

Electric Service Guide

Agricultural



*Contact MID's Electric Engineering Department
(electric.standards@mid.org)
with any questions about this Service Guide.*

*Check MID's website (www.mid.org) "Electric Service Guide" for the
most current version of this Service Guide.*

*If you have any suggestions about improving this Service Guide,
please complete the form on the last page of this Guide and return
it to MID's Electric Engineering Department.*

USE CAUTION WHEN DIGGING TO AVOID BURIED ELECTRICAL CABLES
BEFORE DIGGING CALL
USA (Underground Service Alert)
1 (800) 227-2600 or 811

Table of Contents

A.	General Requirements for Service	1
B.	Abbreviations	2
C.	Frequently Asked Questions	2
D.	Minimum Requirements for Agricultural Electric Service Installations	5
1.	Metering	5
2.	Application.....	5
3.	Test Bypass Devices for Self-Contained Meter Installations	6
4.	Meter Enclosures.....	6
5.	Customer Owned Service Pole	6
6.	Service Pole Guy and Anchor	7
7.	Overhead Service Drop Conductors	7
8.	Service Entrance Conductors	7
9.	Service Conduit.....	7
10.	Service Main Disconnect	7
11.	Customer’s Control Equipment.....	7
12.	Grounding.....	8
13.	Requirements Prior to Energizing Service	8
E.	Project Scheduling Table	9
F.	Local Governing Authorities Within MID’s Service Area.....	10
G.	MID Contact Information	10

List of Attachments

Drawing AG-001.0: Overhead Service, Customer Service Pole Clearances	11
Drawing AG-002.0: Overhead Service, Methods of Covering Conduits.....	12
Drawing AG-003.0: Metered Service, Meter Sockets for Self-Contained Meters	13
Drawing AG-004.0: Metering Equipment Installations, Safety Socket Box w/Factory Installed Test Bypass Facilities	14
Drawing AG-006.0: Metered Service, Test Bypass Blocks for Safety Socket 0-200 Amps	15
Drawing AG-007.0: Overhead Service, Typical Customer-Owned Service Pole.....	16
Drawing AG-008.0: Overhead Service, Service Drop Conductor Clearances	17
Drawing AG-009.0: Overhead Service, Service Drop Conductor Clearances	18
Sample 1: Application for Service	19
Sample 2: Agricultural Load Information Form	20
Form 1: Application for Service.....	21
Form 2: Agricultural Load Information	22
Form 3: Area Map	23
Form 4: Service Guide Customer Input.....	25

A. General Requirements for Service

1. This Guide is intended to inform customers and contractors of the minimum requirements for agricultural electric service installations, as specified in General Order 95, "Rules for Overhead Electric Line Construction," and General Order 128, "Construction of Underground Electric Supply and Communication Systems" of the Public Utilities Commission. These requirements have been established by the State in the interest of safety to the public and utility workers and are applicable to all agricultural electric service installations. The MID cannot establish service to facilities which do not meet these minimum requirements.
2. These requirements are applicable only for agricultural pump installations.
3. It is necessary that all written material (this Guide, as well as all of the notes on the Drawings) **be carefully read.**
4. It is important that satisfactory arrangements be made for the installation of electric lines and the location and setting of meters. Contact MID's Customer Service Department, 1231 11th Street, Modesto CA 95352, (209) 526-7337, for new or additional service. This must be completed as soon as initial planning is considered. Delays in supplying this required information could cause unnecessary inconvenience for the customer. Electric service will not be established until the service entrance facilities are satisfactorily completed by the customer.

Note: "Customer service entrance facilities" is the term used to designate all the electrical components required to be furnished and installed by the customer. MID will furnish, install and maintain the service drop conductors, instrument transformers and meters (overhead service only).

5. The customer is required to supply and install all protective devices of any kind or character as per MID Rule No. 2F. The customer may be required to have motor starting current limitations as per MID Rule No. 2E4. Refer to www.mid.org/tariffs to find the MID Electric Service Rules.
6. All materials used and all work performed on a customer's premises, with the exception of the metering equipment and service conductor, must conform to local governing authority requirements (see a list of local governing authorities on page 10). No service can be connected unless passed by the proper authority. Only authorized MID employees are permitted to make connections to MID's facilities.
7. In addition to MID's requirements, the customer is responsible for complying with applicable provisions of City and County ordinances, the "National Electric Code," Electric Utility Service Equipment Requirements Committee (EUSERC) and all applicable orders, rules and regulations of the State of California.
8. The customer's service voltage and pole locations will be determined by MID's Engineering Department. The customer pole(s) shall be located within 100 feet of the MID source and shall be a minimum of 3 feet from all property lines. Pole locations other than that described above will not be allowed without advance written permission from the Engineering Department and are subject to additional charges, payable prior to meter installation. Any deviations will be made only for special requirements and must be approved by the Engineering Department.

9. Failure to comply with requirements 1-8 could be costly and cause unnecessary delays for the customer.

B. Abbreviations

The following abbreviations may be used throughout this Service Guide.

Amp	Amperes
ag	Agricultural
GO	General Order
OH	Overhead
UG	Underground
V	Volt

C. Frequently Asked Questions

1. What is an agricultural service?

An agricultural (ag) service is for landowners with the need to utilize pumps to irrigate crops. Special rates may apply. Refer to MID's Rates and MID's Electric Service Rules at www.mid.org/tariffs.

2. What are the steps to obtain an agricultural service?

- a) Contact the MID Engineering Technician assigned to your area (see the Map on page 23).
- b) Apply with the MID Electrical Engineering. Submit an application for service, an Agricultural Load Information Form, and include an irrigation layout showing the pump location (sample forms are located on pages 21 and 22). You can find the application for service and the Agricultural Load Information Form at the back of this Guide or you can download the form at www.mid.org. Contact the MID Electrical Engineering Department at (209) 526-7337.
- c) An Engineering Technician will schedule an on-site appointment with you to discuss the project design and to complete and sign an Engineering Project Request Form.
- d) A requirements package will be created for this project. The package normally includes a letter, site plan and standard/drawing details for your use. You should receive the package in approximately 3-4 weeks after the initial field visit.
- e) You will need your panel inspected and tagged by the local governing authority (City, County, etc.)
- f) Upon a passed inspection, you will need to notify the MID Engineering Technician to schedule a final MID inspection.
- g) An Engineering Technician will coordinate with the MID Construction Department to schedule a date for energizing your service.

3. *Where can I put my main panel?*

Consult with an MID Engineering Technician prior to installation. You can find your area's Engineering Technician phone number on a map of MID's service area on page 23.

4. *What voltages are available?*

a) Single-Phase Service

- 1) Single-phase service will normally be 120/240 Volts (or three-wire 120/208 Volts at certain locations as now or hereafter established by MID) where any single motor does not exceed 7½ horsepower. For any single-phase service, the maximum demand as determined by MID is limited to the capacity of a 100 kVA transformer. If a load requires a transformer installation in excess of 100 kVA, the service normally will be three-phase.
- 2) In locations where MID maintains a 120/208 Volt secondary system, three-wire single-phase service will be limited to that which can be supplied by a main switch or service entrance rating of 200 amperes. Single-phase loads in these locations in excess of that which can be supplied by a 200 ampere main switch or service entrance rating will normally be supplied with a 208Y/120 Volt, three-phase, 4-wire service.

b) Three-Phase Service 480 Volts or Less

- 1) Secondary service normally available from overhead primary distribution systems:

Nominal Voltage Permitted	Minimum Load Requirements	Maximum Demand Load
208Y/120V	30 kVA, 3-Phase Demand	75 kVA
240V	5HP, 3-Phase Connected	75 kVA
240/120V	5HP, 3-Phase Connected	75 kVA
480Y/277V	30HP, 3-Phase Demand	112.5 kVA

- 2) Secondary service from underground primary distribution systems or from underground taps of overhead primary distribution systems (where MID maintains existing three-phase primary circuits):

Nominal Voltage	Minimum Load Requirements	Maximum Demand Load Permitted
208Y/120V	Demand load justifies a 75 kVA transformer	1000 kVA
480Y/277V	Demand load justifies a 75 kVA transformer	2500 kVA

- 3) Where three phase service is supplied, MID reserves the right to use single-phase transformers connected wye, open-delta, or closed delta, or use three-phase transformers.

- 4) Three-phase service will be supplied on request for installations aggregating less than the minimums listed above, but not less than 3 HP, three-phase, where existing transformer capacity is available. If three-phase service is not readily available, or for service to loads less than 3 HP, three-phase service will be provided only if the customer pays to MID the estimated difference between single-phase and three-phase construction costs at that location.

5. Will my agricultural service be underground or overhead?

Depending on your pump size, you may be required to install an underground system. Consult with an MID Engineering Technician.

6. Is there a fee for an agricultural service?

Fees depend on distance, size, and type of service. Refer to MID's Electric Service Rules No. 15 and 16 at www.mid.org for more detail.

7. What are the minimum requirements on the main panel?

- a) Approved test bypass devices are required for all agricultural self-contained meter socket installation (see Drawing AG-003.0, Drawing AG-004.0 and Drawing AG-006.0, pages 13-15).
- b) Standard switchboard service sections can be used on all services which require current transformers.
- c) Submit panel drawings to MID Meter Department for review prior to fabricating.

8. What are the minimum requirements on a service pole that I own?

- a) See Drawing AG-007.0 (page 16) for materials required. See Drawing AG-001.0 and Drawing AG-002.0 (pages 11 and 12) for minimum clearances and guying requirements.
- b) The service pole shall be located at least 10 feet away from any well, and in such a position that overhead conductors or guys will not cross through or over the area within a radius of 10 feet from the well and will not interfere with work to be performed at any well.
- c) The service pole shall be located at least 10 feet from any pole owned by MID. A minimum distance of 10 feet, measured at right angles to the centerline of MID's power line, must be maintained.

9. Who will be responsible for the overhead service drop conductors?

- a) MID will furnish and install the overhead service drop conductors from its distribution system to your service pole and will furnish and install the electrical connections to your service entrance conductors.
- b) The maximum length of an overhead service is not to exceed 100 feet. Additional length will result in an MID fee. See MID's Electric Service Rules No. 15, 16, and Appendix B at www.mid.org/tariffs for the requirements.

10. Who will be responsible for the underground conduit and conductors?

You, the customer, will be responsible. Conduit and conductors must be installed per National Electric Code. Consult with the local governing authorities for size and type of conduit and wires (see page 10 for a list of local governing authorities).

11. How can I restore power to an existing agricultural pump?

Contact MID Customer Service Department at (209) 526-7337.

D. Minimum Requirements for Agricultural Electric Service Installations

1. Metering

- a) Approved test bypass devices are required for all agricultural self-contained meter socket installations (see Drawing AG-003.0, Drawing AG-004.0 and Drawing AG-006.0).
- b) Standard switchboard service sections can be used on all services which require instrument transformers.
- c) MID's Meter Department is to be contacted on jobs involving anything over 200 Amps or non-self-contained metering equipment.
- d) All self-contained meter sockets for agricultural installations shall be UL rated for continuous duty as follows:
 - 1) 100 Amps continuous duty rating required on:
 - 120/240 Volt polyphase loads from 5HP to 29HP
 - 277/480 Volt polyphase loads from 30HP to 60HP maximum
 - 2) 200 Amps continuous duty rating required on:
 - 120/240 Volt polyphase loads from 31HP to 60HP
 - 277/480 Volt polyphase loads from 61HP to 100HP maximum
- e) Meter sockets with extruded or cast aluminum jaws are not acceptable and will not be connected.

2. Application

- a) The installations shown on the attached Drawings are **not** applicable when a suitable building or structure is available for the attachment of service drop conductors and metering equipment.
- b) When a service pole is required to support service drop conductors and metering equipment supplying single phase and three phase energy under agricultural power

schedules, the installation shall be in accordance with these requirements and Drawing AG-003.0.

120/240 Volt, Self-Contained, Meter Socket Installations. This installation shall apply to 120/240 Volt polyphase agricultural loads from a minimum of 5HP to a maximum of 29HP

277/480 Volt, Self-Contained, Meter Socket Installations. This installation shall apply to 277/480 Volt polyphase agricultural loads from a minimum of 30HP up to a maximum of 100HP

277/480 Volt, CT-Rated, Meter Socket Installation With Instrument Transformers. This installation shall apply to 277/480 Volt polyphase agricultural loads from a minimum of 101HP and above.

- c) Consult an MID Engineering Technician for the proper voltage of the proposed installation.

3. Test Bypass Devices for Self-Contained Meter Installations

Approved test bypass devices, illustrated on Drawing AG-003.0, Drawing AG-004.0 and Drawing AG-006.0, are required on all agricultural, self-contained meter installations.

4. Meter Enclosures

Meter enclosures shall be UL approved, Electric Utility Service Equipment Requirements Committee (EUSERC) approved, and approved by MID's Metering Department.

5. Customer Owned Service Pole

- a) A wood pole shall be used to support conductors and metering equipment. The manufacturer brand date will be required on the pole. The pole shall be round and at least 25 feet in length and rated class 5 minimum. The top of the pole will need to have a minimum diameter of 6.05 inches. The pole shall be machine shaved and full length treated by pressure or another process which provides equivalent penetration and retention. Brush application of wood preservative is ineffective and, therefore, not acceptable.
- b) The service pole shall be located at least 10 feet away from any well, and in such a position that overhead conductors or guys will not cross through or over the area within a radius of 10 feet from the well and will not interfere with work to be performed at any well.
- c) The service pole shall be located at least 10 feet from any pole owned by MID. A minimum distance of 10 feet, measured at right angles to the centerline of MID's power line, must be maintained.
- d) The service pole shall be set in the ground not less than 5 feet and shall be securely guyed against the pull of service drop conductors so as to maintain vertical position.

6. Service Pole Guy and Anchor

- a) The guy wire shall be galvanized steel wire and shall be 3/8 inch or larger. The guy wire shall be attached to the service pole as shown on Drawing AG-001.0. A strain insulator (10,000 lb. minimum) shall be installed with the guy no less than 10 feet above the ground.
- b) A suitable anchor shall be provided for property securing the guy wire. This arrangement is shown on Drawing AG-002.0.

7. Overhead Service Drop Conductors

MID will furnish and install the overhead service drop conductors from its distribution system to the customer's service pole and will furnish and install the electrical connections to the customer's service entrance conductors.

8. Service Entrance Conductors

- a) The local governing authorities should be consulted for size and type of wire (see page 10 for a list of local governing authorities).
- b) The service entrance conductors must be continuous and without splices. A minimum of 24 inches must be left outside the service head for connection to the service drop.

9. Service Conduit

- a) The service conduit shall be sized in accordance with the requirements of local governing authorities.
- b) All conduits must be in accordance with the requirements of local governing authorities.

10. Service Main Disconnect

- a) The service main disconnect, or main breaker, must be installed on the load side of the MID meter.
- b) If the service main disconnect is installed outside, it shall be of an approved rain tight type, UL listed and lockable.
- c) If the meter socket and service main disconnect (main breaker) are in separate enclosures, the wiring between the two enclosures must be in RMT, IMT electrical conduit or approved sealable raceway per NEC.
- d) All service disconnects shall have a provision for locking in the open/off position.

11. Customer's Control Equipment

- a) The customer's motor control equipment shall include over current devices in all load conductors for the best possible protection of the motor.

- b) The customer's service main disconnect and motor control equipment may be mounted on the service pole provided main disconnect meets all requirements as shows on Drawing AG-007.0 (page 16).

12. Grounding

The local governing authorities should be consulted for grounding requirements (see page 10 for a list of local governing authorities).

13. Requirements Prior to Energizing Service

- a) The meters will not be installed until the customer has complied with all the requirements noted above.
- b) If additional trips are required because customer-installed facilities are not properly installed, not ready for inspection, or do not pass inspection, MID will bill the customer for each additional inspection in the amount of the Inspection Fee listed in Appendix A of MID's Electric Service Rules (www.mid.org).

E. Project Scheduling Table

Step	Party	Typical Time Required by MID	Action
1	Customer		Send final set of site plans to MID's Electrical Engineering Department for review and design.
2	MID	10 business days	Engineering Technician designs the electric layout and sends the installation agreement and one marked-up copy of site plan to the Customer.
3	Customer		Pay any charges, return a signed installation agreement, and return completed Agricultural Load Information Form with all relevant dates regarding construction and service requirements. Both must be returned to MID. Obtain all necessary permits from the local governing authority.
4	MID	10 business days	Engineering Technician designs engineering drawing(s), materializes and assembles the work order.
5	Customer		Call USA to locate underground utilities, install conduit and substructures, return Application for Electric Services to the Customer Service Department, request MID and local governing authority to inspect conduit, substructure, transformer pad, and electric facilities.
6	MID	3 business days	MID inspects trench, conduit, substructures, and transformer pad. This stage repeats itself until you satisfactorily pass inspection.
7	Customer		Close trench, pull service conductors to agreed location, connect conductors to panel. Local governing authority inspects electric facilities. Your facilities pass inspection and you request service.
8	MID	7 business days pending weather and scope of project	Meter Department wires instrument transformers, where required; MID construction installs transformer, primary cables and secondary cables where needed. MID reviews the local governing authority inspection tag to verify equipment conformance; if the equipment passes, the meter is set and the panel is energized.

F. Local Governing Authorities Within MID's Service Area

City of Modesto Building Department

1010 Tenth St. 3rd Floor
Modesto, CA 95353
Phone: 209-577-5232

City of Waterford Building Division

101 E St.
Waterford, CA 95386
Phone: 209-874-2328
Fax: 209-874-9656

Stanislaus County Building Department

1010 Tenth St. Suite 3500
Modesto, CA 95354
Phone: 209-525-6557
Fax: 209-525-7759

City Of Oakdale Community Development

455 S. Fifth Ave.
Oakdale, CA 95361
Phone: 209-845-3625
Fax: 209-848-4344

San Joaquin County Building Department

1810 Hazelton Ave.
Stockton, CA 95205
Phone: 209-468-3121

City of Escalon Building Department

2060 McHenry Ave.
Escalon, CA 95320
Phone: 209-691-7460
Fax: 209-691-7439

City of Riverbank Building Department

6617 3rd St.
Riverbank, CA 95367
Phone: 209-863-7128

City of Ripon Building Department

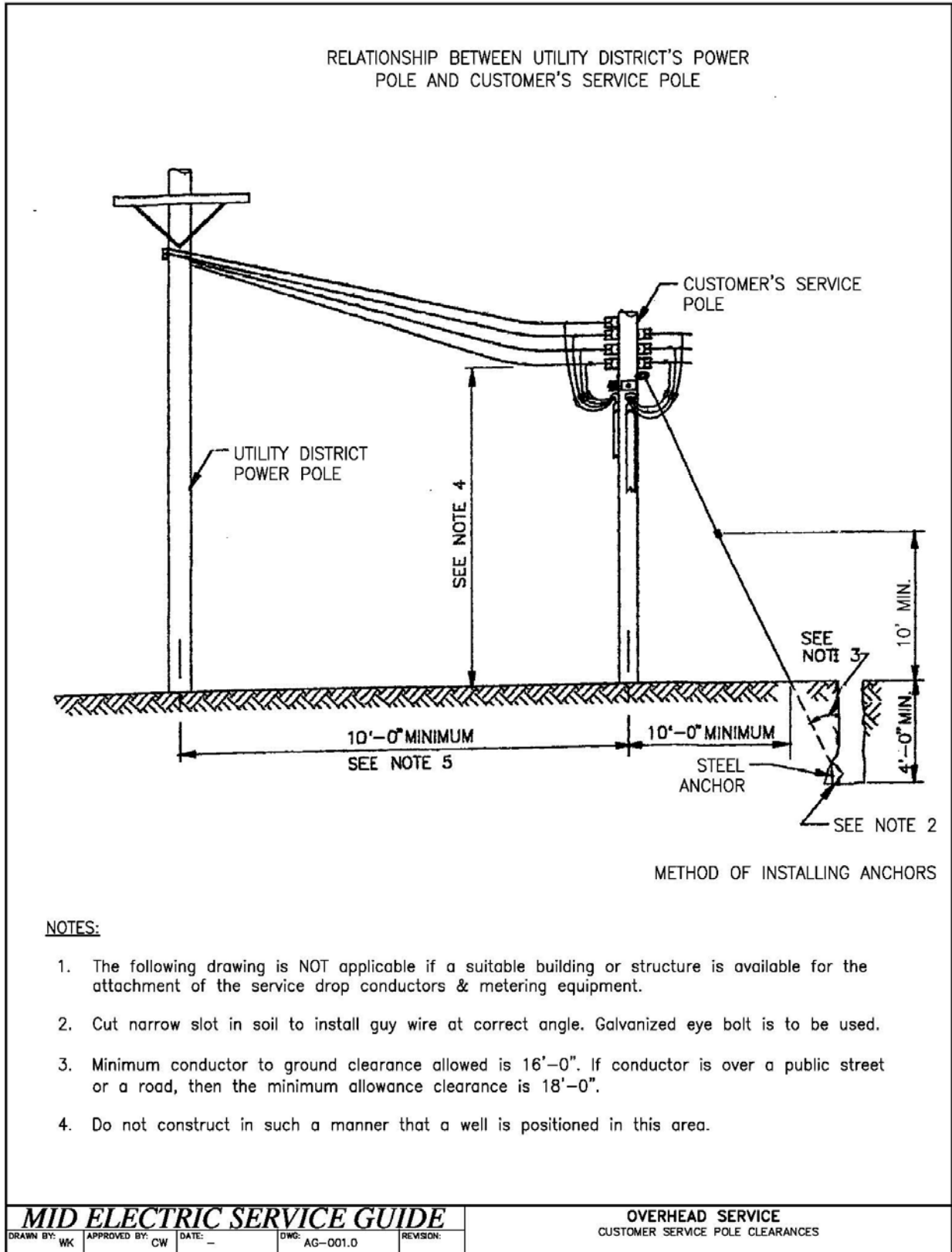
259 N. Wilma Ave.
Ripon, CA 95366
Phone: 209-599-2613
Fax: 209-599-2183

G. MID Contact Information

Modesto Irrigation District

1231 Eleventh Street (P.O. Box 4060)
Modesto, CA 95354 (Modesto, CA 95352)
Electrical Engineering Department¹
Phone: 209-526-7468
Fax: 209-526-7357

¹ Contact the MID Engineering Technician assigned to the area (see map on page 23).



Drawing AG-001.0: Overhead Service, Customer Service Pole Clearances

METHODS OF COVERING CONDUITS ON POLES, POLE TOP CONSTRUCTION, AND DETAILS OF ANCHORS

Covering Conduits on Poles



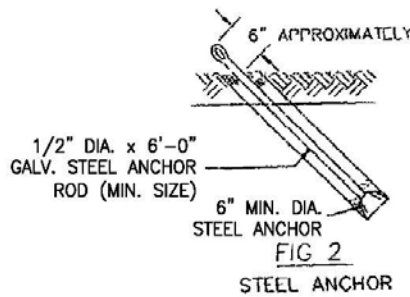
FIBER CONDUIT OR EXTRA SCHEDULE 80 PVC

Extra heavy wall PVC (schedule 80) or fiber conduit of 1/4" wall thickness over rigid conduit strapped to pole w/ galv. perforated plumber's tape spaced not over 3'-0" apart.

NOTES:

- 1 PVC Schedule 80 riser and service head do not require covering.

Details of Anchors and Bracing

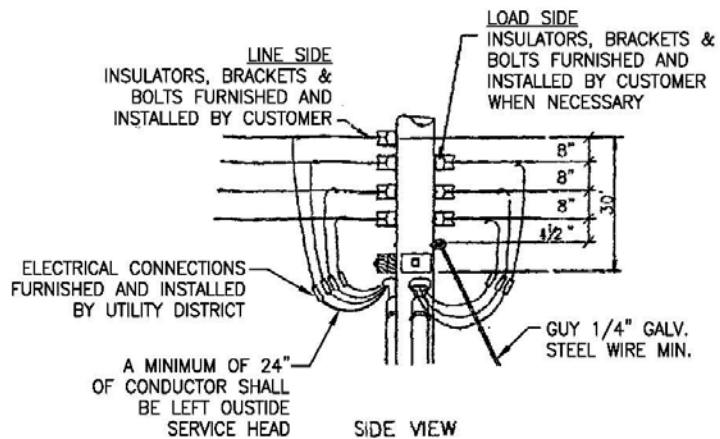


NOTE:

- 1. The minimum anchor depth in the soil is 4 feet.

TABLE OF POLE SETTING DEPTHS

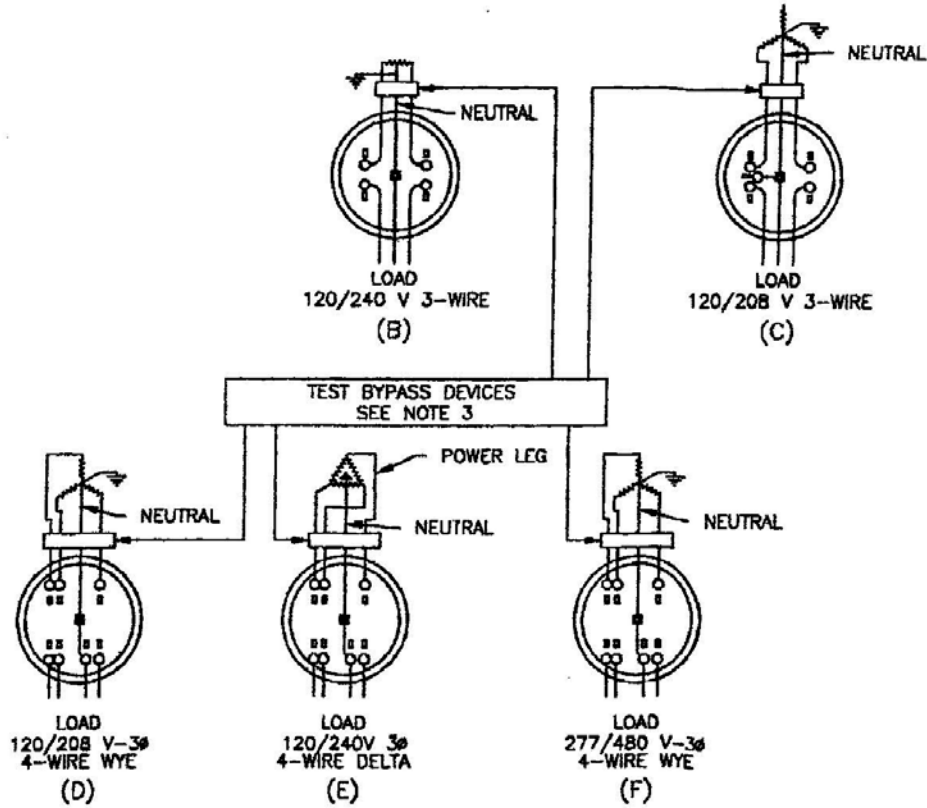
POLE LENGTH (FT.)	DEPTH (FT.) IN FIRM SOIL
25	4 1/2
30	5
35	5
40	5 1/2



Drawing AG-002.0: Overhead Service, Methods of Covering Conduits

DIAGRAM OF CONNECTIONS

SINGLE PHASE SOCKETS



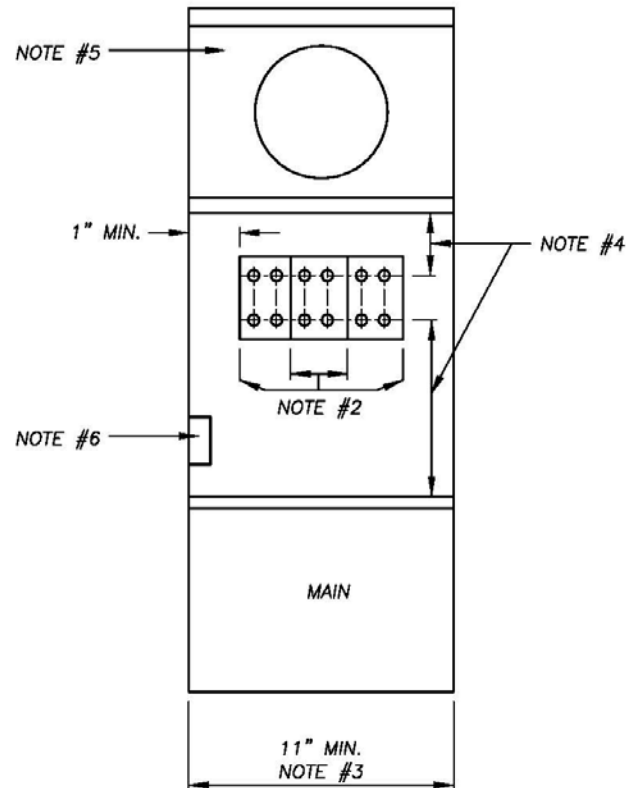
POLYPHASE SOCKETS

NOTES:

1. Commercial/industrial/AG, self-contained meter sockets shall be U/L approved and shall have a continuous duty current rating load equal to or greater than the current rating of the associated load service equipment.
2. Neutral taps shall be connected to the service neutral conductor and located behind sealed panels. Wire nuts are not permitted.
3. For test bypass devices, see AG-004.0 thru AG-006.0

MID ELECTRIC SERVICE GUIDE				METERED SERVICE	
DRAWN BY: WK	APPROVED BY: CW	DATE: --	DWG: AG-003.0	REVISION:	METER SOCKETS FOR SELF CONTAINED-METERS

Drawing AG-003.0: Metered Service, Meter Sockets for Self-Contained Meters

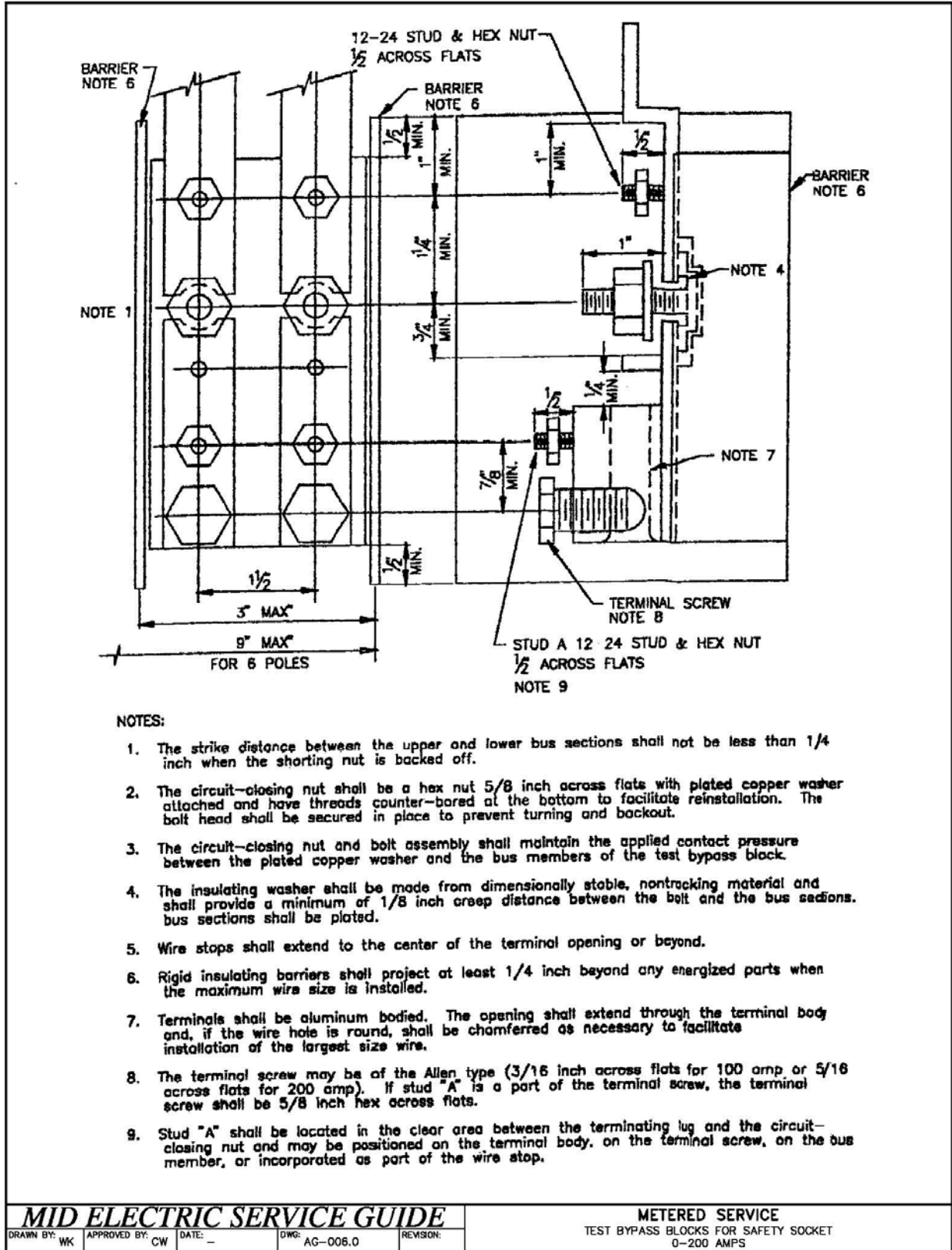


NOTES:

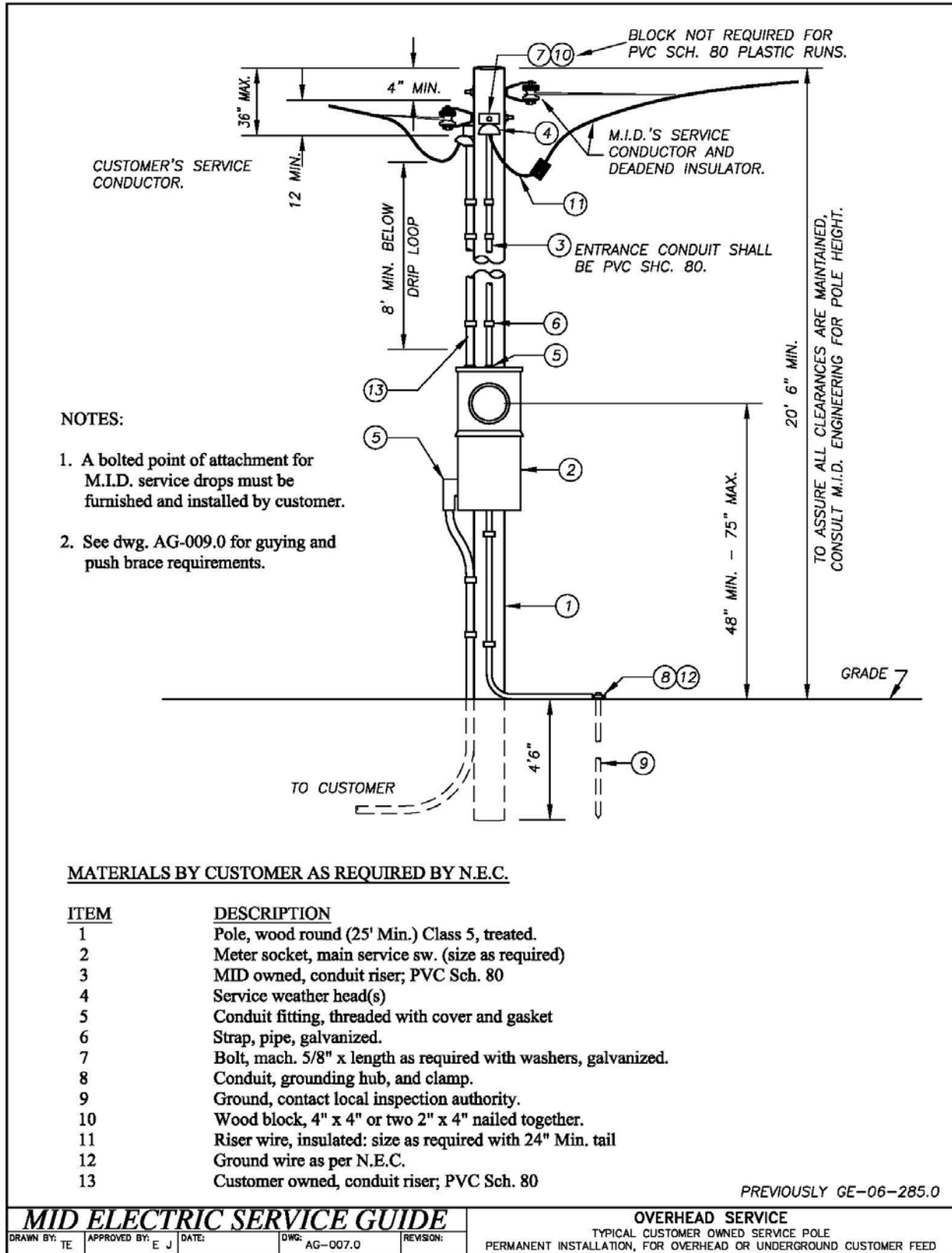
1. This device may be used for single or multiple commercial and industrial meter installations mounted in a ganged array.
2. Test-bypass blocks with rigid insulating barriers shall be installed and wired or bussed to a line raceway and also wired or bussed to the meter socket then to the main switch by the manufacturer. Connection sequence is line-load, line-load, line-load from left to right.
3. Minimum access opening to test-bypass blocks shall be 11" x 10".
4. Three inches minimum clearance required for utility test purposes.
5. All section covers shall be independently removable. Upper cover shall be non-removable when meter is in place. Meter socket shall be mounted on support and attached to panel. Test-bypass cover shall be sealable and permanently labeled: "DO NOT BREAK SEAL - NO FUSES INSIDE".
6. When a neutral is required for metering or testing, an insulated neutral terminal, mounted on either side, shall be provided behind each test-bypass cover panel. The terminal shall be readily accessible when the cover is removed and shall be individually connected to the neutral bus with a minimum of No. 8 copper wire.
7. For 3Ø, 4 wire, connect 7th jaw to body of neutral lug with No. 12 min. copper wire.
8. For 3Ø, 4 wire Delta, identify right hand test-bypass block (2 poles) as power leg.
9. For 1Ø, 3 wire, omit center test-bypass block.
10. For 1Ø, 3 wire, 120/208v, omit center test-bypass block. Connect 5th jaw to body of neutral lug with No. 12 min. copper wire.
11. Permanent line-load labels on inside back of enclosure in 3/4 inch (min.) high block letters.
12. Minimum depth shall be 4-1/2 inches for 0-100A and 6 inches for 101-200A.

MID ELECTRIC SERVICE GUIDE				METERING EQUIPMENT INSTALLATIONS	
DRAWN BY: TE	APPROVED BY: E J	DATE: 09/20/95	DWG: AG-004.0	REVISION: D	SAFETY SOCKET BOX W/FACTORY INSTALLED TEST BYPASS
				FACILITIES F METERS 0-200A, 0-600V	

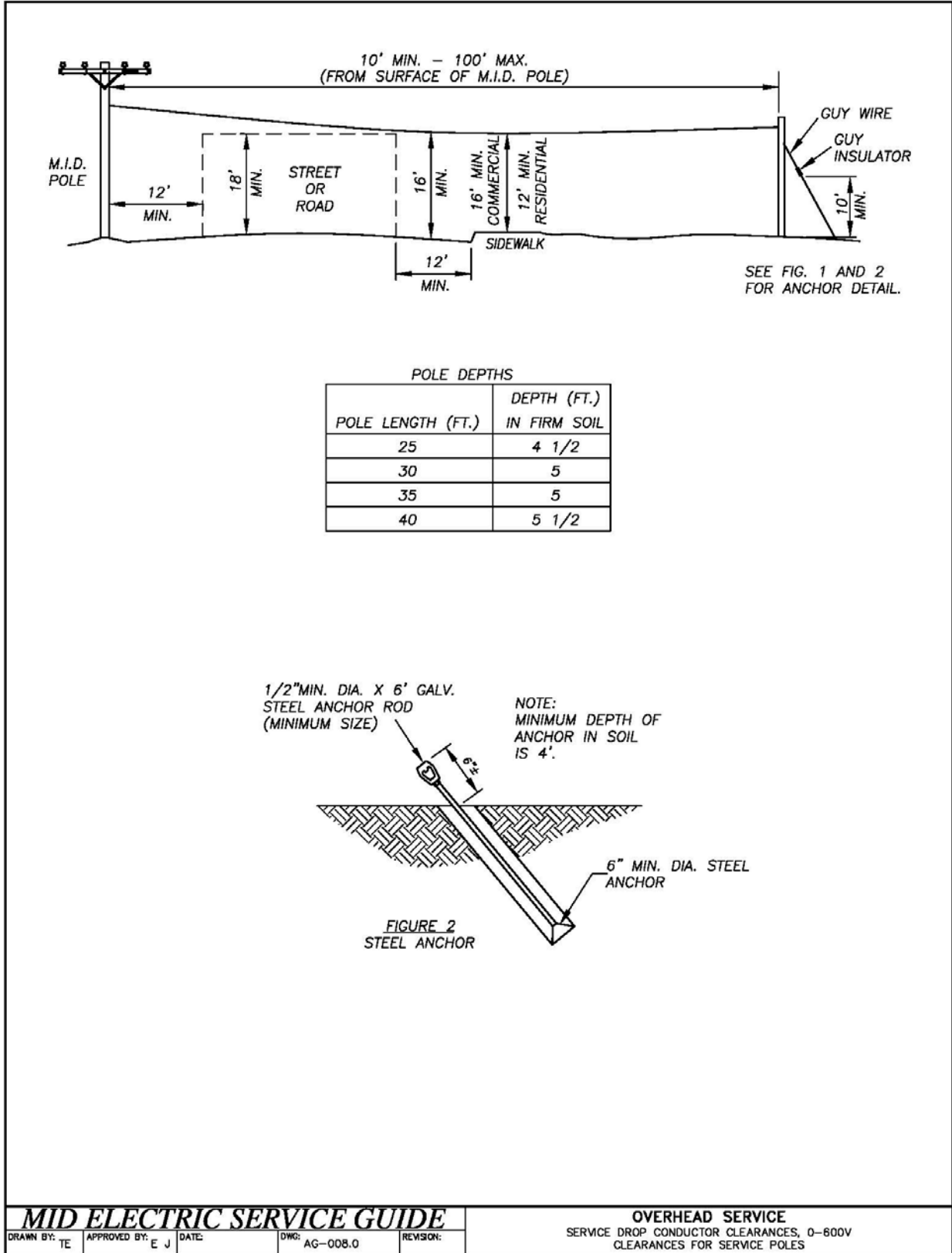
Drawing AG-004.0: Metering Equipment Installations, Safety Socket Box w/Factory Installed Test Bypass Facilities



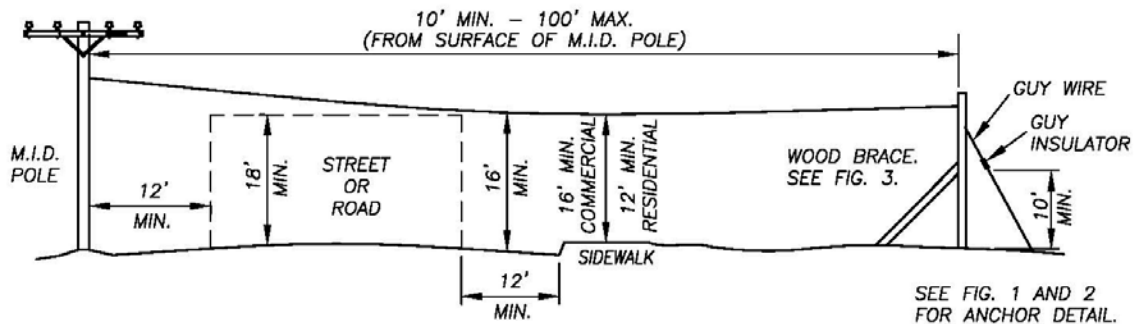
Drawing AG-006.0: Metered Service, Test Bypass Blocks for Safety Socket 0-200 Amps



Drawing AG-007.0: Overhead Service, Typical Customer-Owned Service Pole



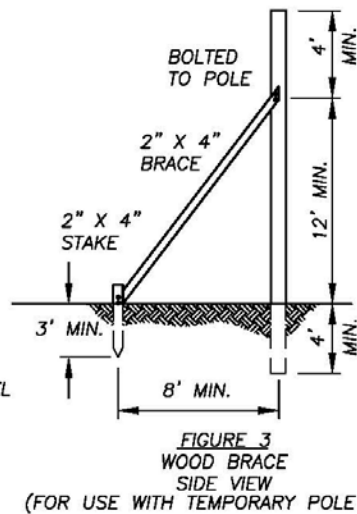
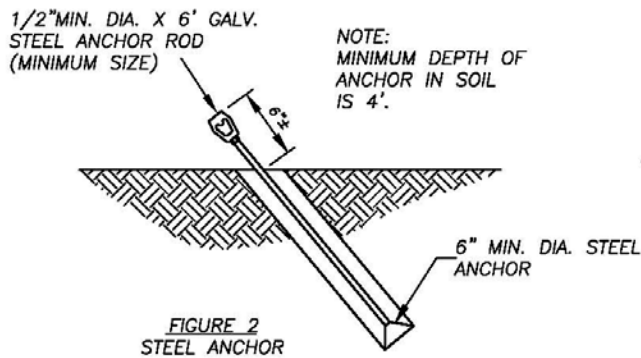
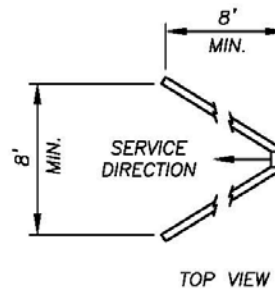
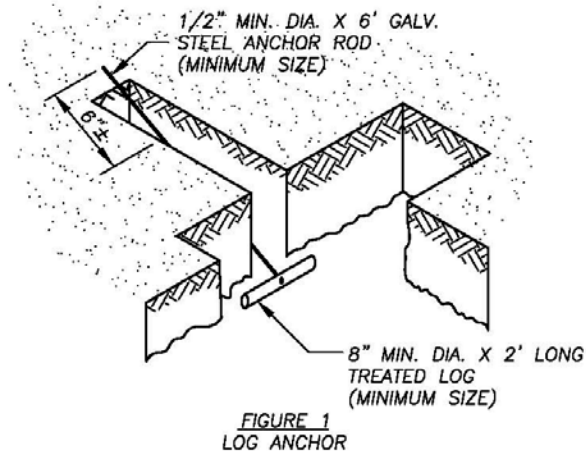
Drawing AG-008.0: Overhead Service, Service Drop Conductor Clearances



SEE FIG. 1 AND 2 FOR ANCHOR DETAIL.

POLE DEPTHS

POLE LENGTH (FT.)	DEPTH (FT.) IN FIRM SOIL
25	4 1/2
30	5
35	5
40	5 1/2



PREVIOUSLY GE-06-2B1.0

MID ELECTRIC SERVICE GUIDE				OVERHEAD SERVICE	
DRAWN BY: TE	APPROVED BY: _	DATE: _	DWG: AG-009.0	REVISION:	SERVICE DROP CONDUCTOR CLEARANCES, 0-600V
				CLEARANCES FOR SERVICE POLES	

Drawing AG-009.0: Overhead Service, Service Drop Conductor Clearances



MODESTO IRRIGATION DISTRICT
 1231 Eleventh Street, PO Box 4060, Modesto, CA 95352
 Customer Service Phone: (209) 526-7337 Fax: (209) 526-7359
 Email address: CSCCommercial@MID.org

APPLICATION FOR NON-RESIDENTIAL ELECTRIC SERVICE(S)

-- MID USE ONLY --			
CSR Name	<input type="checkbox"/> Equivalent <input type="checkbox"/> Change in svc <input type="checkbox"/> New construction	Franchise District:	Tax District:
Account #:	Anticipated Load:	Rate:	Reactive Meter: <small>Yes No</small>
Svc Pt #:	NAICS Code:	Voltage:	
Deposit Amount/Reason for waiving:	Map grid seq #:	Class 1 Code:	
CS Approved by: _____ Date: _____	Mktg Approved by: _____ Date: _____	Engr Approved by: _____ Date: _____	

Please fill out the application completely, and attach supporting documentation. Sign and return to MID in the office, by fax or email. In accordance with MID Rules & Regulations, a minimum deposit of \$300, or three times the highest monthly bill, may be required to activate service.

Today's date 9/10/2015	Service start date: 12/1/2015	Power On? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Type of Service: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Lighting <input checked="" type="checkbox"/> Ag Pump – horsepower: 50		
New construction: <input type="checkbox"/> Yes <input type="checkbox"/> No Square footage of building or work area: _____		

1. Legal billing name: John Doe
2. Doing business as (DBA): Business Name
Name of Organization or Entity
3. Service address: 1234 Sample Drive Modesto 95352
Street City Zip Code
4. Mailing address: PO Box 1111 Modesto 95352
Street City Zip Code
5. Type of business: Almonds Franchisee? Yes No
Complete description of goods or services rendered
6. Number of years in business: 10 Business phone: 209-123-4567 Fax number: 209-456-7890
7. Type of ownership: Sole Proprietor Partnership LLC LLP Corporation Public Agency Other
8. If corporation, LLP or LLC list state where filed: California Year filed: 2004
Copy of documents required
9. Taxpayer ID number (EIN or SSN): 123456789 Business License number: 1234567
Copy of license required
10. If business name is legal billing name, fictitious name file number: _____ Filing date: _____
11. Address of corporate office or residence address if sole proprietor: _____

12. Name and information for all corporate officers, partners, or sole owners:

Name	Title	Phone	Driver's License & State	Date of Birth
<u>John Doe</u>	<u>President/CEO</u>	<u>209-123-4567</u>	<u>D1234567</u>	<u>1/18/75</u>
<u>Jane Doe</u>	<u>Vice President</u>	<u>209-456-0987</u>	<u>D9876543</u>	<u>5/30/76</u>
_____	_____	_____	_____	_____

13. Contact for billing inquiries: Jane Doe Vice President 209-456-0987 janedoe@email.com
Name Title Phone email address

14. Name of person completing form: Jane Doe Vice President 209-456-0987
Name Title Phone

Signature (required): _____	Owner or Corporate Officer	Driver's License number & State	Date of Birth
<small>Jane Doe</small>	<small>Vice President</small>	<small>9/10/2015</small>	<small>9/10/2015</small>
<small>Print Name</small>	<small>Title</small>	<small>Date</small>	<small>Date</small>

Go to <http://www.mid.org/forms/> for the most current Application.

Note: In accordance with published MD regulations, supporting documents verifying the legal billing name may be required.

Sample 1: Application for Service

Agricultural Load Information Form

Modesto Irrigation District
 ATTN: Electrical Engineering
 PO Box 4060
 1231 11th Street
 Modesto, California 95352
 Fax: (209) 526-7357

Date: 5/15/2015

Project: Brown Dairy Expansion
 Location (Street): 1234 Sample Drive
 Owner (Name): John Doe Telephone: (209) 555-5555
 Address: 1234 Sample Drive, Modesto CA 95352
 Engineer/Contractor (Name): _____ Telephone: (209) 444-4444
 Address: 5678 Sample Drive, Modesto CA 95352
 Estimated Date Ready for Service: 8/15/2015 Pre-Construction Meeting Date: 6/1/2015
 Begin Rough Grading Date: 6/3/2015

General Information

Type of Business: Dairy

Electric Load Information

	Initial		Future		
3Ø Motors	<u>50</u>	HP	<u>100</u>	HP	
Largest 3Ø Motor	<u>30</u>	HP	<u>50</u>	HP	
Total Initial Connected Electrical Load:	<u>15.0</u> kW				Size Main Fused Switch: <u>20</u> Amps
Total Future Connected Electrical Load:	<u>20.0</u> kW				Estimated Date of Future Load: _____

Type of Service Desired: (circle one) Overhead Underground
 Phase: 3 Voltage: 480 Wires: 4 Estimated Initial Date: 8/15/2015

Additional load information may be required if voltage flicker problems are anticipated.

Site Plan: (X) One site plan in dxf or Autocad format on a CD
 () Emailed electronic file to electric.standards@mid.org

 Signature of Applicant

Go to <http://www.mid.org/forms/>
 for the most current Form.

Application Complete		Office Use Only	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Checked By: _____	Date: _____
		If no, explain: _____	

9/2015

Sample 2: Agricultural Load Information Form



APPLICATION FOR NON-RESIDENTIAL ELECTRIC SERVICE(S)

--- MID USE ONLY ---

CSR Name	<input type="checkbox"/> Equivalent <input type="checkbox"/> Change in svc <input type="checkbox"/> New construction	Franchise District:	Tax District:
Account #:	Anticipated Load:	Rate:	Reactive Meter: Yes No
Svc Pt #:	NAICS Code:	Voltage:	
Deposit Amount/Reason for waiving:	Map grid seq #:	Class 1 Code:	
CS Approved by: _____ Date: _____	Mktg Approved by: _____ Date: _____	Engr Approved by: _____	Date: _____

Please fill out the application completely, and attach supporting documentation. Sign and return to MID in the office, by fax or email. In accordance with MID Rules & Regulations, a minimum deposit of \$300, or three times the highest monthly bill, may be required to activate service.

Today's date _____	Service start date: _____	Power On? <input type="checkbox"/> Yes <input type="checkbox"/> No
Type of Service: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Lighting <input type="checkbox"/> Ag Pump – horsepower: _____		
New construction: <input type="checkbox"/> Yes <input type="checkbox"/> No	Square footage of building or work area: _____	

- Legal billing name: _____
- Doing business as (DBA): _____
Name of Organization or Entity
- Service address: _____
Street City Zip Code
- Mailing address: _____
Street City Zip Code
- Type of business: _____ Franchisee? Yes No
Complete description of goods or services rendered
- Number of years in business: _____ Business phone: _____ Fax number: _____
- Type of ownership: Sole Proprietor Partnership LLC LLP Corporation Public Agency Other
- If corporation, LLP or LLC list state where filed: _____ Year filed: _____
Copy of documents required
- Taxpayer ID number (EIN or SSN): _____ Business License number: _____
Copy of license required
- If business name is legal billing name, fictitious name file number: _____ Filing date: _____
- Address of corporate office or residence address if sole proprietor:

- Name and information for all corporate officers, partners, or sole owners:

_____	_____	_____	_____	_____
Name	Title	Phone	Driver's License & State	Date of Birth
_____	_____	_____	_____	_____
Name	Title	Phone	Driver's License & State	Date of Birth
_____	_____	_____	_____	_____
Name	Title	Phone	Driver's License & State	Date of Birth
- Contact for billing inquiries: _____
Name Title Phone **email address**
- Name of person completing form: _____
Name Title Telephone

Signature (required): _____	_____	_____
_____	Owner or Corporate Officer	Driver's License number & State
_____	_____	Date of Birth
_____	_____	_____
Print Name	Title	Date

Note: In accordance with published MID regulations, supporting documents verifying the legal billing name may be required.

Agricultural Load Information Form

Modesto Irrigation District
ATTN: Electrical Engineering
PO Box 4060
1231 11th Street
Modesto, California 95352
Fax: (209) 526-7357

Date: _____

Project: _____

Location (Street): _____

Owner (Name): _____ Telephone: _____

Address: _____

Engineer/Contractor (Name): _____ Telephone: _____

Address: _____

Estimated Date Ready for Service: _____ Pre-Construction Meeting Date: _____

Begin Rough Grading Date: _____

General Information

Type of Business: _____

Electric Load Information

	Initial		Future
3Ø Motors	_____ HP		_____ HP
Largest 3Ø Motor	_____ HP		_____ HP

Total Initial Connected Electrical Load: _____ kW Size Main Fused Switch: _____ Amps

Total Future Connected Electrical Load: _____ kW Estimated Date of Future Load: _____

Type of Service Desired: (circle one) Overhead Underground

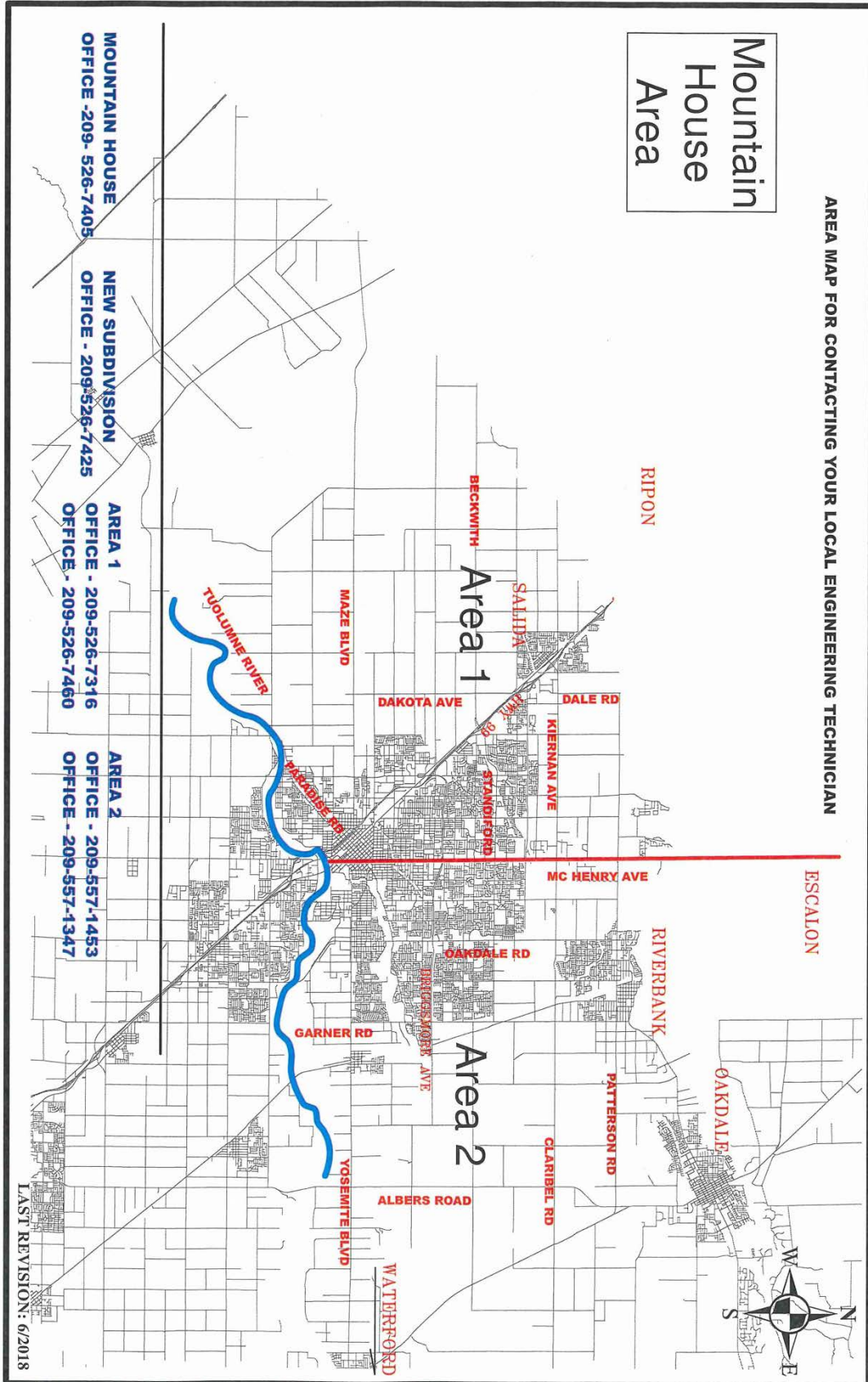
Phase: _____ Voltage: _____ Wires: _____ Estimated Initial Date: _____

Additional load information may be required if voltage flicker problems are anticipated.

- Site Plan: () One site plan in dxf or Autocad format on a CD
 () Emailed electronic file to electric_standards@mid.org

Signature of Applicant

		Office Use Only	
Application Complete	<input type="checkbox"/> Yes <input type="checkbox"/> No	Checked By: _____ If no, explain: _____	Date: _____



Form 3: Area Map

Service Guide Customer Input Form

The Modesto Irrigation District strives to provide excellent customer service. In an effort to improve our Service Guides, this form is provided so you can share your comments and suggestions. Please fill out this form and submit it with along with your comments. Please be as specific as possible. Once the form is complete, email the form to our Standards Department at electric_standards@mid.org, or mail the form to the Modesto Irrigation District office, attention Electrical Standards.

Modesto Irrigation District
 Attn: Electrical Standards
 PO Box 4060
 Modesto CA, 95352-4060

Name: _____ Date: _____

Phone Number: _____ Email: _____

Indicate which Service Guide your comments pertain to:

- | | |
|--|--|
| <input type="checkbox"/> Residential | <input type="checkbox"/> Solar Photovoltaic |
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Electric Vehicle |
| <input type="checkbox"/> Commercial and Industrial | <input type="checkbox"/> Residential Subdivision |
| <input type="checkbox"/> Temporary | <input type="checkbox"/> Street Lighting and Miscellaneous |

	Not Effective	Somewhat Effective	Effective	Very Effective	N/A
Organization of Service Guide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Requirements Were Clear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Effectiveness of Sample Forms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Effectiveness of Drawings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Effectiveness of Service Guide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

