

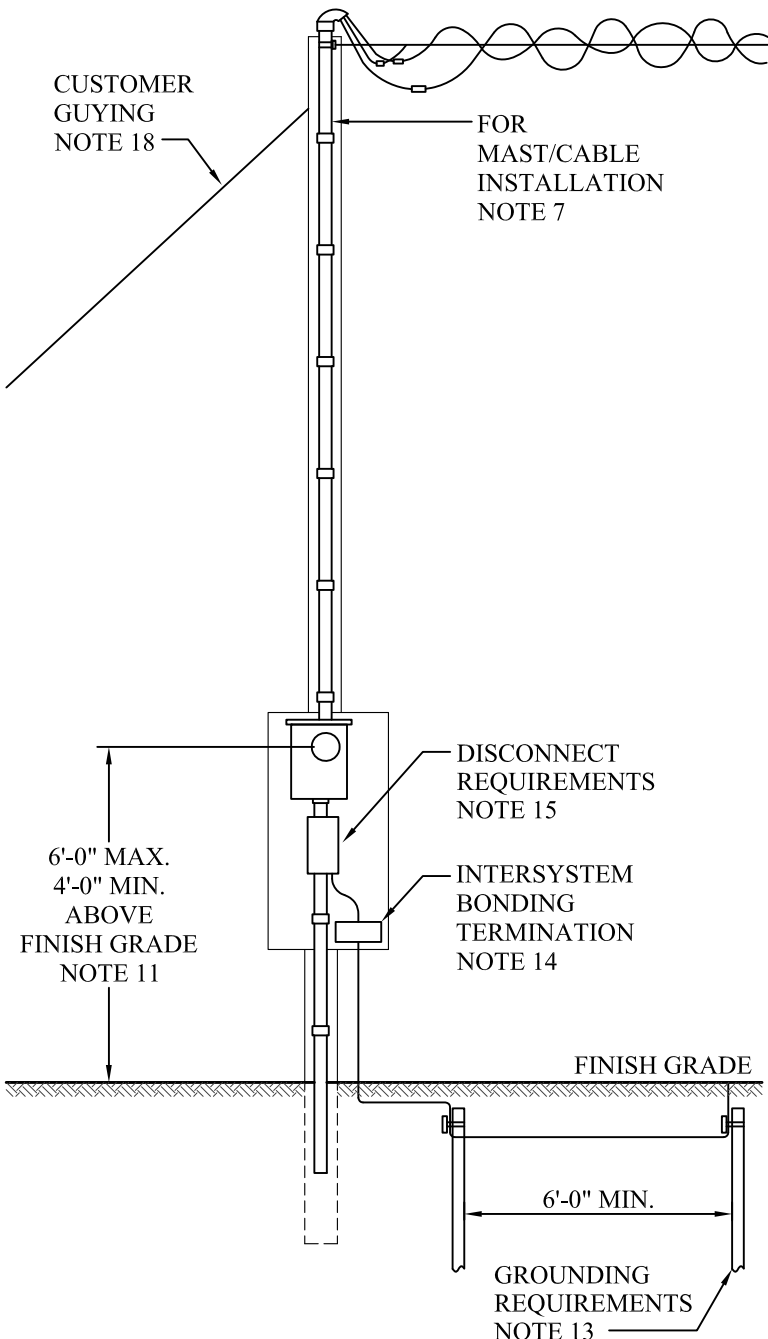
Installation Requirements

For Typical Singlewide Mobile Home Overhead Service

NOTES:

1. Call Appalachian Power to have meter base location approved. The service structure shall be placed in a location that is accessible by an APCo line utility vehicle.
2. Before digging, please call Miss Utility at 1-800-245-4848 to have the location of all utilities marked.
3. The service attachment point shall be provided at a height to provide the minimum clearances as detailed in the table.

Nature Of Area	Vertical Clearance For Service Drop
Public roads, streets, parking lots & other areas subject to truck traffic	18'
Driveways	16'
Pedestrian areas, including decks, porches & sidewalks	12'



4. The setting depths for service poles are detailed in the table.

Length of Pole (ft)	Setting Depth (ft)	Min Diameter at Groundline	Min Diameter at Pole Top
18	4	6"	5"
20	4.5	6"	5"
22	4.5	6"	5"
25	5	6"	5"
30	5.5	7"	5"

5. A meter base is not permitted to be installed on a singlewide mobile home. A service pole shall be furnished and installed by the customer. Pole must be commercially treated with chemical preservatives. A 6 inch x 6 inch post is acceptable in most cases.
6. The service pole shall be located within 30 feet and no closer than 3 feet of the mobile home on the side closest to APCO facilities. Service conductors crossing mobile homes are not recommended. If service conductors cross mobile home, 10 feet of clearance must be maintained (including service wire sag).

* See back for additional requirements

Mobile Home – Singlewide Overhead Service Installation

7. The entrance cable or pipe mast must be strapped within 12 inches of the top of the meter base and within 12 inches of the top of the cable or pipe mast. Maximum distance between straps shall not be greater than 30 inches. If entrance cable installation, a manufactured weatherproof hub connector is required.
8. Jacketed SEU Entrance Cable shall be used for non-pipe mast installations. For pipe mast installations non-jacketed insulated conductors as well as jacketed SEU Entrance Cable may be used. Single rated USE cable is not acceptable.
9. A commercially treated 2 inch X 10 inch or larger solid wood board (no plywood) may be required to directly mount the equipment to the pole.
10. Inhibitor compound shall be used on all aluminum wire terminations.
11. Install meter base such that the center of the meter base is not less than 4 feet and no more than 6 feet above finished grade. Lag screws (not nails) shall be used to secure meter base.
12. Provide a minimum of 2 feet additional entrance conductor beyond the point of attachment.
13. Ground wire conductor shall not pass through or be connected within the meter base. Ground rods and ground connections shall be 6 inches below final grade. A total of two (2) 5/8 inch X 8 foot copper clad ground rods and UL approved clamps shall be utilized. On new installations, the ground conductor shall be continuous from the service panel or disconnect through the first ground rod and to the second ground rod. For existing services, the second ground rod can be added without replacing the original conductor as long as it is properly connected and bonded to the first ground rod. There shall be a minimum distance of 6 feet between ground rods and #4 copper is the minimum wire size.
14. On new installations and existing installations where alterations are made, an intersystem bonding termination shall be provided externally to enclosures at the service equipment. The grounding conductor shall be continuous through the intersystem bonding termination. A meter box ground clamp is not permitted.
15. The disconnect must have an additional breaker or space for an additional breaker that is capable of serving an external load. Four (4) wire entrance conductors shall be installed between disconnect and main panel.
16. Service entrance conductors (from disconnect to panel main breaker) shall be triple-rated. Triple-rated is defined as a conductor with a rating for wet/damp locations, a flame retardant rating and a rating for underground installation. Examples of ratings include RHW, RHH, USE-2, etc. Four (4) wire entrance conductor is required. Above the ground conductors shall be in conduit. This includes the conductor from disconnect to 18 inches below the ground and from 18 inches below the ground up and into the mobile home. Load-side conduit shall be properly strapped.
17. 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.
18. Under certain conditions, the customer may be required to provide guying for their service pole.

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.