Revised 06-01-90, 04-11-94, 05-09-94, 08-08-94, 10-17-00, 09-10-01**;** 04-18-18; Effective 08-01-18; 10-16-19**;** 10-21-20**;** 11-18-20; 12-16-20; 08-18-21; 03-16-22**;** Revised 02-26-24 effective 04-01-24; Revised 06-19-24 effective 07-01-24; Revised 08-20-25 effective 10-01-25 ;Reaffirmed 2-19-26

BOARD POLICY NO. 5-08 R-20

I. SUBJECT: Consumer Line Extensions

II. PURPOSE:

The Board of Directors is committed to providing area wide availability of all standard electric power on demand to any consumer of any consumer class meeting membership obligations as set forth by the members in the cooperative's bylaws. It is further committed to providing the quantity of electric power requested by any such applicant meeting such membership obligations at a price consistent with providing such service and of a quality equal to or greater than industry standards. Therefore, the Board sets forth this policy to provide a uniform procedure and charges for providing electric service requiring line extension.

III. Character of Service

Electric power provided shall be alternating current, single or three-phase, at 60 hertz. Standard voltages shall be: 120/240 single phase, 120/208, 120/240, 277/480, and 480 delta of three-phase.

IV. Types of Construction

A. Standard line extension construction shall be overhead and underground primary and/or secondary.

B. Non-standard line extension construction shall be any unusually large or complicated single phase or three phase line extension not conforming to Section V, A through J herein below.

V. Types of Line Extensions and Aid-In-Construction Charges.

A. Residential Overhead Primary

Residential Overhead Primary (Defined as the continuous abode, including single and doublewide mobile homes and modular homes; and excluding campers, RVs or barns. Any footage difference between the footage of the overhead line determined by the Cooperative to be the most feasible and economical route and the actual line footage along any route as requested by the member shall be charged an increased rate per foot. All charges for residential overhead primary are as stated in Attachment A, Chart of Line Extension Aid-In-Construction Charges Section A.

B. Residential Overhead Secondary/Service

1. All charges for residential overhead secondary and services are as stated in Attachment A, Chart of Line Extension Aid-In-Construction Charges. Section B.

2. For Mobile and Modular Homes
   a. Owner (land and real property) and Occupant – Service entrances for overhead service to any mobile or manufactured home shall be mounted on a pole supplied and installed by the Member per UCEMC Standard MOP-OH-1 as referenced in Board Policy 5-08 Attachment C Drawings.
   b. Any request to reactivate a service to a mobile or manufactured home that has been inactive for more than 180 days must be brought up to the current UCEMC Standard MOP-OH-1 as referenced in Board Policy 5-08 Attachment C Drawings. Exceptions must be approved by the Director of Engineering or Executive Vice-President of Engineering Services.

C. Residential Underground Primary

All charges for residential underground primary are as stated in Attachment A, Chart of Line Extension Aid-In-Construction Charges, Section C.

D. Residential Underground Secondary/Service

a. All charges for residential underground secondary and services are as stated in Attachment A, Chart of Line Extension Aid-In-Construction Charges, Section D.
b. For Mobile and Modular Homes

c. Service entrances for underground service to any mobile or manufactured home shall be installed by the Member per UCEMC Standard MB-PED-1 as referenced in Board Policy 5-08 Attachment C Drawings, unless otherwise authorized by a UCEMC engineering representative.

d. Any request to reactivate a service to a mobile or manufactured home that has been inactive for more than 180 days must be brought up to the current UCEMC Standard MB-PED-1 as referenced in Board Policy 5-08 Attachment C Drawings. Exceptions must be approved by the Director of Engineering or Executive Vice-President of Engineering Services.

e. Non-Permanent Residential Overhead and Underground

Non-permanent residential includes campers and RV's. All charges for non-permanent residential are as stated in Attachment A, Chart of Line Extension Aid-In-Construction Charges, Section E.

F. General Power.

The class of consumers served hereunder shall include manufacturing plants and other public or private business facilities expected to render or vend services or products to patrons or consumers regularly on or from the premises served for a period not shorter than one year. Contract terms longer than one year may be required for initial terms and renewal terms.

All charges for General Power are as stated in Attachment A, Chart of Line Extension Aid-In-Construction Charges, Section F shall be charged the rate per foot as stated in the Chart of Line Extension Aid-In-Construction Charges attached hereto.

G. General Power - Historically Low

The class of consumers served hereunder shall include any consumer not qualified by definition to be served under F above. Contract terms longer than one year may be required for initial terms and renewal terms.

Examples of historically low usage are, but not limited to, barns, storage buildings, residential garages, electric fences, RV parks, pumps, signs/billboards, and telecom.

The Cooperative will charge according to the rates stated in the Attachment A, Chart of Line Extension Aid-In-Construction Charges attached hereto, Section G.

H. Three-Phase Standard 1/0 ACSR Line Extensions OH

The Cooperative will charge according to the rates stated in the Attachment A, Chart of Line Extension Aid-In-Construction Charges attached hereto, Section H.

I. Residential Subdivisions or Similar Residential Overhead and URD

The class of consumers served hereunder shall include owners/developers of residential subdivisions or similar residential land divisions/developments for which a clearly designed plan approved by regulatory authority, if applicable, shall have been developed and presented to the Cooperative.

The Cooperative will charge according to the rates stated in the Attachment A, Chart of Line Extension Aid-In-Construction Charges attached hereto, Section I.

Additional Aid-In-Construction charges under Paragraphs A, B, C, or D hereof may apply for service to individual houses within such said subdivision/development.

J. Temporary Primary Line Extension

This is defined as any line extension expected to be revenue producing for a time period to be determined by the Director of Engineering and approved by the General Manager. The Cooperative will charge the estimated cost to build, plus the estimated cost to remove, less any estimated salvage value of facilities expect ed to be removed.

The Cooperative will charge according to the rates stated in the Attachment A, Chart of Line Extension Aid-In-Construction Charges attached hereto, Section J.

K. Non-Standard Line Extensions Not Covered by Policy

For items not found in Section V. Paragraphs A through J, the General Manager is hereby authorized to establish equitable charges, rates, procedures, regulations, standards, etc. for line extensions not covered by this policy, other board policy, Rules and Regulations, contracts, Cooperative Bylaws, or other authorities with the advice and counsel of the general staff, and/or, if deemed advisable, consultants, and/or general counsel. The General Manager is further authorized to develop and enforce any suitable remedy to rectify the gaining of any service provided hereunder by any applicant through misrepresentation of any fact.

VI. Individual Outdoor Lighting

A. The Cooperative shall charge a standard fixed monthly rate computed in accordance with the current rate schedule for each light installed on an existing pole(s) for a period not less than 12 months. A Yard Light Contract is required.
B. In addition to the charge in A above, a charge shall apply per pole installed and a monthly pole rental rate in accordance with the schedule of charges in Attachment A, Chart of Line Extension Charges Aid-in Construction Charges, Section VI. For any installation requiring one or more poles to be set, the charges will be made for an indefinite period, but not less than 36 months.
C. In addition to the charges in A and B above, a charge shall apply per transformer installed to exclusively serve outdoor lighting in accordance with the schedule of charges in Attachment A, Chart of Line Extension Charges Aid-in-Construction Charges.
D. The above lights in A and B shall be subject to deposits as provided in Board Policy No. 5-13, Deposits.

VII. Street Lighting

A. Street lighting will normally be installed upon request by a local government or a subdivision thereof, and the facilities will normally be owned and maintained by the Cooperative for which the consumer will pay the Cooperative for energy any maintenance by appropriate rates and facilities rental charges as provided in the current rate schedules applicable to such service.

B. Occasionally, facilities such as these in A above will be purchased by the consumer. The Cooperative will charge the consumer any cost to the Cooperative for any materials and installation services and will meter and bill for energy used under the current applicable rate schedule.

C. Other individual outdoor lighting will be provided and billed in accordance with the rate schedule appropriate for such lighting and any charges for construction and/or installation services will be made in accordance with the appropriate category of service described within this policy.

VIII. Rights-Of-Ways

1. The applicant for any construction or services covered by this policy shall provide a written and properly executed easement to the Cooperative for its facilities and the maintenance or operation thereof without charge to the Cooperative and shall provide the same from any third party on whose property such facility will be constructed and said easement(s) shall be properly and duly recorded with the Register of Deeds within the county for which the easement(s) is secured prior to any UCEMC construction activity.

B. The rights-of-way within which any facility will be constructed under this policy must be cleared of debris and vegetation to Cooperative satisfaction. In no circumstances except as set forth herein, shall the Cooperative be responsible for the clearing of such rights-of-way. The clearing of such rights-of-way shall be the sole and absolute responsibility of the member requesting extension and must be performed to Cooperative satisfaction before connection of service. The Cooperative will clear rights-of-way that involve or traverse any federal, state, or local governmental properties for which the Cooperative will charge the member requesting extension of service actual costs of such clearing and shall be included as a charge in the Aid-In-Construction Charges, in addition to any other charges applicable under this policy.

IX. Real Property Ownership

Ownership of real property as used herein is defined as ownership evidenced by a deed property registered in the local Register of Deeds Office.

X. RESPONSIBILITY: General Manager

XI. PROCEDURE: As stated herein or as developed from time to time to administer the intent of the policy.

XII. Attachments:

A. Chart of Line Extension Aid-In-Construction Charges

B. Primary and Secondary Underground Line Extension Procedures and Regulations

C. Drawings

D. General Power Customers Deposit Agreement

E. Aid-In Construction Agreement

F. Aid-In Construction Deposit Agreement (Individual)

G. Aid-In Construction Deposit Agreement (Subdivisions)

H. Aid-In Construction Agreement for Semi Permanent Installations

I. Right-of-Way Easement

Board Policy 5-08, Consumer Line Extensions
Attachment A
Chart of Line Extension Aid-In-Construction Charges



(SEE NEXT PAGE)

UCEMC AID IN CONSTRUCTION BOARD POLICY 5-08 ATTACHMENT A

PRICES SUBJECT TO CHANGE

UPDATED OCTOBER 30, 2026

A) Residential Overhead Primary (Including Mobile and Modular Homes)

	Unit	Aide Rate
Cost Per-Foot	Foot	$17.00
Transformer	Each	Actual Cost

B) Residential Overhead Secondary/Service

	Unit	Aide Rate
Overhead Secondary/ Service		$200.00
Secondary Pole	Each	$230.00
Transformer	Each	Actual Cost

C) Residential Underground Primary

	Unit	Aide Rate
Cable #1/0 and 2" Conduit (Conduit Member Installed)	Foot	$12.00
Cable #1/0 and 2” Conduit	Foot	$17.00
Riser Assembly	Each	$345.00
Primary Pole	Each	$260.00
Intermediate Cabinet/URD Vault (Pulling Vault)	Each	$1,600.00
Transformer Assembly	Each	$1,600.00

D) Residential Underground Secondary/Service

	Unit	Aide Rate
Cable and 3" Conduit (Conduit Member Installed)	Foot	$3.00
Cable and 3" Conduit	Foot	$5.00
Secondary Riser Assembly	Each	$170.00
Secondary Pole	Each	$230.00
Secondary Vault	Each	$890.00
Transformer Assembly	Each	$1,600.00

E) Non-Permanent Residental Overhead and Underground (RV and Campers)

	Unit	Aide Rate
Calculate Estimated Cost Based on Construction Units	-	100%

F) General Power

	Unit	Aide Rate
Calculate Estimated Cost Based on Construction Units	-	100%
Transformer	Each	100%
400A Self-Contained Meter Base / Gang Meter Base	Each	100%
CT/PT Meter Cabinet	Each	100%

H) Three-Phase Standard 1/0 ACSR Line Extensions OH

	Unit	Aide Rate
Calculate Estimated Cost Based on Construction Units	-	100%

I) Residential Subdivisions Overhead and URD

UCEMC will charge appropriately for three phase URD construction in residential subdivisions/ developments large enough that the potential electrical load will require UCEMC to install three (3) phase for conductor loading or load balancing.

	Unit	Aide Rate
Calculate Estimated Cost Based on Construction Units	-	100%
Cable #1/0 and 2” (Conduit Member Installed) - Single Phase	Foot	$12.00
Cable #1/0 and 2” Conduit - Single Phase	Foot	$17.00
Additional Cable #1/0 and 2" Conduit due to conductor loading or phase balancing with subdivsion	Foot per Phase	$6.00
Additional overhead conductors for loading or phase balancing utilize Three-Phase Standard 1/0 ACSR Line Extensions OH section		

J) Temporary Line Extension

:frame to be determined by Engineering and approved by the General Man

	Unit	Aide Rate
Calculate Estimated Cost Based on Construction Units **(Install and Removal)**	-	100%

K) Non-Standard Line Extensions Coververd By Policy

	Unit	Aide Rate

To be determined by Dir. of Engineering and GM	-	-

VI) Outdoor Lighting

	Unit	Aide Rate
Minimum 12 months contract on existing Pole		$0.00
To Set Pole for Light Only	Each	$230.00
Per Month Cost of 30 ft Pole	Each	$5.00
Per Month Cost of 35 ft Pole	Each	$6.00
Per Month Cost of 40 ft Pole	Each	$7.00
Per Month Cost of 45 ft Pole	Each	$8.00
Transformer to serve security light	Each	$200.00

VII) Street Lighting

	Unit	Aide Rate
See Rate Schedule		

13) Right of Way Clearing

	Unit	Aide Rate
The Cooperative will clear ROW that involves or traverses any Federal, State, or Local Government Properties for which the Coop will charge the Member requesting extension of service.	-	100%

Board Policy 5-08, Consumer Line Extensions
Attachment B
Primary and Secondary Underground Line Extension Procedures and Regulations

Primary Underground Line Extension Procedures and Regulations

A. All extensions of primary line will be constructed by Cooperative personnel, except as otherwise stated herein.

2. The applicant shall open or cause to be opened a suitable ditch of not less than 48 inches in depth as required by UCEMC along the route and of the length authorized and specified by the Cooperative. Any cut or fill at the site must be completed before the ditch is opened.

3. Conduit, conductor and other related equipment will be installed by the Cooperative.

4. The conduit cushioning shall be installed by the contractor.

5. The applicant shall construct any transformer pad required in accordance with Cooperative specifications.

6. The applicant shall backfill the ditch or cause it to be backfilled upon authorization by the Cooperative.

7. All line extensions built hereunder shall be built to meet or exceed specifications for such construction by the most recent edition of the National Electrical Safety Code and code of line specifications as defined by the Rural Utility Services (RUS).

8. Charges to the applicant for the underground construction shall be those in excess of charges for similar overhead construction as defined in Attachment A, Chart of Line Extension Aid-In-Construction Charges. Additional charges common to both types of construction may apply.

Secondary Underground Line Extension Procedures and Regulations

Residential underground service shall be constructed to service entrances rated from 200 to 400 amps according to regulations and procedures stated herein below under Option 1 or Option 2. Any underground applications not covered herein shall be resolved by the Cooperative's general manager or his agent in accordance with applicable codes and any other governing authorities.

The Upper Cumberland Electric Membership Corporation, (hereinafter called the "cooperative" shall be the sole owner of such facilities installed on the side of the metering point adjacent to the primary supply line. The Cooperative shall determine the specifications for sighting such facility including but not limited to the metering point center, the route from the overhead facility to the metering point, the position of pole mounted conduit, and the capacity of the racking device to be installed on such pole.

The contractor as used herein shall be any person, persons, partnership, corporation or other entity responsible to the Cooperative for installing all or any part of such underground facility in accordance with specifications, regulations, procedures or other governing authorities outlined or alluded to herein.

The Cooperative will dispatch personnel and equipment to a secondary underground facilities installation site to install its part of the facilities under Options 1 or 2 as soon as feasible after being notified by the contractor of the site's readiness for such installation. The contractor will be assessed a charge equal to the greater of the cost to the Cooperative of personnel and equipment dispatched and working for one hour or the actual cost of such personnel and equipment whenever any installation of inspection work cannot be performed due to the contractor's lack of readiness.

OPTION 1

The contractor shall open or cause to be opened a ditch 27 to 30 inches in depth for conduit from the meter base to the service pole or to the pad mounted transformer. Any cut or fill at the location should be completed before the ditch is opened. The bottom of the ditch must be level or sloping at a consistent angle such that the conduit will be supported well with little or no vertical bending in the ditch. No sharp bends will be allowed from pole to meter base. Horizontal bends must be greater than 6' radius.

The contractor shall furnish and install 3-inch PVC Schedule 80 electrical conduit from the meter

base to the bottom of the ditch with a 90-degree wide radius elbow attached to the bottom. A suitable drawing will be made available to the contractor upon request. Service entrance cable shall have been installed.

The Cooperative will furnish and install suitable 3-inch conduit as required on the pole from the bottom of the ditch.

The contractor shall provide sand, rock-free dirt, or fine gravel 1/2 inch or less to cushion around conduit 3" under conduit and 6" above conduit.

The Cooperative will furnish, install, and cushion appropriate conduit from the service pole or pad mounted transformer and connect it to the conduit installed in accordance with No. 2 above.

The Cooperative will furnish and install conductor from the transformer to the meter base. The service conductor installed shall be:

For any 200 amp entrance service with a service span not exceeding 250 feet 4/0 triplex.

For any 400 amp entrance service with a service span not exceeding 250 feet of 350 MCM triplex.

The contractor shall backfill the ditch with select materials in accordance with the following UCEMC specifications and any applicable local, state or federal regulations. The contractor shall install a continuous marking tape supplied by the Cooperative in the ditch 12 inches below the finished grade after 5 and 6 above have been completed.

Underground services (UCEMC) will not be metered on any pole.

OPTION 2

Option 2 requirements shall be the same as Option 1 requirements, except the following:

The contractor shall furnish all conduit and related materials.

The contractor shall install all conduit and related materials, except that required on a pole above 10 feet.

The contractor shall provide, install, and cushion (as provided in 4 and 5 of Option 1) a continuous (unbroken) 3" minimum PVC (electrical grade, Schedule 40 below final grade or Schedule 80 above final grade) conduit in the ditch, as described in 5 of Option 1, with no horizontal elbows in the run (not counting riser and meter base location vertical elbows). Conduit must be permanently connected and have a minimum 200 lb. tensile pull string installed from the source to the meter location. A minimum of one foot separation from other utilities shall be maintained. No portion of elbow or conduit above finished grade will be permitted to be Schedule 40 PVC; however, Schedule 80 electrical grade PVC will be permitted if well protected from possible damage from sources such as vehicles and/or other heavy equipment.

The Cooperative will inspect ditch and conduit installation after No. 3 above is completed within 24 hours following notice that No. 3 above has been completed.

The contractor shall backfill ditch in accordance with No. 7 of Option 1 after the Cooperative has completed inspection provided in No. 4 above and has approved the ditch and conduit installation.

Where services cross streets, the ditch must be backfilled with crusher-run gravel. Where streets are paved, contractors should take out proper permits and repave according to local authority instructions.

Board Policy 5-08, Consumer Line Extensions
Attachment B cont.
Primary and Secondary Underground Line Extension Procedures and Regulations

I, contractor as defined in the Upper Cumberland Electric Membership Corporation's Regulations and Procedure for Installing Underground Secondary Facilities, have reviewed and understand Option 1 and Option 2 and related drawings of the said regulations and procedure for installing underground secondary electrical service conduit and related materials.

I have elected:

Option 1_____,

Option 2 _____ __, procedure for installing underground conduit facilities to serve a facility located at _____

I hereby agree to hold the Upper Cumberland Electric Membership Corporation harmless in any action resulting from damages to property or person resulting from any material I install or the manner in which I install any material.

_____

_____

_____

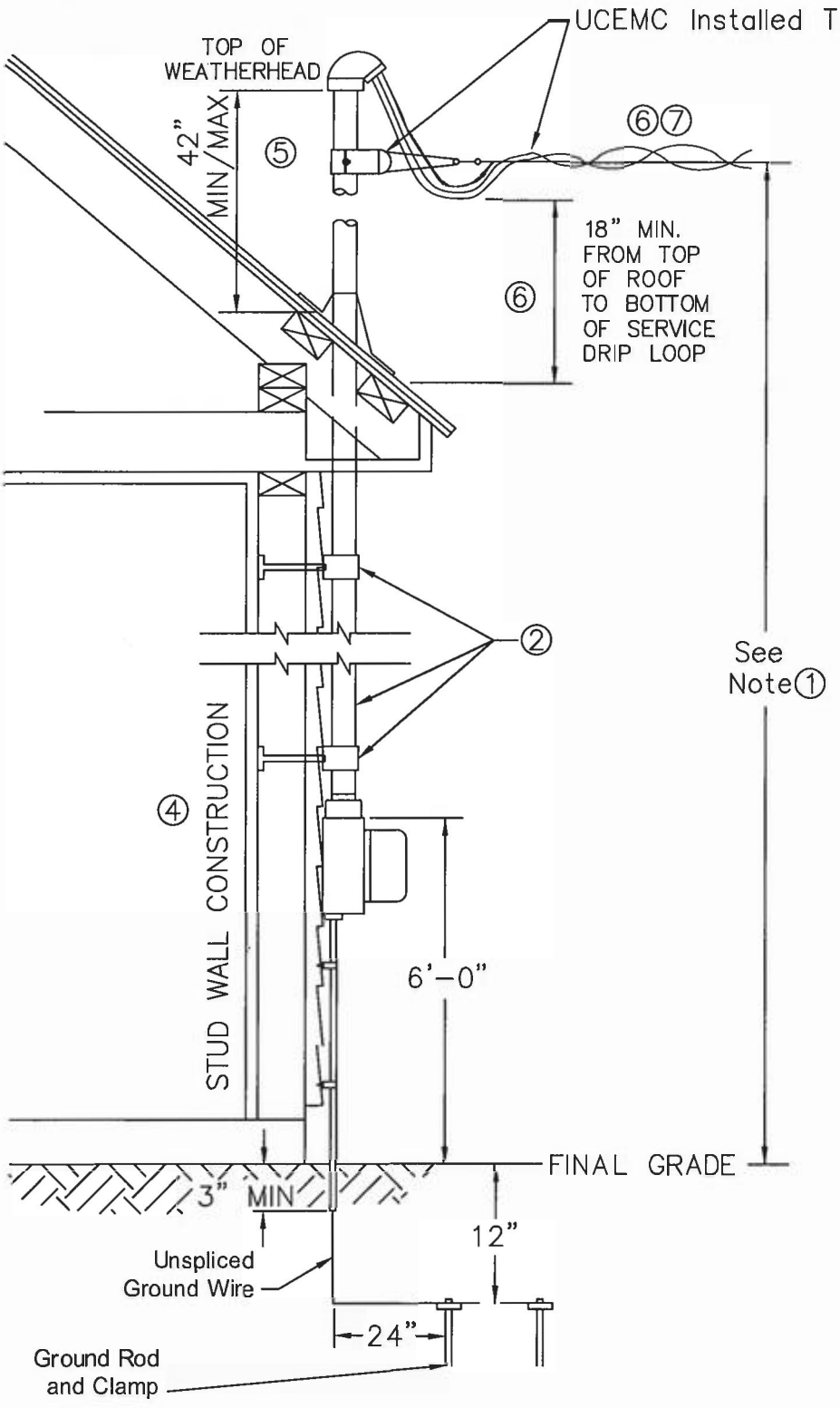
_____

Attest

Board Policy 5-08, Consumer Line Extensions
Attachment C
Drawings

COPIES OF DRAWINGS

(SEE NEXT PAGE)



NOTES:

1. Service attachment heights shall be in accordance with the most recent version of the NESC.(See table 232) The current minimum values are included below.

   (NEC)10' minimum for electrical service wire & the drip loop.

   12' minimum above walks and final grade.

   16' minimum above resid-ential driveway.

   18' minimum above public streets, alleys, and cultivated fields or grazing areas.

2. 2 1/2" mininum rigid steel conduit, & Ridged standoffs.

3. Mast entrance can be used on all types of brick, stud, block and steel construction to obtain necessary clearance.

4. Service panel shall not be located in stud space behind the meter if it would interfere with conduit clamp placement.

5. If riser exceeds 48" above roof, then use a metal brace or wire as required to support the riser.

6. The minimum roof clearances from wire to roof shall be 3' but can be reduced to 18" if the service conductors are 6' or less in distance and over hang the roof 4' or less, with a pitch of less than 4 rise to 12 run.

7. The minimum roof clearances from wire to roof shall be 3' at the closest point to the roof when spanned over a portion of the roof. (See Note 6 for an exception when applicable.)

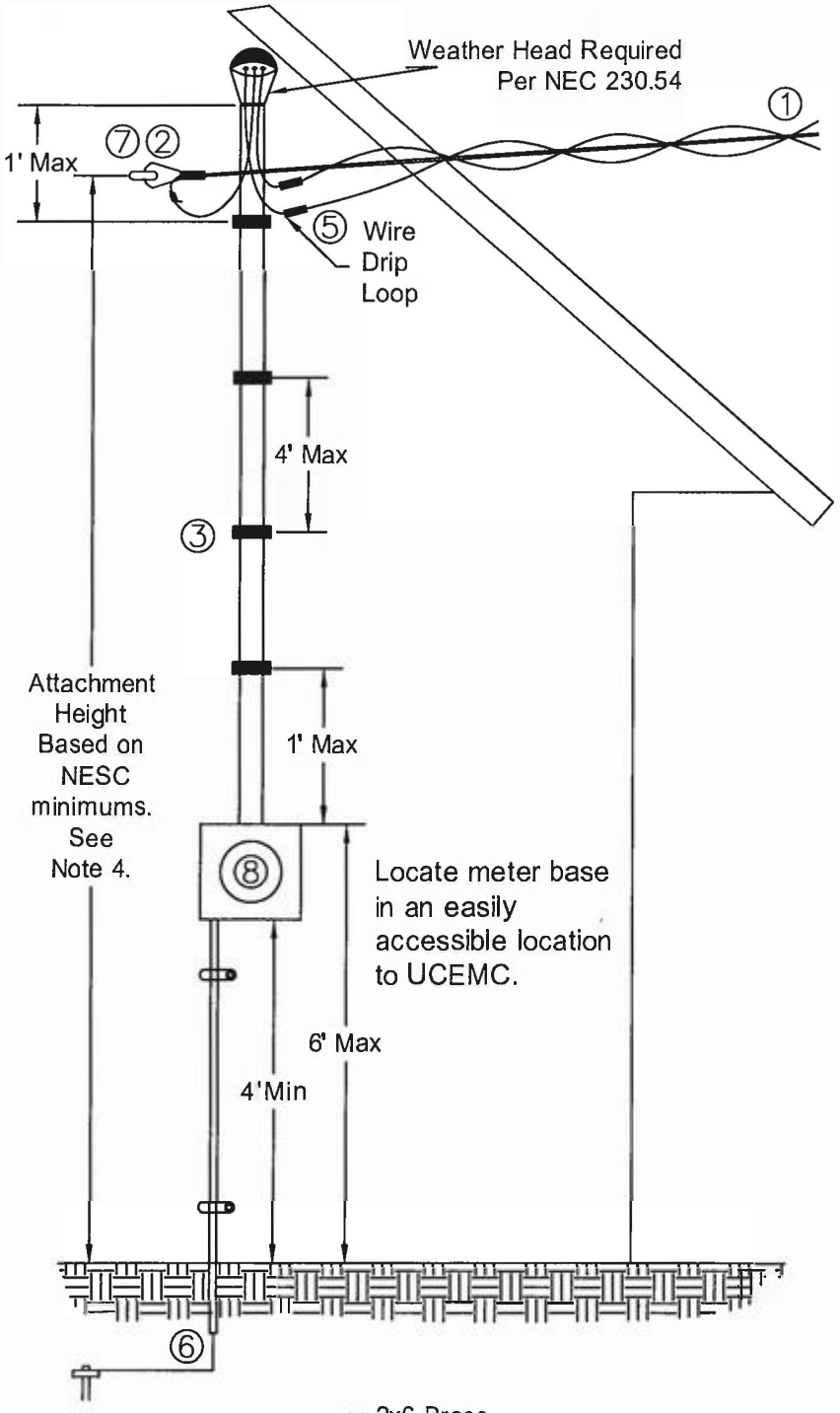
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

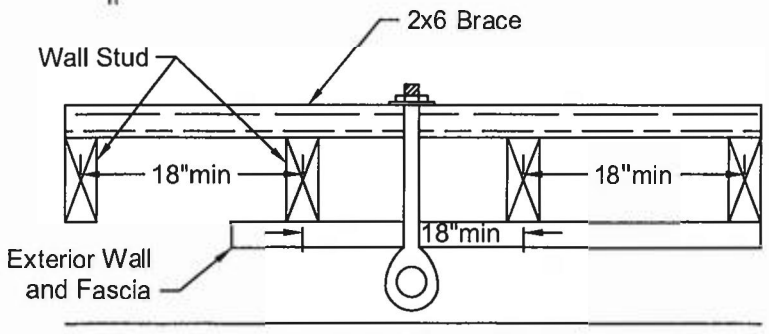
OVERHEAD SERVICE PERMANENT METER BASE WEATHER HEAD MOUNTED

DATE: 04-18-2019

STANDARD

MB-OH 1





Eyebolt Mount Detail

GENERAL NOTES:

1. The secondary wire's point of attachment must be less than 125' from the prior UCEMC pole in a path that is clear of obstruction and containing minimal vegetation.
2. An eyebolt $\frac{5}{8}$ inch diameter minimum will be supplied by UCEMC. See the eyebolt detail on this drawing for mounting specifications. Notify your engineer if you haven't received it. The eyebolt should be mounted within 24" of the conduit weather head. Locate eyebolt mounting on structural members of the building's frame capable of supporting wire weight and tension loads. The attachment point shall be located 3 ft from doors, porches, balconies, ladders, stairs, fire escapes, or similar locations so as to make the service wires out of reach.
3. There shall be a minimum of two ridged conduit straps for support on the conduit. The conduit shall be 2.5" minimum or for larger conductors requiring a larger conduit, size per the most current NEC version.
4. Attachment height shall be based on the most current version of the NESC. Currently 18' minimum above public streets, alleys, and cultivated fields. 16' minumum above residential driveways and 12' minimum above finished grade and walkways.
5. Service entrance conductor must extend 36" minimum from the weather head for connecting purposes.
6. Ground wires shall be unspliced in accordance with the most current version of the NEC. Driven ground rods and clamp shall be below grade.
7. Locate eyebolt such that multiplexed cable taking off from a UCEMC pole can not touch or rub against any part of the support structure or the riser assembly. See drawing MB-OH1 for an alternate mount solution.
8. The meter base shall be flush mounted on the building's exterior wall using $\frac{1}{4}$" stainless steel bolts or lag screws. The meter base will be located where it will be easily accessible with no obstructions for UCEMC to access without a need to move objects or gain access from the home owner.

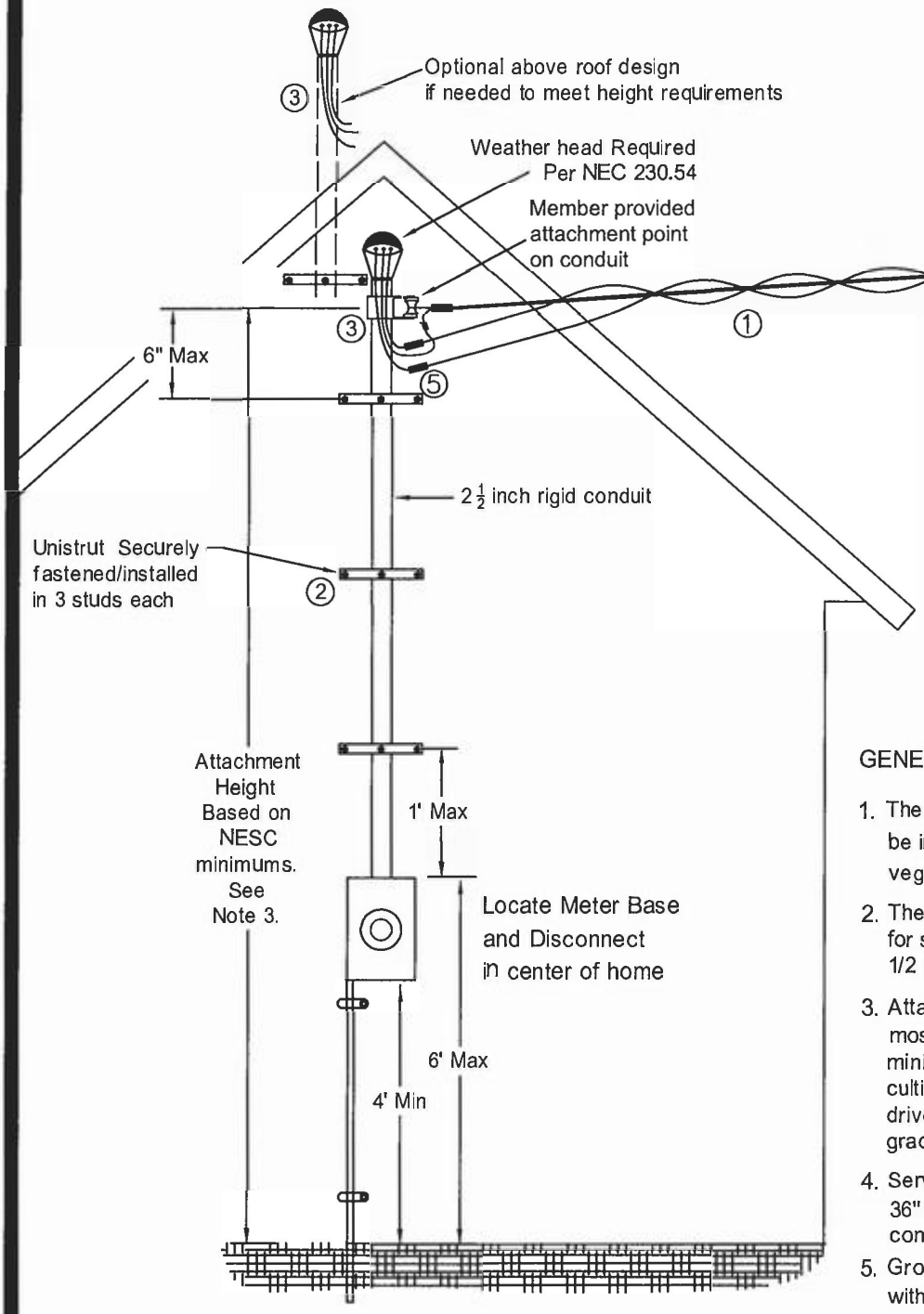
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

OVERHEAD SERVICE PERMANENT METER BASE EYE BOLT MOUNTED

DATE: 04-18-2019

STANDARD

MB–OH 2



GENERAL NOTES:

1. The Secondary wires point of attachment must be in a path that is clear of obstructions and vegetation.
2. There shall be a minimum of three conduit straps for support on the conduit. The conduit shall be 2 1/2 inch rigid.
3. Attachment height shall be based on the most current version of the NESC. Currently 18' minimum above public streets, alleys, and cultivated fields. 16' minimum above residential driveways, and 12' minimum above finished grade and walkways.
4. Service entrance conductor must extend 36" minimum from the weather head for connecting purposes.
5. Ground wires shall be unspliced in accordance with the most current version of the NEC. Driven ground rods and clamp shall be below grade.

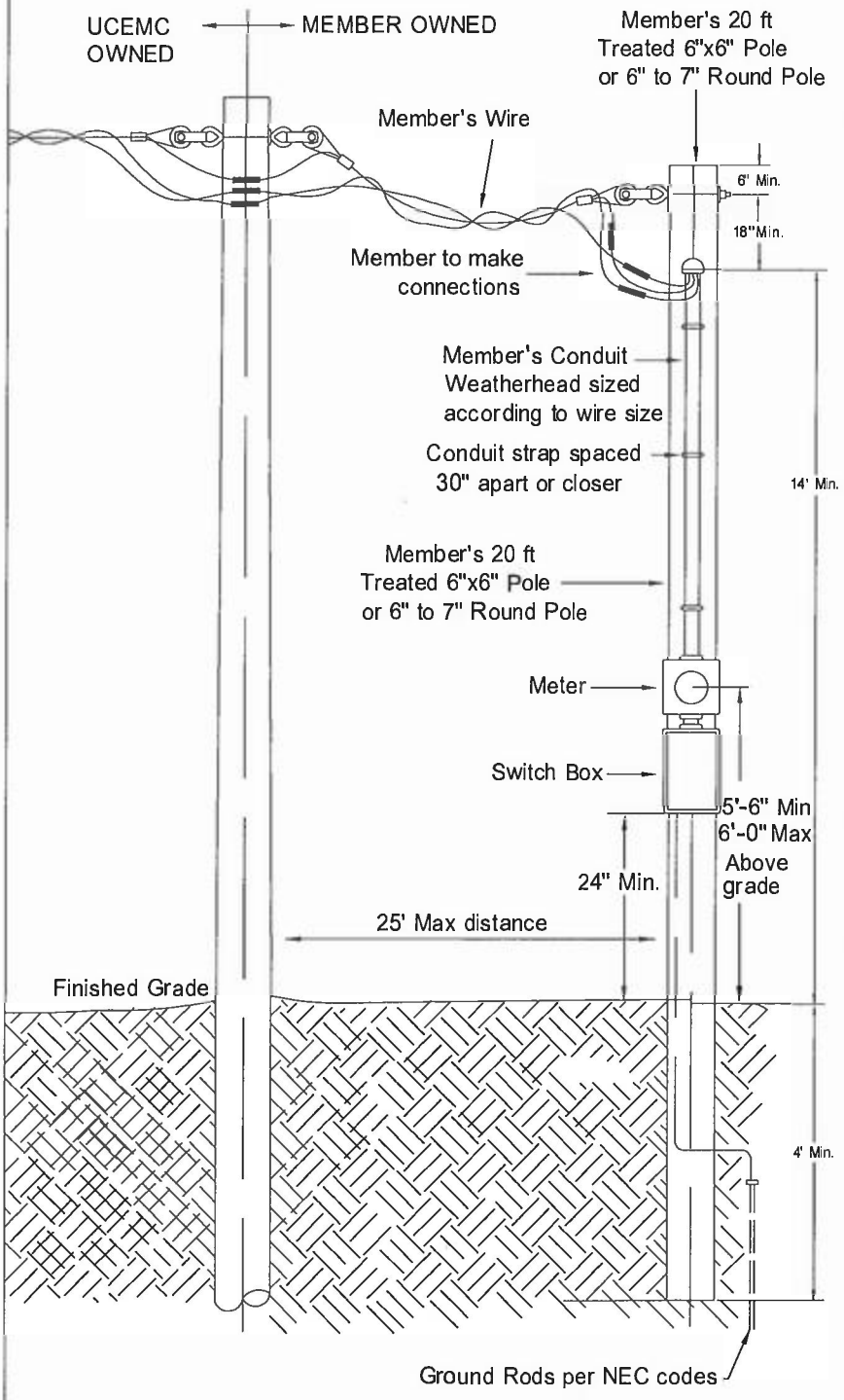
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

OVER HEAD SERVICE PERMANENT METER BASE DOUBLE WIDE HOME

DATE: 12-7-23

STANDARD NUMBER

MB-OH D/W



GENERAL NOTES:

1. Contact UCEMC engineering to confirm a location for the menber owned meter pole and UCEMC service pole.
2. UCEMC reserves the right not to install a service that does not adhere to the required specifications in this document.
3. Member to supply 35ft minimum of 1/0-1/0-1/0 Neritina Alu. Triplex (600v), or equivalent. Conductor must extend 35ft minimum from the eyebolt. Member to make connections at weatherhead using a Polaris Multi-Tap UV Rated connector, leave connector uncovered for visual inspection. UCEMC to make connections at UCEMC's pole. No split-bolt connection permitted.
4. The meter base shall be flush mounted on the pole using stainless steel bolts or lag screws. The meter base will be located where it is easily accessible with no obstructions for UCEMC to access without the need to move objects or gain access from the home owner.
5. UCEMC will not install a service that does not adhere to the required specifications in this document.
6. The switch box shown is for example only, representing a typical service disconnecting means.

GENERAL NOTE:

This diagram is intended to show the construction requirements for pole mounted metering. Refer to the National Electric Code 300 to determine the wiring specifications for the type of service being installed.

UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

METERING ON THE POLE PERMANENT METER BASE WEATHER HEAD MOUNT

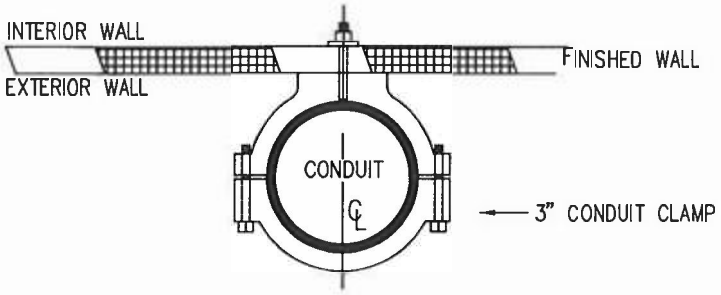
DATE: 4-1-2024

STANDARD

MOP-OH-1

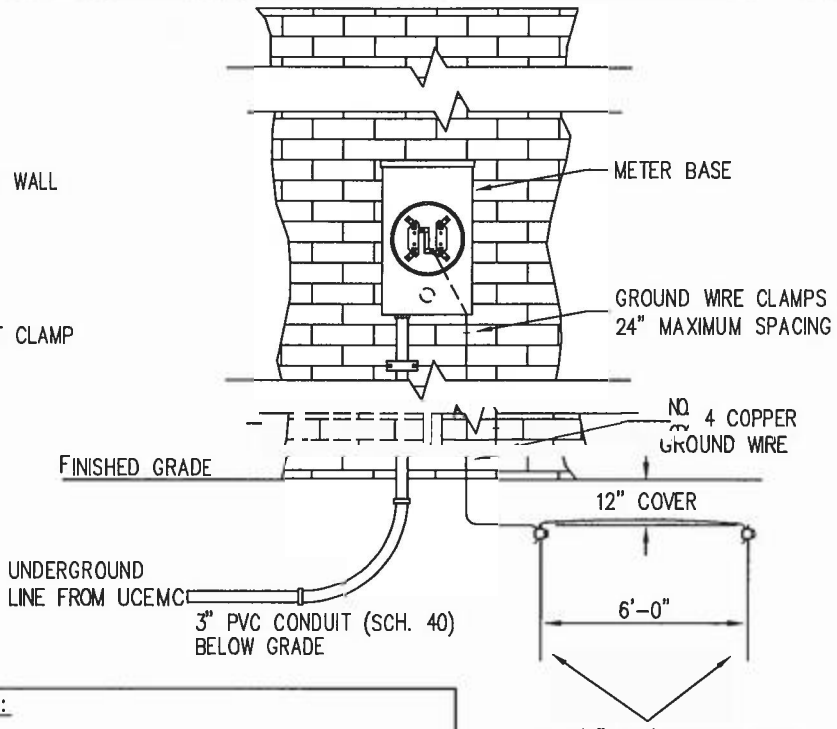
MOP-OH-1.dwg

DETAIL OF CONDUIT STAND-OFF

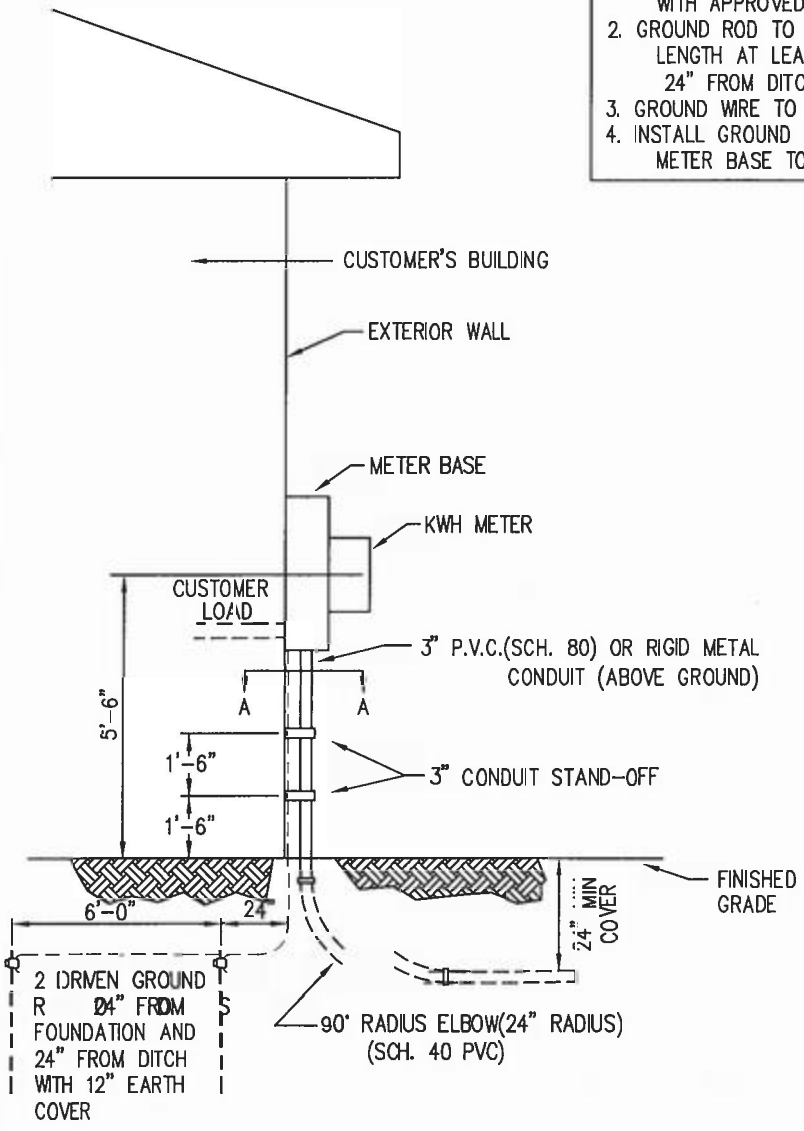


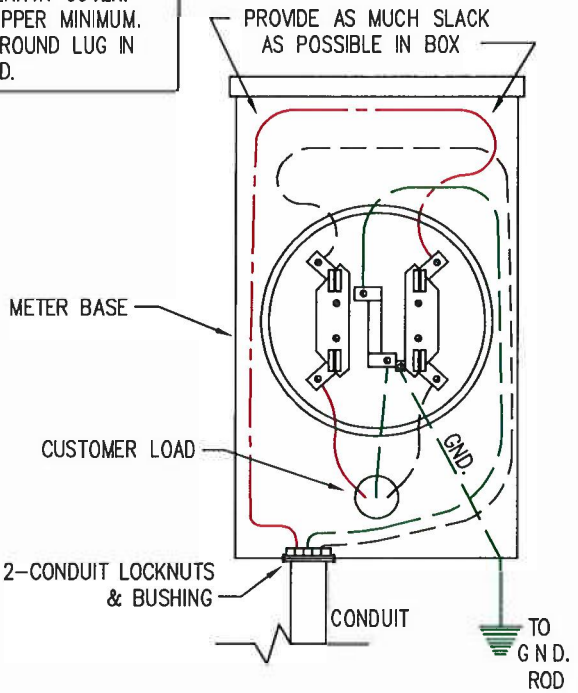
PLAN A-A

NOTES:
1. INSTALL 3" CONDUIT STAND-OFF.
2. DRILL 3/4" HOLE ON CENTER OF CONDUIT.
3. USE 5/8" ALL-THREAD BOLT WITH LOCK WASHER INSIDE WALL OR MASONRY AND EXTEND FOR LOCK WASHER AND NUT.
4. STAND-OFF MUST SUPPORT WEIGHT OF CONDUIT.



NOTES:
1. GROUND ROD TO BE COPPER CLAD WITH APPROVED CLAMP.
2. GROUND ROD TO BE DRIVEN IN GROUND FULL LENGTH AT LEAST 24" FROM FOUNDATION AND 24" FROM DITCH WITH 12" EARTH COVER.
3. GROUND WIRE TO BE NO. 4 COPPER MINIMUM.
4. INSTALL GROUND WIRE FROM GROUND LUG IN METER BASE TO GROUND ROD.





APPROVED BY: DATE:

DATE	REVISION

UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

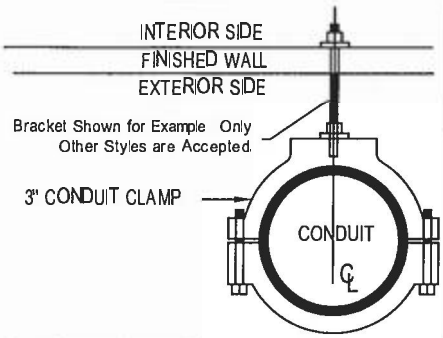
DATE: 12-7-23

STANDARD NUMBER

MB-UG-1

DETAIL OF CONDUIT STAND-OFF

PLAN A



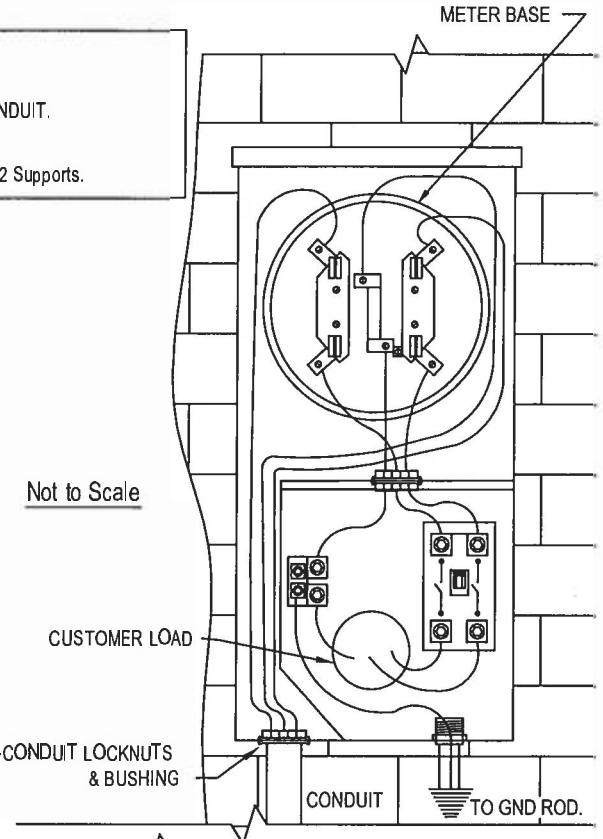
NOTES:

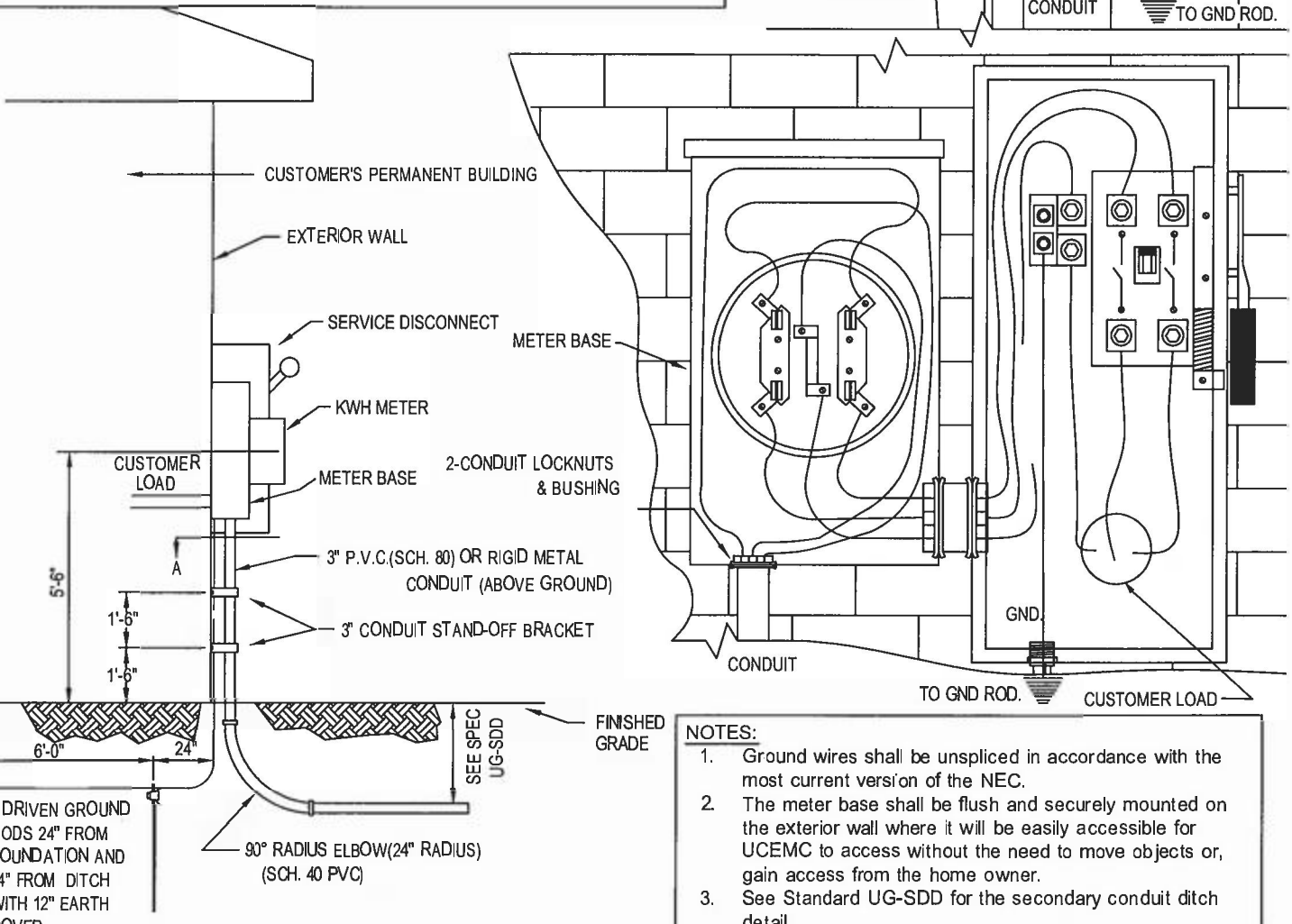
1. INSTALL 3" CONDUIT STAND-OFF.
2. STAND-OFF MUST SUPPORT WEIGHT OF CONDUIT.
3. ALL PVC CONDUIT SHALL BE SCHEDULE 80.
4. All CONDUITS LONGER THAN 3' SHALL HAVE 2 Supports.

GENERAL NOTES:

1. All installations shall comply with the most current version of the National Electric Code. This included all wire sizing, and disconnect ratings.
2. UCEMC reserves the right NOT to connect service if the CO-OP representative considers the installation to not be according to these specifications.
3. Exterior service disconnects may not be required, ask your electrician to verify. if not required reference specification MB-UG1.
4. Meter shall not be installed inside porches, carports, garages or on any part of the building that may some day be enclosed.
5. For Mobile Homes see NEC 550.32 for information regarding Service Entrance equipment. Mobile Homes service equipment can not be located on the mobile home, see UCEMC SPEC MOP-1 for details.

Not to Scale





NOTES:

1. Ground wires shall be unspliced in accordance with the most current version of the NEC.
2. The meter base shall be flush and securely mounted on the exterior wall where it will be easily accessible for UCEMC to access without the need to move objects or, gain access from the home owner.
3. See Standard UG-SDD for the secondary conduit ditch detail.

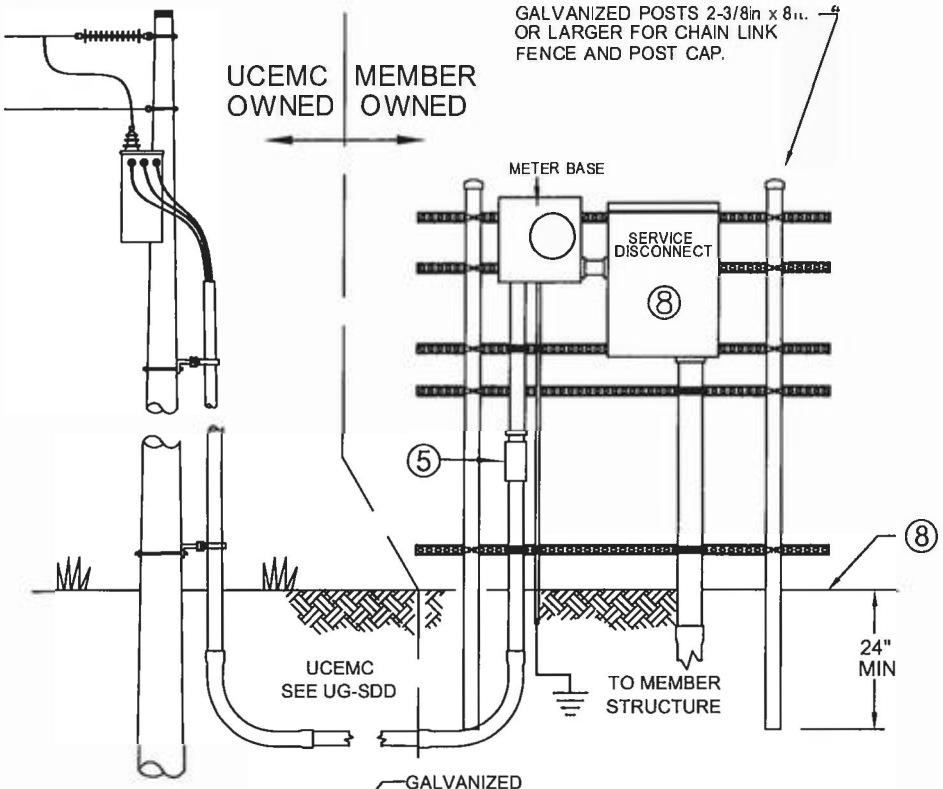
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

UNDERGROUND SERVICE PERMANENT METER BASE EXTERIOR DISCONNECT

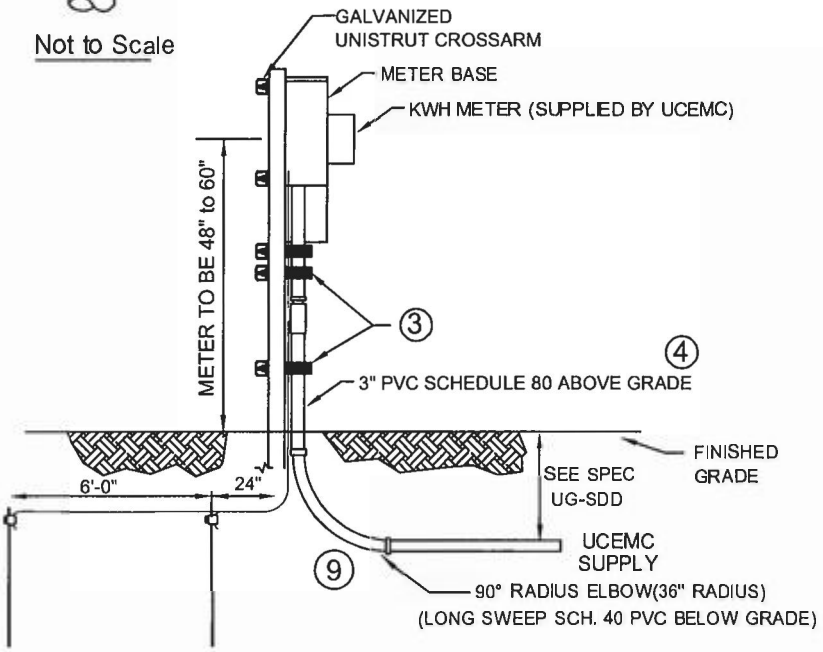
DATE: 07-02-2019

STANDARD

MB–UG 2



Not to Scale



Ground Rods per NEC codes

NUMBERED NOTES:

1. Contact UCEMC engineering to confirm a location for the member owned Pedestal and the UCEMC supply pole.

2. UCEMC reserves the right not to install a service that does not adhere to the required specifications in this document.

3. A minimum of two conduit supports shall secure the supply conduit to the main support structure using galvanized or stainless steel hardware.

4. The supply conduit to the meter base shall be size 3" schedule 80 electrical grade PVC when exposed above ground.

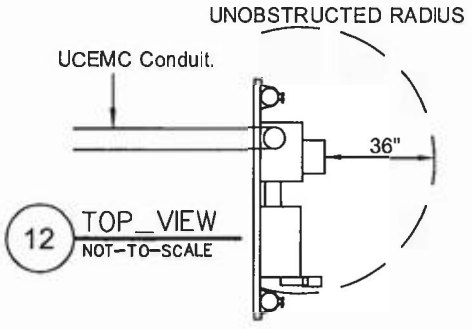
5. Members should install a PVC expansion coupling below the meter on the underground supply conduit.

6. Service entrance conductors from UCEMC's supply pole to the meter base will be supplied and installed by UCEMC.

7. When supplying power to a mobile home, locate the pedestal within 200' wire distance of the UCEMC transformer pole.

8. Pedestal posts should be installed at 24" depth, minimum with backfill being tamped at a maximum of every 6".

9. Long Sweep PVC elbows shall be supplied and installed when transitioning from the ditch to a PVC riser.



GENERAL NOTES:

10. The service installation must meet NEC, NESC, and UCEMC requirements for connections.
11. Unless otherwise noted in this document, all material shown is to be supplied and installed by the member.
12. The meter base will be located where it will be easily accessible, without the need to move obstructions, or enter enclosed areas that require the home owner to access.

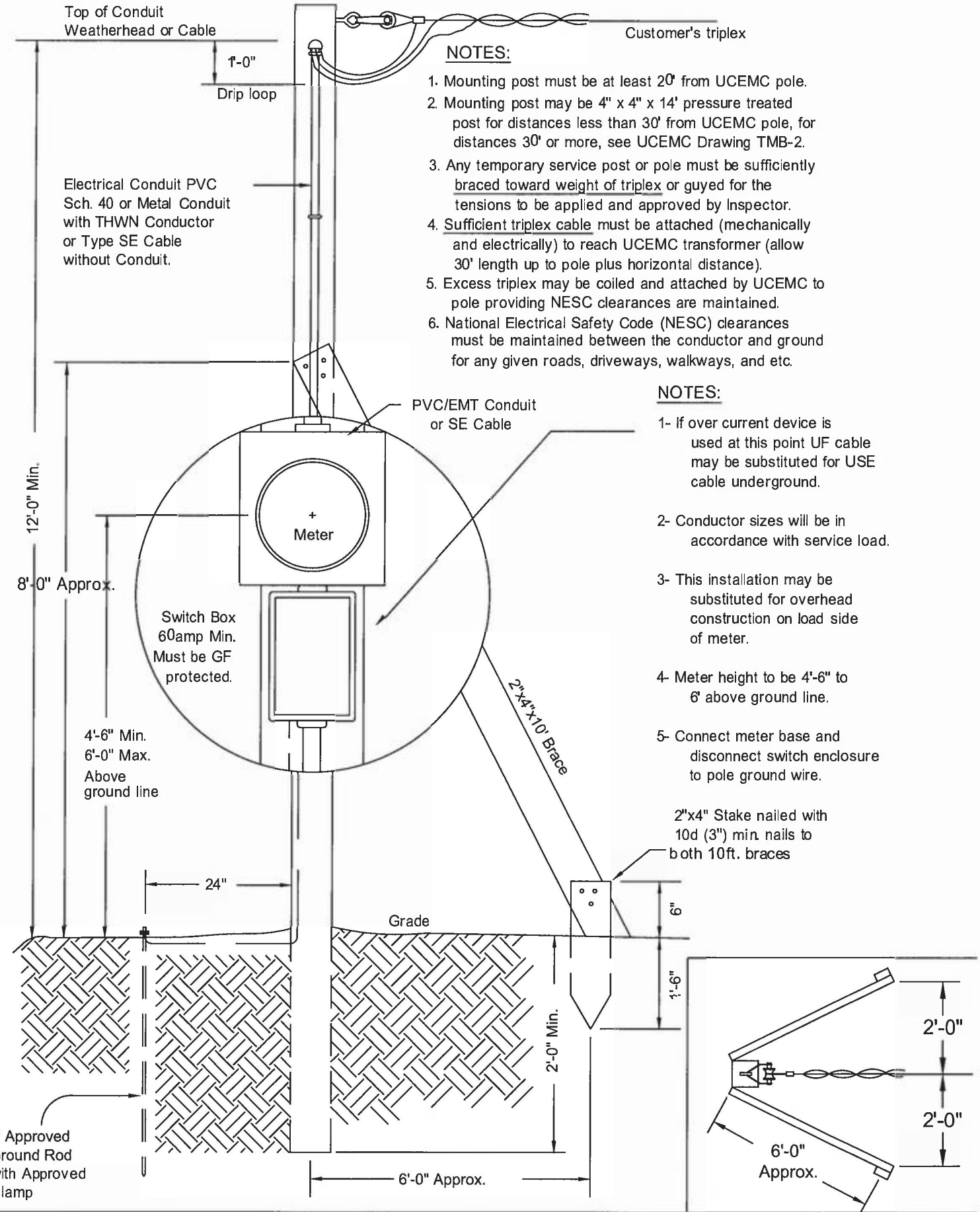
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

METERING ON A PEDESTAL PERMANENT METER BASE WITH DISCONNECT

DATE: 12-7-2023

STANDARD

MB-PED-1



NOTES:

1. Mounting post must be at least 20' from UCEMC pole.
2. Mounting post may be 4" x 4" x 14' pressure treated post for distances less than 30' from UCEMC pole, for distances 30' or more, see UCEMC Drawing TMB-2.
3. Any temporary service post or pole must be sufficiently braced toward weight of triplex or guyed for the tensions to be applied and approved by Inspector.
4. Sufficient triplex cable must be attached (mechanically and electrically) to reach UCEMC transformer (allow 30' length up to pole plus horizontal distance).
5. Excess triplex may be coiled and attached by UCEMC to pole providing NESC clearances are maintained.
6. National Electrical Safety Code (NESC) clearances must be maintained between the conductor and ground for any given roads, driveways, walkways, and etc.

NOTES:

1- If over current device is used at this point UF cable may be substituted for USE cable underground.

2- Conductor sizes will be in accordance with service load.

3- This installation may be substituted for overhead construction on load side of meter.

4- Meter height to be 4'-6" to 6' above ground line.

5- Connect meter base and disconnect switch enclosure to pole ground wire.

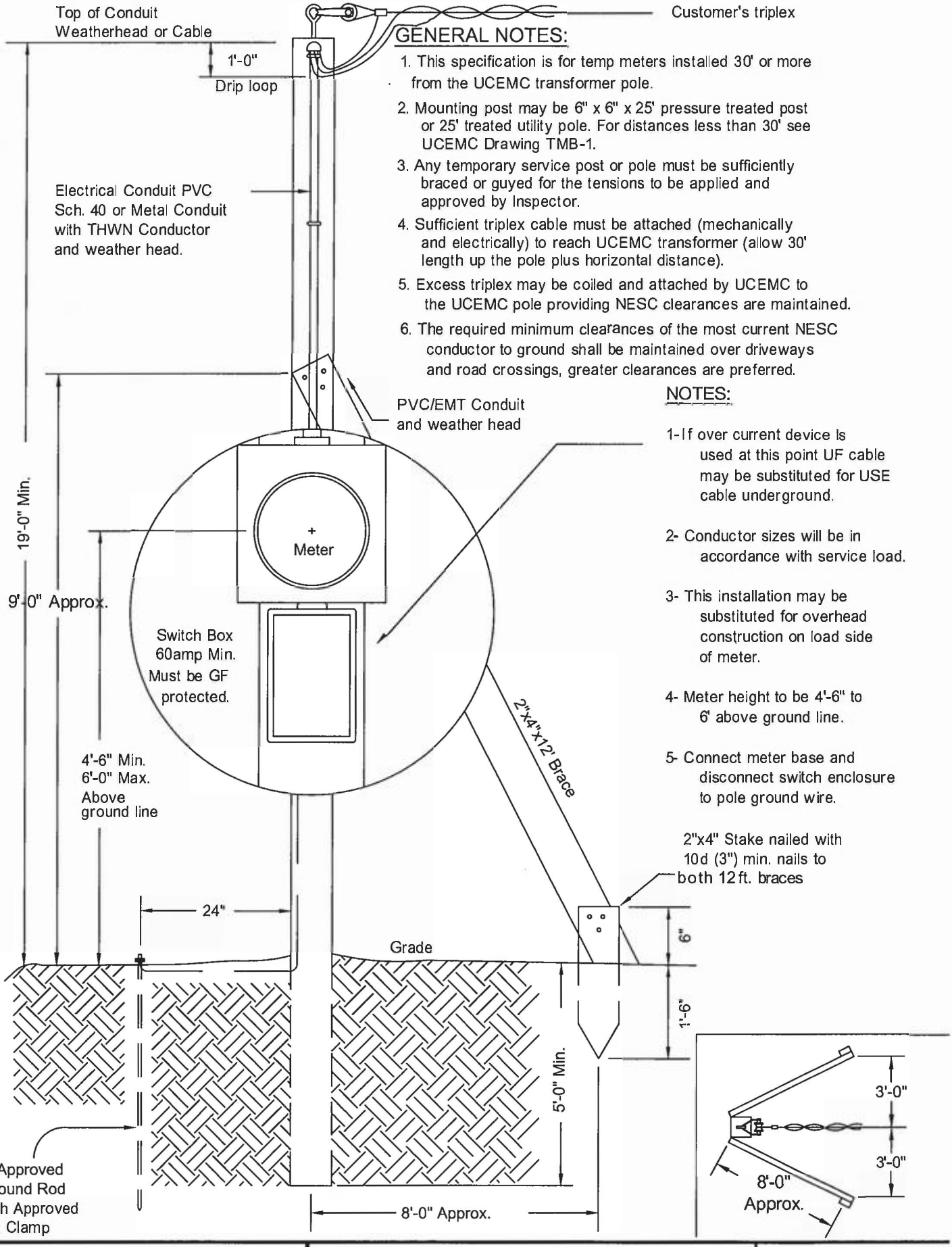
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

TEMPORARY METER POLE (FOR CONSTRUCTION USE) 60-100A SERVICE

DATE: 06-03-2013

STANDARD

TMB–1



GENERAL NOTES:

1. This specification is for temp meters installed 30' or more from the UCEMC transformer pole.
2. Mounting post may be 6" x 6" x 25' pressure treated post or 25' treated utility pole. For distances less than 30' see UCEMC Drawing TMB-1.
3. Any temporary service post or pole must be sufficiently braced or guyed for the tensions to be applied and approved by Inspector.
4. Sufficient triplex cable must be attached (mechanically and electrically) to reach UCEMC transformer (allow 30' length up the pole plus horizontal distance).
5. Excess triplex may be coiled and attached by UCEMC to the UCEMC pole providing NESC clearances are maintained.
6. The required minimum clearances of the most current NESC conductor to ground shall be maintained over driveways and road crossings, greater clearances are preferred.

NOTES:

1- If over current device is used at this point UF cable may be substituted for USE cable underground.

2- Conductor sizes will be in accordance with service load.

3- This installation may be substituted for overhead construction on load side of meter.

4- Meter height to be 4'-6" to 6' above ground line.

5- Connect meter base and disconnect switch enclosure to pole ground wire.

2"x4" Stake nailed with 10d (3") min. nails to both 12 ft. braces

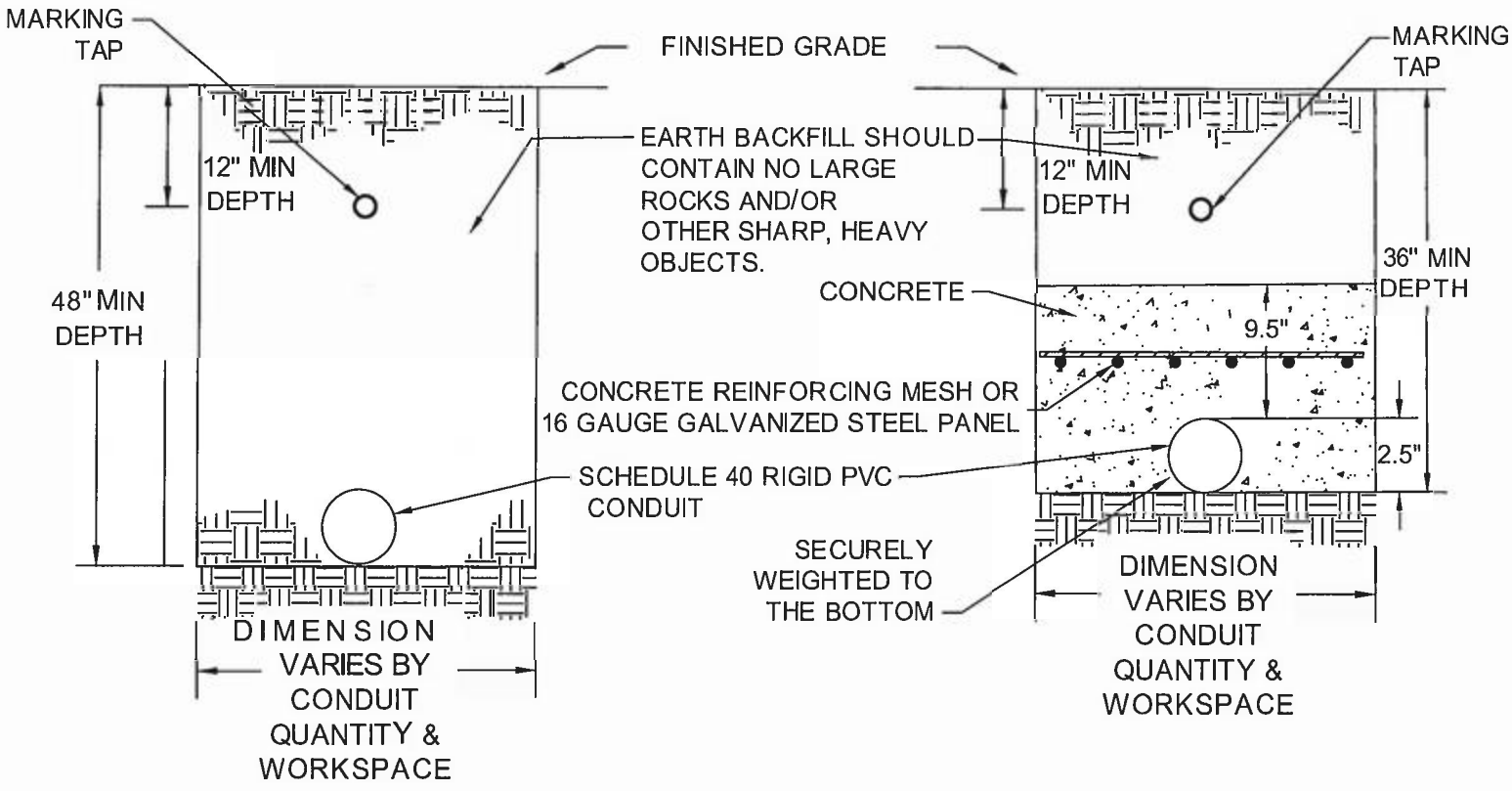
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

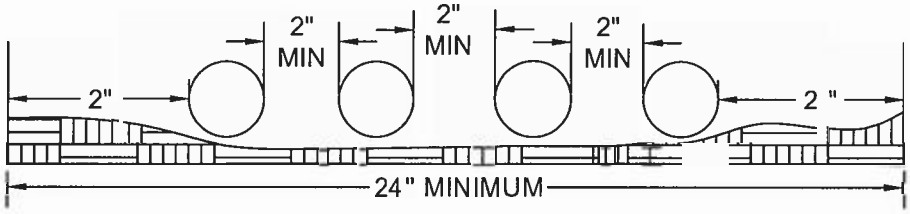
TEMPORARY METER POLE (FOR CONSTRUCTION USE) 30' OR GREATER SPAN

DATE: 08-18-1998

STANDARD

TMB–2





NOTES

1. CONDUIT SHALL BE 2.5" RIGID PVC SCHEDULE 40 ELECTRICAL GRADE EXCEPT UNDER DRIVEWAYS. CONDUITS INSTALLED UNDER DRIVEWAYS SHALL BE SCHEDULE 80 PVC ELECTRICAL GRADE.
2. NO SHARP BENDS WILL BE ALLOWED. HORIZONTAL BENDS MUST BE GREATER THAN 6 FEET IN RADIUS.
3. THE DITCH DEPTH SHOULD MATCH THE DETAILS DEPTH, WITH THE BOTTOM OF DITCH LEVEL OR SLOPING AT A CONSISTENT ANGLE SUCH THAT THE CONDUIT WILL BE SUPPORTED WELL WITH LITTLE OR NO VERTICAL BENDING IN THE DITCH. IF A SOLID ROCK IS ENCOUNTERED, THE CONDUIT MAY BE ENCASED IN 12" OF CONCRETE NOT LESS THAN 24" BELOW FINISHED GRADE.
4. ALL FOREIGN UTILITIES MUST MAINTAIN 36" PARALLEL HORIZONTAL SEPARATION AND 12" OF VERTICAL SEPARATION BETWEEN UCEMC'S POWER CONDUIT AND THE FOREIGN UTILITY.
5. MAINTAIN 2" OF SEPARATION BETWEEN EACH INSTALLED CONDUIT.
6. THE BOTTOM OF THE DITCH SHOULD BE CLEAN TAMPED EARTH FREE FROM ABRASIONS.
7. DO NOT DIG THE DITCH WITHIN 5' OF SWIMMING POOLS OR UNDERNEATH THE FOUNDATION OF BUILDINGS OR OTHER STRUCTURES SUCH AS SHEDS, GARAGES, OR TANKS.
8. MACHINE COMPACTION OF BACKFILL SHALL NOT BE USED.

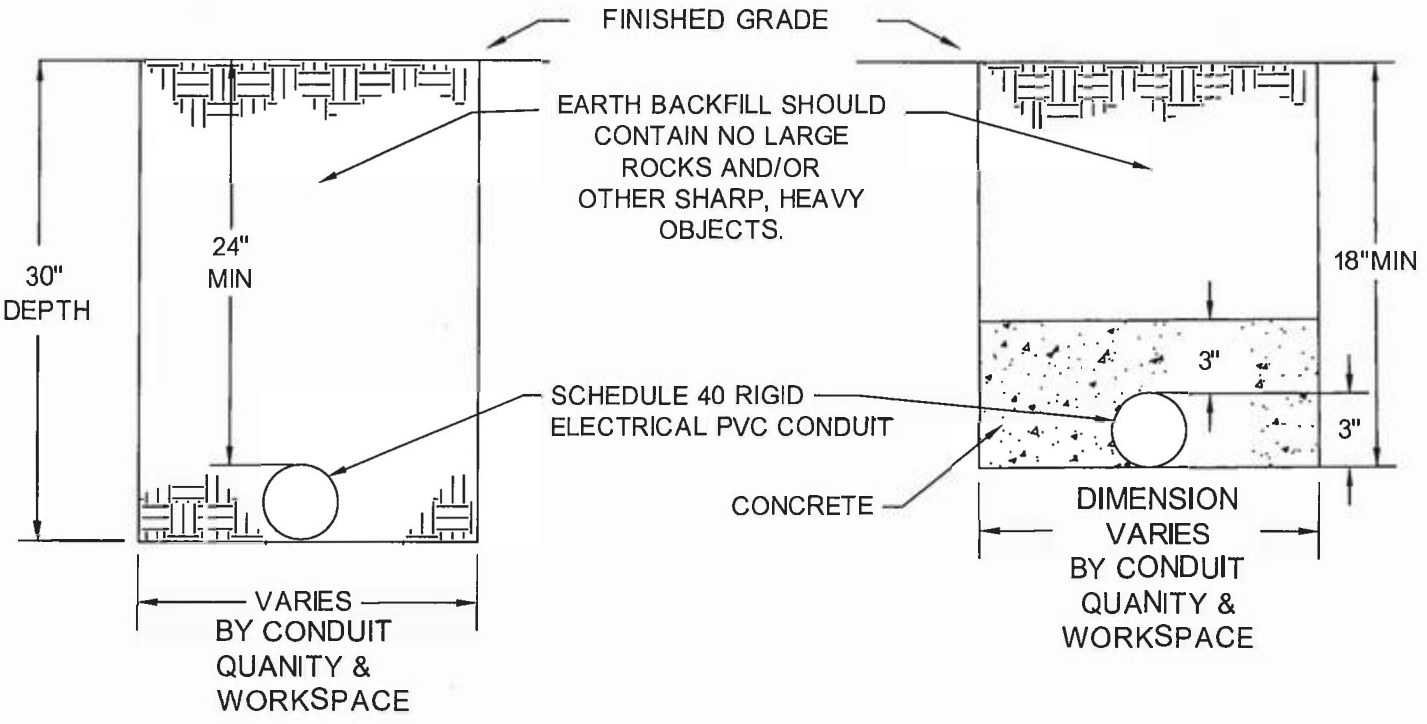
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

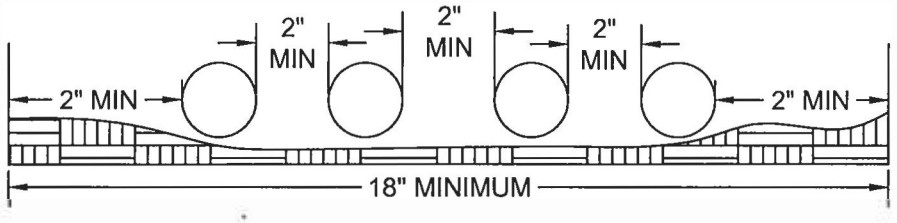
UNDERGROUND PRIMARY DITCH DETAIL

DATE: 04-29-2019

STANDARD

UG—PDD





NOTES

1. CONDUIT SHALL BE 3" RIGID PVC SCHEDULE 40 ELECTRICAL GRADE EXCEPT UNDER DRIVEWAYS. CONDUITS INSTALLED UNDER DRIVEWAYS SHALL BE SCHEDULE 80 PVC ELECTRICAL GRADE.
2. NO SHARP BENDS WILL BE ALLOWED. HORIZONTAL BENDS MUST BE GREATER THAN 6' RADIUS.
3. THE DITCH MUST BE BETWEEN 27" AND 30" DEEP, WITH THE BOTTOM OF DITCH LEVEL OR SLOPING AT A CONSISTENT ANGLE SUCH THAT THE CONDUIT WILL BE SUPPORTED WELL WITH LITTLE OR NO VERTICAL BENDING IN DITCH. IF SOLID ROCK IS ENCOUNTERED, CONDUIT MAY BE ENCASED IN 6" OF CONCRETE NOT LESS THAN 18" BELOW FINISHED GRADE.
4. ALL FOREIGN UTILITIES MUST MAINTAIN 36" PARALLEL SEPARATION AND 12" OF VERTICAL SEPARATION BETWEEN UCEMC'S CONDUIT AND THE FOREIGN UTILITY.
5. MAINTAIN 2" OF SEPARATION BETWEEN EACH INSTALLED CONDUIT.
6. THE BOTTOM OF THE DITCH SHOULD BE CLEAN TAMPED EARTH FREE FROM ABRASIONS.
7. DO NOT DIG THE DITCH WITHIN 5' OF SWIMMING POOLS OR UNDERNEATH THE FOUNDATION OF BUILDINGS OR OTHER STRUCTURES SUCH AS SHEDS, GARAGES, OR TANKS.
8. MACHINE COMPACTION OF BACKFILL SHALL NOT BE USED.

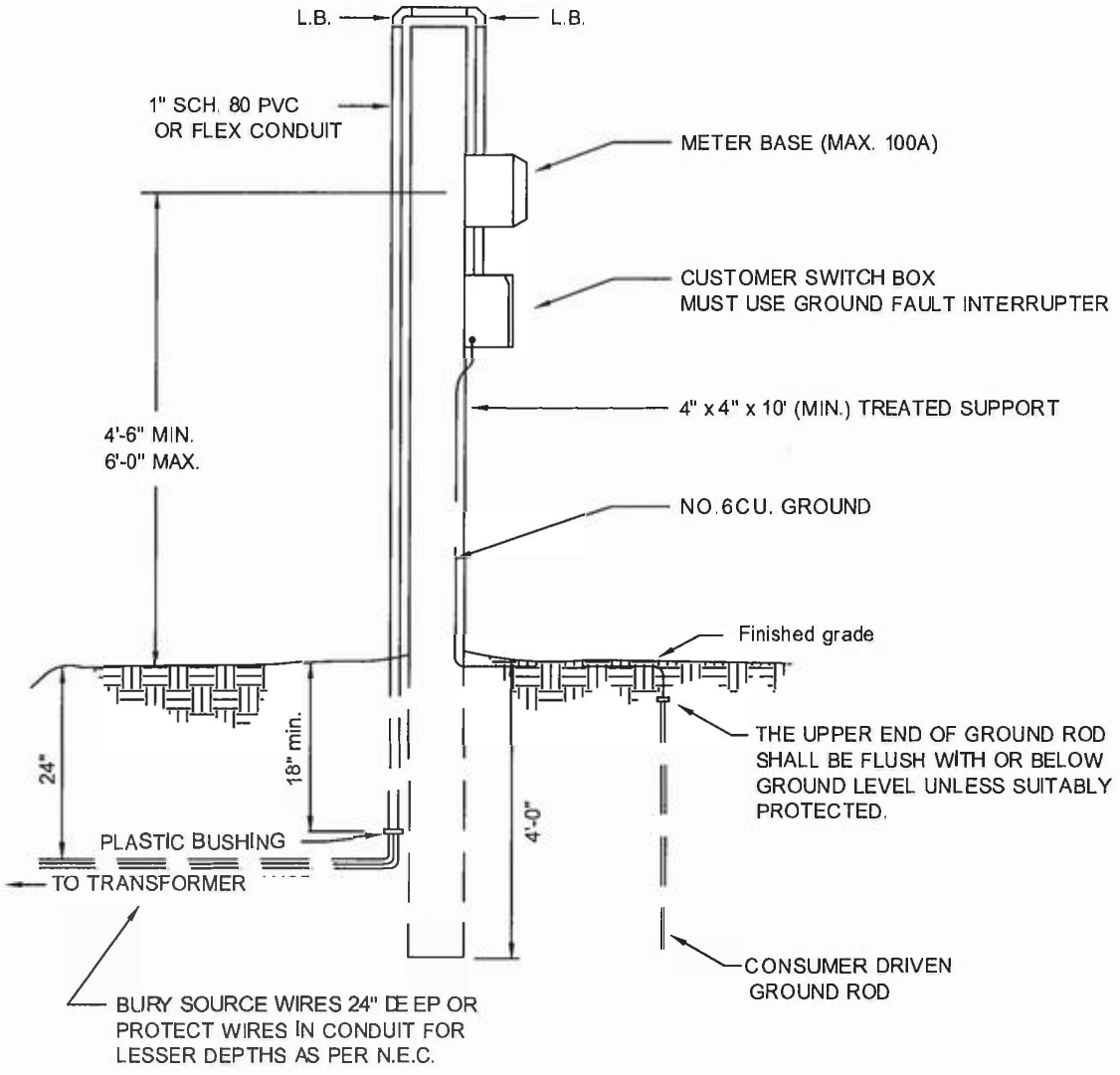
UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

UNDERGROUND SECONDARY DITCH DETAIL

DATE: 04-29-2019

STANDARD

UG–SDD



NOTES

1. SOURCE CABLE WILL BE OF SUFFICIENT LENGTH TO REACH U.C.E.M.C. TRANSFORMER AND ALLOW 6'-0" ADDITIONAL FOR CONNECTION.

2. GFCI WILL BE REQUIRED ON ALL TEMPORARY CONSTRUCTION ENTRANCES. ALL CIRCUITS FROM SWITCH BOX ON POLE TO CONSTRUCTION SITE WILL BE OF APPROVED TYPE CABLE AND KEPT IN A GOOD, SAFE, SERVICEABLE CONDITION.

3. CONTRACTOR WILL PULL THE INSTALLED GROUND ROD OR DRIVE IT 18" UNDER THE GROUND WHEN SERVICE IS DISCONNECTED.

4. APPROVED 60 AMP WEATHERPROOF SWITCH BOX.

5. NO. 6 CU. OR NO. 4 AL. SOURCE WIRES. MUST BE N.E.C. APPROVED FOR DIRECT BURIAL.

UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

TEMPORARY SERVICE FROM UNDERGROUND (FOR CONSTRUCTION USE)

DATE: 04-24-2019

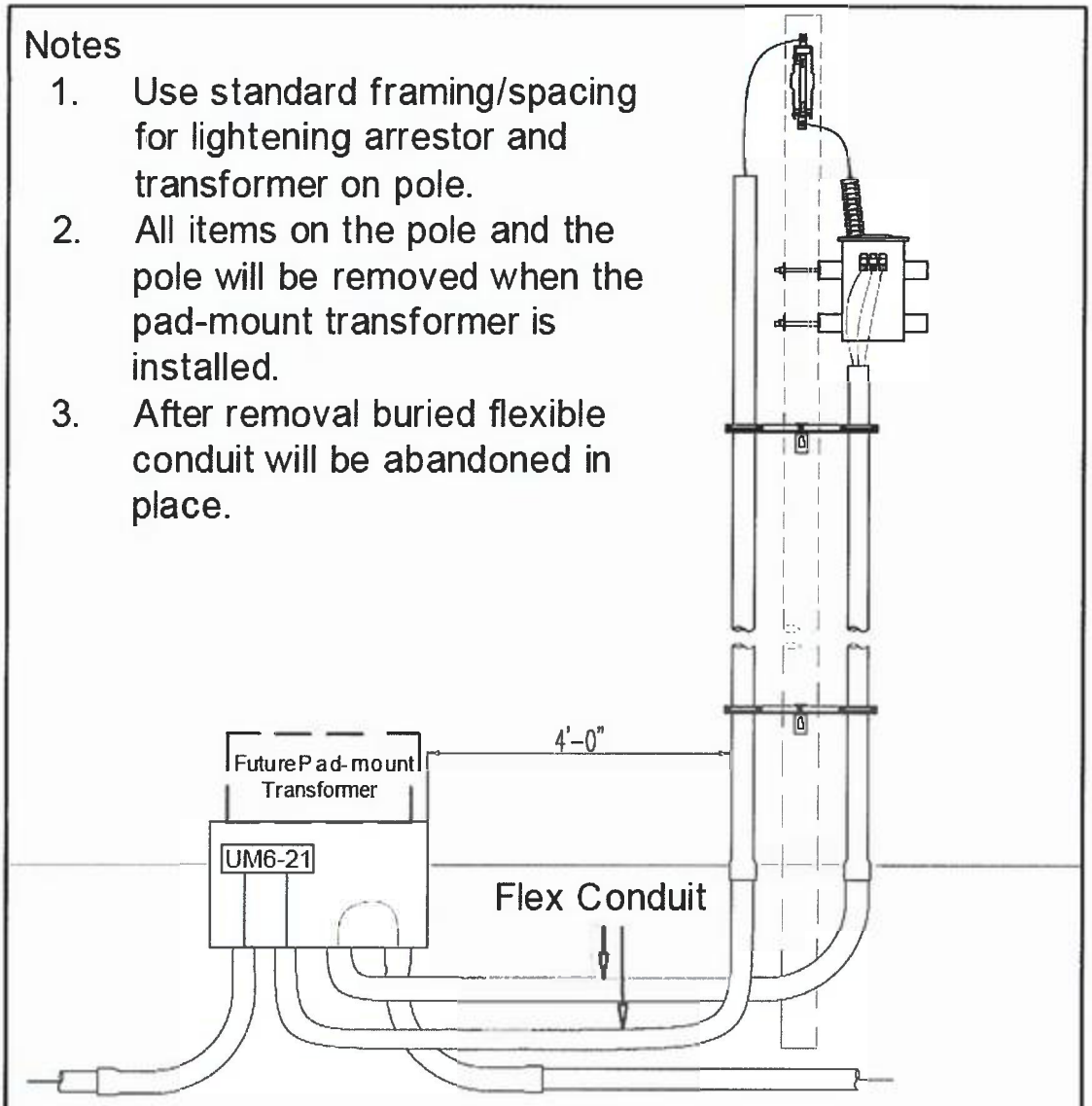
STANDARD

UG–TMB

Exhibit 1 Temporary OH Transformer for UG Service

Notes

1. Use standard framing/spacing for lightening arrestor and transformer on pole.
2. All items on the pole and the pole will be removed when the pad-mount transformer is installed.
3. After removal buried flexible conduit will be abandoned in place.



UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION	**Underground to Temporary Overhead Transformer**	DATE: 02-22-2022 STANDARD UG--TOHT

UG-TOHT dwg

Board Policy 5-08, Consumer Line Extensions
Attachment D
General Power Customers Deposit Agreement

Account:_____ Name:_____

Location:_____ Deposit & District:_____

GENERAL POWER CUSTOMERS
DEPOSIT AGREEMENT

Deposits shall be required of all General Power customers in an amount equal to twice the anticipated highest monthly bill except such customers for services to facilities that qualify as appurtenances of residential accounts and which could have been served off the residential structure's distribution panel. Deposits for such excepted General Power Accounts shall be determined by using the criteria for residential deposits. The cooperative's estimated deposit amounts shall be used for other required General Power customer deposits and such estimates shall be made on the basis of the best data available.

UCEMC personnel shall not energize any facility before the required security deposit is received in satisfactory amount and surety; and furthermore, if any such facility shall have received or continued to receive electric power without UCEMC's knowledge and such shall have been discovered, the electric service shall be disconnected immediately and shall remain disconnected until arrangements have been made to keep UCEMC secure from loss.

The following options will be available to General Power Customers for the payment of security deposits:

1. By posting a bond on a reputable bonding or insurance company at the member/customer's expense, or

2. By making a cash deposit with the cooperative. Such deposit shall earn interest at a rate paralleling rates at local banks for investments of like amounts and time periods.

3. By posting a commercial letter of credit at the member/consumer's expense and irrevocable except with 90 days notice to the cooperative.

4. By participation in the TVA's Deposit Assurance Program (as further discussed below).

5. By participation in TVPPA's DIC Credit Insurance Program (as further discussed below).

Commercial and industrial customers will receive refunds of cash security deposits as a credit to their account or by a cooperative check upon settlement of the final bill at termination of service.

Interest will accrue on cash deposits at an annual rate paralleling local bank rates for investments of like amounts and time periods and will be compounded and paid annually or at an earlier date if service is terminated.

Customers having a connected load of 250 KW or greater or who have been previously approved by TVA and, after nomination of UCEMC and approval by TVA's insurance carrier, shall be allowed to participate in TVA's Deposit Assurance Program (DAP) in lieu of standard monetary deposits.

Any customer participating in the DAP Program who defaults on payment of any bill owed to UCEMC and who is disconnected for non-payment of said bill shall be subject to the monetary deposits in the amounts required of customers not meeting the requirements to participate in TVA's Deposit Assurance Program before having service re-connected by UCEMC.

Any participant in TVA's Deposit Assurance Program that is subsequently dropped from the Program shall immediately post a security deposit by one of the alternative forms set out above.

Any qualifying General Power customer wishing to participate in TVA's Deposit Assurance Program (DAP) shall be required to pay the appropriate portion of the Deposit Insurance Policy Premium as designated by TVA and amended from time to time by TVA.

Customers who have been previously approved by UCEMC and approved by TVPPA's insurance carrier shall be allowed to participate in TVPPA's DIC Credit Insurance Program in lieu of standard monetary deposits.

Any customer participating in the DIC Program who defaults on payment of any bill owed to UCEMC and who is disconnected for non-payment of said bill shall be subject to the monetary deposits in the amounts required of customers not meeting the requirements to participate in TVPPA's DIC Credit Insurance Program before having service re-connected by UCEMC.

Any participant in TVPPA's DIC Credit Insurance Program that is subsequently dropped from the Program shall immediately post a security deposit by one of the alternative forms set out above.

Any qualifying General Power customer wishing to participate in TVPPA's DIC Credit Insurance Program shall be required to pay the appropriate portion of the Deposit Insurance Policy Premium and Co-Insurance as designated by TVPPA and amended from time to time by TVPPA.

All General Power Contracts shall contain the following paragraph or otherwise suitable similar paragraph:

Security Deposit. The customer shall post and maintain a security deposit in an amount, surety and manner satisfactory to UCEMC prior to receiving any power to the facility herein described. The amount of the security deposit will be the estimated usage of power for two months. The estimate will be based on electric load provided by the customer or observed by UCEMC, on expected load factor and on the price of power. UCEMC may adjust the amount of security deposit required from time to time to keep the amount consistent with two months billing based on measured usage. UCEMC may, upon seven (7) days notice, terminate service to customer if customer fails to maintain a security deposit as required herein.

Witness the Signature of the parties this the _____ day of _____, 20____.

_____
Customer

Witness the Signature of the parties this the _____ day of _____, 20____.

UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

By:_____

Board Policy 5-08, Consumer Line Extensions
Attachment E
Aid-In-Construction Agreement

UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

AID-IN CONSTRUCTION AGREEMENT

The UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION, hereinafter called Cooperative, and _____, hereinafter called the Customer, agree that the Cooperative will construct electric power lines and install necessary interrelated equipment to provide electric service to the Customer's _____ at _____,

that before construction begins, the Customer will pay to the Cooperative a one-time non-refundable fee called Aid in Construction in the amount of $ _____ to be applied as an off-setting credit to the construction costs of the Cooperative, that all electric power lines and interrelated equipment installed shall be the property of the Cooperative and shall be a part of the Cooperative's electric plant, that the Cooperative may opt to remove electric power lines and interrelated equipment remaining non-revenue producing for a minimum of sixty (60) days by giving the Customer 30 days' notice of the Cooperative's intention to remove the said electric power lines and interrelated equipment; that reconstructing electric power lines and reinstalling interrelated equipment removed in accordance with this agreement may be subject to Aid in Construction charges to the Customer; that the Cooperative will construct power lines and install interrelated equipment accordance with its standard specifications and will exercise customary safety standards to prevent damage to the Cooperative's personnel and equipment and to the Customer, the Customer's family and the Customer's property; and that if damage occurs to the Customer's property, the Cooperative shall be responsible only to the extent of repairing or replacing the damaged property at the fair market value of the damaged property.

We, the Agent for the Cooperative and the Customer named herein above, understand and accept the terms of this Construction Agreement on this the _____ day of _____, _____ and witness the same by affixing our signatures hereto.

_____ _____

Agent for the Cooperative Customer

Attachment F
Right-of-Way Easement

UPPER CUMBERLAND ELECTRIC
MEMBERSHIP CORPORATION

(SEE NEXT PAGE)

UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION

Prepared/Recorded by UCEMC Work Order# _____

RIGHT OF WAY EASEMENT

Board Policy 5-08, Consumer Line Extension/Attachment 1

Development Blanket Easement? YES ☐ NO ☐ Name of Development: _____

KNOW ALL MEN BY THESE PRESENTS, that the undersigned, (whether one or more)

_____ and/by _____

Print Name Print Name

(unmarried) (husband and wife) or (Printed Business name) _____(business entity) for a good and valuable consideration, the receipt whereof is hereby acknowledged, do hereby grant unto Upper Cumberland Electric Membership Corporation, a cooperative corporation hereinafter "Cooperative", whose address is in Carthage, Tennessee, and to its successors or assigns, the right to enter upon the lands of the undersigned, situated in the County of _____,State of Tennessee, at

(911 address) _____ Zip Code

House # Street/Road name City State

Further described in County Tax Assessor's Tax Maps as

___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ Further refierenced in _____

County Code Map Group Parcel Deed Book & Page#

of the Register's office of the above named county and may be further described according to Exhibit "1" attached hereto and incorporated herein by reference as if set forth herein at length verbatim, if attached, to install, construct, reconstruct, rephrase, operate and maintain an electric transmission and/or distribution line or system and/or any other service permitted by law, on or under the above described lands and/or in, upon or under all streets, roads or highways abutting said lands; to inspect and make such repairs, changes, alterations, improvements, removals from, substitutions and additions to its facilities as Cooperative may from time to time deem advisable, including, by way of example and not by way of limitation, the right to increase or decrease the number of conduits, wires, cables, poles, guy wires and anchors, hand holes, manholes, connection boxes, transformers and transformer enclosure; to cut, trim and control the growth by chemical means, machinery or otherwise of trees and shrubbery located within 20 feet of the center line (a total of 40') of said line or system, or any tree that may interfere with or threaten to endanger the operation and maintenance of said line or system (including any control of the growth of other vegetation in the right-of-way which may incidentally and necessarily result from the means of control employed); to prohibit, prevent, and restrict the planting and/or maintenance of any trees, shrubbery or vegetation restricted by UCEMC in its sole discretion if it determines said trees, shrubbery or vegetation may in the future interfere with or threaten to endanger the operation and maintenance of said line or system; to prohibit the planting of any trees, shrubbery or vegetation within 15' of a pole, junction box or pad mounted transformer; and to license, permit or otherwise agree to the joint use or occupancy of the lines, system or, if any of said system is placed underground, of the trench and related underground facilities, by any other person, association or corporation for electrification, other utility or commercial purposes, or for any other service permitted by law. The undersigned hereby expressly releases any claims, demands, actions, or causes of action for trespass related to the Cooperative's use of this Right of Way Easement as described herein.

The undersigned agree that all poles, wires, and other facilities, including any main service entrance equipment, installed in, upon or under the above-described lands at the Cooperative's expense shall remain the property of the Cooperative, removable at the option of the Cooperative.

With respect to the planting or maintenance of any trees, shrubbery or other vegetation within twenty feet (20') of the centerline (a total of 40') of said line or system, the undersigned must secure in advance the written approval of the Cooperative which approval may be withheld by UCEMC in its sole discretion if it determines said trees, shrubbery or vegetation may in the future interfere with or threaten to endanger the operation and maintenance of said line or system.

If any portion of the lines or system is placed underground, the right-of-way herein granted includes the right to install and maintain guy additions to overhead lines onto property of the undersigned.

The undersigned covenant that they are the owners of the above-described property.

IN WITNESS WHEREOF, the undersigned have set their hands and seals this_____ day of _____,20___.

(Print Name)	(Legal Signature)
(Print Name)	(Legal Signature)
(Print Business Name)	Authorized Representative Print Name
Authorized Representative Title	Authorized Representative Legal Signature

STATE OF TENNESEE COUNTY OF _____.On this _____ day of _____,20_____. Before me

personally appeared to me known (or proved to me on the basis of satisfactory evidence) to be the person or persons described in, and who executed the foregoing instrument, and acknowledge that he/she/they executed the same as his/her/their free act and deed. Witness my hand and official seal at_____, Tennessee, the day and year aforesaid.

Notary Public _____

My commission expires_____/_____/_____

Notary Seal