

CONDUIT INSTALLATION SPECIFICATIONS FOR UNDERGROUND ELECTRIC SERVICE

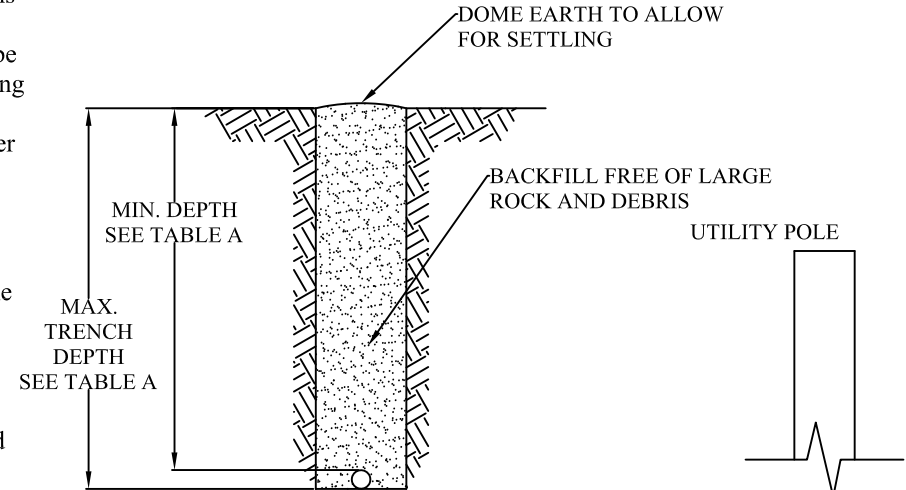
NOTES:

- JPEC does not install direct-buried cable. Conduit systems are required where underground wire is located.
- The minimum depths specified are as measured from final grade to the top surface of the pipe.
- The member shall contact a JPEC representative prior to construction to obtain approval for the location and route of the conduit system to be installed.
- If a JPEC representative determines that a pull box or boxes are necessary, the member will be required to stub the conduit above ground level at the specified location. Typically, the length of one pull will not exceed 600 ft for a primary line and 150 ft. for secondary.
- When the trench is being prepared, the bottom should be level and free of debris.
- The trench should be as straight as possible. The maximum number of bends in any single run of conduit should not exceed 270° or the equivalent of three 90° bends. Where necessary, we require 24" radius elbows. Upon request, 24" GRC elbows may be required by JPEC for pulls greater than 350'.
- If a conduit is jointed, it is important that all joints be properly made, glued, and cured before pulling begins to eliminate separation during the pulling process.
- When the conduit extends up to a utility pole for interconnection with an existing overhead line, it should be temporarily strapped to the pole during the backfill process. This ensures that it is flush with the pole during connection and no additional digging is required.
- All exposed ends of conduit should be plugged during construction to prevent the entrance of foreign matter and moisture into the conduit.
- The member is required to dig up to within 5 ft. of a padmount transformer or other enclosure and leave enough material for JPEC employees to finish the job.
- The member will be allowed to horizontal bore on a case by case basis once approved by a JPEC representative. If allowed to bore, the member must provide JPEC with a printout from the boring machine showing the depth and route of the bore. Maximum and minimum boring depths are the same as requirements for trenching.
- Exposed section of conduit from the ground to the meter base shall be SCH 80. An expansion joint is required between the ground and meter base.
- The conduit system must be installed to meet JPEC specifications as well as all applicable local codes and regulations.
- Materials or workmanship deemed noncompliant with these standards by a JPEC representative will be subject to rejection.** If required by the representative, the member must remove or correct the rejected material and/or workmanship and furnish and install, at the member's expense, approved material and/or workmanship. If JPEC crews are unable to perform work due to obstructions in the conduit system or any customer noncompliance with these specifications, they will leave the job site and work will be rescheduled.
- JPEC will pull wire only after the conduit system has been approved by a JPEC representative and the service has been inspected by the appropriate local electrical inspector.** After wire installation, JPEC will assume ownership, liability, and future maintenance of the wire and the conduit system

State law requires any excavator to contact 811 for underground facility location at least 2 full working days, or more depending on the project scope, prior to excavation as defined in the Commonwealth of Kentucky's Underground Facility Damage Prevention Act of 1994. Underground facilities can be located by dialing 811 or toll-free **(800) 752-6007**.



These specifications do not in any way preempt federal, state or local codes. Where conflict exists, the more stringent rule will apply. More detailed information about state and local codes can be obtained by contacting your local electrical inspector. **No connection or hookup shall be made until JPEC has received a certificate of inspection or certificate of exemption from the agency having jurisdiction.**



CONDUIT SHOULD BE FLUSH WITH POLE AND 12" ABOVE FINAL GRADE

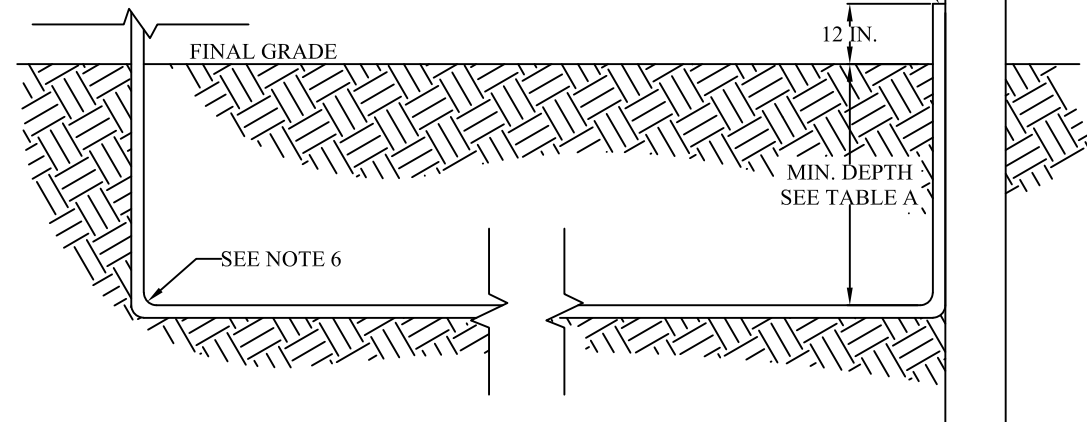


TABLE A: REQUIRED CONDUIT SIZES AND DEPTHS

	Size	Type	Min. Depth	Max. Trench Depth
1-Phase Primary	2.5"	SCH 40* Gray Electrical Grade PVC or Electrical Grade Poly Pipe (Solid Red or Black w/ Red Stripe Only)	48"	60"
3-Phase Primary	4"	SCH 40* Gray Electrical Grade PVC or Electrical Grade Poly Pipe (Solid Red or Black w/ Red Stripe Only)	48"	60"
1-Phase Secondary	3"	SCH 40* Gray Electrical Grade PVC or Electrical Grade Poly Pipe (Solid Red or Black w/ Red Stripe Only)	36"	48"
3-Phase Secondary	4"	SCH 40* Gray Electrical Grade PVC or Electrical Grade Poly Pipe (Solid Red or Black w/ Red Stripe Only)	36"	48"

*Exposed conduit from the ground to the meter base shall be SCH 80.