

<b>N0023409_Sub1_BN8 60F</b> Revision: 1 Date: 15/03/2023 Author: [Name] Checked: [Name] Drawn: [Name]		<b>RETN ROY 15-03-2023</b> Project Name: [Name] Location: [Name] Scale: 1:1500 Sheet Size: A0 Revision: 1.1
<b>UKPN Cross Section Of Single HV Cable Ducted In Footpath</b> Min 600mm Marker Tape 100mm 1 x 150mm RIGIDUCT N0023409_E2 BN8 6A/E		<b>HOT EARTH SITE</b> Where it is established by design calculations that the earth potential rise exceeds 50V the HV and LV earthing systems will be connected to integrated systems and the earth link in the road will be fitted. A 'hot site' warning notice should be fitted in its place. Where the site is designated a 'hot site' special care should be taken to ensure, where practicable, any metal street furniture, fences or street lighting being installed within 5m of the perimeter earthing electrode. The circuit engineer must be notified of all hot sites at the time of negotiation in respect of all hot sites and be satisfied. <b>REQUIRED</b> UKPN twinwalled 150mm outside diameter (OD) black (Inner AND Outer) rigid polypropylene duct (RB150X2) to be used for all UKPN ducting. No other colours will be accepted.
<b>UKPN Cross Section Of Single HV Cable Ducted In Carriageway</b> Min 750mm Marker Tape 100mm 2 x 150mm RIGIDUCT N0023409_E4 BN8 60A		
<b>UKPN Cross Section Of Dual HV Cable Ducted In Footpath</b> Min 600mm Marker Tape 100mm 2 x 150mm RIGIDUCT N0023409_E5 BN8 60F		
<b>UKPN Cross Section Of Dual HV Cable Ducted In Carriageway</b> Min 750mm Marker Tape 100mm 2 x 150mm RIGIDUCT N0023409_E7 BN8 60J		
<b>UKPN Cross Section Of Single HV Cable Ducted In Verge</b> Min 600mm Marker Tape 100mm 1 x 150mm RIGIDUCT N0023409_E8 BN8 60K		
<b>UKPN Cross Section Of Single HV Cable Ducted In Carriageway</b> Min 750mm Marker Tape 100mm 2 x 150mm RIGIDUCT N0023409_E9 BN8 60S		
<b>UKPN Cross Section Of Single HV Cable Ducted In Footpath</b> Min 600mm Marker Tape 100mm 1 x 150mm RIGIDUCT N0023409_E10 BN8 60L		
<b>UKPN Cross Section Of Single HV Cable Ducted In Carriageway</b> Min 750mm Marker Tape 100mm 2 x 150mm RIGIDUCT N0023409_E11 BN8 60T		
<b>UKPN Cross Section Of Single HV Cable Ducted In Footpath</b> Min 600mm Marker Tape 100mm 1 x 150mm RIGIDUCT N0023409_E12 BN8 60M		
<b>UKPN Cross Section Of Single HV Cable Ducted In Carriageway</b> Min 750mm Marker Tape 100mm 2 x 150mm RIGIDUCT N0023409_E13 BN8 60U		

Power On to lay 862m of 300 mm<sup>2</sup> Al XLPE cable in ducts to UKPN spec from POC 1 to IDNO substation. Power On to complete branch joint at POC 1, to UKPN spec, on to existing UKPN 185 mm<sup>2</sup> Al XLPE cable

Power On to lay 1 x 113m of 300 mm<sup>2</sup> Al XLPE UKPN cable in ducts to UKPN spec from UKPN switching station to point A. Power On to lay 1 x 5m of 95 mm<sup>2</sup> Al XLPE cable in ducts to UKPN spec from point A to POC 4. Power On to complete a straight joint at point A and a transitional straight joint at POC 4 on to an existing UKPN 0.0025 sq<sup>2</sup>mm Cu cable, joints to be to UKPN spec.

Power On to lay 1 x 526 m of 300 mm<sup>2</sup> Al XLPE cable in ducts from the circuit breaker at the UKPN switching station to the existing substation at POC 3 (Waldron Road East Hoathly UKPN substation) to UKPN spec, UKPN to install new RMU and RTU at existing substation and terminate the cable on to the new RMU.

Power On to lay 1 x 1077 m 300 mm<sup>2</sup> Al XLPE cable in ducts from POC 3 (Waldron Road East Hoathly UKPN substation) to POC 2 to UKPN spec, UKPN to do Pole termination at POC 2 and terminate on to the RMU at POC 3.

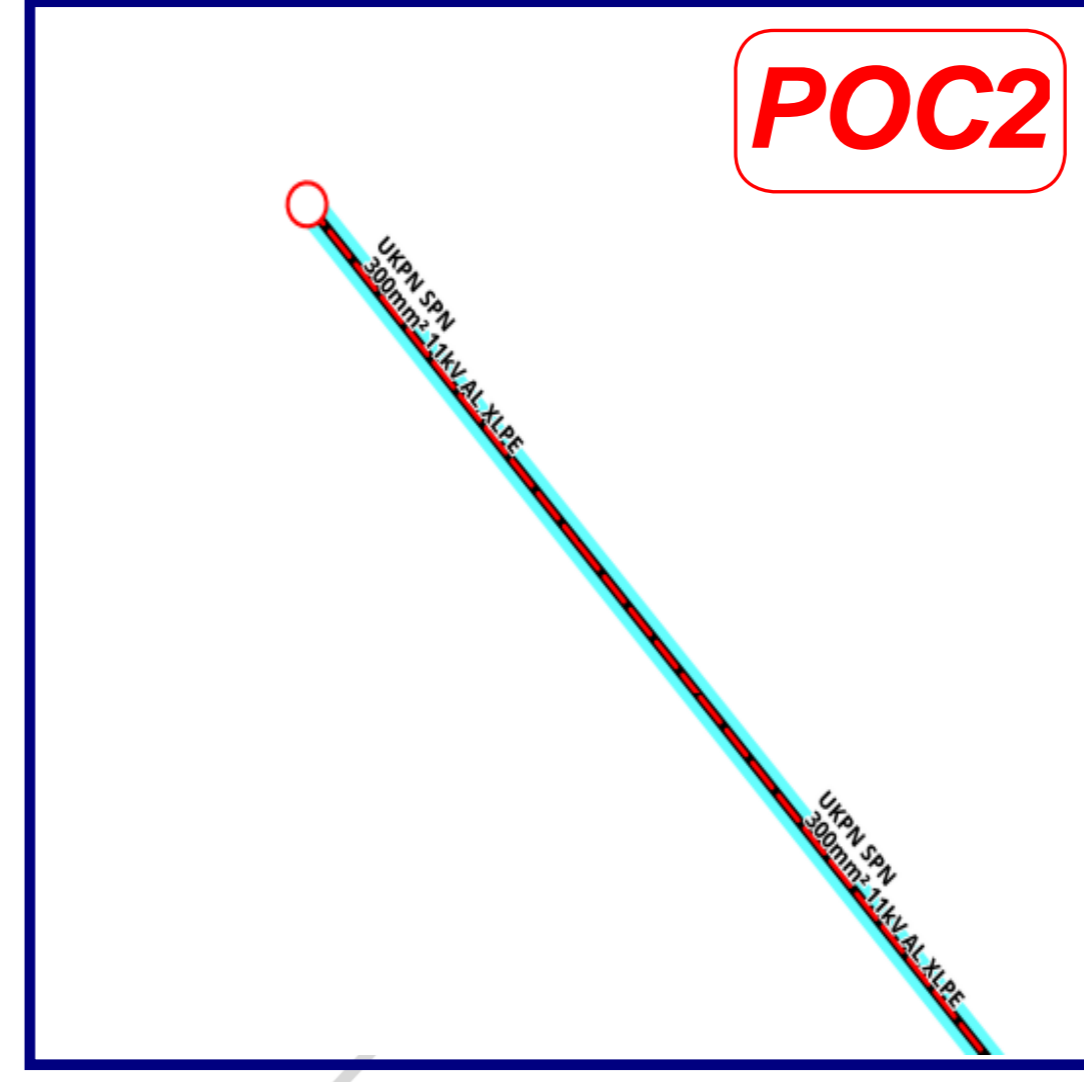
Power On to leave sufficient cable for UKPN to terminate at POC 2 and POC 3.

Power on to install a 1000 kVA IDNO substation and UKPN switching station (Lucy VRN6a with Gemini RTU) onsite, connecting the substation onto UKPN's HV network, as per this design.

Power On to install intermediate straight joints at appropriate location, laid to UKPN spec

All off-site excavation and reinstatement as shown in cyan, to be completed by Power On.

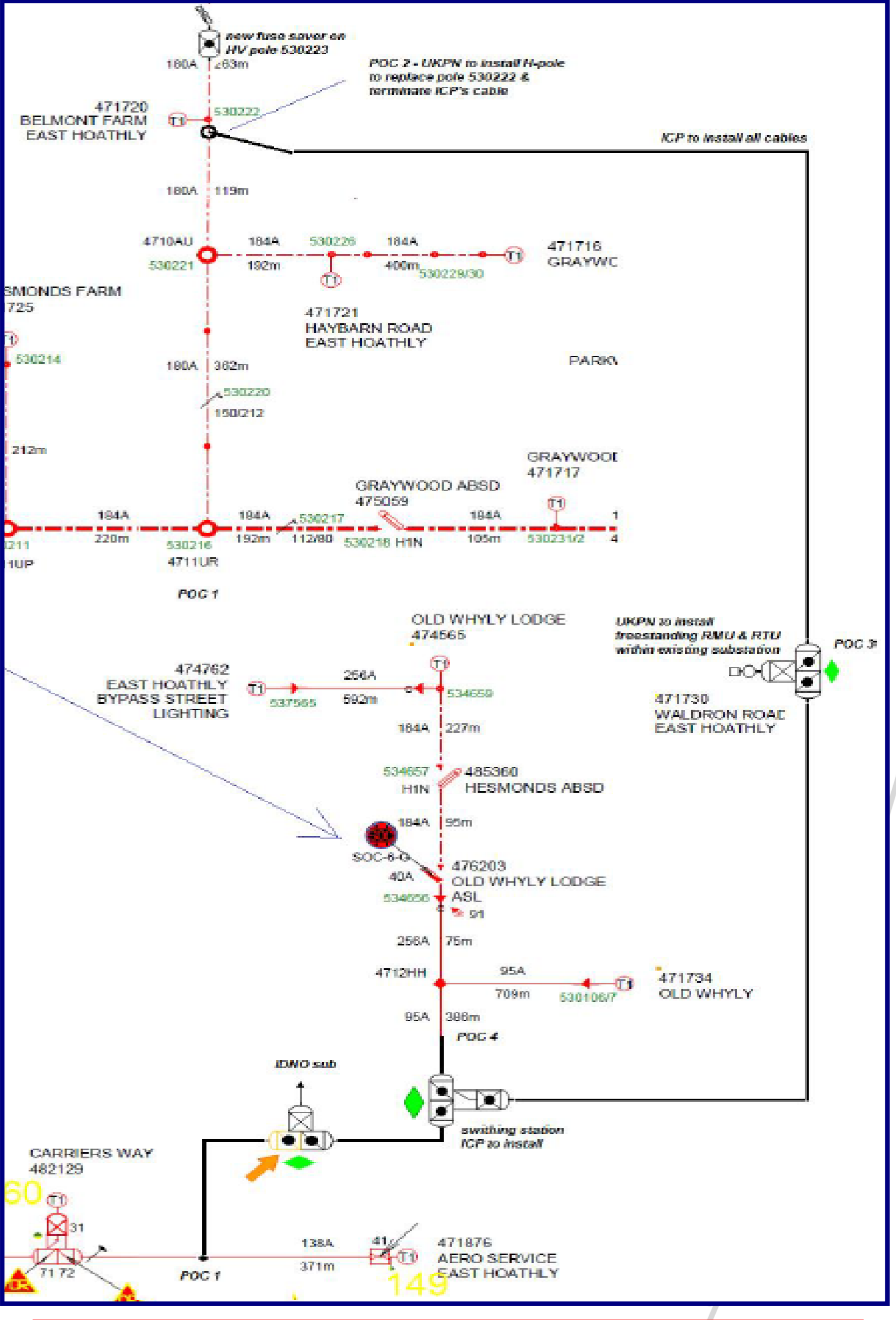
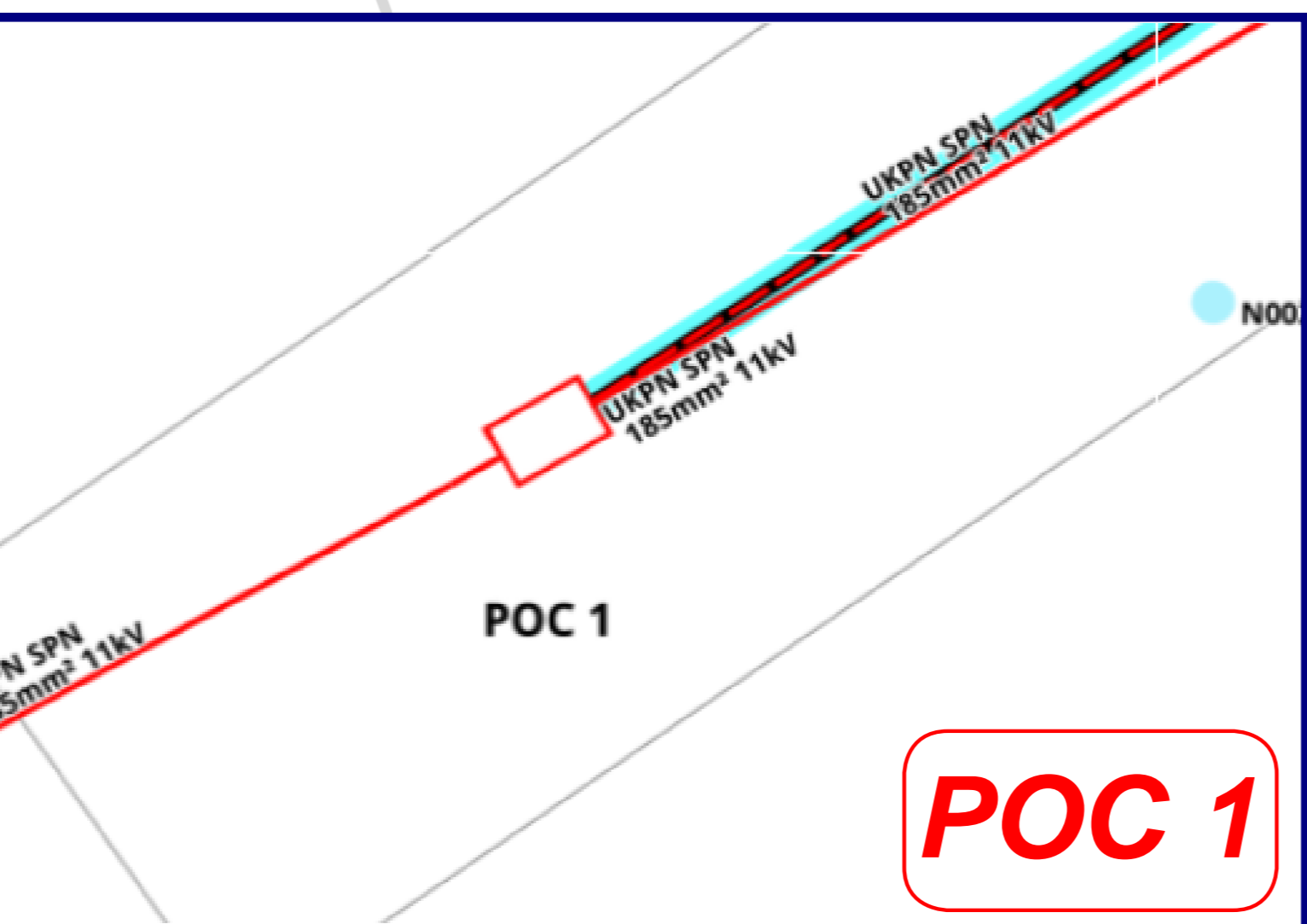
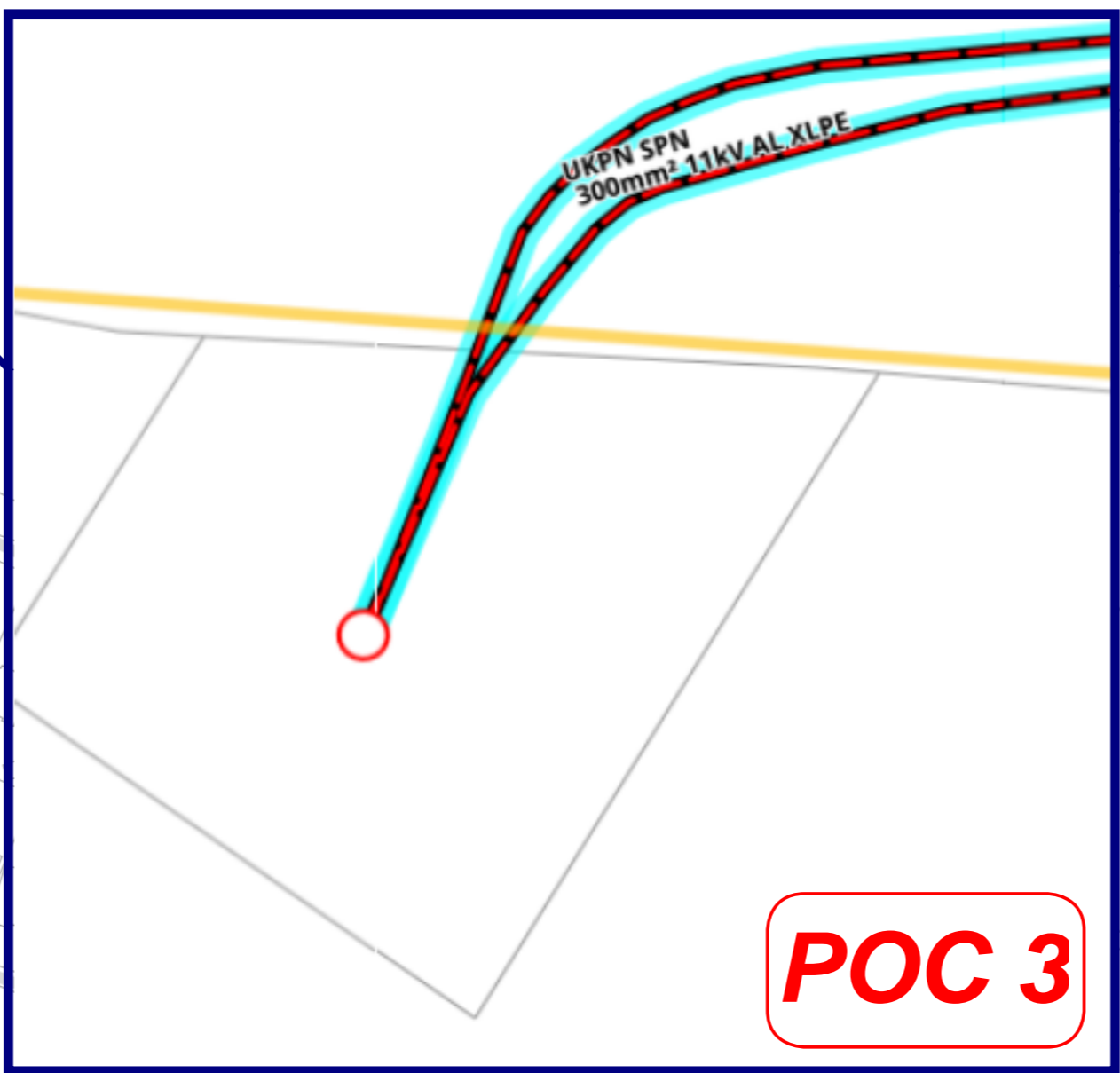
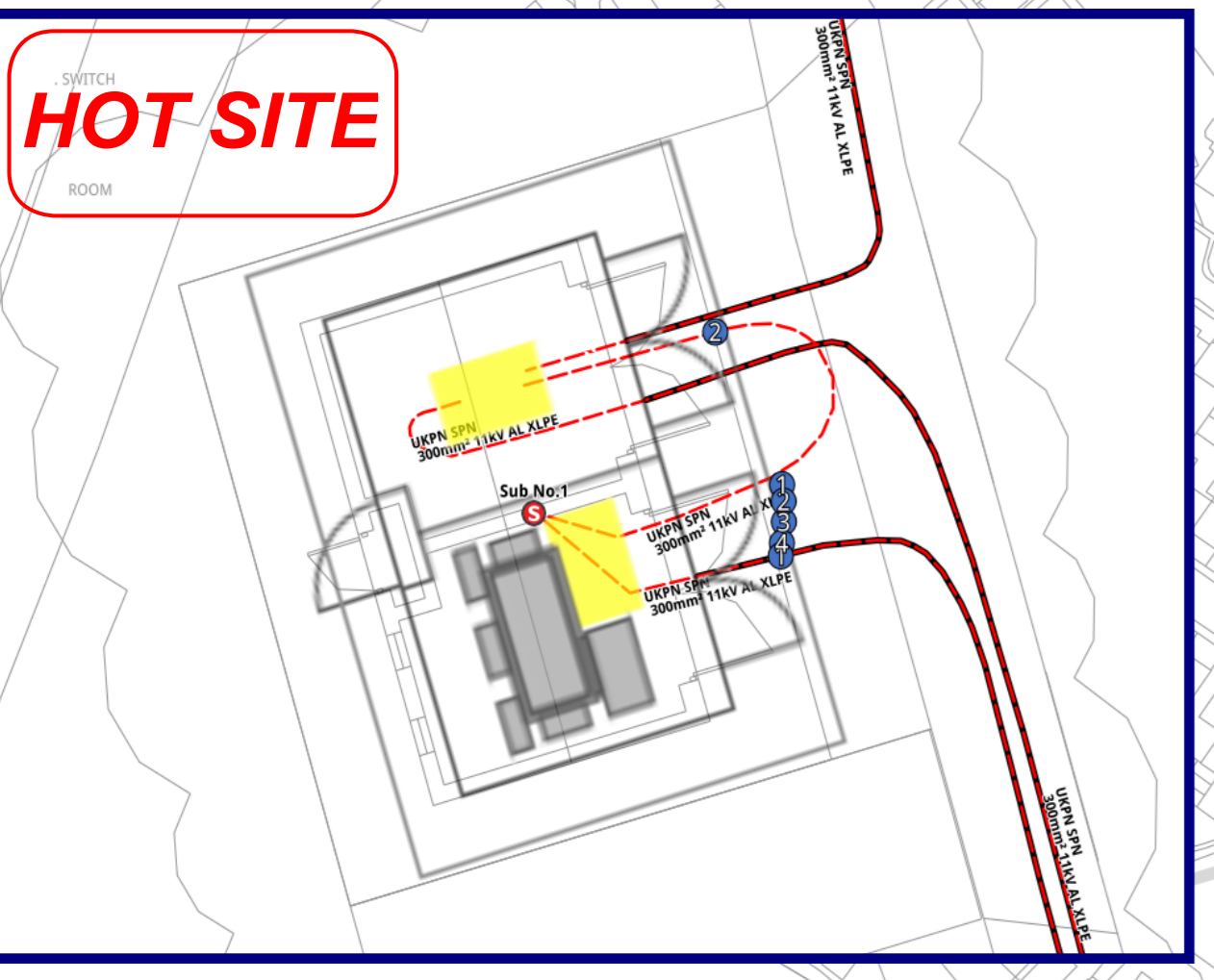
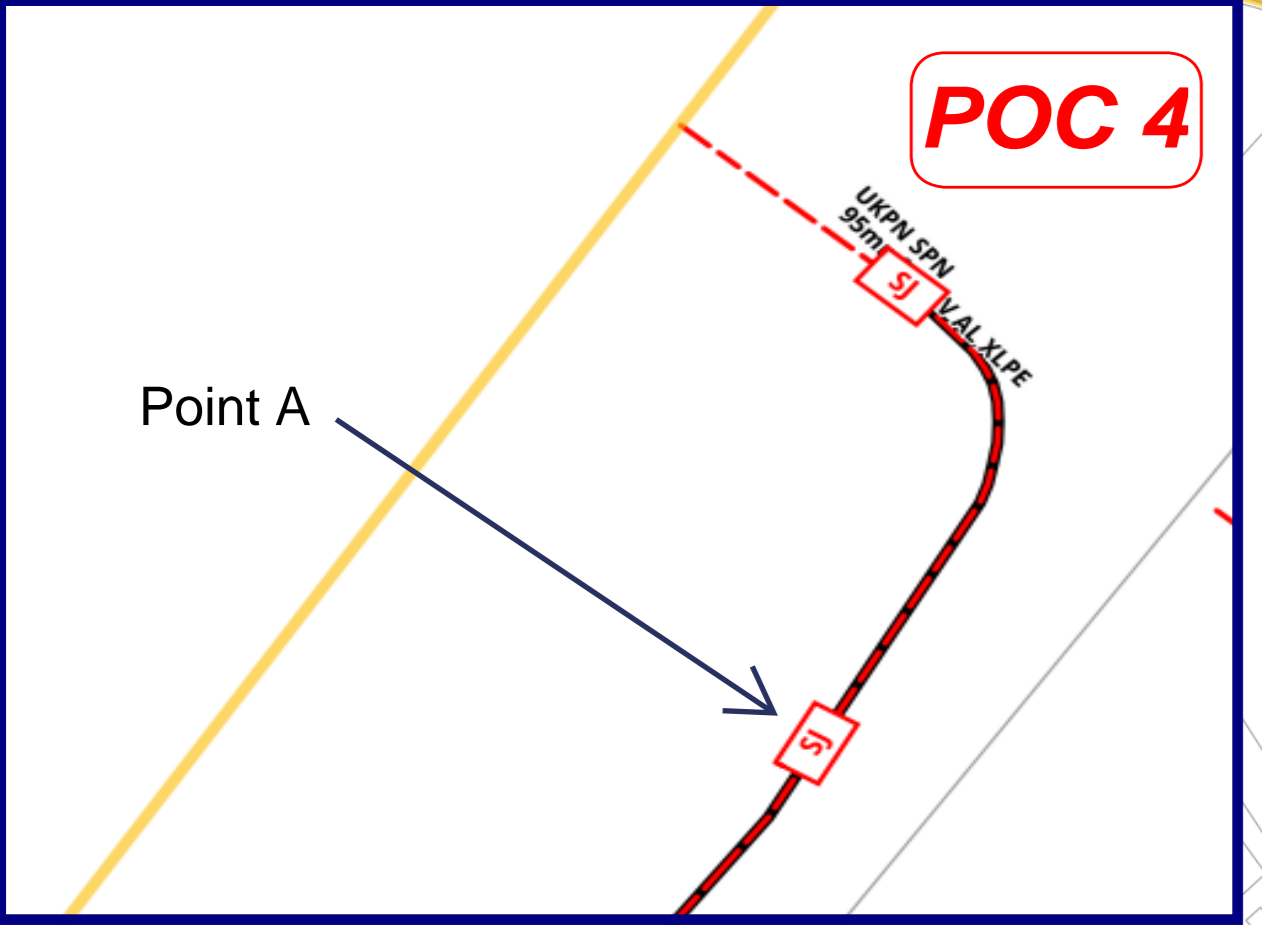
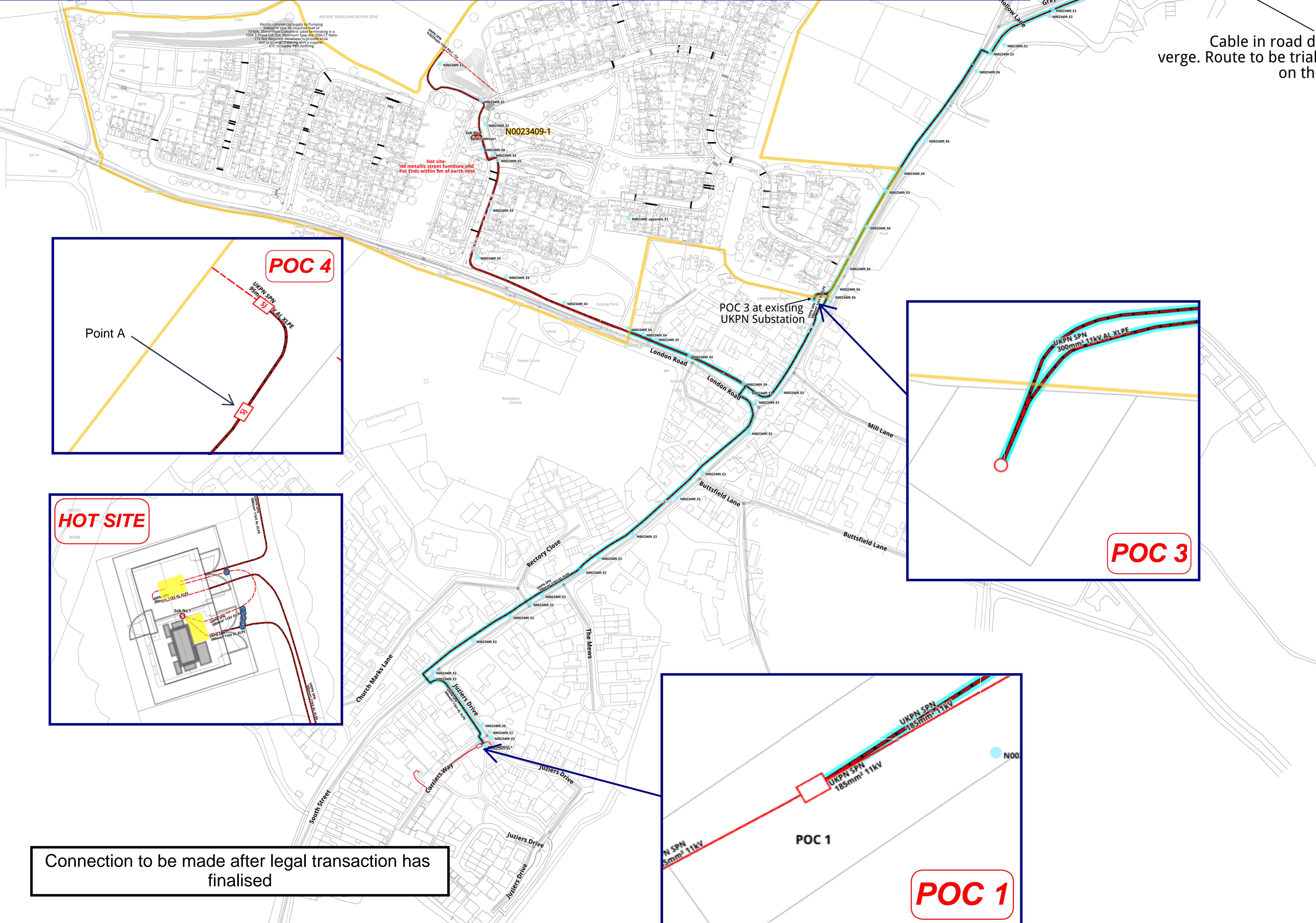
Developer to complete all excavation/reinstatement/jointing holes on-site including all required ducting



Pole Termination to be completed by UKPN

Cable in road due to trees in the verge. Route to be trial holed to confirm space on the verge

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UKPN to upgrade existing substation (Waldron Road East Hoathly) before any connections can be made

Connection to be made after legal transaction has finalised