

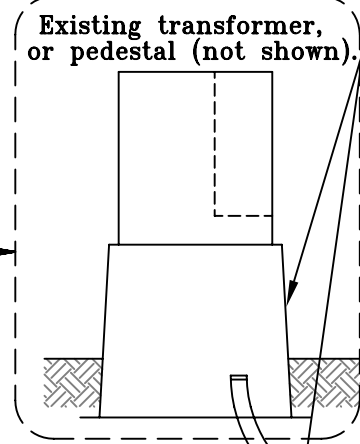
Notes:

1. Customer installs elbow and one stalk of rigid conduit up riser pole after standoff brackets are installed by CORED. CORED shall install the remaining conduit, clamps, and weather head.
2. CORED will measure and determine the length of rigid galvanized conduit to be left by the customer for CORED's installation above the first stalk of riser.
3. Customer shall not get within 6 inches of the lowest wire at any time.
4. Customer to install 5/8 inch diameter, 8 foot long, copper or copper clad ground rod. If pole ground already exists, ground rod requirement is waived. Customer shall not alter any existing grounding at pole.
5. CORED shall be responsible for grounding conduit mounting brackets to ground rod and pole.
6. CORED will spot the location of the conduit riser at the pole.
7. CORED will supply and install any required brackets on the pole.
8. Conduit size is a function of wire size, and distance to the meter.

Notes:

1. Ground rod shall be 8 feet long, 5/8 inch diameter, copper or copper clad. Other grounding methods may be used if approved by Code Enforcement.
2. Size of copper ground wire is a function of service size as described in NEC Table 250.66. If unsure of the correct size, then use #2 copper.
3. Do not encase ground rod or ground wire in concrete.
4. Distance from existing pedestal or transformer to meter base not to exceed 200 feet without CORED approval. Additional pedestals will likely be required for services that exceed 200 feet.
5. Burial of pedestals is allowed with 6 inches or less of cover. A plastic covering shall be placed over the pedestal prior to back filling.
6. If more than 225 degrees of bends exist, an electric duty pedestal (refer to CORED Standard 517) is required.
7. It is recommended that the meter be located per Detail "A".
8. Provide a minimum of 12 inches of vertical clearance to phone, cable television, private water, and private sewer facilities.
9. Provide a minimum of 3 feet of horizontal clearance to all primary water, sewer, storm water drainage, or natural gas facilities.
10. If CORED encounters obstructions which prevent the secondary service cable from being pulled, i.e. joint slippage, it is the customer's responsibility to dig up and correct the conduit system.
11. All PVC joints shall be glued.
12. Installation shall conform to all NESC standards.
13. Conduit shall be plugged and cleaned
14. Back fill trench with clean soil.
15. Insert a 1/4 inch or larger pull string into the full length of the conduit plus 30 feet. This will ensure that the conduit is free of obstructions.
16. A CORED representative (425-1803) shall inspect and approve installation in writing before the trench is filled.

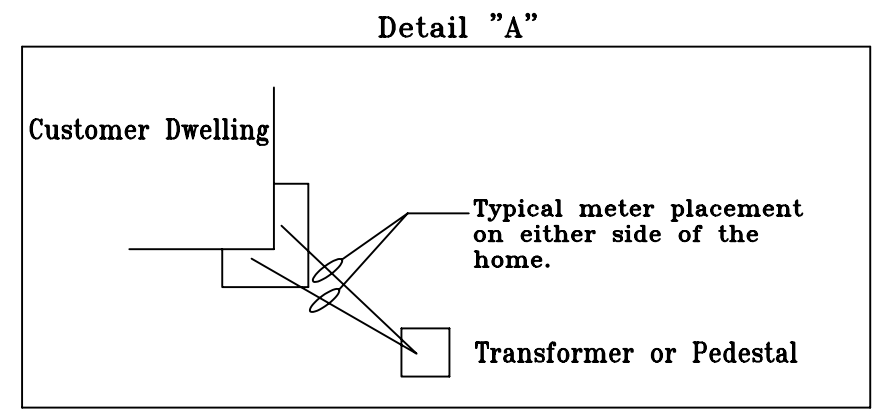
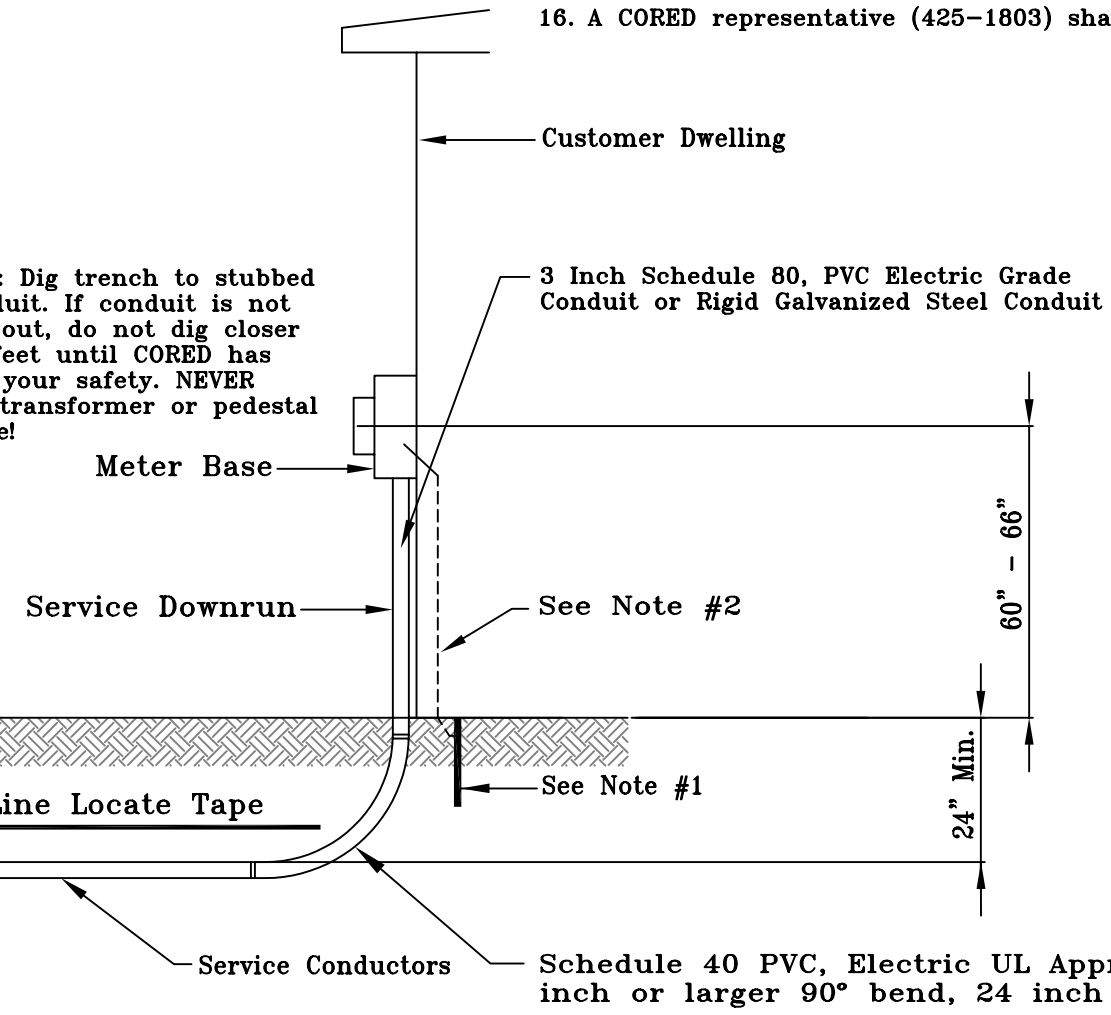
WARNING: Dig trench to stubbed out conduit. If conduit is not stubbed out, do not dig closer than 2 feet until CORED has ensured your safety. NEVER enter a transformer or pedestal enclosure!



Schedule 40 PVC, Electric UL Approved, 3 inch or larger, 90° bend, 24 inch sweep.

Electric Line Tape is to be a minimum of 12" above conduit.

Schedule 40 PVC, Electric UL Approved (gray type), 3 inch or larger, unless approved otherwise by a CORED engineer. Bury so that top of conduit is 24 inches from existing grade.



REV	DATE	DRWN	APPD	DESCRIPTION
4	2-26-10	PWS	MEB	Updated grounding to meet code. Removed "Trench (Final Grade)" note.
2	7-28-09	JRW	MEB	Added note about installation of standoff brackets.
3	1-1-10	PWS	MEB	HANDBOOK UPDATE.

**RESIDENTIAL UNDERGROUND
SECONDARY SERVICE EXTENSIONS**

SUPERSEDES: 429.S04.R04		SCALE: NTS
DRWN: JWarner	APPD: MEB	DATE: 7-3-07
CORED STANDARD NUMBER		429 R 4