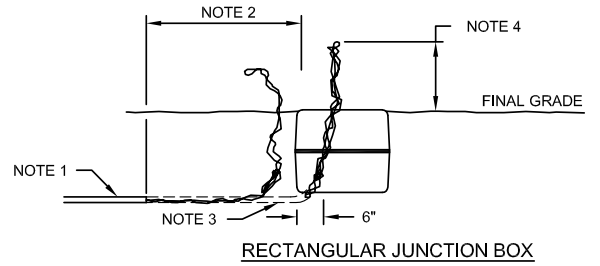
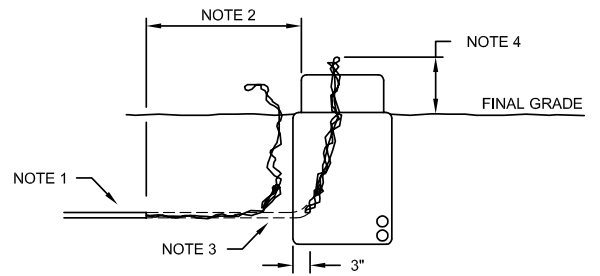


SERVICE ENTRANCE



RECTANGULAR JUNCTION BOX



TRANSFORMER VAULT

SOURCE ENTRANCE



SPRINGFIELD UTILITY BOARD
 ENGINEERING STANDARD DISTRIBUTION
 PROCEDURES & POLICIES
 TYPICAL UNDERGROUND SERVICE

DATE | DWN | STD | CHK | APP
 9/16/2009 | SK | SK | TJ | RM

STANDARD NUMBER


ESD 0105

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NOTES:

1. Customer to provide and install PVC conduit (2" minimum, no half sizes) and minimum 4/0 cable. All elbows must be schedule 40 long sweep with 36" radius. No more than 270 degree (3 – 90's) of bends.
2. Within 8 feet of junction box or vault the customer provided trench shall be at least 18" wide and dug deep enough to allow for conduit access from below junction box or through knockout in vault. "Employ hand tools or other such non-invasive methods to determine the exact location of the underground facility when excavation is to be made within the reasonable accuracy zone." (OAR 952-001-0090c)
3. Customer to provide at the job site:
 - A. For a junction box installation, 1 section of PVC conduit, 1 – 90 degree schedule 40 long sweep elbow to reach six inches (6") under junction box and two (2) couplings. See ESD 0075 for installation details.
 - B. For a transformer vault installation, 1 section of PVC conduit to reach three inches (3") through vault knockout, two (2) couplings, and end bells. See ESD 0070 for installation details.
 - C. DO NOT ENTER SUB junction box or vault.
4. Customer to provide enough conductor length so that at least 2 feet of cable projects above junction box or vault lid.
5. At no point shall conduit run beneath permanent structures or objects.
6. **CUSTOMER TO COORDINATE INSPECTION OF TRENCH, CONDUIT, AND ENTRY OF CONDUIT AND CABLE INTO JUNCTION BOX OR VAULT WITH SUB.** Do not backfill until SUB representative inspects trench and conduit. A service inspection sticker shall be placed on conduit at service entrance for verification of inspection. Open trenches pending inspection shall be adequately protected by customer.
7. Meter base must pass city inspection prior to connection.

REVISIONS	
Date	Description
9/11/02	Created
7/21/08	Reformatted, drawing updated, note 4 updated, and note 6 added.
9/16/09	Updated note section to include OAR reference and remove comment about ending PVC conduit 6 feet short of junction box or vault.

	<p>SPRINGFIELD UTILITY BOARD ENGINEERING STANDARD DISTRIBUTION PROCEDURES & POLICIES TYPICAL UNDERGROUND SERVICE</p>	<p><small>DATE DWN STD CHK APP</small> <small>9/16/2009 SK SK TJ RM</small></p> <p>STANDARD NUMBER ESD 0105 Page 2 of 2</p>
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