

A silhouette of a worker wearing a hard hat and safety harness is shown riding a cable car. The worker is holding onto a bar. The background is a soft, hazy sunset or sunrise sky with a line of evergreen trees visible at the bottom. The overall scene is in grayscale, with the text overlaid in black.

SPECIFICATIONS AND ILLUSTRATIONS

OVERHEAD REQUIREMENTS

Laclede Electric Cooperative will construct overhead power lines to supply permanently established services.

- An installation charge will be required at the time of application and will include a portion of the primary and/or secondary service extension. All additional primary and/or secondary line required over and above that which is included will be charged by the foot.
- Initial right-of-way clearing performed to LEC specifications is the members responsibility. Downed trees and brush must be cleared for accessibility to the service route.
- Meter bases will be provided by Laclede Electric Cooperative at no charge. The cooperative will install the meter base unless it is to be located on the house which must be installed by the member.
- The following material must be purchased and installed in the meter base if secured to the structure by the member (maximum distance from weather head to pole is 60 feet).
 1. Weather head sized to conduit.
 - a) 100 AMP = 2 inch min.
 - b) 200 AMP = 2 inch min.
 - c) 320 AMP = 3 inch min.
 - d) 400 AMP = 3 inch min.

Insulated conductors properly sized for the service. The neutral conductor must be permanently identified. Wires must extend at least 3 feet beyond the weather head to form a drip loop.

2. The mast should extend between 24 inches and 42 inches above the roof and must be rigid steel conduit. The conduit must be anchored if extending more than 42 inches above the roof. If the length of conduit exceeds 10 feet a coupling will be permitted on the end nearest the meter base.
3. Conduit straps must be sized to the conduit and have a 5 foot maximum spacing.
4. The meter base with a disconnect must be mounted on the building with the center of the meter socket 5 ½ feet above finished grade.
5. A #6 solid cooper ground wire, bonded to the service equipment and to the ground rod.

OVERHEAD REQUIREMENTS CONTINUED

6. A 5/8 inch X 8 foot ground rod and clamp must be installed at or below ground level.

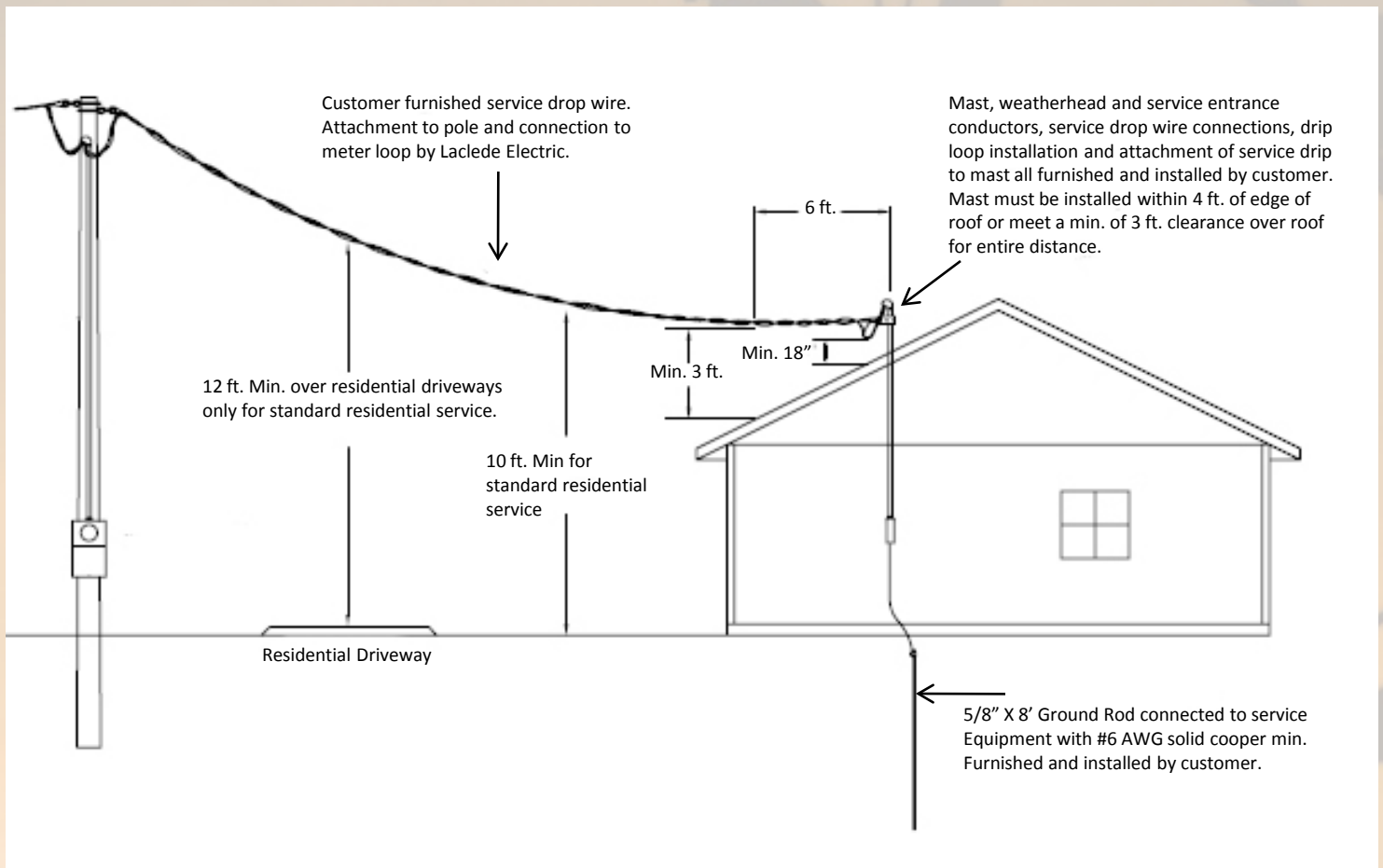
The following minimum clearances from the ground must be maintained:

- a) 12 foot clearance over areas accessible to pedestrians only or residential driveways as long as voltage is under 300 volts.
- b) 16 foot over driveways where voltage is more than 300 volts to ground.
- c) 18 foot over public streets and alleys, roads, parking and any other areas traveled by vehicles.

The service disconnect shall be located inside the nearest point of entrance of the service conductors. The service disconnect is not allowed in clothing closets, bathrooms, hallways or cabinets.

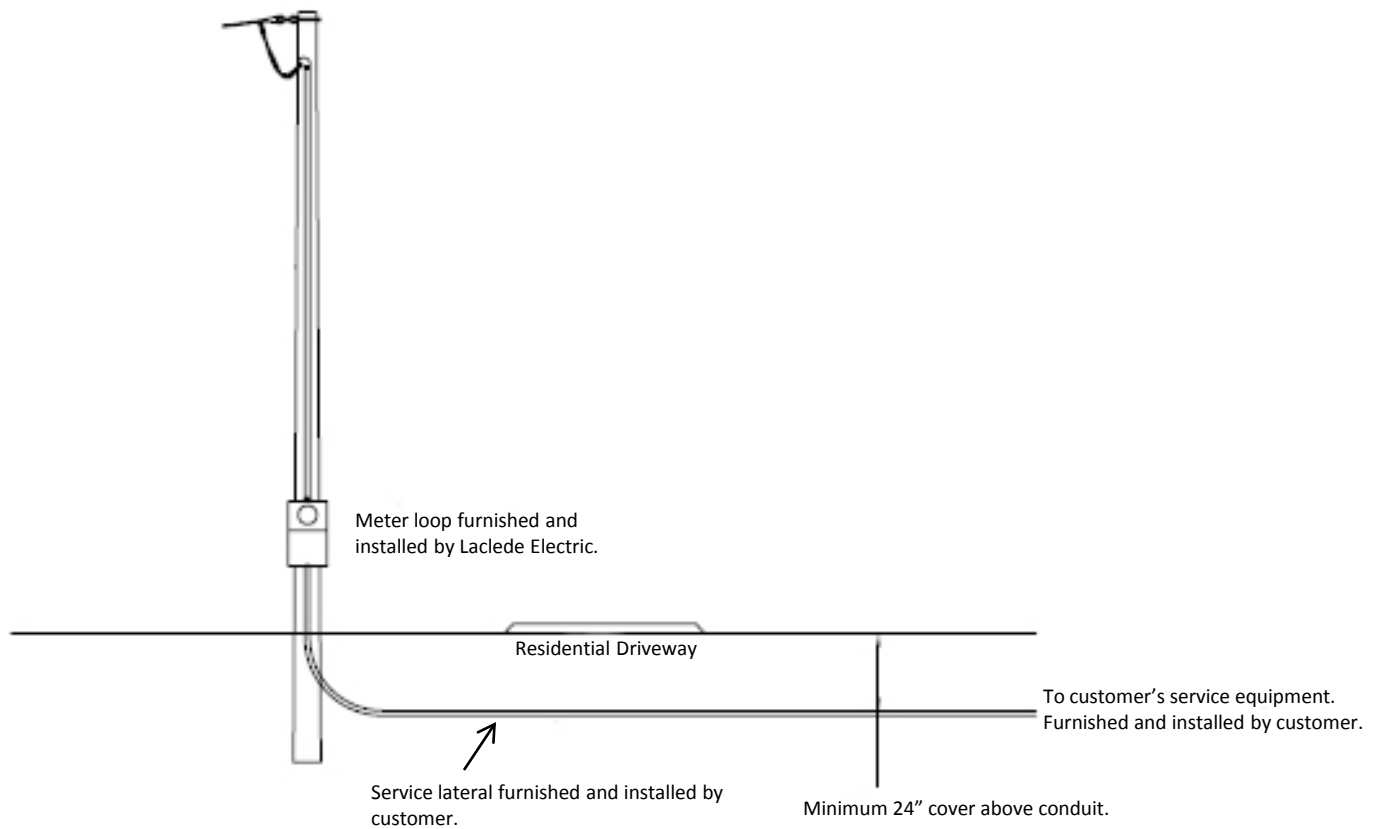
NOTE: A city inspection is required in St. Robert, Waynesville, Camdenton and Lebanon.

OVERHEAD SERVICE WITH METER ON POLE #1



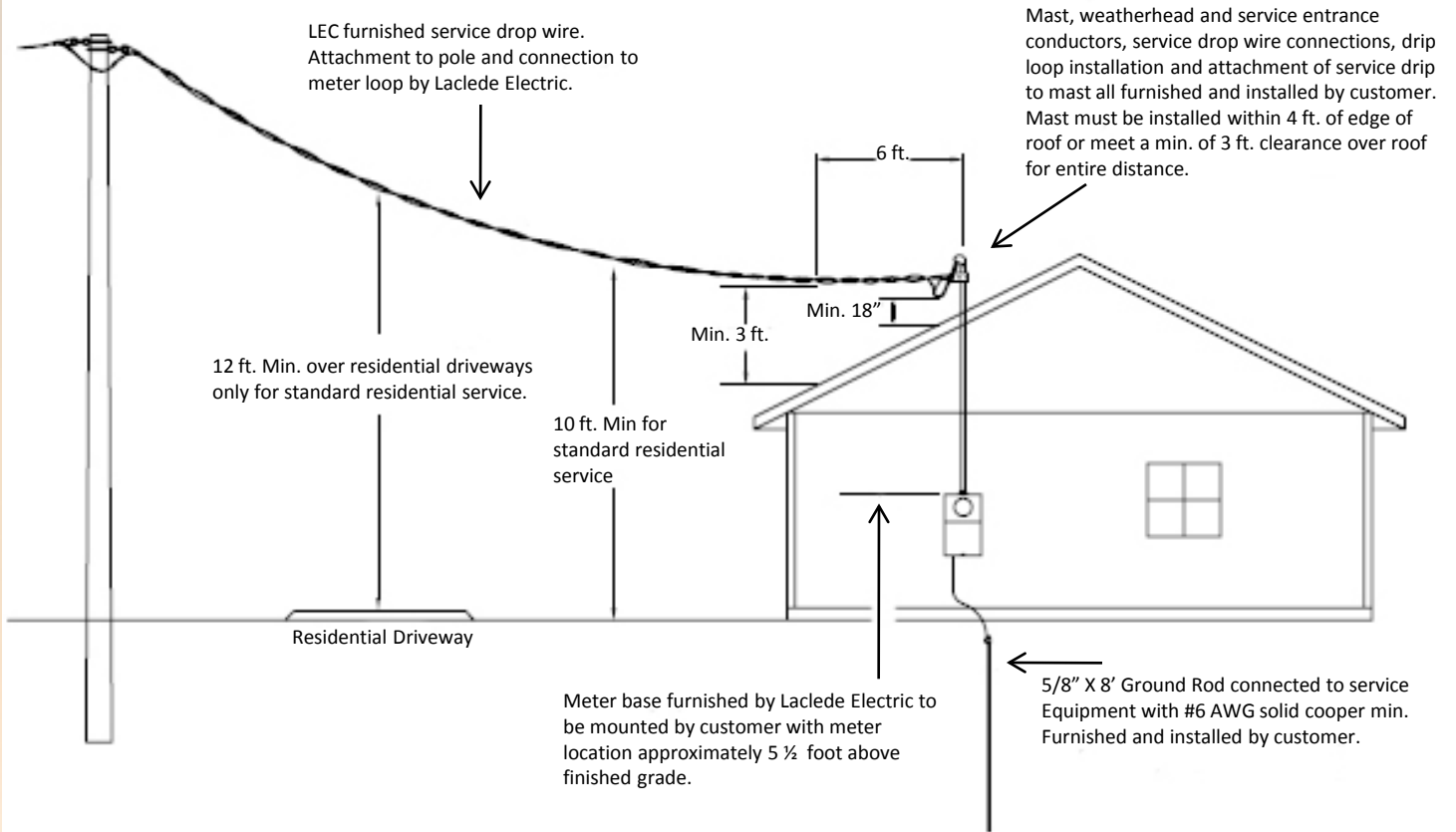
Maximum distance from pole to mast is 60 feet.

OVERHEAD SERVICE WITH METER ON POLE #2



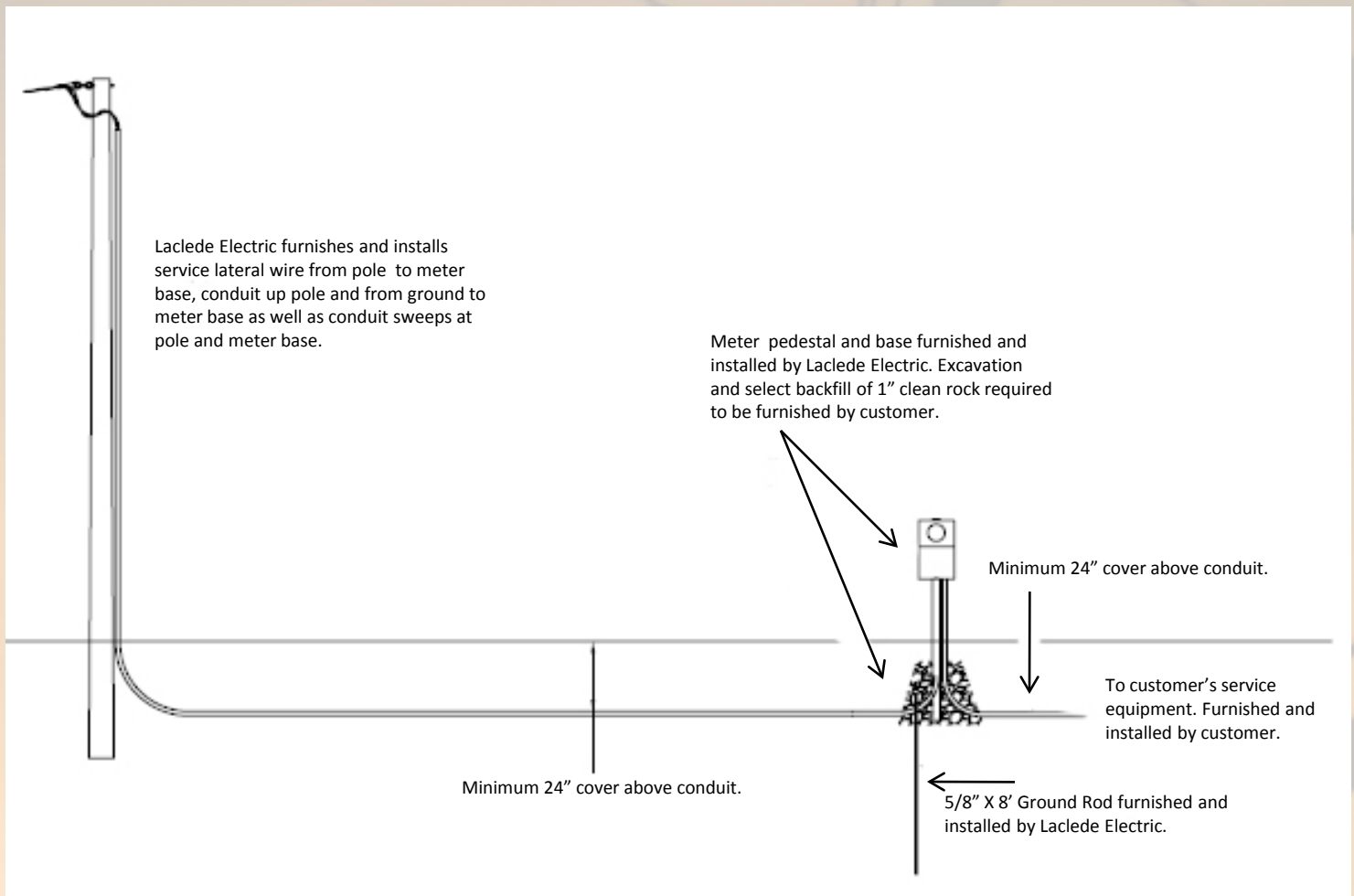
All ditch, conduit, service lateral wire, backfill and landscape restoration from meter base to service equipment is furnished and installed by customer. Connection to Laclede Electric furnished meter base by customer.

OVERHEAD SERVICE WITH METER ON BUILDING



Maximum distance from pole to mast is 60 feet.

METER PEDESTAL WITH OVERHEAD SOURCE



- Maximum distance from transformer to meter base is 150 feet.
- All ditch, backfill, landscape restoration and possible select backfill to be furnished by customer per Laclede Electric Requirements. See ditch guide drawings.

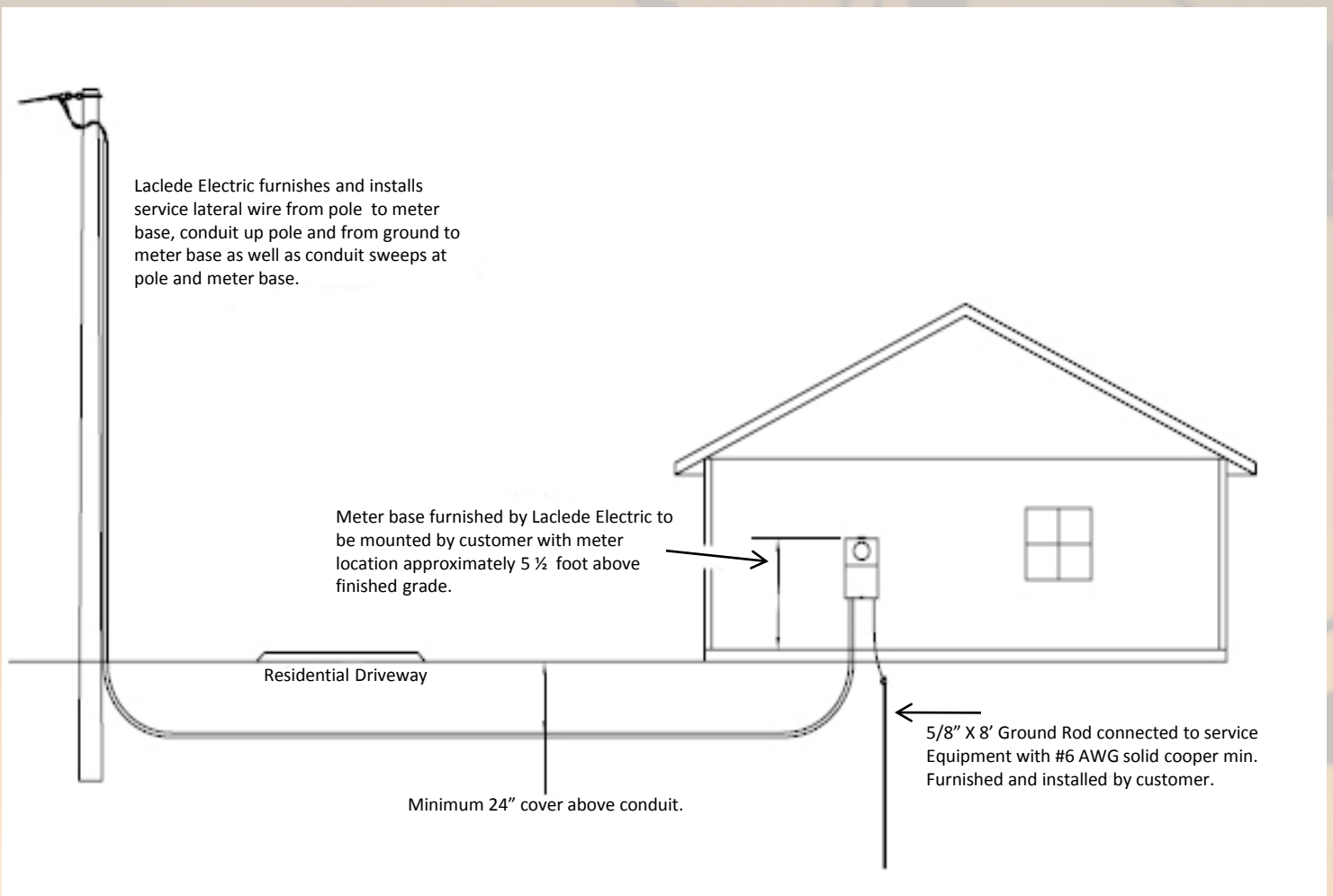
UNDERGROUND REQUIREMENTS

Laclede Electric Cooperative will construct underground power lines to supply permanently established services.

- The member is responsible for all ditching or trenching necessary (performed to LEC specification) in addition to covering the ditch or trench.
- The Cooperative will furnish all conduit which will include up the pole, on the building or house. Laclede Electric will also provide a meter base, wire from the electric pole to the meter and 90 degree sweep elbows.
- An installation charge will be required at the time of application and will include a portion of the primary and/or secondary service extension. All additional primary and/or secondary line required over and above that which is included will be charged by the foot.
- It is the members responsibility to install the following items:
 - a) Meter base should be located on building so the center of the meter socket is 5 ½ feet above finished grade.
 - b) #6 solid cooper ground wire, bonded to the service equipment and the ground rod.
 - c) 5/8 inch X 8 foot ground rod and clamp must be installed at or below ground level.
- The member must have a properly sized entrance in accordance with the National Electric Code installed from the disconnect at the meter base to the customer service disconnect.
- The service disconnect shall be located inside the nearest point of entrance of the service conductors. The service disconnect is not allowed in clothing closets, bathrooms, hallways or cabinets.

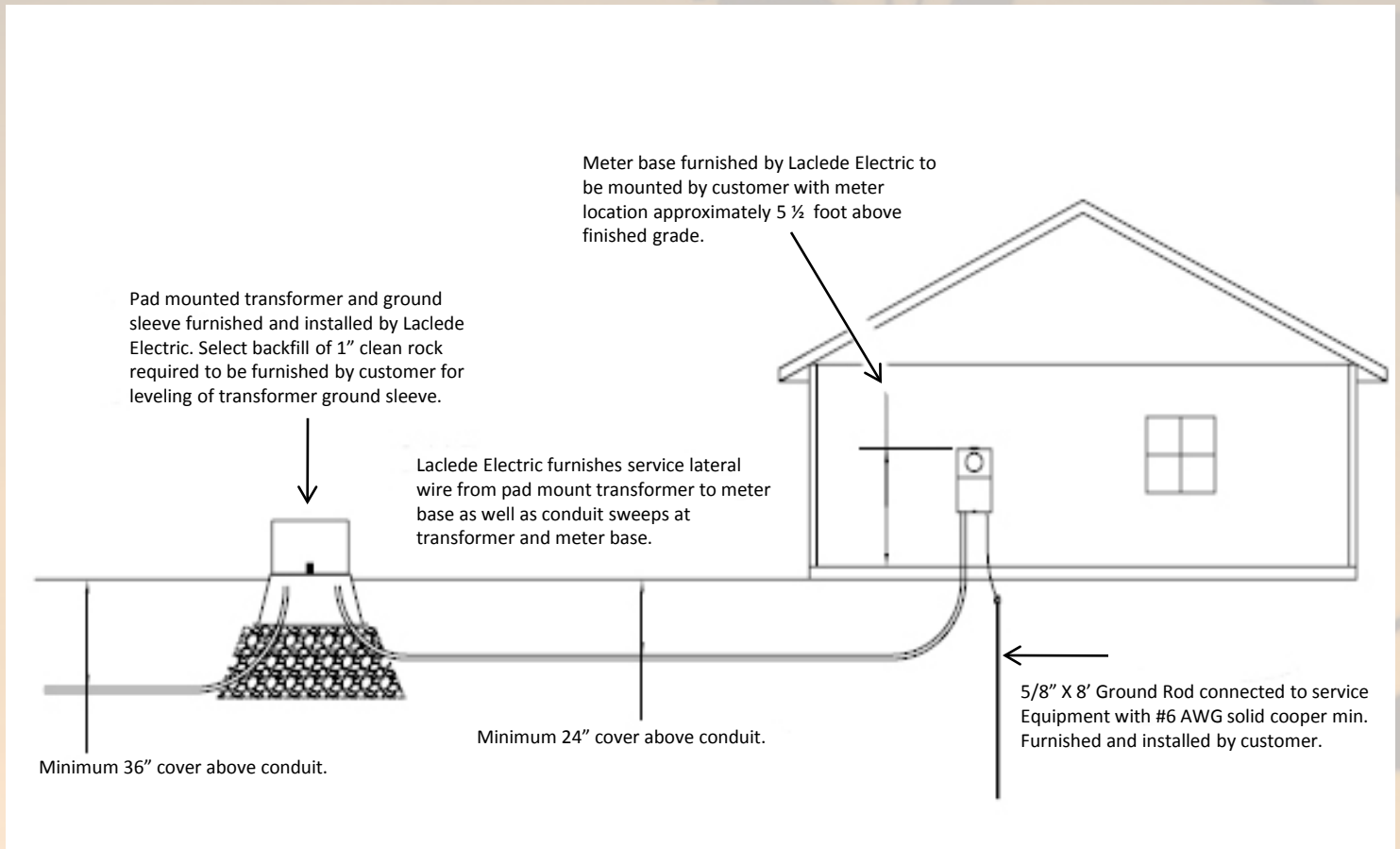
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UNDERGROUND SERVICE WITH METER ON BUILDING #1



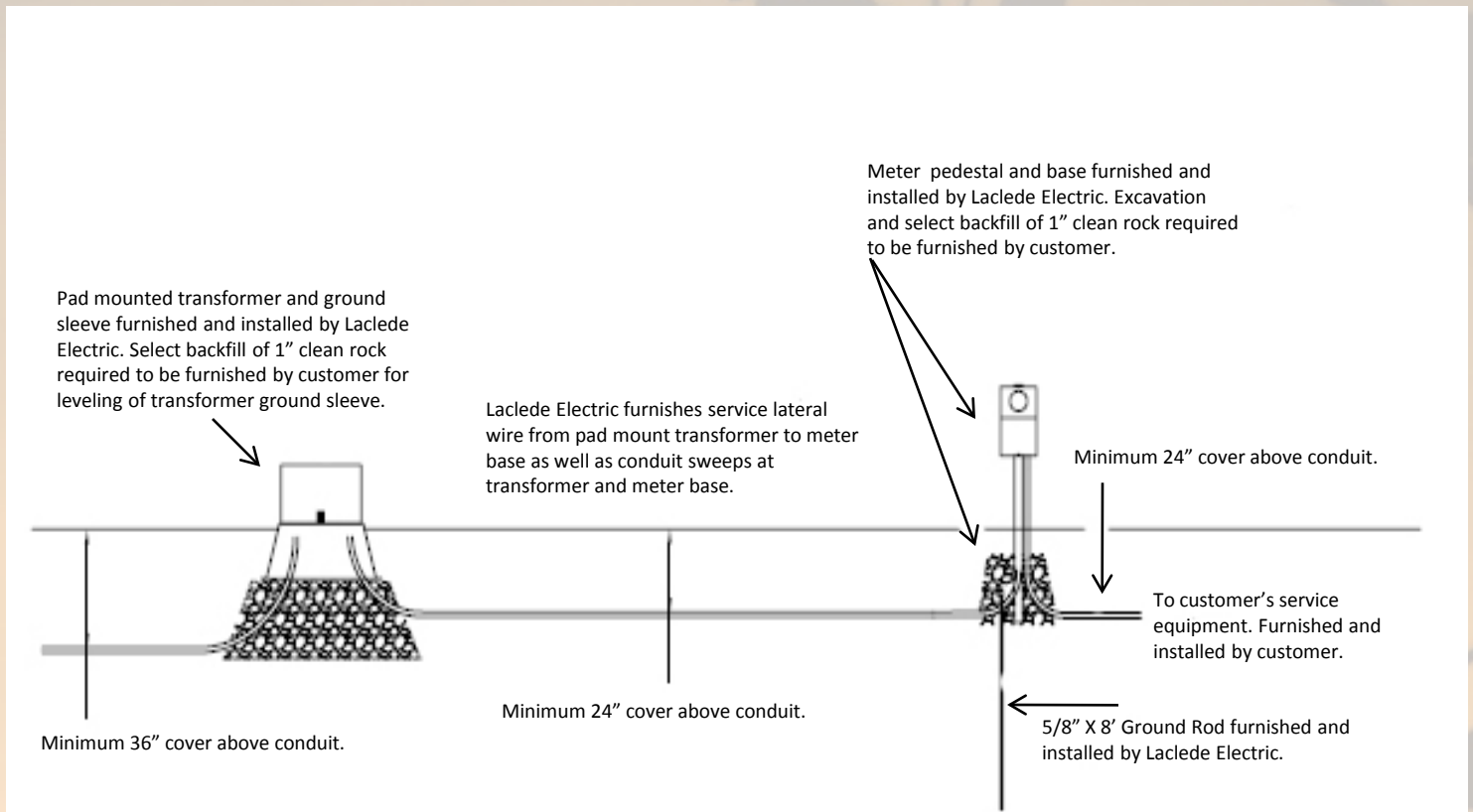
- Laclede Electric will provide all conduit.
- Customer is responsible for ditch, backfill, landscape restoration and possible select backfill per Laclede Electric requirements. See ditch guide drawings.
- Maximum distance from transformer to meter base is 150 feet.

UNDERGROUND SERVICE WITH METER ON BUILDING #2



- Laclede Electric will provide all conduit.
- Customer is responsible for ditch, backfill, landscape restoration and possible select backfill per Laclede Electric requirements. See ditch guide drawings.
- Maximum distance from transformer to meter base is 150 feet.

METER PEDESTAL WITH UNDERGROUND SOURCE



- Maximum distance from transformer to meter base is 150 feet.
- All ditch, backfill, landscape restoration and possible select backfill to be furnished by customer per Laclede Electric Requirements. See ditch guide drawings.