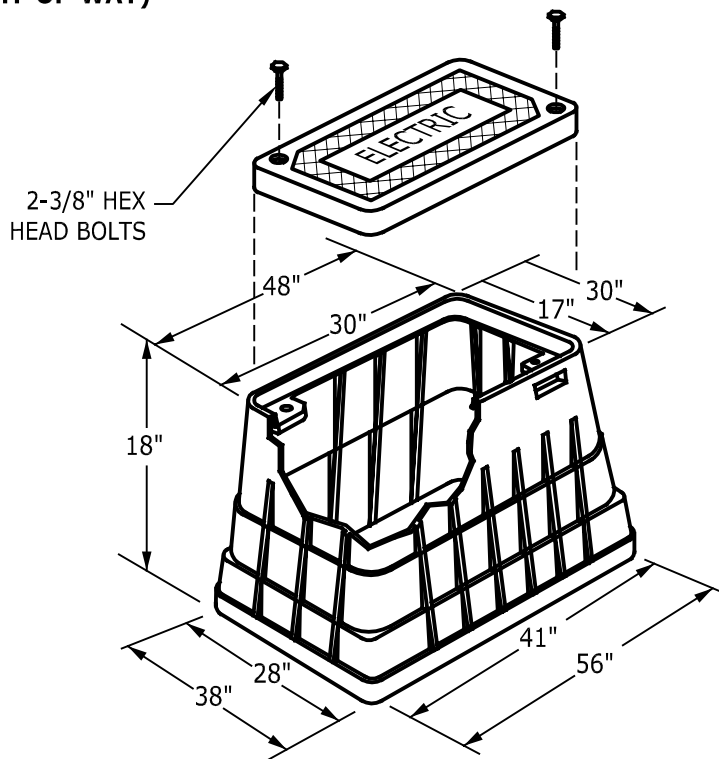
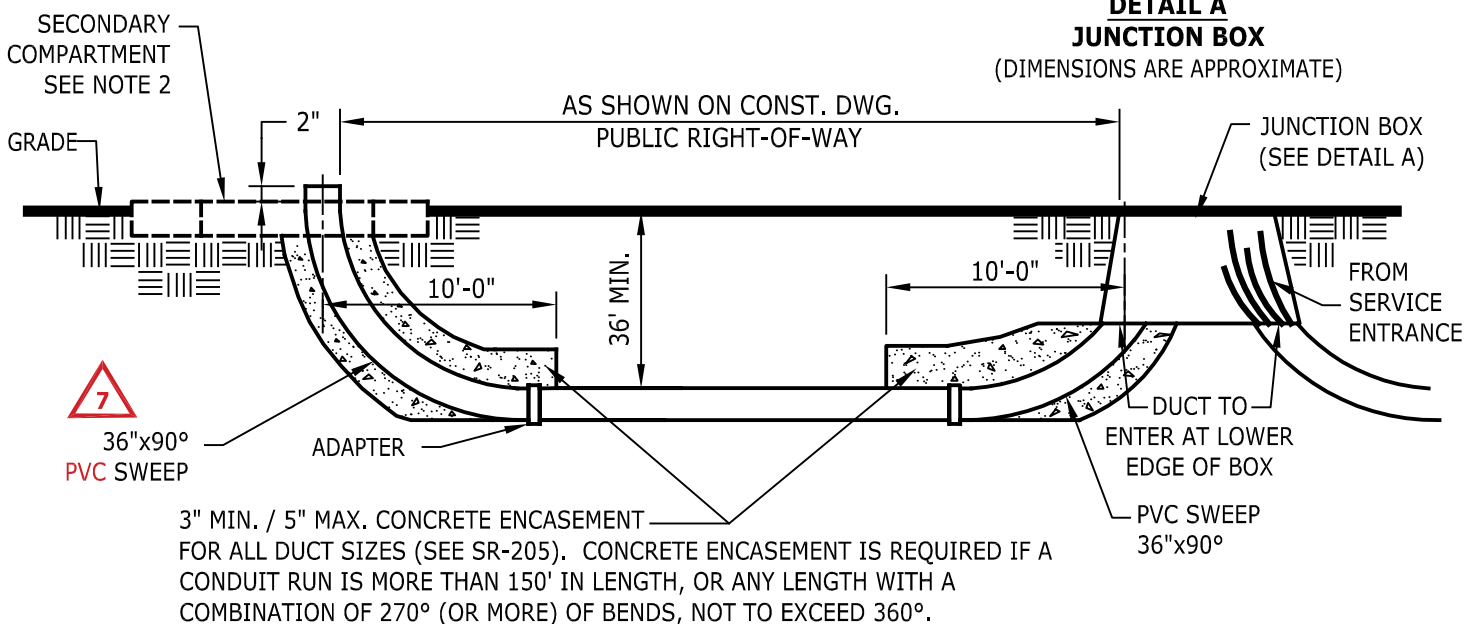


**USE:** 3Ø, 4-WIRE SERVICE  
208Y/120V,  
OR 480Y/277V, 600A

**3Ø UNDERGROUND SERVICE  
FROM PAD MOUNTED TRANSFORMER, 600A  
(APPLICABLE FOR CROSSING  
PUBLIC RIGHT-OF-WAY)**



**DETAIL A  
JUNCTION BOX**  
(DIMENSIONS ARE APPROXIMATE)



THESE REQUIREMENTS APPLY TO COMMERCIAL AND INDUSTRIAL CUSTOMERS WHO WILL BE SERVED UNDERGROUND FROM AN UNDERGROUND SYSTEM WITH THREE-PHASE SERVICE ENTRANCE EQUIPMENT RATED 600A OR LESS AND 480V OR LESS LOCATED SUCH THAT THE CUSTOMER'S SERVICE CONDUCTORS MUST CROSS PUBLIC RIGHT-OF-WAY.

# THREE-PHASE UNDERGROUND SERVICE FROM PAD-MOUNTED TRANSFORMER, 600A



## Customer Responsibilities

1. Provide and install an approved secondary junction box. The box size to be determined by Design Services. The junction box must include a polymer concrete cover with recessed hex head bolts. Align the junction box so that the ducts terminate at the bottom edges of the ends (the faces having the shorter dimension). The top of the box shall be flush with established final grade. See item #6 for approved manufacturers.
2. Provide and install a 4 inch duct from the bottom edge of the junction box to the Company transformer. Extend the duct into the secondary compartment of the transformer pad as depicted in SR-233, Note 2. For access to pad-mounted equipment refer to Section 100.
3. Provide and install service cable (maximum of three conductors per phase) from the service entrance to the junction box. Cut cables so that they extend to the opposite end of the junction box to provide length required for by Service Provider assembly of connections. Conductors shall not be smaller than 1/0 AWG nor larger than 600kcmil. Secure the lid to the box with hex head bolts.
4. Identify at the junction box, the neutral conductor(s) in accordance with National Electrical Code requirements.
5. Identify all conductors with phase tape to insure proper connection. Each neutral conductor from a service lateral is to be identified with an aluminum embossed permanent address tag at the box, 12 inches above the conduits.
6. Material & Approved Manufacturers



### 17"x30" Junction Box (20k Rated)



- Armorcast Products Co., Cat. No. 6001640-AS
- Christy Concrete Products - Cat. No. FL36BOX18
- CDR Systems - Cat. No. PA30-1730-18S
- Electrimold Inc. - Cat. No. ECAA-173018-100
- New Basis - Cat. No. FMA173018TN20001P212N00000
- Quazite - Cat. No. PT1730BA (Box), PG1730CA00 (Cover)





### 30"x48" Junction Box (20k Rated)

- New Basis., Cat. No. FCA304818T-00042
- Armorcast Products Co. - Cat. No. A6001550AX18

## Service Provider Responsibilities

1. Specify location for junction box. Location of the junction box should be in a non-traffic area. If located in a traffic area, protective posts must be installed per SR-230.
2. Provide and install cable in the duct from transformer to junction box.
3. Provide and install connectors at junction box. The load terminals of these connectors shall be the point of delivery for this installation.
4. Maintain the junction box after the service is connected to Company distribution system.

		INITIATED BY	SC	REVISION NO.	12	SR-309 Pg. 2 of 2
		ESR COMM.	4-85	ESR COMM.	1-20	
		ESR COMM.	4-85	EFFECTIVE DATE	1-20	