



500 Second Line East PO Box 9000  
Sault Ste. Marie, ON P6A 6P2  
www.ssmruc.com

### **General Information for Underground Electric Residential Service**

1. The Customer must request and receive locates from Ontario One Call before trenching if trenching is to be completed by Customer. If completed by PUC, all locates will be requested and received by PUC Contractor.
2. All trenching, conduit and cable installations to be performed by PUC will be completed between **May 1<sup>st</sup> and November 15<sup>th</sup>**. Installation requested outside of the regular timeframe will be considered by PUC with all additional costs to be paid by the Customer prior to installation. All additional costs incurred outside of the stated timeframe due to weather conditions will be the responsibility of the Customer.
3. Customer to supply and install trench and all conduit work as specified on PUC-10-500-A attached (reverse side), PUC meter locate and PUC Conditions of Service ([www.ssmruc.com](http://www.ssmruc.com)).
4. At the time of providing a meter locate to the Customer; PUC Meter Locate Author will identify a trench end point (ex. Pole, handbox, etc.) inclusive of quadrant of pole that the trench/conduit shall extend to. If the utility pole or handbox has not been installed yet, the Customer should wait for PUC to complete the installation prior to finalizing trenching to avoid potentially costly revisions.
5. A rope or string such as ¼" polypropylene rope, polypropylene bailer twine or similar and accepted by PUC prior to installation shall be installed through the conduit when ending at a pole to verify conduit is clear of obstructions and facilitate PUC in pulling cable. When end point is at a handbox, string is not required, but it remains the conduit installer's responsibility that the conduit is clear of obstructions.
6. Where point of supply is not within customer's property, arrangements must be made between the customer and PUC as to trenching instructions. When trenching to a PUC pole, trench depth and width shall be considered to minimize potential safety risks of pole moving.
7. A trench inspection **must** be completed, along with an inspection of all components identified on PUC-10-500-A, by PUC. **Trench shall remain open until inspected.** To arrange for an inspection please contact PUC Customer Care.
8. Cables will be supplied and installed by PUC in all circumstances. Customer purchased or installed cables will not be accepted. The Customer shall not install cables for other purposes in the same conduit with PUC owned cables.
9. The following must be received **before PUC will commence with any work:**
  - Payment for all charges specified on meter locate sheet
  - Any security deposit charges
  - Signature for new accounts
10. Customer is responsible for all site restoration.

#### **New Construction**

- PUC will install and energize cable upon receipt of a signed contract, paid deposits, and ESA approval (Electrical Safety Approval) from the Customer and all PUC inspections completed. ESA sends all approvals directly to PUC.

#### **Converting House from Overhead to Underground Service**

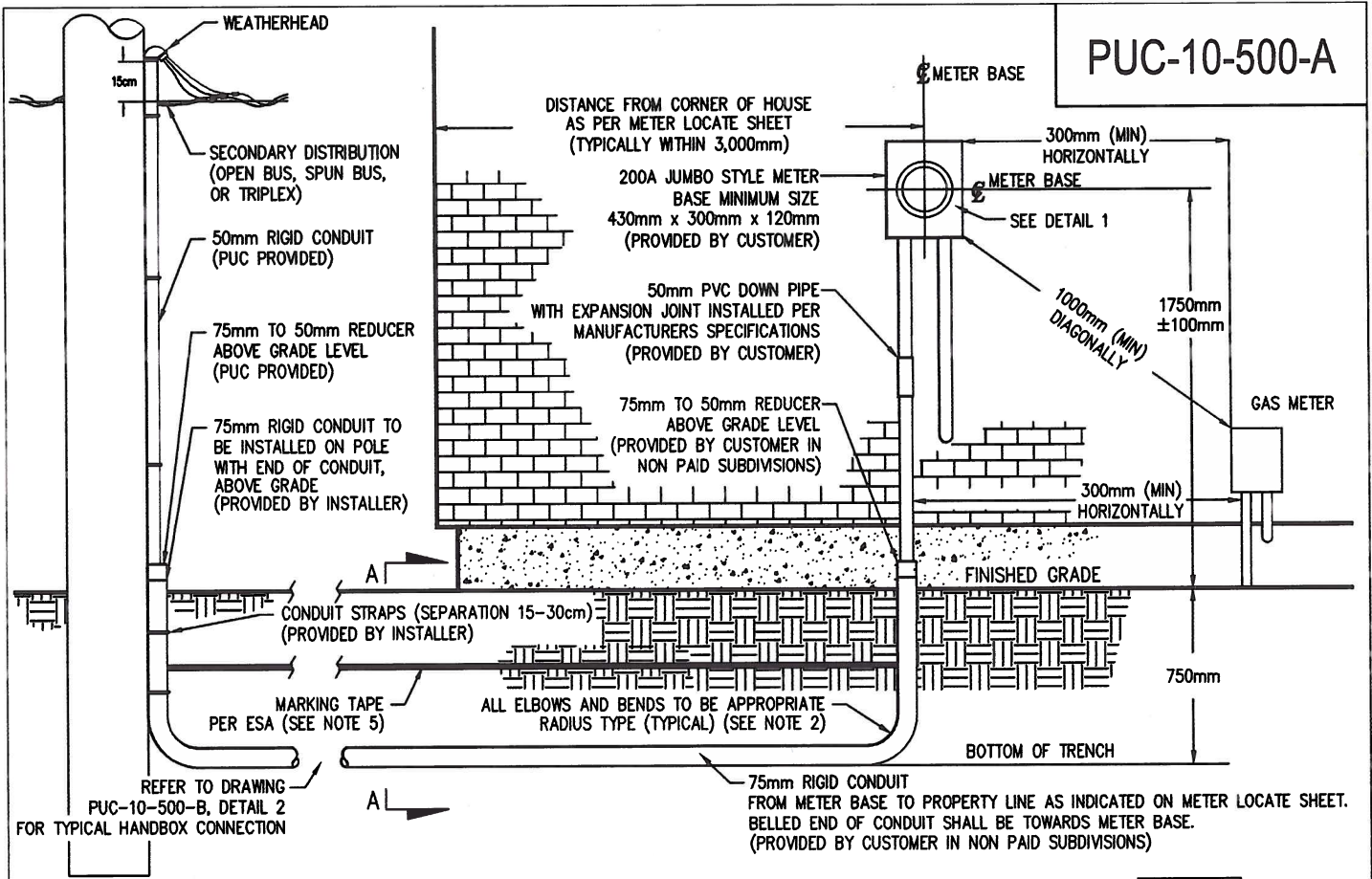
- Customer to contact PUC Customer Care to schedule a disconnect.
- Once all charges have been paid, PUC will install underground cable(s) and leave disconnected prior to disconnection of existing overhead service.
- Re-connect will be completed after approval of ESA is received by PUC and upon completion of all PUC inspections.

**PUC Customer Care 705-759-6522 (General PUC Concerns)**

**Ontario One Call 1-800-400-2255 (All Locates) [www.on1call.com](http://www.on1call.com)**

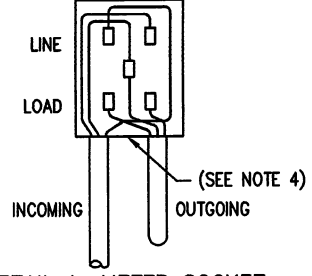
**ESA (Electrical Safety Authority) 1-877-ESA-SAFE (1-877-372-7233)**

**[www.esasafe.com](http://www.esasafe.com)**



PUC-10-500-A

- NOTES:**
- CONDUIT AND COMPONENT SIZES ARE SHOWN FOR 200A SERVICE AND MAXIMUM CABLE RUN OF 94 METERS. CONDUIT SIZES SHALL BE INCREASED BY 25mm FOR 400A SERVICE OR CABLE RUNS GREATER THAN 94 METERS. IF ADDITIONAL MATERIAL IS REQUIRED, COST OF MATERIAL WILL BE THE RESPONSIBILITY OF THE CUSTOMER.
  - CONDUIT BENDS SHALL BE KEPT TO A MINIMUM FROM POINT OF SUPPLY TO METER BASE. SERVICE SHALL HAVE NO MORE THAN 270° OF BENDS INCLUSIVE OF 90° BEND AT RISER FOR OVERHEAD POINT OF SUPPLY. ALL BENDS SHALL HAVE A MINIMUM RADIUS OF 305mm (12"). ACCEPTANCE OF BENDS AND RADIUSSES SHALL BE AT THE DISCRETION OF PUC.
  - ALL CONDUITS SHALL BE SURFACE MOUNTED AND VISIBLE ON THE EXTERIOR OF THE STRUCTURE. CONDUITS SHALL NOT PENETRATE EXTERIOR WALLS OR BE ENCASED. IF RECESSED, CONDUIT MUST HAVE MINIMUM 100mm SPACES ON EITHER SIDE TO FACILITATE REPAIR OR REPLACEMENT. ALL METER BASES SHALL BE INSTALLED SUCH THAT THE CENTRE KNOCKOUT OF METER BASE IS ACCESSIBLE FOR TEMPORARY POWER. MINIMUM DISTANCE OF 30cm OF FREE SPACE BELOW KNOCKOUT.
  - INCOMING SUPPLY SHALL NOT BE LOCATED IN CENTRE KNOCKOUT OF METER BASE AND LOAD SIDE CABLES SHALL STAY BELOW LOAD SIDE LUGS.
  - ALL WARNING TAPE SHALL BE CONTINUOUS RED PLASTIC MARKER TAPE(S) WITH BLACK LETTERS IDENTIFYING POWER LINES UNDERGROUND INSTALLATION, INSTALLED APPROXIMATELY HALFWAY BETWEEN INSTALLATION AND GRADE LEVEL AS REQUIRED BY OESC RULE 12-012.
  - A PULLSTRING SHALL BE INSTALLED IN CONDUIT FROM POLE TO METER BASE DURING INSTALLATION OF CONDUIT.

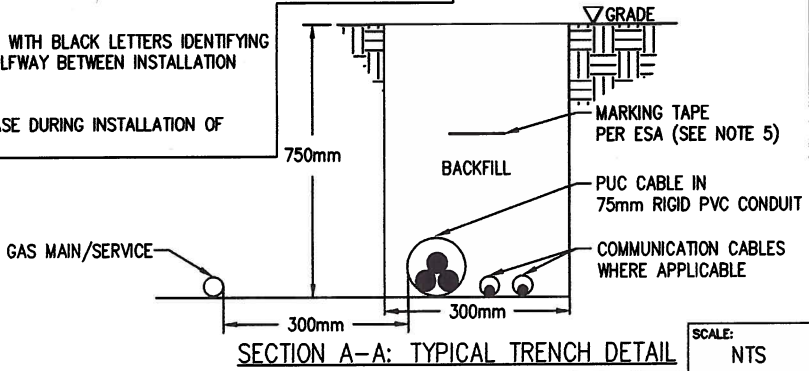


DETAIL 1: METER SOCKET  
(430mm x 300mm x 120mm)

**CERTIFICATE OF APPROVAL**  
The installation work covered by this document meets the safety requirements of Section 4 of Regulation 22/04

*Darren Seabrook* 2017.01.19  
Name Date

*P. ENG*  
Signature & Professional Designation



SECTION A-A: TYPICAL TRENCH DETAIL

SCALE: NTS

<b>PUC SAULT STE. MARIE, ONTARIO</b>			
5	CONDUIT STRAPS & GAS MAIN	01/16/17	M.C.
4	MEASUREMENTS TO GAS METER	01/21/16	M.C.
3	MEASUREMENTS TO GAS METER	01/19/16	M.C.
No.	Revision	Date	Initial

**STANDARD INSTALLATION DRAWING**

**U/G RESIDENTIAL SERVICE  
TYPICAL METER BASE INSTALLATION**

DRAWN BY: J. TEVC	DATE: MAR 3/09
CHECKED BY: J. ROBINSON	DATE: MAR 18/09
APPROVED BY: <i>[Signature]</i>	DATE: 2017.01.19
Drawing Number: PUC-10-500-A	Rev. 5