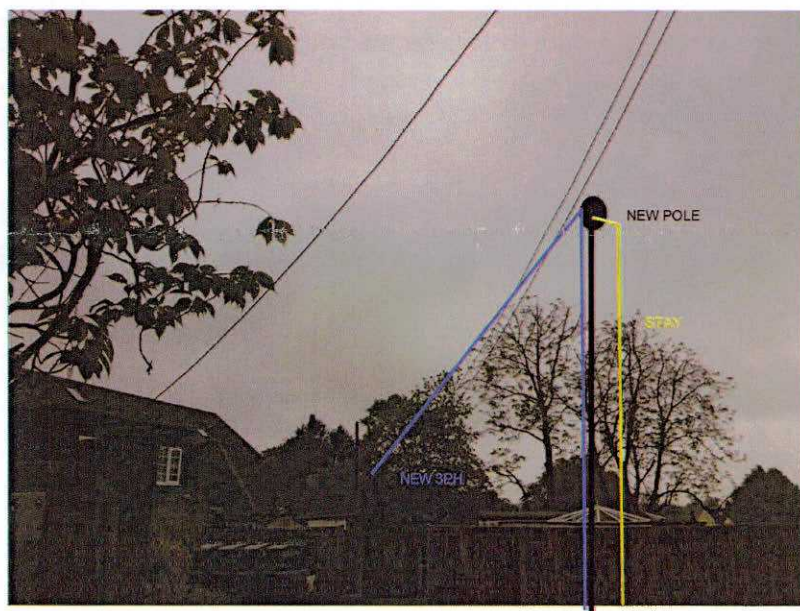
Untitled 10



Untitled 11



Untitled 12



Untitled 13



REMOVE EXISTING X2 1PH SERVICES

NEW POLE & STAY

NEW 3PH

KIOSK

INSTALL 3PH

TRENCH

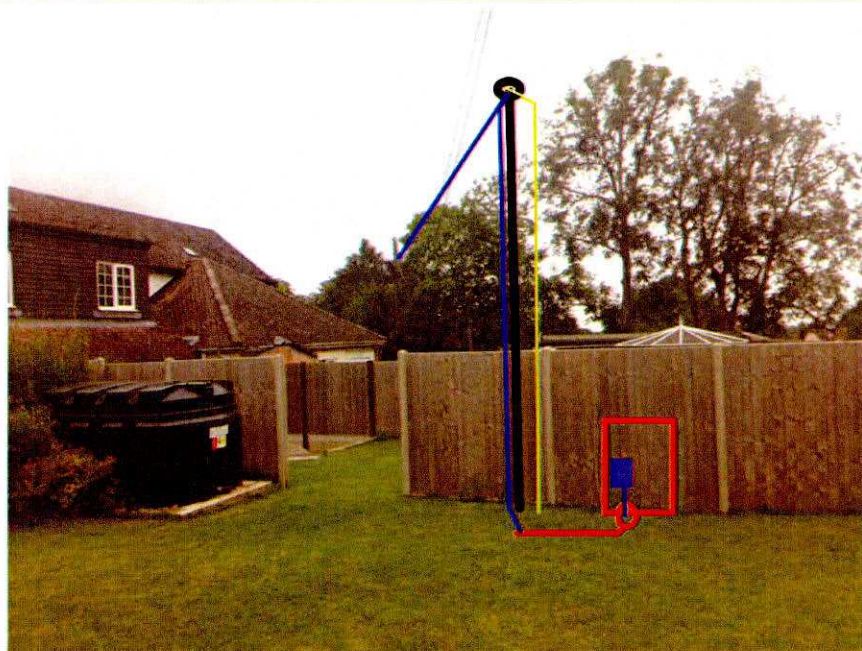
Untitled 14



NEW 3PH

REMOVE EXISTING X2 1PH SERVICES

Untitled 15



Untitled 16



Untitled 17



Untitled 18



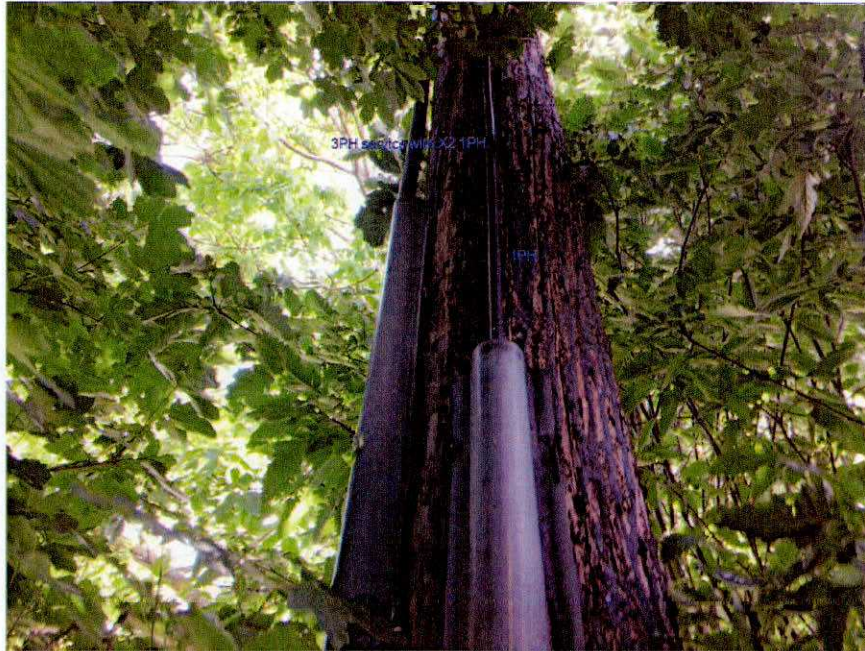
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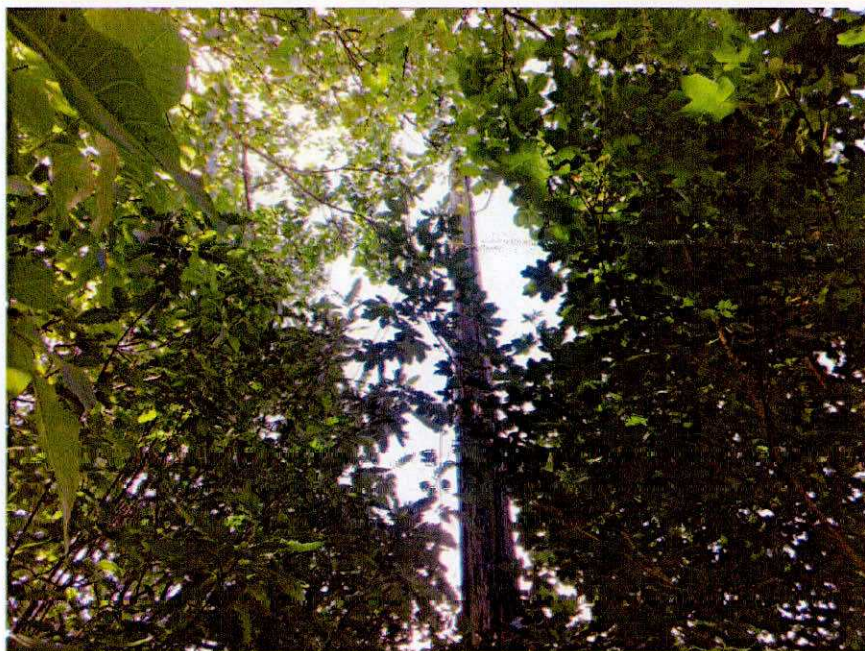
Untitled 24



Untitled 25



Untitled 26



Untitled 27



Untitled 28



Untitled 29



Untitled 30

<u>CST Design Drawing Key</u>	
●	Existing Pole
■	New Customer Meter Position
■	Existing Meter Position
---	UKPN Trenching / UKPN works i.e. new OH
---	Customer trenching / duct installation
□	Customer to excavate joint bay
□	UKPN to excavate joint bay
▲	New OH Bracket Position
▲	Existing OH Bracket Position
---	LV Main
---	HV
●	New Pole Position
---	Existing Service Cable
---	Existing OH Service Cable

Text on Drawing

White Background Red Text	Customer instruction
White Background Blue Text	UKPN instruction
Yellow Background Black Text	Information or high importance issues

Untitled 31

Do not excavate closer than 1m to any existing pole. This will be completed by UK Power Networks for your safety.

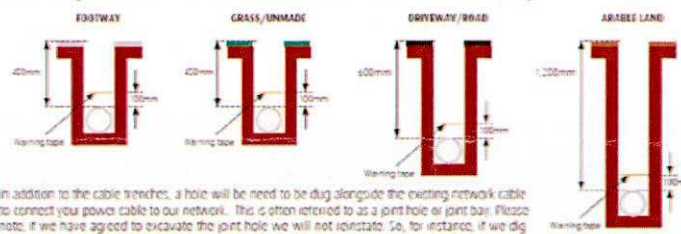


Untitled 32

7. On-site excavation

The cable route will have been agreed at your site visit. If we are digging the trenches we will only backfill after we have laid the cable. You will need to dispose of any leftover material and reinstate the original surface.

If you are doing your own digging, the depths for different surfaces are shown below. When backfilling you will need to place yellow warning tape, marked 'Caution - Electric Cable Below', 100mm above the top of the ducting.



In addition to the cable trenches, a hole will be needed to be dug alongside the existing network cable to connect your power cable to our network. This is often referred to as a joint hole or joint box. Please note, if we have agreed to excavate the joint hole we will not reinstate. So, for instance, if we dig a trench over tarmac we'll refill the trench, but will not lay new tarmac.

If you wish to excavate the joint hole yourself you must make sure whoever carries it out is properly qualified as digging near live electricity cables can be dangerous. They must comply with the guidelines in the booklet *Avoiding danger from Underground Services H56-47* downloadable from www.hse.gov.uk. The hole needs to be 1.5m x 1m and to a depth that's 200mm below the existing cable.



Untitled 33

Service Duct (Polyduct)

- Smooth inner and outer wall
- Approx. 3mm thick
- Black
- Marked with 'Electric Duct'
- Impact resistant
- Heat resistant for short periods
- Water, mould and chemical resistant

- 100 metre variable rolls
- Supplied by Entelle Product code 30333
- UKPN Document Ref: EAS 02-0015

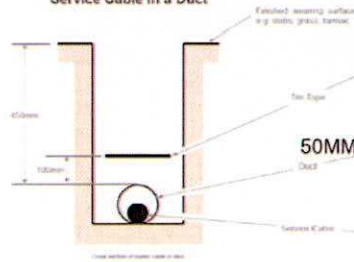
UKPN TO SUPPLY

50MM



DUCT INSTALLATION

Service Cable in a Duct



Untitled 34

4. Meter box or kiosk and 'hockey stick' (continued)

You may also need to purchase a GRP or construct a brick kiosk, see Fig H-I for an example.

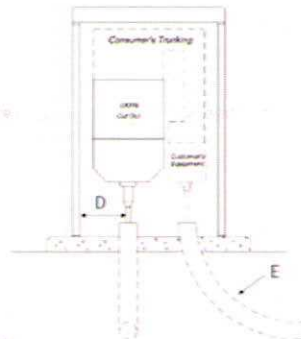


Fig H GRP kiosk

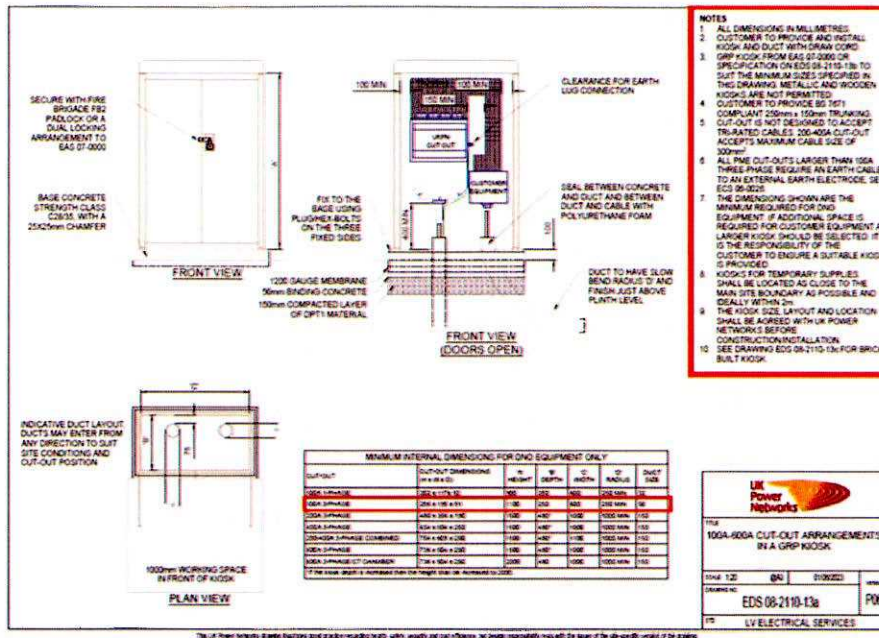


Fig I Brick kiosk

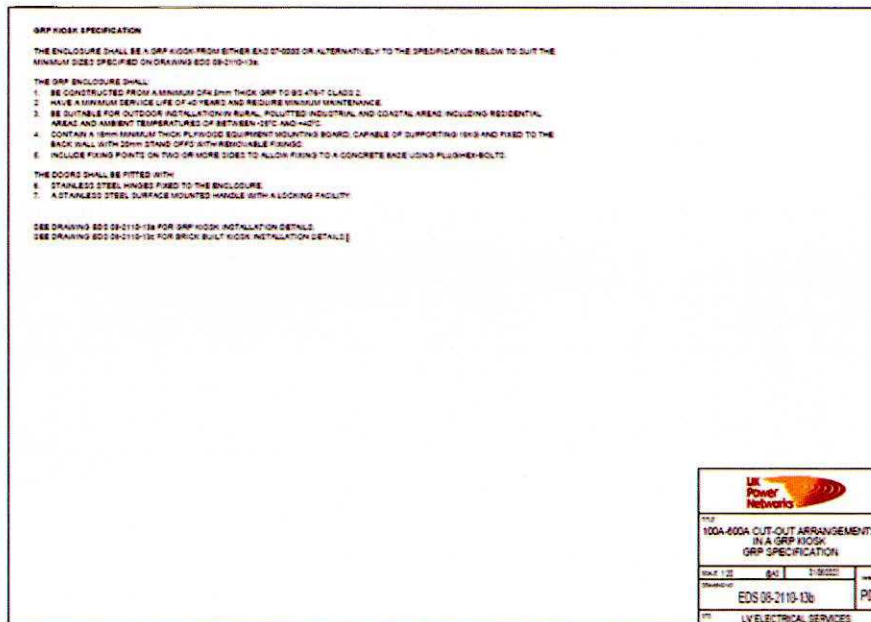
Minimum dimensions for UKPN equipment only.

PROPOSED CUT-OUT	Cut-out dimensions (w x h X d)	'A' Height	'B' Depth	'C' Width	'D' Clearance	'E' Radius	Duct Size
100A single phase	117 x 202 x 92	900	300	600	150	250 min.	32
100A three phase	195 x 256 x 92	1100	300	600	200	250 min.	50

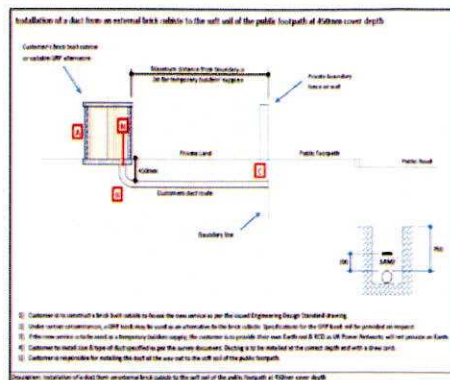
Untitled 35



Untitled 36



Untitled 37



GFRP CUBICLE

Untitled 38

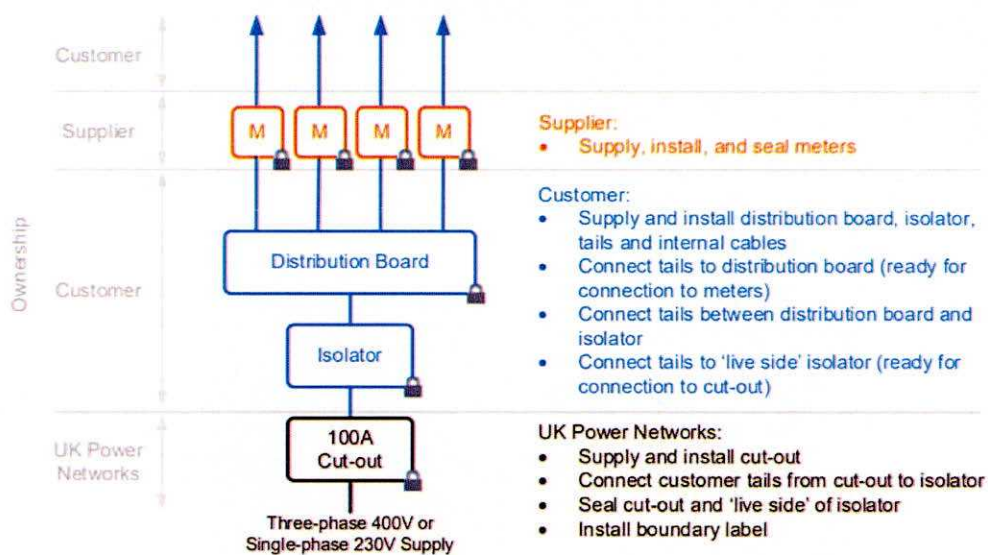


Figure 5-1 – Typical Multi-occupied 100A Supply Arrangement

Untitled 39

Example arrangement with equipment ownership and responsibilities

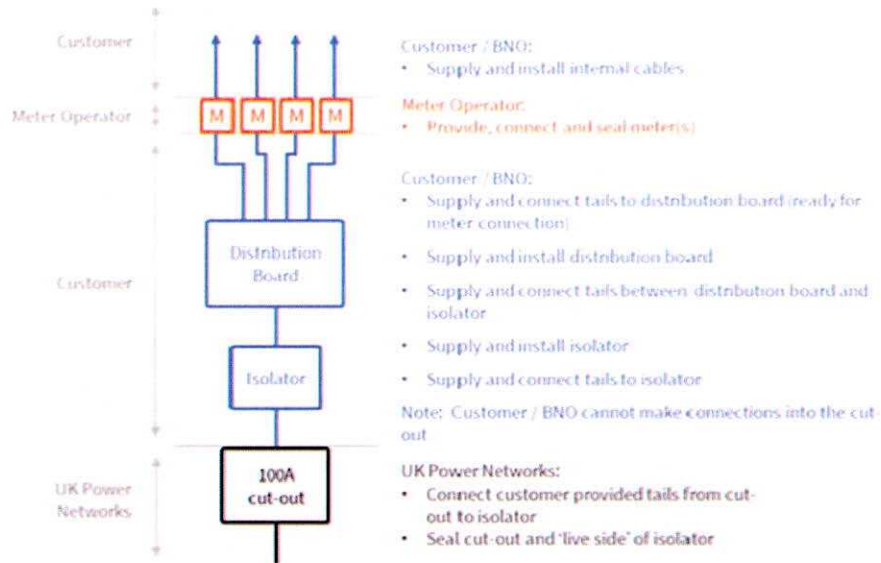
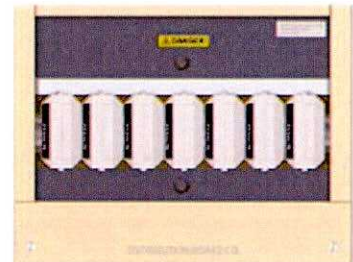


Fig B

Example Distribution board (consumer units or fuse-boards are not suitable)



[Click here for more info about supplies to multiple occupancy buildings.](#)

Untitled 40

What if you aren't ready and we arrive as planned?

We have to cancel a lot of our customers jobs because we arrive to start the work and the customer's site isn't ready. We have no choice but to cancel the work.

Top 6 reasons why we have to cancel customers work

- Obstructions on site.**
 For health and safety reasons our people can't start work if there are obstacles in the way that could make their job more difficult or dangerous. These include scaffolding, ladders, skips, building materials and pallets. So please make sure there's nothing like that where we're going to work.
- The wrong meter box was installed (if you do not take the option of UK Power Networks supplying the product at the time of completing the service request).**
 We have standards about what we are allowed to put our electrical equipment into so please ensure you install the correct meter box.
- The wrong electrical ducting was installed.**
 We can't install electricity cables into the wrong ducting so please install the correct type.
- No internal wiring test and connect certificate was shown to us or no electrician was available on site.**
 Without this the electricity supplier will not connect a meter which is needed to give you electricity. So please employ an electrician to issue this certificate.
- Customers cancelled the work less than five working days before the agreed work date.**
 We need a minimum of five day's notice if you wish to cancel your work so please give us as much notice as possible.
- Our staff couldn't park their vans.**
 Please make us aware of any issues with parking.