

**ELECTRICAL PVC SCHEDULE 80 MATERIAL LIST  
FURNISHED AND INSTALLED BY MEMBER**

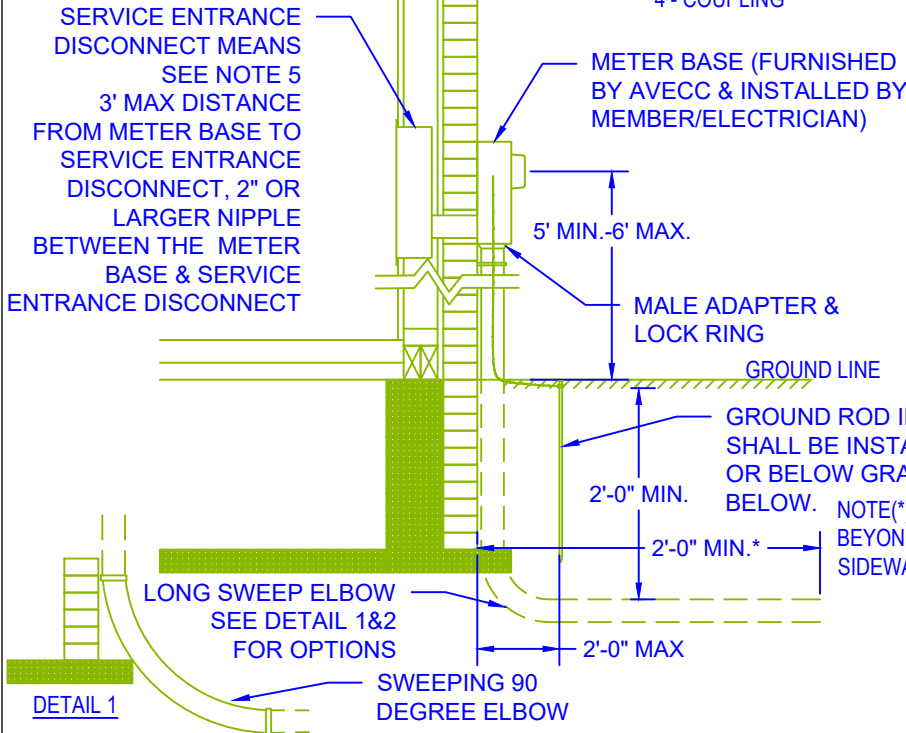
- 1 - JOINT OF 3" PVC PIPE 10' LONG
- 2 - SWEEP ELBOW
- 3 - MALE ADAPTER & LOCK RING
- 4 - COUPLING

**MAKE AN ARKANSAS ONE CALL  
48 HOURS BEFORE YOU DIG  
DIAL 1-800-482-8998**

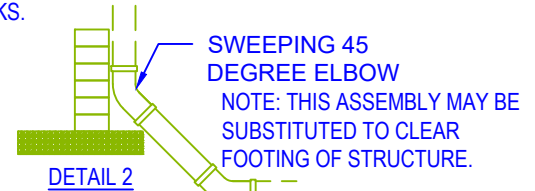
IT SHALL BE A MEMBER'S  
RESPONSIBILITY TO STAY CLEAR  
OF ALL UNDERGROUND FACILITIES

**NOTICE**

THIS DRAWING ILLUSTRATES AVECC REQUIREMENTS ONLY, AND IS NOT INTENDED TO BE A COMPREHENSIVE GUIDE FOR THE INSTALLATION OF AN ELECTRICAL SERVICE. TO INSURE A SAFE, QUALITY INSTALLATION THAT COMPLIES WITH THE NATIONAL ELECTRICAL CODE, AND LOCAL CODE REQUIREMENTS; THE COOPERATIVE RECOMMENDS THAT ALL WORK BE DONE BY A QUALIFIED, LICENSED ELECTRICAL CONTRACTOR.



NOTE(\*): EXTEND CONDUIT A MINIMUM OF 2'-0" BEYOND ASPHALT/CEMENT DRIVEWAYS AND SIDEWALKS.



**NOTES**

1. MEMBER PROVIDES AND INSTALLS: SERVICE ENTRANCE CONDUCTORS, CONDUITS, SERVICE DISCONNECT SWITCH, GROUND ROD IF NECESSARY, WIRE, AND ALL RELATED MATERIALS. ALL WORK SHALL COMPLY WITH COOPERATIVE STANDARDS, THE NATIONAL ELECTRIC CODE, AND AUTHORITIES HAVING JURISDICTION.
2. COOPERATIVE PROVIDES AND INSTALLS METER AND CONNECTS COOPERATIVE SIDE OF METER BASE. SEE DRAWING SPEC-0000004.
3. THIS SERVICE SHALL BE INSTALLED ON THE BUILDING AT A LOCATION MUTUALLY AGREED UPON BY THE MEMBER AND THE COOPERATIVE.
4. ALL CONDUITS SHALL BE ELECTRICAL GRADE PVC,EMC,IMC, OR RMC.. ALL CONDUIT CONNECTIONS SHALL BE RAIN-TIGHT.
5. THE SERVICE ENTRANCE DISCONNECT MEANS SHALL BE INSTALLED AT A READILY ACCESSIBLE LOCATION EITHER OUTSIDE OF A BUILDING OR STRUCTURE, OR INSIDE NEAREST THE POINT OF SERVICE CONDUCTOR ENTRANCE(NOT ALLOWED IN CLOSETS OR BATHROOMS). SERVICE ENTRANCE DISCONNECTS SHALL BE EITHER FUSED OR BREAKER TYPE, SERVICE ENTRANCE RATED.
6. MINIMUM OF 3 FEET OF CLEARANCE BETWEEN ELECTRIC METER AND GAS METER.
7. GROUND WIRE MUST BE ATTACHED TO WALL.
8. ANY SERVICE GREATER THAN 320 AMPS, CONSULT THE COOPERATIVE.
9. THE SERVICE ENTRANCE PANEL/DISCONNECT SHALL BE GROUNDED PER THE NATIONAL ELECTRIC CODE BEFORE COOPERATIVE WILL INSTALL SERVICE AND METER. IF VISUALLY MEANS ARE AVAILABLE FOR THE COOPERATIVE TO IDENTIFY THE MEMBER'S GROUNDING METHOD WHICH COMPLIES WITH NEC ARTICLE 250, A GROUND ROD MAY NOT BE NECESSARY. OTHERWISE A GROUNDING ROD WILL BE REQUIRED AND THE MEMBER OR MEMBER'S ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 5/8" X 8' COPPER-CLAD GROUND ROD AND GROUND CLAMP.
10. DITCH MINIMUM IS 2'-0" DEEP BY 1'-0" WIDE.
11. DOWN RISER ELBOW CONFIGURATION CAN NOT EXCEED 90 DEGREES.

**RESIDENTIAL ONLY**

MEMBER INSTALLATION MINIMUM WIRE AND CONDUIT SIZE					
SERVICE RATING	CONDUIT SIZE	ALUMINUM PER NEC	COPPER PER NEC	NEUTRAL	GROUND WIRE SIZE
100A	3"	#2	#4	SAME AS PHASE	#6 CU
200A	3"	4/0	2/0	SAME AS PHASE	#4 CU
320A	3"	500 kcmil	350 kcmil	SEE NEC	#2 CU



**ARKANSAS VALLEY ELECTRIC  
COOPERATIVE COOPERATION**

TITLE  
**UNDERGROUND METER ON HOUSE  
SINGLE PHASE 240V SERVICE UP TO 320A  
RESIDENTIAL ONLY**

DWG#: SPEC-0000003	DATE: 06.06.17	SCALE: NTS
DRAWN BY: JDC	REV: 0	REV. DATE: N/A