

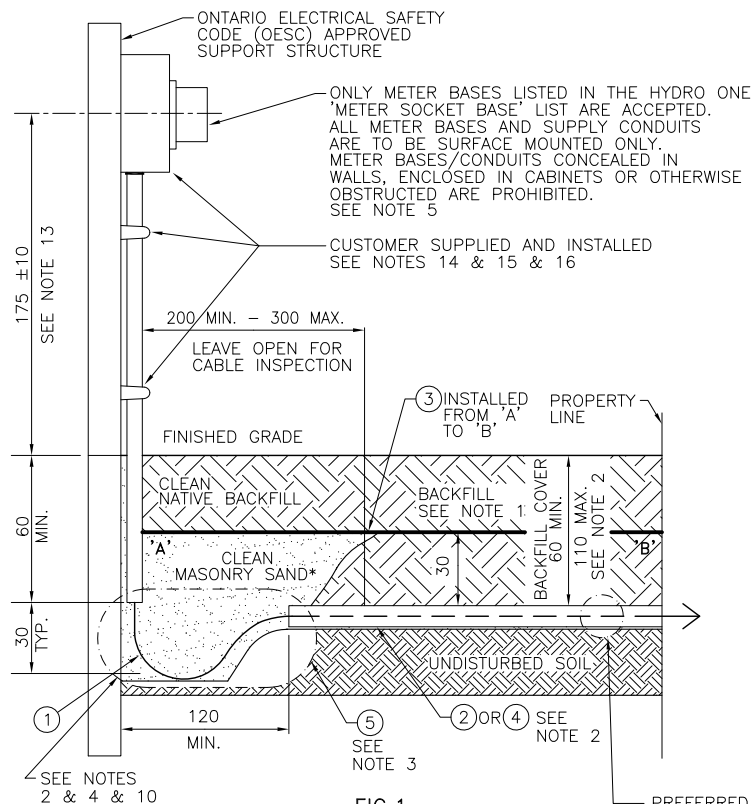


FIG. 1
TYPICAL INSTALLATION
WITH SLACK LOOP
TRANSITION

PREFERRED INSTALLATION
WITHOUT SPLICE
SEE NOTE 9

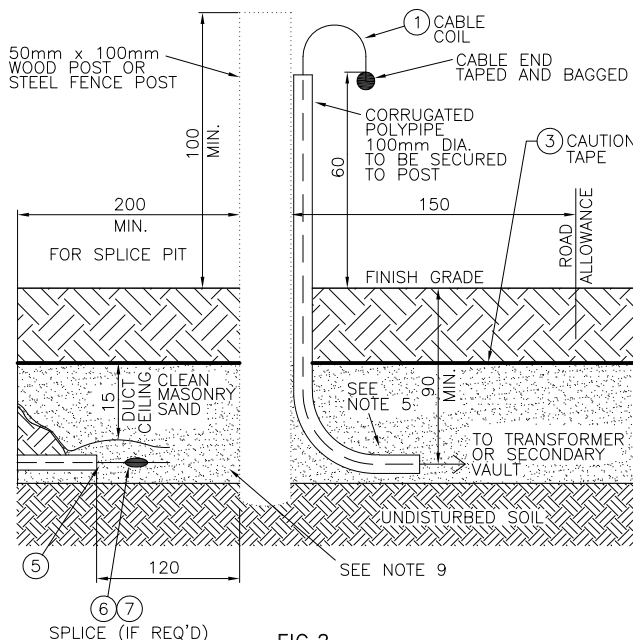


FIG. 2

TYPICAL TEMPORARY TERMINATION OF
SECONDARY SERVICE CABLE AT PROPERTY LINE

FOR SHEET 2 OF THIS DRAWING SEE DU15-131-0501

ALL DIMENSIONS IN CENTIMETRES
UNLESS OTHERWISE STATED

Rev No.	Date	Revision Particulars	dwn	ckd	des	app
02	MAY 2026	UPDATED PART #5 DESCRIPTION, AND NOTE #3 TO CONFORM WITH AN ENGINEERING MATERIAL CATALOG.	PC	MM	VM	MM
01	SEPT 2023	DIRECT BURIED CONTENT FROM THE ORIGINAL DU-03-209-0501-R06 IS NOW SUPERSEDED BY THIS NEW DRAWING/REVISION. CHANGED TO SECTION 15. FOR ALL-IN-DUCT AND FLEXIBLE CONDUIT TRANSITIONS REFER TO DU11-101-0500/0501.	PC	MM	MM	MM

PARTS LIST			
PART No.	MM No.	DESCRIPTION	QTY.
1	30005908	SERVICE CABLE, 3/0 AWG, 3-COND., AL.	A/R
	30005915	SERVICE CABLE, 250Kcmil, 3-COND., AL.	
	30005959	SERVICE CABLE, 500Kcmil, 3-COND., AL.	
2	30007710	CONDUIT, PVC, 4", DB2	A/R
3	20002181	CAUTION TAPE, BURIED ELECTRIC LINE	A/R
4	30007583	CONDUIT, 4", SCHEDULE 40, PVC	A/R
5	20000007	TAPE, PULLING, 5/8" WIDE, POLYESTER	A/R
	30006695	CONNECTOR, SPLICE, 600V, 3/0 AWG	A/R
6	30006455	CONNECTOR, SPLICE, 600V, 250Kcmil	
	30006397	CONNECTOR SPLICE, 600V, 500Kcmil	A/R
7	30008346	COLD SHRINK, 600V, 2/0 AWG-250Kcmil	
	30013875	COLD SHRINK, 600V, 500Kcmil	
MM# = REFER TO SECTION 16 ONLY			A/R = AS REQUIRED
* = SUPPLIED BY CUSTOMER			

Drawn By: PC	Checked By: M.MATEVSKI	Designed By: M.MATEVSKI	Design Approved By: M.MATEVSKI P.Eng.
Scale: N.T.S.	Date: (yyyy/mm/dd) 2022/10/11	Pole ID:	

Title:
TRENCH DETAIL – SECONDARY SERVICE CABLE
FROM UNDERGROUND DIRECT BURIED
TRENCH TO METER BASE

Drawing No.
DU15-131-0500

Rev. No.
02

NOTES:

- BACKFILL: ENSURE DB2 OR SCHEDULE 40 PVC CONDUIT IS ENVELOPED WITH MASONRY SAND UPON INSTALLATION (7.5cm MINIMUM BELOW AND 15cm MINIMUM ABOVE). REMAINDER OF BACKFILL MUST BE CLEAN AND FREE OF DEBRIS TO PREVENT DAMAGE TO THE DUCT. BACKFILL SHALL BE WELL TAMPED.
- STRAIGHT DUCT SHALL BE EMPLOYED IN THE TRENCH TO HOUSE THE CABLE. IT SHALL BE 100mm (4") DIAMETER PVC TYPE DB2 OR SCHEDULE 40 CONDUIT. THE ENDS OF THE DUCT SHALL BE CAPPED OR BAGGED TO PREVENT DEBRIS AND MOISTURE FROM ENTERING THE DUCT PRIOR TO CABLE INSTALLATION. IF OPEN TRENCH ENDS MUST BE LEFT UNATTENDED AFTER CABLE INSTALLATION, INSTALL THE OPTION WITH A LENGTH OF FLEXIBLE CONDUIT TO MAKE 90° TRANSITION, PER DU11-101-0500, AS CABLE SHALL NOT BE LEFT EXPOSED.
- PULL TAPE: A 5/8" WIDE POLYESTER PULLING TAPE MUST BE INSTALLED THROUGH THE ENTIRE LENGTH OF THE DUCT.
- RADIUS MUST BE GREATER THAN THE SPECIFIED CABLE MINIMUM BENDING RADIUS.
- INSTALL METER COMPARTMENT AS PER ONTARIO ELECTRICAL SAFETY CODE (OESC), USE ONLY HYDRO ONE APPROVED METER BASES LISTED IN THE HYDRO ONE 'METER SOCKET BASE' LIST. METER BASE TO MAINTAIN 1M MINIMUM CLEARANCE FROM DISCHARGE OF ANY COMBUSTIBLE GAS RELIEF DEVICE OR VENT.
- TELECOMMUNICATION PLANT MAY SHARE SERVICE TRENCH BUT MUST BE INSTALLED IN ITS OWN CONDUIT.
- PREFERRED ROUTING FOR GAS SERVICE SHALL BE ON OPPOSITE SIDE OF THE BUILDING THAN THAT OF THE ELECTRICAL SERVICE. IF COMMON TRENCHING IS UNAVOIDABLE, 30cm MINIMUM CLEAR SEPARATION SHALL BE MAINTAINED IN ALL DIRECTIONS BETWEEN GAS SERVICE AND ELECTRICAL SUPPLY CABLE.
- CLEARANCES, DEPTHS, SEPARATIONS AND FORMS OF MECHANICAL PROTECTION OF THE CABLE ARE MINIMUM REQUIREMENTS. INCREASED CLEARANCES AND OR ADDITIONAL FORMS OF MECHANICAL PROTECTION ARE CONSIDERED POSITIVE DEVIATIONS AND ARE ALLOWED.
- IF SPLICE AT PROPERTY LINE CANNOT BE AVOIDED, INSTALL AS PER 'FIG.2'. IT IS THE CUSTOMER'S RESPONSIBILITY TO ENSURE BOTH TRENCH ENDS ARE BACKFILLED AFTER CABLE INSTALLATION.
- IF CABLE AT THE METER BASE END IS UNDER CONCRETE OR ASPHALT, INSTALL THE SCHEDULE 40 PVC TRANSITION OPTION, PER PER DU11-101-0500.
- RISER CONDUIT TO BE EASILY REMOVED BY HONI FOR CABLE INSTALLATION PURPOSES.
- IF FURTHER TRENCHING ALONG ROAD ALLOWANCE IS REQUIRED, IT SHALL BE CONSTRUCTED PER HYDRO ONE STANDARD TRENCH PROFILES.
- FINAL METER BASE HEIGHT IN REFERENCE TO FINISHED GRADE.
- CUSTOMER SUPPLIED AND INSTALLED, METER BASE, CLAMPS AND ASSOCIATED HARDWARE INSTALLED PER ONTARIO ELECTRICAL SAFETY CODE (OESC).
- THE METER BASE AND DIP POLE CONDUITS WILL VARY IN SIZE DEPENDING ON CONDUCTOR SIZE (i.e. 2" DIAMETER FOR 3/0 AWG, 3" FOR 250 kcmil OR 500 kcmil CONDUCTOR). ONLY ONE SERVICE CABLE PERMITTED PER CONDUIT.
- THE SUPPLY SERVICE CABLE AT THE METER BASE SHALL BE HOUSED IN ITS OWN DISTINCT CUSTOMER SUPPLIED CONDUIT (CONDUIT SHALL NOT HOUSE ANY OTHER PLANT), AND SHALL NOT HAVE ANY ACCESS PORT (LB CONDUIT FITTING, JUNCTION BOX, ETC.). ANY MODIFICATION TO CUSTOMER OWNED METER-BASE WHICH VIOLATES CSA CERTIFICATION IS NOT PERMITTED.

FOR SHEET 1 OF THIS DRAWING SEE DU15-131-0500

ALL DIMENSIONS IN CENTIMETRES
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Rev No.	Date	Revision Particulars	dwn	ckd	des	app



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Scale: N.T.S.	Date: (yyyy/mm/dd) 2022/10/11	Pole ID:	

Title:
TRENCH DETAIL – SECONDARY SERVICE CABLE FROM UNDERGROUND DIRECT BURIED TRENCH TO METER BASE

Drawing No. DU15-131-0501	Rev. No. 02
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A4 (210 x 297)

millimetres

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10

50

Sheet Number: 2 / 2