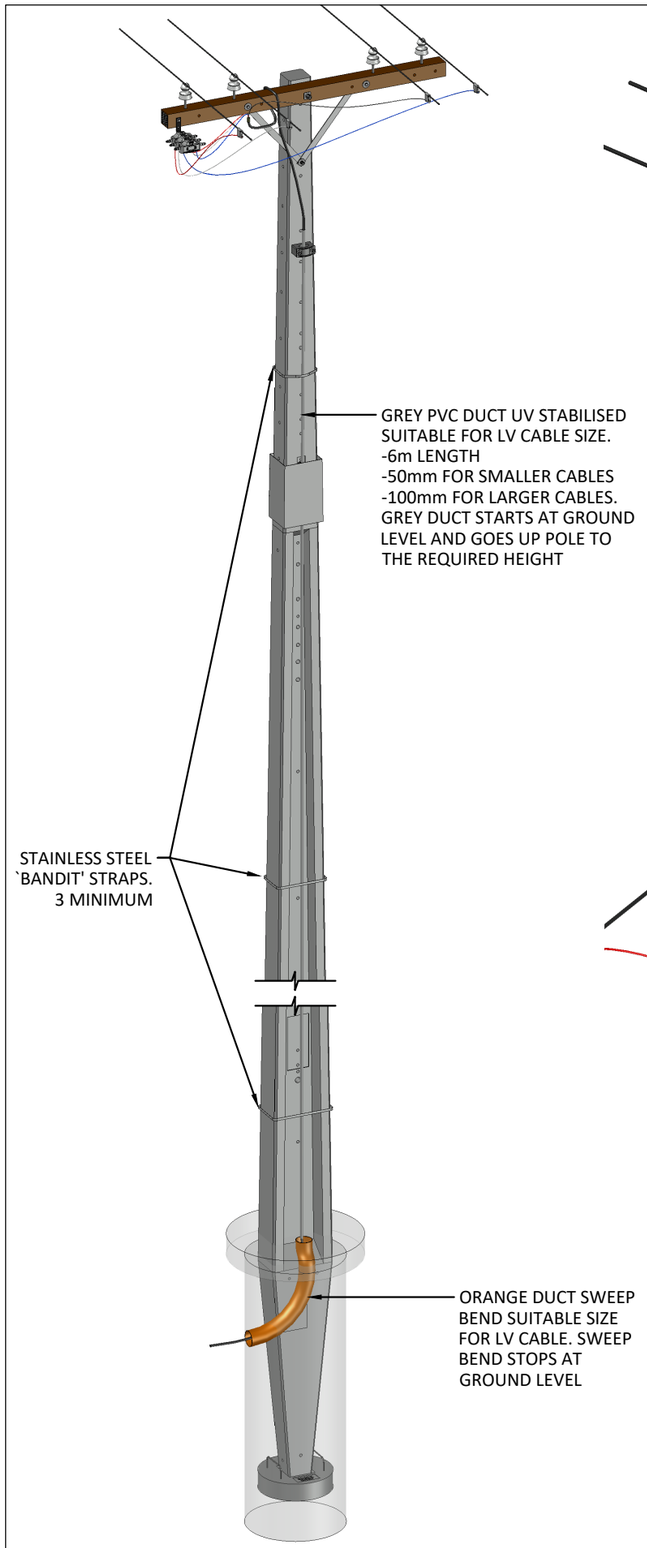
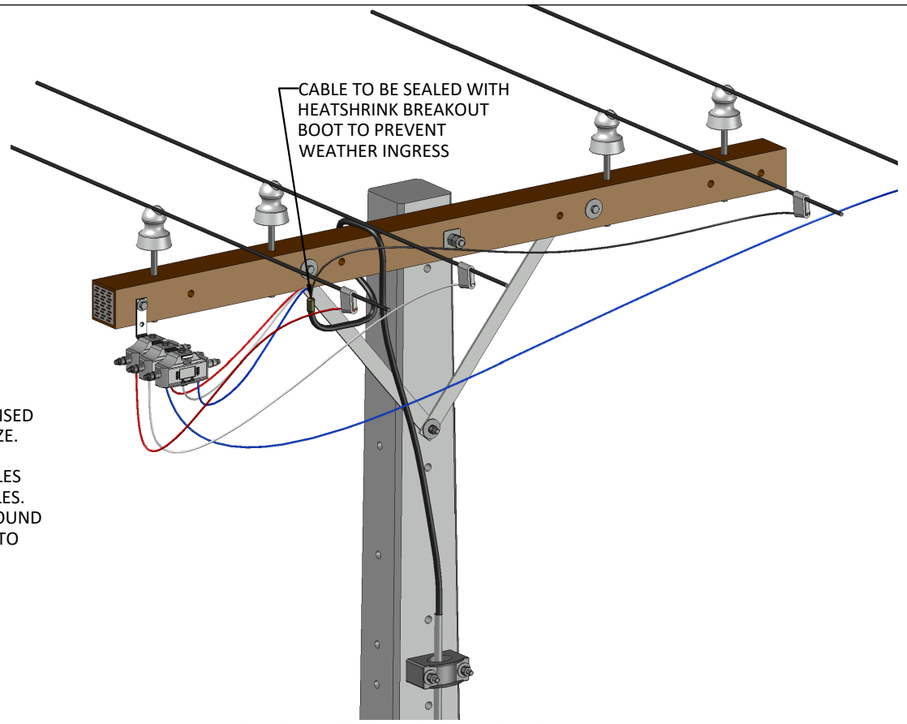
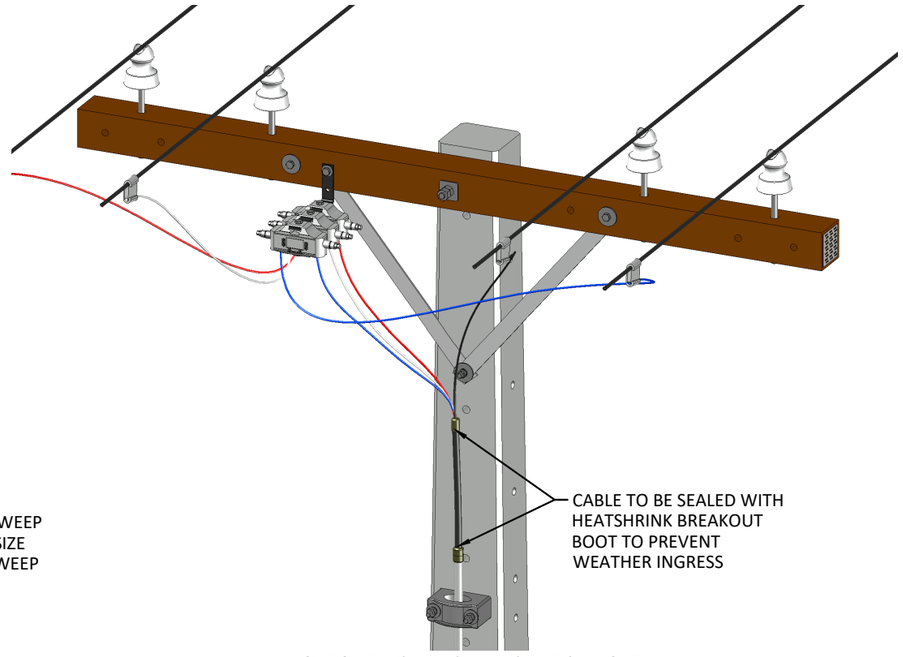




OPTION A - GOOSE NECK CABLE SUPPORT



OPTION B - CABLE CLAMP CABLE SUPPORT

DRAWING NOTES:

1. LV OH SERVICE FUSE BASE TO BE INSTALLED AND CONNECTED BY TOP ENERGY LIMITED IF NOT ALREADY FITTED TO POLE.
   a. WHERE NEW FUSE BASE IS REQUIRED TOP ENERGY SHALL FIT THE SERVICE CABLE UP THE POLE READY FOR LIVENING
2. WHERE THERE IS AN EXISTING OH SERVICE FUSE BASE FITTED UP THE POLE THE WORK TO INSTALL THE SERVICE CABLE SHALL BE UNDERTAKEN BY A TOP ENERGY AUTHORISED LIVENING AGENT AND/OR AUTHORISED SERVICE PROVIDER WITH THE REQUIRED COMPETENCY TO ACCESS TOP ENERGY POLES.
3. LIVENING AGENT TO APPLY THE SERVICE CABLE LABELLING TO TOP ENERGY STANDARD ST-AM-04-010S TOP ENERGY ASSET NAMING STANDARD
   a. REFER TO THE EXTRACT BELOW
4. SERVICE CABLE TO BE TERMINATED IN ACCORDANCE WITH TOP ENERGY STANDARD
   a. LV CABLE RISERS SHALL BE FITTED WITH DUCT TO WITHIN ONE (1.0m) OF THE LV CROSSARM
   b. LV SERVICE DUCT SHALL BE PVC UV STABILISED GREY DUCT
   c. CABLE RISER DUCT SHALL BE SECURED WITH A MINIMUM OF THREE (3) STAINLESS STEEL BANDIT STRAPS (OR OTHER TOP ENERGY APPROVED STRAP MATERIAL)
   d. CABLE RISER CABLES SHALL BE SECURED TO THE POLE WITH A MINIMUM OF ONE (1) CABLE CLAMP TO PREVENT MECHANICAL STRESS ON THE CABLE BREAKOUT AND/OR FUSE BASE
      i. ALTERNATIVELY, SMALLER CABLES MAY BE LOOPED OVER THE LV CROSSARM AND SECURED WITH UV STABILISED CABLE TIE(S) OR GALVANISED CABLE SADDLES.
      ii. DRILLING OF STEEL OF FIBREGLASS CROSSARMS IS NOT PERMITTED.
   e. ALUMINIUM SERVICE CABLES SHALL BE BROKEN OUT TO A MINIMUM OF 35MM COPPER CABLE FOR TERMINATING INTO THE FUSE BASE
      i. ANY BREAKOUT / JOINT TO BE COVERED WITH THICKWALL HEATSHRINK
   f. ALL CABLE EXPOSED TO SUNLIGHT SHALL BE UV STABILISED TO PREVENT DEGRADATION OF THE INSULATION
      i. NON UV STABILISED CABLE AND/OR TAILS SHALL BE COVERED WITH PHASE COLOURED THIN-WALLED HEATSHRINK TUBING.
      ii. NOTE: RED PVC/PVC COPPER CABLE IS GENERALLY NOT UV STABILISED.
   g. NEUTRAL CABLE TO BE FITTED WITH LUG WHERE TERMINATED ONTO TRANSFORMER NEUTRAL BAR.
      i. WHERE TERMINATED ONTO BARE OVERHEAD LINE THE CONTRACTOR SHALL PROVIDE THE APPROVED CONNECTION DEVICE (IPC OR OTHER) READY FOR INSTALLATION.
      ii. NEUTRAL CABLE TO BE SLEEVED WITH BLACK THIN-WALLED HEATSHRINK OVER ENTIRE LENGTH.
5. ELECTRICAL CONTRACTOR TO PREPARE SERVICE CABLE READY FOR INSTALLATION UP POLE INCLUDING
   a. SUPPLY OF DUCTING
   b. SUPPLY OF CLAMPS AND BOLTS IF REQUIRED
   c. SERVICE CABLE BROKEN OUT AND FITTED WITH HEATSHRINK
   d. DIG THE CABLE UP TO THE POLE BASE USING SAFE DIGGING PRACTICES AND IN ACCORDANCE WITH THE REQUIREMENTS OF NZECP:34
6. EXCAVATIONS WITHIN 5m OF A POLE AND EXCEEDING 500mm OF DEPTH, REQUIRE A ENGINEERING ASSESSMENT TO BE DONE.

TOP ENERGY ASSET NAMING STANDARD EXTRACT

- 7.10 LV SERVICE TAILS
  - SERVICE CABLES CAN FEED EITHER SINGLE OR MULTIPLE ICPS. SERVICE CABLES THAT FEED ONE OR TWO ICPS SHALL BE LABELLED WITH A SHORTENED ICP NUMBER OR NUMBERS. THIS SHALL DROP THE LEADING 0'S AND THE 5 LETTERS/NUMBERS FROM TE ONWARDS. THIS SHALL THEN BE FOLLOWED BY THE PHASE INDICATION. EACH TAIL SHALL BE LABELLED SEPARATELY.
  - **EXAMPLES:**
  - *ONE ICP (0000001234TE1G6):*
    - 1234-W, 1234-N
  - *TWO ICP'S (0000001234TE1G6/0000004321TE4RK):*
    - 1234/4321-R, 1234/4321-B, 1234/4321-N

REV	REVISION DESCRIPTION	CONSULTANT DSN	DRN	CHK	QCHK	APPROVED BY	DATE
A	APPROVED FOR CONSTRUCTION	SCC	CE	SB	SCC	AB	11/26
B	NOTE 6 ADDED	NS	CE	AB	SCC	NS	11/26
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

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DRAWN: C EWINS	DATE: 18/11/2026	PROJECT: U - UNDERGROUND	DRAWING NUMBER: U1G0-0030-01 / REV: B
DESIGNER: S COOPER	DATE: 18/11/2026		
ENGINEER: VIASI N	DATE: 18/11/2026	DRAWING TITLE: UG-LV-OTHER-STANDARD / TERMINATION / RESIDENTIAL / POLE UG-LV-N-STND/TERM/RESD	
APPROVER: A BIRT	DATE: 18/11/2026		

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