

TABLE I
POLE DIMENSIONS AND SETTING DEPTH

| LENGTH OF POLE (FEET) | MINIMUM SETTING DEPTH (FEET) | MINIMUM POLE CIRCUMFERENCE (INCHES) | MINIMUM POLE DIAMETER (INCHES) |
|-----------------------|------------------------------|-------------------------------------|---|
| | | AT TOP 15" | AT TOP 4 ⁵ / ₆₄ " |
| | | AT GROUND LINE | AT GROUND LINE |
| 18' | 4'-0" | 17 ⁵⁹ / ₆₄ " | 5 ⁵⁹ / ₆₄ " |
| 20' | 4'-6" | 18 ⁵⁹ / ₆₄ " | 6" |
| 22' | 4'-6" | 19 ⁵⁹ / ₆₄ " | 6 ⁵⁷ / ₆₄ " |
| 25' | 5'-0" | 20" | 6 ⁵⁹ / ₆₄ " |

CUSTOMER SERVICE POLE

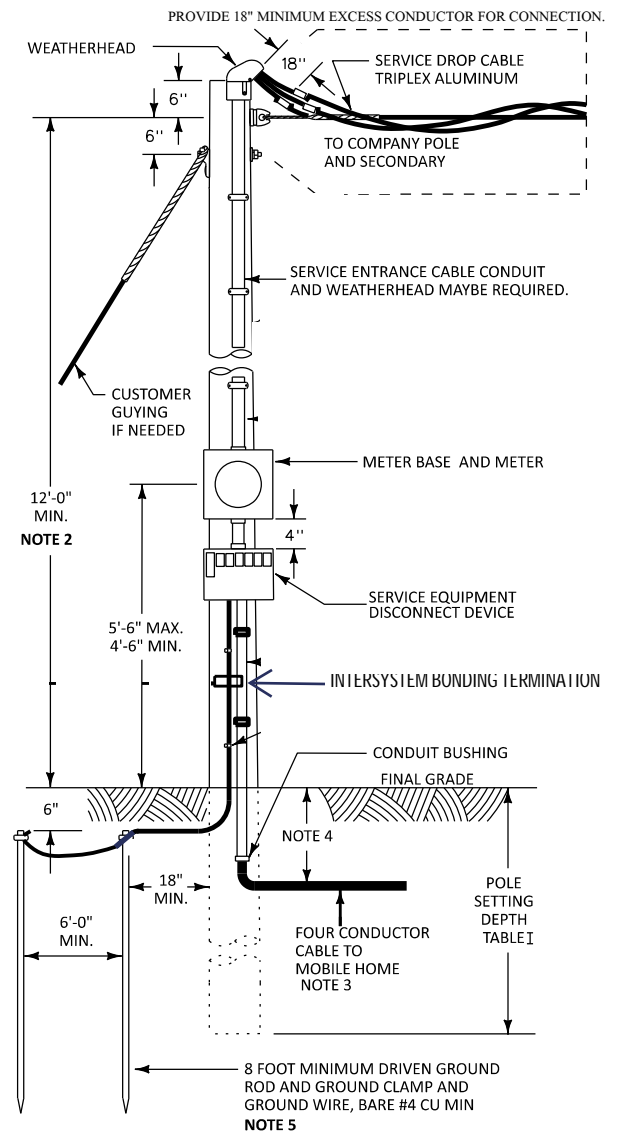
1. CALL APCO TO HAVE THE METER BASE LOCATION APPROVED.
2. THE SERVICE POLE SHALL BE FURNISHED AND INSTALLED BY THE CUSTOMER.
3. SERVICE POLE MUST BE COMMERCIALY TREATED WITH CHEMICAL PRESERVITIVES.
4. A 6"X6" TREATED POST MAY BE ACCEPTABLE IN MOST CASES.
5. THE CUSTOMER SERVICE POLE SHALL BE LOCATED WITHIN 30' OF THE MOBILE HOME AND NO CLOSER THAN 3'.
6. SERVICE POLE SHALL BE ON THE SIDE CLOSEST TO APCO FACILITIES, OR AT AN AGREED LOCATION WITH AN APCO REPRESENTATIVE.
7. POLE MUST BE SET TO THE DEPTH REQUIRED IN TABLE 1
8. A COMMERCIALY TREATED 2"X10" OR LARGER SOLID WOOD BOARD MAY BE REQUIRED TO MOUNT EQUIPMENT TO THE POLE (NO PLYWOOD).
9. THE SERVICE ATTACHMENT POINT SHALL BE PROVIDED AT A HEIGHT TO PROVIDE MINIMUM CLEARANCES AS DETAILED IN THE "SERVICE DROP CLEARANCE" GUIDE.

GENERAL NOTES

1. CALL MISS UTILITY @ 811 BEFORE DIGGING.
2. INSTALL METER BASE SUCH THAT THE CENTER OF THE METER BASE IS NOT LESS THAN 4" AND NO MORE THAN 5" ABOVE FINISHED GRADE.
3. THE ENTRANCE CABLE OR PIPE MAST MUST BE STRAPPED WITHIN 12" OF THE TOP OF THE METERBASE.
4. MAXIMUM DISTANCE BETWEEN STRAPS SHALL NOT BE GREATER THAN 30".
5. JACKETED SEU CABLE SHALL BE USED FOR NON-CONDUIT MAST INSTALLATIONS. A IF JACKETED SEU CABLE IS USED, A WEATHERPROOF HUB CONNECTOR IS REQUIRED.
6. SINGLE RATED 'USE' CABLE IS NOT PERMITTED.
7. THE SERVICE DISCONNECT SHALL HAVE ADDITIONAL BREAKER SPACE CAPIBLE OF SERVICE AN EXTERNAL LOAD.
8. INHIBITOR COMPOUND SHALL BE USED ON ALL ALUMINUM CONDUCTORS.
9. FOUR CONDUCTOR ENTRANCE CABLE SHALL BE INSTALLED BETWEEN SERVICE DISCONNECT AND MAIN PANEL.
10. SERVICE ENTRANCE CONDUCTORS (FROM DISCONNECT TO PANEL MAIN BREAKER) SHALL BE TRIPLE-RATED.
 - A. TRIPLE-RATED IS DEFINED AS A CONDUCTOR WITH A RATING FOR WET/DAMP LOCATIONS, A FLAME RETARDANT RATING AND A RATING FOR UNDERGROUND INSTALLATION
 - B. EXAMPLES OF RATINGS INCLUDE RHW, RHH, USE-2, ETC.
11. ABOVE THE GROUND, CONDUCTORS SHALL BE IN CONDUIT. THIS INCLUDES THE CONDUCTOR FROM DISCONNECT TO 18" BELOW THE GROUND AND FROM 18 INCHES BELOW THE GROUND UP AND INTO THE MOBILE HOME.
12. LOAD-SIDE CONDUIT SHALL BE PROPERLY STRAPPED.
13. THE TRENCH DEPTH SHALL BE AT A MINIMUM 24 INCHES BELOW THE FINAL GRADE. THE INSTALLATION OF CABLE MARKING IDENTIFICATION TAPE IN THE TRENCH IS RECOMMENDED.

GROUNDING

1. GROUNDING CONDUCTOR SHALL NOT PASS THROUGH OR BE CONNECTED WITHIN THE METER BASE.
2. GROUND RODS AND GROUND CONNECTIONS SHALL BE 6 INCHES BELOW FINAL GRADE.
3. A TOTAL OF TWO (2) 5/8 INCH X 8 FOOT COPPER CLAD GROUND RODS AND UL APPROVED CLAMPS SHALL BE UTILIZED.
4. THE GROUND CONDUCTOR SHALL BE CONTINUOUS FROM THE DISCONNECT THROUGH TO THE SECOND GROUND ROD
 - A. FOR EXISTING SERVICES, THE SECOND GROUND ROD CAN BE ADDED WITHOUT REPLACING THE ORIGINAL GROUNDING CONDUCTOR AS LONG AS IT IS PROPERLY SIZED AND BONDED TO THE FIRST GROUND ROD.
5. THERE SHALL BE A MINIMUM DISTANCE OF 6 FEET BETWEEN GROUND RODS.
6. #4 COPPER IS THE MINIMUM WIRE SIZE.
7. AN INTERSYSTEM BONDING TERMINATION SHALL BE PROVIDED EXTERNALLY TO THE ENCLOSURE AT THE SERVICE EQUIPMENT.
 - A. A METER BASE GROUNDING CLAMP IS NOT PERMITTED.



These guidelines are for informational purposes only. Appalachian Power does not warrant that the information is in every respect accurate and makes no warranties regarding results from the usage of these guidelines. APCO shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused, or alleged to be caused, directly or indirectly by the information contained herein.

