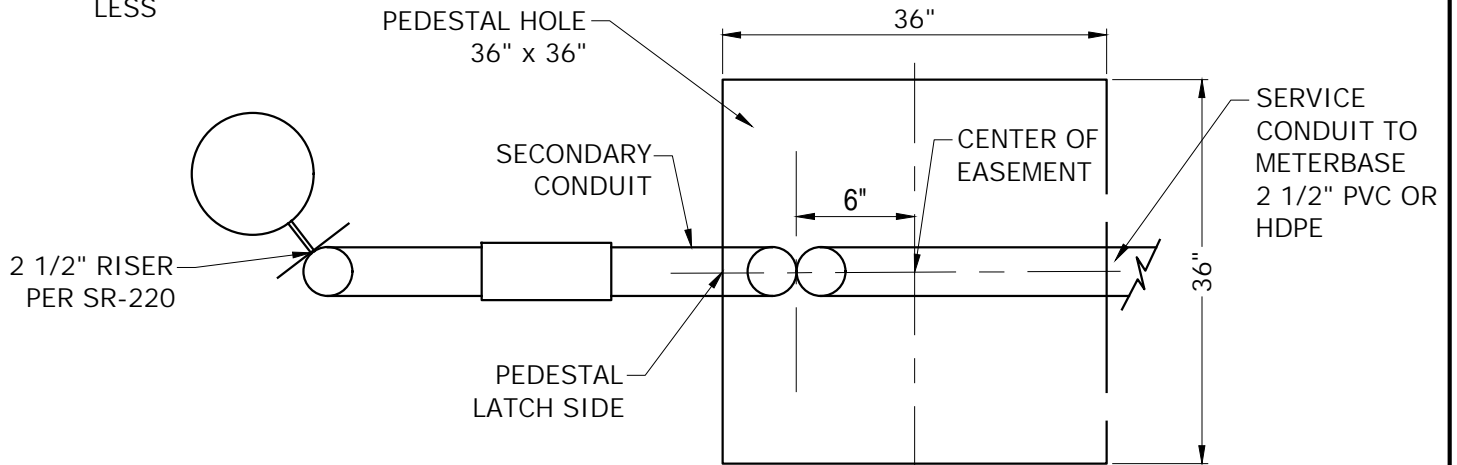
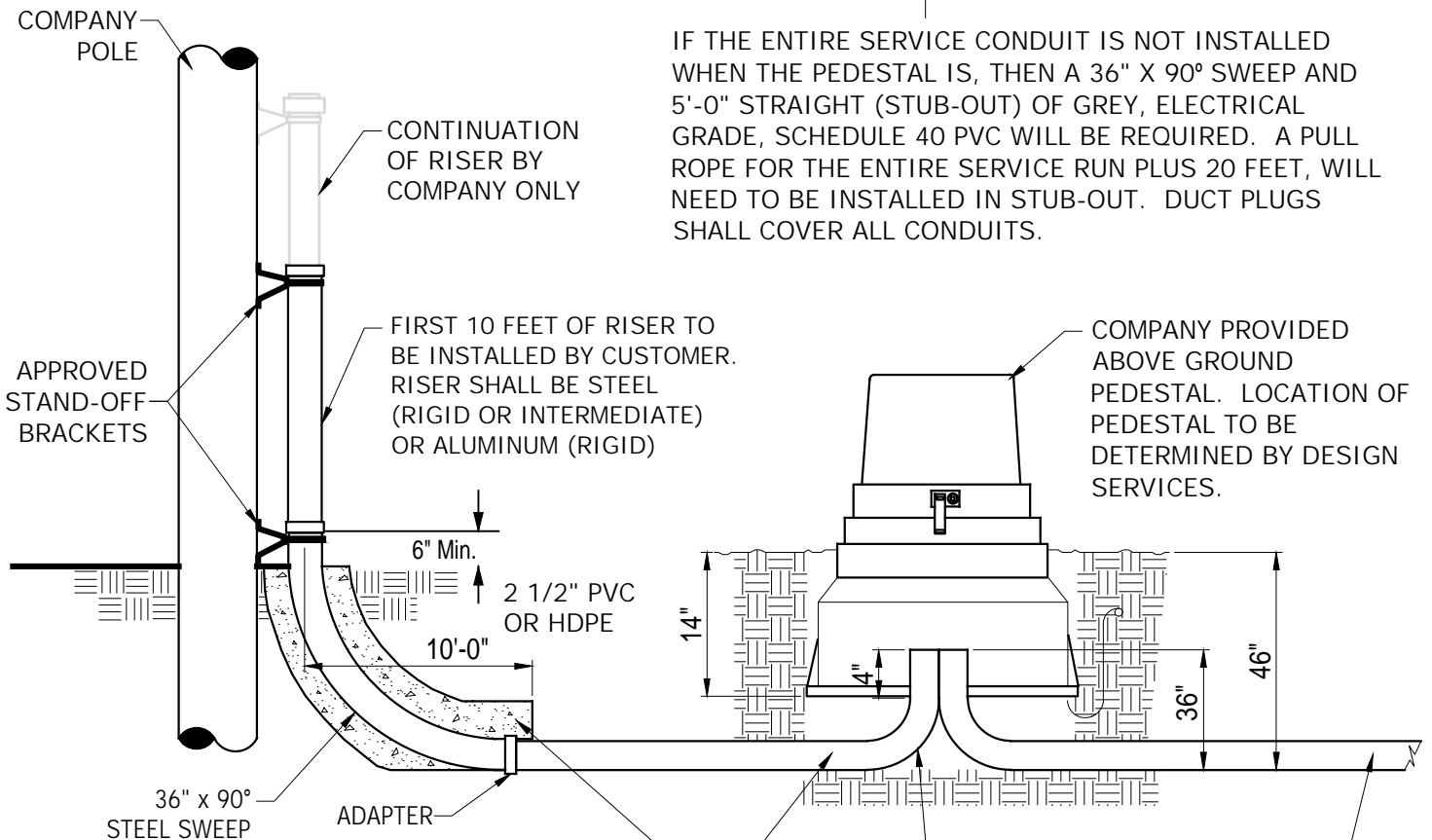


USE: SINGLE-PHASE,  
3-WIRE SERVICE  
240/120V, 400A OR  
LESS

SINGLE-PHASE UNDERGROUND  
SERVICE FROM OVERHEAD, 0-400A



IF THE ENTIRE SERVICE CONDUIT IS NOT INSTALLED WHEN THE PEDESTAL IS, THEN A 36" X 90° SWEEP AND 5'-0" STRAIGHT (STUB-OUT) OF GREY, ELECTRICAL GRADE, SCHEDULE 40 PVC WILL BE REQUIRED. A PULL ROPE FOR THE ENTIRE SERVICE RUN PLUS 20 FEET, WILL NEED TO BE INSTALLED IN STUB-OUT. DUCT PLUGS SHALL COVER ALL CONDUITS.



3" MIN. - 5" MAX. CONCRETE ENCASEMENT IS REQUIRED FOR PVC OR HDPE WITH PVC 36" x 90° SWEEPS IF CONDUIT LENGTH EXCEEDS 150 FEET OR ANY LENGTH WITH A COMBINATION OF 270° (OR MORE) OF BENDS. NO CONTINUOUS CONDUIT SYSTEM SHALL EXCEED 360° TOTAL BENDS.

NO CONCRETE IS REQUIRED WITH A CONTINUOUS WAVE-RIB INSTALLATION.



# SINGLE-PHASE UNDERGROUND SERVICE FROM OVERHEAD, 0-400A



## CUSTOMER RESPONSIBILITIES

- At the specified Company pole, provide and install a 36" x 90° steel sweep and the first 10 feet length of steel (IMC or RMC) riser up the pole. From the riser extend a 2 1/2" duct system ending with a 4 inch stub above the sub-grade; within the pedestal hole. If the entire service conduit is not installed when the pedstal and secondary conduit is, then a 36" x 90° sweep and 5 feet straight (stub-out) of Grey Electrical Grade, Schedule 40 PVC will be installed. A pull rope for the entire service run plus 20 feet, will need to be intalled in the stub-out. Duct plugs shall cover all conduits. The duct installation shall meet the requirements of SR-205.

Concrete encasement is required where a duct run exceeds 150 feet, between the riser pole and the secondary pedestal, or any length with a combination of 270° (or more) of bends. Encasement will be required on the vertical sweep and for a length of 10 feet horizontal. No continuous conduit system shall exceed 360° total bends.

Rigid steel, IMC, and rigid aluminum conduit must have a protective tape applied. The tape is to be installed starting 6 inches above final grade down beyond the (Shur-Lock II or PVC) coupling joint. Use 10mil protection tape in a half lap installation.

- The duct size shall be 2 1/2 inches for service entrance ratings of 0-400 Amps. All risers must be secured to pole with standoff brackets (see Approved Material on this page).
- The Company will supply the customer with the above ground pedestal which the customer is to install. A one week notice is needed to allow for scheduling by Design Services. A site contact name, phone number, and location of material staging area needs to be provided when making arrangements for delivery. A signature will be required upon delivery. It is the customer's responsibility for the care of the material. Any lost or damage material will be the responsibility of the customer to replace with Company approved material.
- Any existing cable-in-conduit (CIC) secondary or service cables that are required to be relocated to the new pedestal will require the installation of the previously specified stub out. Design Services will advise the customer on the direction of placement.
- Refer to SR-108 for Right-of-way and Easement requirements.

## APPROVED MATERIAL

- 2 1/2" Standoff Bracket  
Aluma-Form, Inc., Cat. No. 4-CSO-7/.STK-2.5T
- Lag Screw, 1/2" X 4"
- Riv-Nut - AB66900 (see SR-220)
- Riv-Nut Installation Tool - 131638

## SERVICE PROVIDER RESPONSIBILITIES

- Specify location for pedestal and on which quadrant pole riser is to be attached. Location of the pedestal will normally be 7 to 12 feet from pole, but should be in a non-traffic area. If located in a traffic area, protective posts must be installed per SR-230.
- Provide and install continuation of duct on Company pole and ground the metal riser.
- Provide and install cable in the duct from pole to the pedestal.
- Provide the above grade pedestal. Provide and terminate the secondary and service conductors.
- Maintain the pedestal after the service is connected to the Company distribution system.



 <b>TEP</b> Tucson Electric Power	 <b>UniSourceEnergy</b> SERVICES SANTA CRUZ COUNTY	INITIATED BY	GC	REVISION NO.	3	SR-308A Pg. 2 of 2
		ESR COMM.	6-05	ESR COMM.	9-20	
				EFFECTIVE DATE	9-20	