

City of
Thomasville

City of Thomasville
Electric Service Manual

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CONDITIONS OF SERVICE

General

1. Customer shall make an appointment with Thomasville Utilities Electric Engineering to review site plans, point of service, load requirements, easement acquirement, etc....
Note: TU Electric Engineering must approve all changes in construction or design.
2. When construction begins, TU shall be notified two weeks prior to request for temporary, permanent, or service upgrade spots, ditch inspections, and installation of transformers, wire and secondary equipment so as to avoid construction delays since TU is required by law to contact the Utilities Protection Center (UPC) 3 days before digging.
3. Before TU connects or reconnects to any Customer owned electric service all applicable inspections shall be approved and temporary, permanent, or service upgrade spot sheets must be completed.
4. Customer shall give TU Electric Engineering at least 5 working days advance notice for temporary and permanent spots.
5. Thomasville Utilities Electric is prohibited from making the final connection between the TU distribution system and the Customer's wiring system until approval by all relevant permitting and inspection agencies of the City of Thomasville, Thomas County, or Grady County has been received. Once all applicable inspections have been passed and TU has received an application for new service, then a five-day working period for final connection should be expected.
Note: The final inspection by the governing authority does not constitute acceptance by TU Electric; the final inspection assures that customer wiring meet all applicable codes and standards.
6. By accepting electric service from TU, Customer authorizes members of Thomasville Utilities to enter and exit the Customer's property for the purpose of

inspecting, reading, testing, replacing, repairing, or removing its meters and other property.

7. Customer shall give a two-week notice for connection of service.
8. The failure of Thomasville Utilities to enforce any of the terms and conditions set forth in this manual shall not be deemed as a waiver of the right to do so.

RESIDENTIAL AID-TO-CONSTRUCTION

General

1. Customers requesting new residential services will be required to sign an Aid-To-Construction Agreement. Thomasville Utilities will then determine if an Aid-To-Construction will be required. This will be determined on a case-by-case basis using the formula stated below.
2. Service shall be provided to residential construction, either overhead or underground, upon the Customer paying to TU an Aid-To-Construction calculated as the difference between the total cost of construction and the credit earned.
3. The total cost of the residential construction will be determined by TU based upon:
 - a. All costs for labor, material for the construction of said electric distribution system, and the preparation of plans, specifications, and inspections for said system.
4. The credit earned is based upon the total number of meters to be served and shall be calculated as follows:

Base credit + Meter credit

Where, Base credit = \$1000.00

Meter credit = \$600.00 per meter

Example 1) A new residential home will be given a credit of

Base credit: \$1000.00

Meter credit: \$600.00 * 1 = \$600.00

Total credit: \$1600.00

Example 2) A subdivision with 50 meters will be given a credit of

Base credit: \$1000.00

Meter credit: \$600.00 * 50 = \$30,000.00

Total credit: \$31,000.00

5. In any circumstances where the need for electric service may be for a period of less than one year, TU shall charge and the Customer shall pay 100 percent of the actual cost of construction plus the cost of removal less salvage value.

CLASSES OF SERVICE

General

1. Electric service is available at 60 Hz alternating current, single-phase or three-phase, from overhead or underground distribution line at one of the American National Standards Institute (ANSI) standard voltages ($\pm 5\%$).
2. Customer is responsible for providing adequate devices to protect the equipment from high and low voltage, transients, short-circuit current, overload and the effects of single-phasing a three-phase service

Secondary Voltages

1. Standard secondary service voltages for residential loads are as follows;
 - a. Single Phase (3 wire)
 - i. 120/240 V

Note: TU Electric Engineering must approve all other residential service classes.
2. Standard secondary service voltages for commercial and industrial loads are as follows:
 - a. Single Phase (3 wire)
 - i. 120/240 V
 - b. Three Phase (4 wire)
 - i. 120/240 V (Open-Delta)
 - ii. 120/208 V (Wye)
 - 30 kW minimum load required
 - iii. 277/480 V (Wye)
 1. 60 kW minimum load required

Note: All three phase services are subject to availability. TU Electric Engineering must approve all commercial and industrial service classes.

Primary Voltages

1. Primary Voltage is the highest voltage available for electric service before transformation to a secondary delivery voltage.
2. Primary voltages are as follows:
 - a. Single Phase
 - i. 7200 V
 - b. Three Phase
 - i. 12470 V (Wye)

Note: All Primary Voltage requests should be made to Thomasville Utilities Electric Engineering Department for review.

Load Data Sheets

1. Load Data sheets shall be obtained for the following service classes:
 - a. All residential single phase services over 200 A
 - b. All commercial and industrial services regardless of service size or voltage.
 - c. Thomasville Utilities reserves the right to request Load Data sheets for service classes smaller than or equal to 200 A.

POINT OF DELIVERY

General

1. The Point of Delivery shall be defined as the point where TU's electric system stops and the Customer owned wiring begins.
2. TU Electric Engineering shall determine the location of the Point of Delivery between TU electric system and the Customer's wiring.
3. A spot sheet will be given the Customer showing the location of service, service size, meter information, Customer information, Electrician information, etc.
4. If a Customer desires that service be delivered in a manner or to a location other than that designated by TU Electric Engineering, then the Customer shall pay the additional cost of such service.

Point of Delivery Locations

1. Residential (Overhead)
 - a. Point of Delivery shall be the service entrance to the house. In most cases this would be the periscope or weather head.
2. Residential (Underground)
 - a. Point of Delivery shall be at the source side meter terminals.
 - b. Residential services over 400 A will have privately owned secondary cable.
3. Commercial
 - a. All commercial properties shall have privately owned secondary cables or wire.
 - b. Point of Delivery shall be the secondary terminals of the transformer supplying power to the Customer.

4. Industrial

- a.** All industrial properties shall have privately owned secondary cables or wire.
- b.** Point of Delivery shall be the secondary terminals of the transformer supplying power to the Customer.

5. Primary Service

- a.** Point of Delivery shall be the point after the TU installed current metering transformers and potential metering transformers.
- b.** All primary service Customers shall have privately owned wire, cable, and equipment starting after Point of Delivery.

TEMPORARY SERVICES

General

1. A temporary service is a 120/240 Volt service used for building purposes. The pole, breaker boxes, etc. are furnished by the Customer, and must meet all local and state electric codes and pass inspection.
2. TU Electric Engineering shall determine the location of Point of Delivery to all temporary services.
3. The Customer shall obtain a temporary spot sheet and all necessary inspections before being connected to Thomasville Utilities' electric system.
4. The Customer must provide the temporary service meter base, either overhead or underground. Thomasville Utilities will no longer provide meter bases.
5. When temporary service is furnished, the entire expense for the installation and removal will be done at the Customer's expense.
6. Maximum meter height shall not be less than 30" or exceed 66" when measured from the ground to the center of the meter.

Overhead

1. Service shall be mounted on a round or square (6"x6" min.) pole with an eyebolt inserted in the top of the pole. TU will provide eyebolts to Customer/Contractor on request. TU does not provide temporary service poles. For more information refer to [Appendix A Drawing A1](#).
2. Square poles may only be used for temp services where the total distance from TU's upline distribution system is not more than 80 ft. All square poles must be guyed in at least 2 directions regardless of length of pull and final utility attachment point and wire sag must meet all required heights as shown in [Appendix A Drawing A1](#). Failure to meet any of these conditions will result in denial of service until issues are resolved.
3. Construction of temporary services should be built with the same care as permanent service locations. In cases where the temporary service pole is a distance of more than 80 ft. from TU Electric's distribution system, the

Customer/Contractor will be responsible for guying the pole in order to ensure that the temporary service pole and the attached service wire meets all applicable clearances, codes, and must pass inspections.

Underground

1. Underground temporary services should be located within 5 ft. of the pad-mount transformer or other location as designated by a Thomasville Utilities Electric Engineer. For more information refer to [Appendix A Drawing A2](#).
2. Maximum meter height shall not be less than 30” or exceed 66” when measured from the ground to the center of the meter.
3. Customer is responsible for leaving enough exposed cable for TU to make the service up to the secondary bushings of the transformer. All temporary services must pass inspection prior to connection.

Large Capacity, Three Phase, and Primary Temporary Services

1. The Customer shall submit specific proposals to TU for specific approval.

OVERHEAD PERMANENT SERVICE

General

1. Availability of overhead service should be confirmed with TU Electric Engineering before construction begins.
2. The Customer must provide the permanent service meter base. Thomasville Utilities will no longer provide meter bases for service installations.
3. Maximum meter height shall not be less than 30" or exceed 66" when measured from the ground to the center of the meter.
4. All permanent services shall obtain a spot sheet from Thomasville Utilities Electric Engineering staff.

Attachment of Service Drops

1. The Customer's structure shall be strong enough to support the service drops and high enough to provide code clearance for the service drop and drip loops above the ground, buildings, driveway, roads, and other facilities.
2. For connection to the wall of a structure TU requires a 5/8" eyebolt to be securely fastened to the wall.
3. If Customer's service conduit extends through roof or overhang of structure, the Customer's service entrance conductors shall be at least 36" above the roofline for a single service riser. Refer to [Appendix A Drawing A3](#).
4. The minimum height of attachment shall be enough to maintain all necessary clearances for service drop. Refer to [Appendix A Drawing A3](#).

Service Mast Construction

1. Service masts for support (through roof) shall be constructed of rigid steel conduit.
2. Service mast conduit shall not be boxed in or framed around using wood, brick, or any other construction material. Conduit must be visible on all sides except where in contact with the structure wall or passing through the eave of the structure.

3. If more than one service mast is used, all service masts must be tied together using a piece of “rigid unistrut”. Attachment eyebolts (5/8” diameter) shall be placed at the midpoint in the “rigid unistrut” between each consecutive pair of service masts. Refer to [Appendix A Drawing #4](#).

Primary Line Extensions

1. If power is currently not available to the Customer’s lot, TU will require an aid-to-construction for new residential services. Please refer to the Aid-To-Construction section or call the Electric Engineering Department for more information.
2. Primary overhead extensions require a 20’ wide path cleared of all brush, trees and any other obstacles or facilities.
3. All primary line extensions require the Customer to provide an easement, as specified by TU Electric Engineering, at no cost to TU.

Secondary Line Extensions

1. TU will require an aid-to-construction for new residential services. Please refer to the Aid-To-Construction section or call the Electric Engineering Department for more information.

UNDERGROUND PERMANENT SERVICE

General

1. Availability of underground service should be confirmed with TU Electric Engineering before construction begins.
2. TU will require an aid-to-construction for new residential services. Please refer to the Aid-To-Construction section or call the Electric Engineering Department for more information.
3. To prevent delays any underground fees and facilities charges should be paid well in advance of the required service date.
4. A member of TU Electric Engineering shall determine the Point of Delivery between TU distribution system and Customer wiring.
5. The Customer must provide the permanent service meter base. Thomasville Utilities will no longer provide meter bases for underground service installations.
6. All primary line extension requires the Customer to provide an easement, as specified by TU Electric Engineering, at no cost to the utilities.

Specifications for Underground Services

1. All conduits shall be electric grade (PVC shall be schedule 40 and all metal raceways shall be galvanized rigid).
2. All primary conduits and secondary conduits running from the transformer to pedestal shall be installed at a minimum depth of **4 feet** as measured from final grade to the top of the pipe. Refer to [Appendix A Drawing A5](#).
3. All other secondary conduits (except decorative lighting conduits) shall be installed at a minimum depth of **3 feet** as measured from final grade to the top of the pipe. Refer to [Appendix A Drawing A6](#).
4. Other depths may be required to pass under water and drain lines when conflicts exist. Proper clearances shall be maintained, and it shall be the Customer's/Contractor's responsibility to pay for any relocation of conduits and conductors, which occur as the result of interference caused by the installation of other utilities. This includes but is not limited to drainage pipes.

Note: TU Electric Engineering shall be consulted before the Customer/Contractor makes any depth changes in the electric conduit installation. TU Electric reserves the right to specify the installation depth as needed in order to satisfy all Federal, State, and Municipal Codes or, where particular construction practices are not specified, depth shall be specified so as to be in accordance with accepted good practice for the given local condition.

5. All primary and secondary conduits (with the exception of conduit runs for decorative area lighting) shall be 3" PVC unless otherwise specified by a member of Thomasville Utilities Electric Engineering staff.
6. Pull wire shall be placed in all primary and secondary conduit runs. Pull wire shall be solid copper #12 THHN or Detectable MuleTape. Color of wires/tape shall be as follows:
 - a. Primary Conduit:
 - i. Red pull wire/tape shall be used for A phase conduit.
 - ii. White pull wire/tape shall be used for B phase conduit.
 - iii. Blue pull wire/tape shall be used for C phase conduit.
 - b. Secondary Conduit:
 - i. Black pull wire/tape shall be used for all Secondary conduit runs.

Note: Contractor shall use colored electrical tape for marking primary phasing and secondary pulls if using Detectable MuleTape for pull wire. Contractor shall leave the first 6" of Detectable MuleTape uncovered for locating purposes. Below the 6" mark Contractor shall then cover a minimum of 3" of Detectable MuleTape with the appropriate phasing color. A minimum of 12" of Detectable MuleTape or #12 THHN should be left hanging out of the each end of every conduit run. Contractor shall make sure that pull wire/tape is fastened in such a way as to not be able to fall back in to the conduit.

7. All joints shall be properly joined and shall be free of burs, ridges, rough spots, etc.

8. All open ends shall be sealed with duct tape to keep the inside of the conduit free of dirt.
9. Conduits shall be laid in ditches that are smooth and without waves.
10. The Contractor performing the work shall be a licensed utility Contractor, who has previous experience in performing this type of work.
11. Should the conduits parallel a slope or ditch then the burial depth requirements shall be increased by 4 inches for every 6 inches drop in elevation per 1 foot in horizontal distance.
12. All conduit elbows and bends shall be schedule 40 PVC (unless otherwise stated) and shall have a 36-inch minimum radius for both 90-degree and 45 degree bends. Refer to [Appendix A Drawing A5 and A6](#).
13. Conduit prepared for TU shall be inspected prior to backfilling ditch.
14. It shall be the responsibility of the Contractor to verify the transformer pad locations, corners of property lines, right-of-ways for any existing or future public roads, as well as multiple markers along the curves of roads or turnabouts.
Note: Final Inspection of underground installation will not be completed until curbing or other appropriate reference points are installed or marked and ground is at final grade.
15. All material and labor will be furnished and installed by the Customer or his Contractor with exceptions and limitations listed below:
 - a. Transformers, transformer pads, insulated electric wire, and secondary pedestals will be furnished and installed by Thomasville Utilities Electric Department. (Excluding #12 THHN pull and test wire and Detectable MuleTape)
 - b. Plastic underground marking tape will be furnished by the TU Electric, and shall be placed 12 inches below final surface grade. Refer to [Appendix A Drawing A5 and A6](#).
 - c. Copper-clad ground rods and #4 bare copper ground wire with connectors shall be furnished and installed by the Contractor. The ground wire will begin at each primary termination point and will extend in all directions along each primary conduit route for a length of 50 ft. An 8'x5/8" copper-

clad ground rod shall be driven and bonded to the #4 ground wire at the end of the 50 ft.

- d. An 8' x 5/8" copper-clad ground rod shall be driven at every transformer and secondary pedestal pit area, leaving 6 inches of ground rod above final grade.
- e. Contractor shall stub up conduits at all primary and secondary pad locations a minimum of 10 inches above final grade. Number and orientation of conduits shall be specified in transformer and pedestal details provided by Thomasville Utilities Electric Engineering.
- f. Pit dimensions for conduit stub out must fall within TU specifications. Refer to [Appendix B](#) for detailed pit information.

Note: Pit dimensions will be based upon service type and land topography. TU Electric Engineering will inform Contractor which pit dimension details shall be used on a case-by-case basis.

- g. All areas trenched or dugout by the Contractor shall be compacted to a density of 95%. Where elevated transformer pads are to be placed the Contractor should follow installation specifications provided by Thomasville Utilities Electric Engineering. Backfilling shall be accomplished in layers so as to reach a density of 95%. The top 12 inches shall be compacted to 100% of specific density. Compaction test shall be required for all road crossings and must meet approval of TU.

PRIMARY SERVICE

General

1. Primary service is defined as the utility's overhead cable or conductors, or underground cables or conductors operating at voltages greater than 600 V, from the last TU facility to the point of delivery.
2. TU Electric Engineering shall be contacted for availability of primary service in TU's Territory.
3. Customer shall obtain approval from TU Electric Engineering of the location, equipment, and design before starting installation of the service entrance
4. Thomasville Utility furnishes, installs, and maintains the primary service metering equipment in accordance with TU's applicable rates, extension rules, and all other necessary requirements mentioned in this document.
5. Customer shall provide the necessary easements, as determined by TU Electric Engineering, at no expense to TU. No permanent buildings or trees shall be placed in the easement area.
6. Customer furnishes, installs, and maintains all service entrance facilities at the point of delivery including cabinets to house metering CT's and PT's.
7. Primary metering installation is solely at the discretion of Thomasville Utilities Electric.
8. If service of a special characteristic or facilities are desired by the Customer which are not provided in a standard service, such facilities will be provided by the Customer or, at TU's option, furnish to the Customer for a special charge, which will be specified in the Customer's service contract.

SECURITY LIGHTS

General

1. Thomasville Utilities will furnish either overhead or embedded (underground) security lights at the Customer's request and expense. Please contact Thomasville Utilities Electric Engineering Department for the availability and cost of security lights in your area.
2. Customer will be required to sign a contract for the service to be initiated.
3. Please refer to the types of security lights offered and the security light rate schedules as shown in [Appendix C](#).

UNDESIRABLE SERVICE CHARACTERISTICS

General

1. TU may refuse or discontinue service to a Customer if the load characteristics of the Customer's installation have the potential to cause excessive voltage fluctuations, impaired service or damage to TU's equipment and facilities or other Customers. Undesirable load characteristics include – but are not limited – 10% unbalanced load between phases, a power factor of 95%, or cyclical demand fluctuations produced by the Customer's equipment.

CONTINUITY OF SERVICE

General

1. Thomasville Utilities Electric will strive to keep and maintain uninterrupted service, but in case of cessation, deficiency, variation in voltage, or any other failure or reversal of the service resulting from acts of God, public enemies, accidents, strikes, riots, wars, repairs, orders of court or other acts reasonably beyond the control of TU, it shall not be liable for damages, direct or consequential, resulting from such interruptions or failures.
2. The Customer shall immediately inform TU Electric by phone of any interruption, irregularity, or unsatisfactory service and of any defects known to the Customer. TU Electric may, at any time it deems necessary, suspend the supply of electric energy to any Customer for the purpose of making repairs, changes, or improvements, upon any part of the system. Thomasville Utilities shall make every effort to furnish reasonable notice of such discontinuance to Customers, where practicable.
3. TU does not guarantee that electric service will be free from temporary interruptions and outages. These temporary interruptions of service shall not constitute breach of TU service obligations, and neither the Customer nor Thomasville Utilities shall be liable to the other for damages resulting from such temporary interruptions. TU will restore service as soon as it can reasonably do so.
4. Customer is advised to install appropriate protective equipment in situations where single phasing, phase reversal, or temporary interruptions might cause damage to electric equipment or shut down processes or product lines.

ADDITIONS TO ELECTRIC SERVICE

General

1. Electric services and metering equipment are designed by TU Electric Engineers to serve a Customer's load as it exists when connected to the distribution system; it is the Customers/Contractor's responsibility to notify TU Electric in advance of any significant load additions.

FAILURE TO CONNECT

General

1. Should the applicant for new service fail to connect within 90 days after completion of new construction, TU may bill the Customer for the cost of labor, equipment, non-reusable material, and overhead (i.e. all cost less material that is reusable) for construction and retirement of all work done solely to accommodate the new service requested.

Note: This does not apply to newly installed subdivisions.

LIABILITY

General

- 1. Limit of Responsibility**
 - a.** TU will install and maintain its lines and equipment on its side of the Point of Delivery but shall not install or maintain any lines, equipment, or apparatus, unless otherwise specifically provided for in schedules or agreements, except for meters and meter accessories, beyond the Point of Delivery.
- 2. Point of delivery**
 - a.** Thomasville Utilities' responsibility extends only to the supplying of service at the Point of Delivery.
- 3. Customer's Liability**
 - a.** Customer shall assume full responsibility for the current upon Customer's premises at and from Point of Delivery, and for the wires, apparatus, and devices used in connection with the service.
- 4. Tampering with Wiring or Equipment**
 - a.** Customer shall not interfere with, alter, or permit interference with, or alterations of, Thomasville Utilities' meters or other property except by duly authorized representatives of Thomasville Utilities. Meter tampering will result in prosecution and fines.

MOTORS

General

1. All motors exceeding 25 horsepower (HP) shall be required to have a soft start.
2. TU Electric Engineering approval is required before any 10 HP motor is installed or operated on TU's distribution system.
3. Customers must provide all motor nameplate info and method of soft start (if required) to TU Electric Engineering. Customer must provide specs on soft start method and settings on soft start controls to TU Electric Engineering.

Note: TU Electric Engineering will not be able to provide customer/contractor with transformer size or pad dimensions until all required motor information has been submitted.

4. Customer is responsible for providing single phasing protection on all three-phase motors.

SUBDIVISIONS

General

1. Thomasville Utilities will construct a new extension of its distribution system to serve a single-family subdivision development under the following provisions:
 - a. The single-family residences shall be permanent installations.
 - b. The single-family dwelling shall not be combined with or attached to other residential units.
 - c. The developer/owner of the proposed single-family subdivision must have complied with the subdivision policy of TU and paid all aid-to-construction required therein.
2. TU will require an aid-to-construction for new residential services. Please refer to the Aid-To-Construction section or call the Electric Engineering Department for more information.
3. TU will provide the design for the underground primary power system in new subdivisions being served by TU Electric.
4. Thomasville Utilities' Electric Engineering Department should be contacted well in advance of proposed subdivisions estimated start date for construction.
5. Customers will be responsible for delivering subdivision site plans to TU Electric, in digital CAD format, for review and design. These plans should include, but are not limited to, proposed driveways, easements, right-of-ways, and setbacks.

Note: Contractor/Electrician is responsible for checking over final electric service plans and pointing out any possible conflicts between electric service equipment and future construction plans.

RECONSTRUCTION

General

1. All system maintenance projects that do not meet safety codes and clearance requirements because of Customer negligence shall be done at the expense of the Customer.

EASEMENTS

General

1. Each Customer/Developer shall, upon request by TU Electric, execute and deliver to TU Electric conveyance of easement over, under, and on any lands owned by the Customer/ Developer, for the furnishing of electric service to said Customer.
2. TU Electric reserves the right to clear off any vegetation growing in easement that threatens the reliability of Thomasville Utilities' electric system.
3. No permanent buildings or trees shall be placed in the easement area.

METERS

General

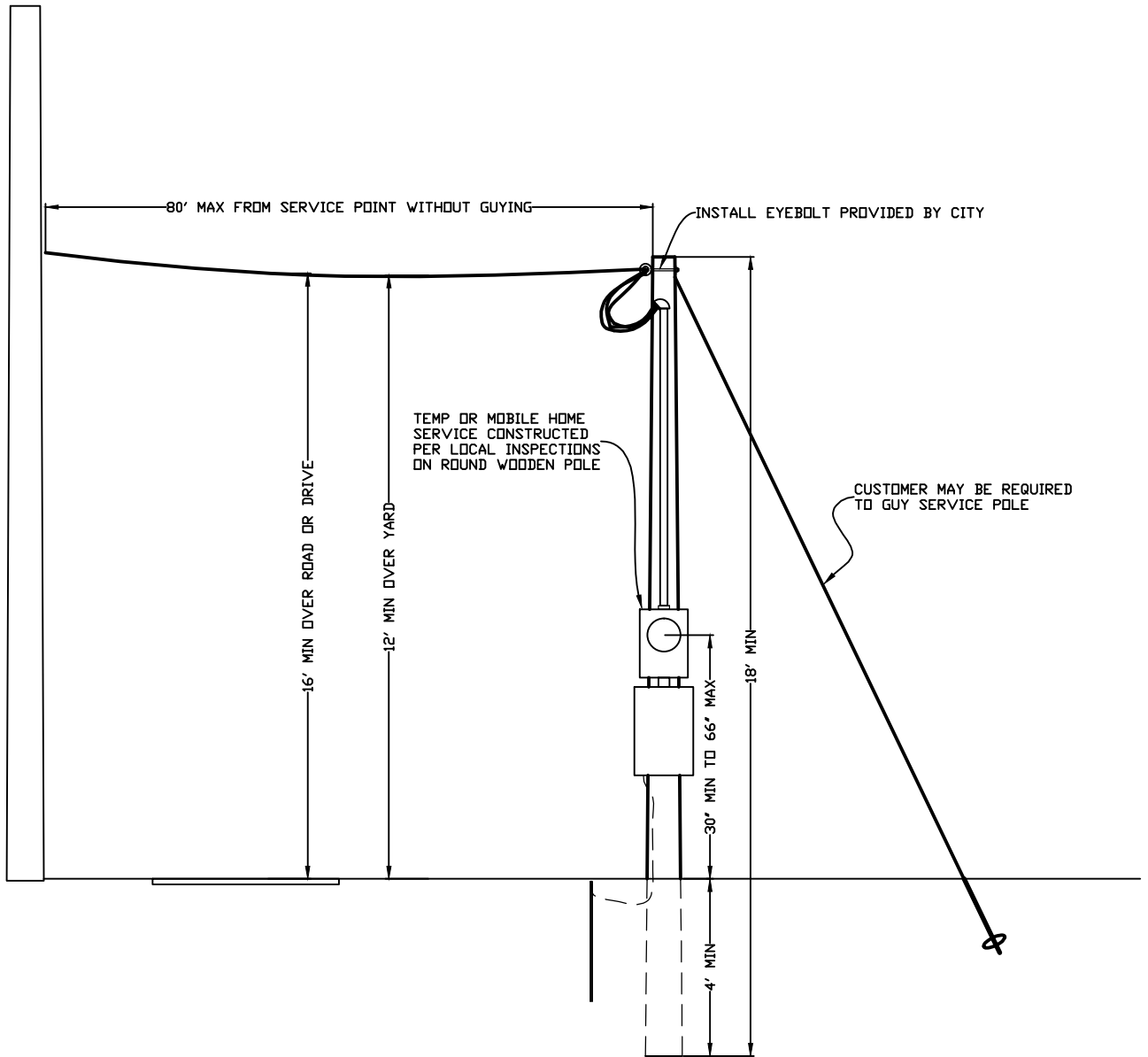
1. Meter locations shall be at the Point of Delivery of service. A member of Thomasville Utilities Electric Engineering will determine this location.
2. Services requiring C.T. metering may be located at a point other than the Point of Delivery.
3. TU Electric will make periodic test and inspections of its meters in order to maintain them at a high standard of accuracy. TU Electric will make additional tests or inspections of its meters at the request of a Customer, but reserves the right to make a charge of \$25.00 to cover the expense involved when such test show the meter to be correct within two percent (2%).
4. TU Electric shall have the right, at its option and at its expense, to place special meters or instruments on the premises of the Customer for the purpose of special tests of all or any part of the Customer's load.
5. When a meter fails to correctly register the amount of electricity consumed during any period, the amount of the bill will be estimated by averaging the amount for the three-month period immediately preceding such defective registration, or any three-month period of normal usage, with consideration being given to season of year or other prevailing conditions.
6. All questions concerning defective meter billing and meter testing should be forwarded to the City of Thomasville Call Center at 229-227-7001

DISCONNECTION OF SERVICE

General

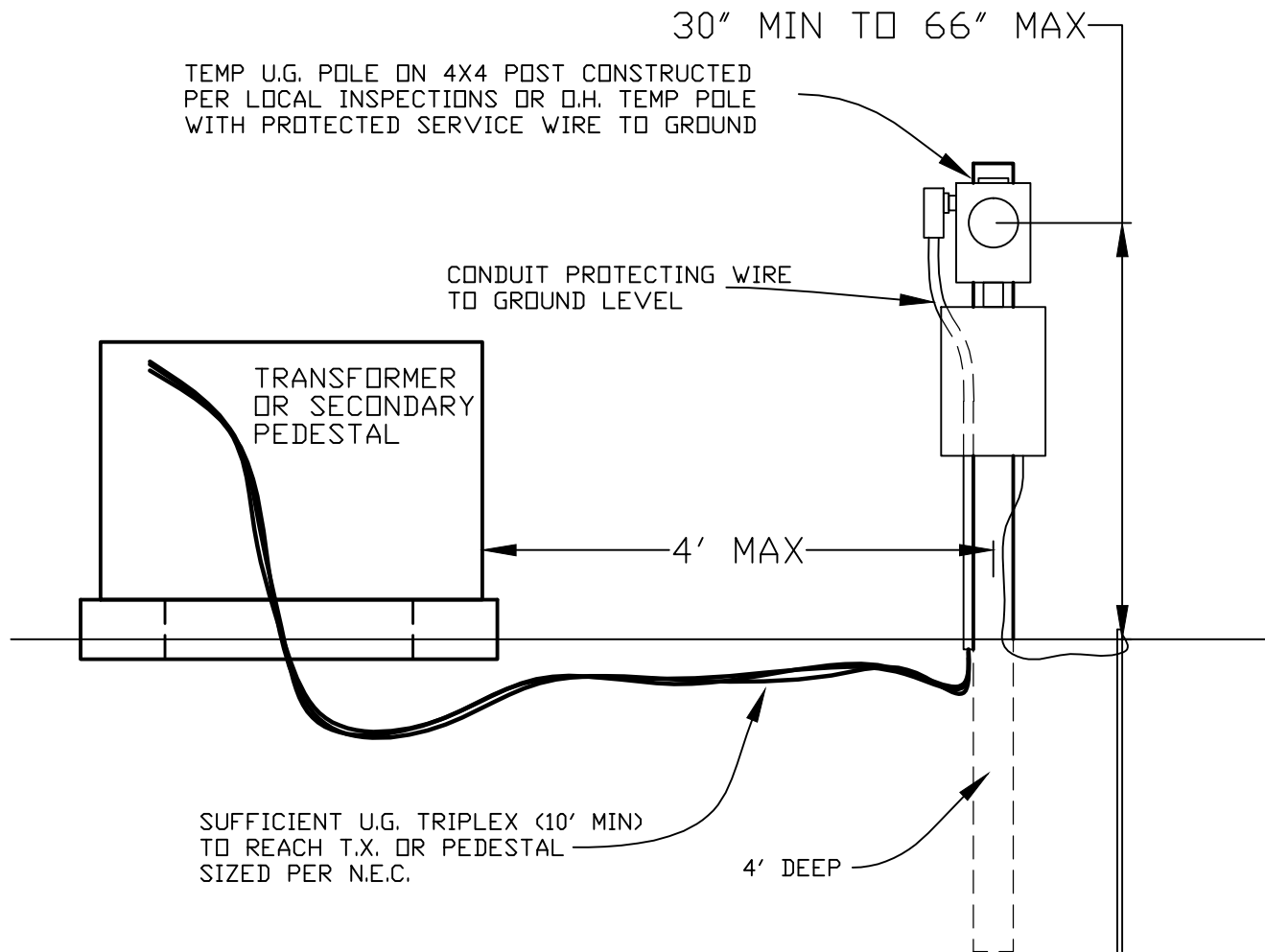
- 1.** The Customer shall give Thomasville Utilities Electric one days advance notice when requesting disconnection of service. The Customer is liable for the energy used until the meter is read and disconnected.
- 2.** Failure to pay bill by due date can cause disconnection of service. For more information on delinquent bills or delinquent cutouts call the Collections Department at 229-227-7001.
- 3.** TU Electric reserves the right to discontinue service upon reasonable notice for any of the following reasons:
 - a.** Refusal by Customer to allow entry to TU's meter.
 - b.** Obstructed or hazardous access to TU's meter.
 - c.** Violation of the policies outlined in this manual.
 - d.** Violation of standard requirements of TU Electric.
 - e.** Disconnection without notice.
- 4.** TU Electric reserves the right to discontinue electric service to any Customer for any of the following reasons:
 - a.** Conclusive evidence that electric service is being used illegally.
 - b.** Disapproval of Customer's equipment or installations because of defects or hazardous conditions.
 - c.** Repairs or emergency operations by TU Electric.
 - d.** Unavoidable shortage or interruption in Thomasville Utilities' source of supply.
 - e.** To protect TU Electric from fraud of abuse such as in the case of unauthorized meter tampering or meter bypass.

Appendix A



TYPICAL O.H. TEMP OR
MOBILE HOME SERVICE

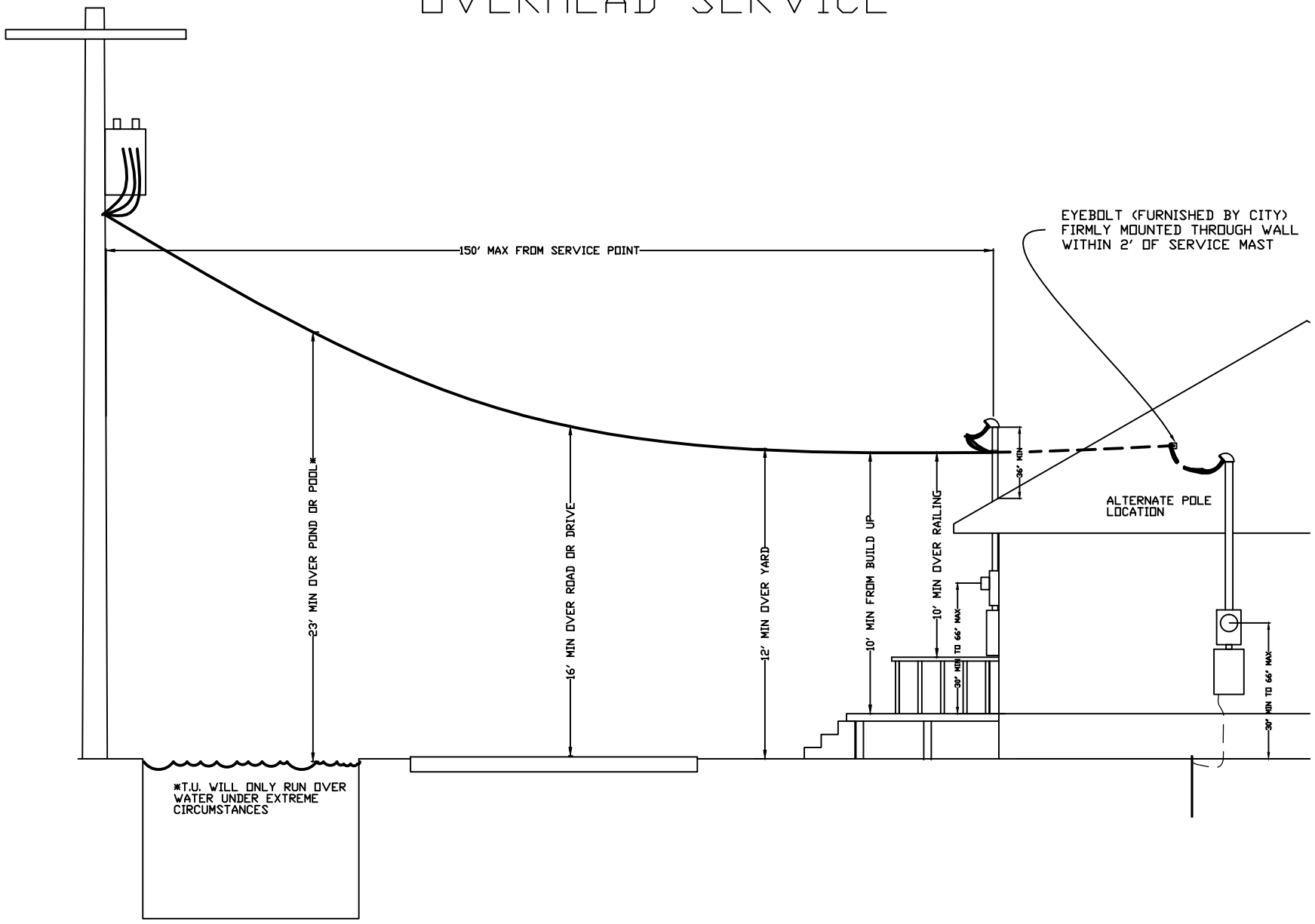
City of Thomasville THOMASVILLE, GA	REVISIONS _____ _____ _____	Electric Department
DATE: MAY, 2006		A1



TYPICAL UNDERGROUND TEMP POLE

City of Thomasville THOMASVILLE, GA	REVISIONS _____ _____ _____	Electric Department <div style="text-align: center; font-size: 1.5em;">A2</div>
DATE: <u>MAY, 2006</u>		

TYPICAL RESIDENTIAL OVERHEAD SERVICE



EYEBOLT (FURNISHED BY CITY)
FIRMLY MOUNTED THROUGH WALL
WITHIN 2' OF SERVICE MAST

ALTERNATE POLE
LOCATION

*T.U. WILL ONLY RUN OVER
WATER UNDER EXTREME
CIRCUMSTANCES

City of Thomasville
THOMASVILLE, GA
DATE: MAY, 2006

REVISIONS

Electric Department

A3

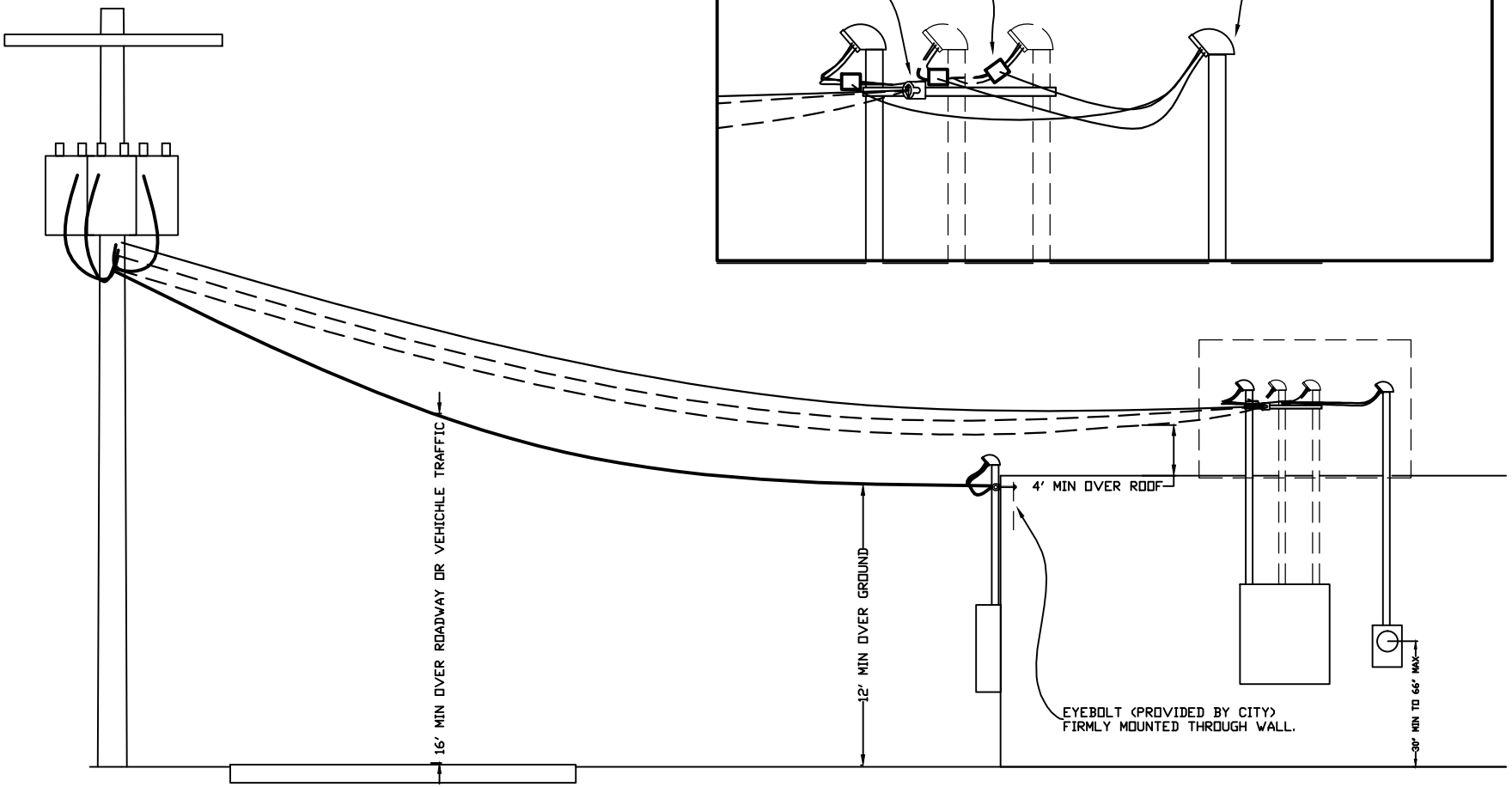
TYPICAL COMMERCIAL OVERHEAD SERVICE

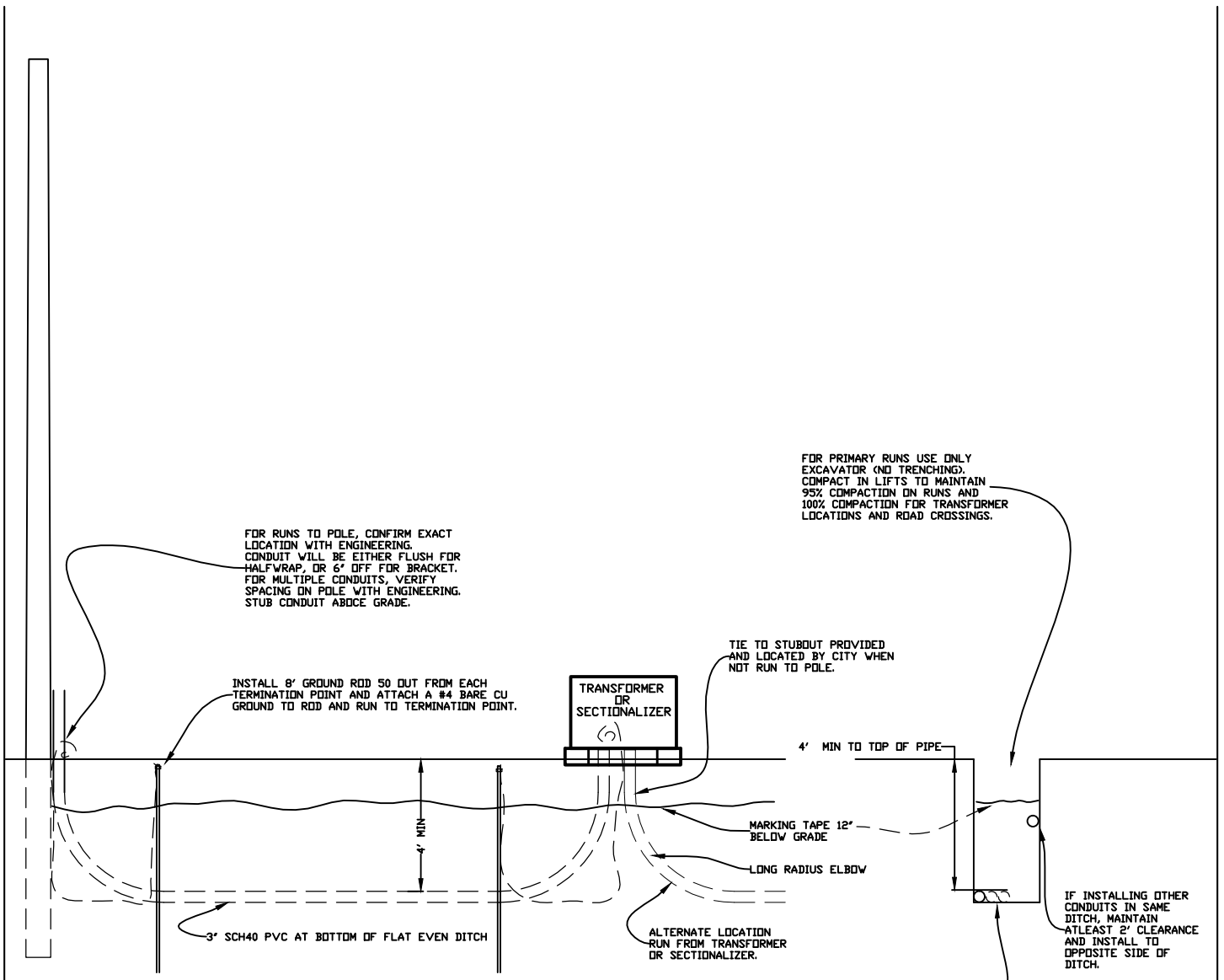
City of Thomasville
 THOMASVILLE, GA
 DATE: MAY, 2006

REVISIONS

Electric Department

A 4





FOR RUNS TO POLE, CONFIRM EXACT LOCATION WITH ENGINEERING. CONDUIT WILL BE EITHER FLUSH FOR HALFWRAP, OR 6" OFF FOR BRACKET. FOR MULTIPLE CONDUITS, VERIFY SPACING ON POLE WITH ENGINEERING. STUB CONDUIT ABOVE GRADE.

FOR PRIMARY RUNS USE ONLY EXCAVATOR (NO TRENCHING). COMPACT IN LIFTS TO MAINTAIN 95% COMPACTION ON RUNS AND 100% COMPACTION FOR TRANSFORMER LOCATIONS AND ROAD CROSSINGS.

INSTALL 8' GROUND ROD 50 OUT FROM EACH TERMINATION POINT AND ATTACH A #4 BARE CU GROUND TO ROD AND RUN TO TERMINATION POINT.

TIE TO STUBOUT PROVIDED AND LOCATED BY CITY WHEN NOT RUN TO POLE.

TRANSFORMER OR SECTIONALIZER

4' MIN TO TOP OF PIPE

MARKING TAPE 12" BELOW GRADE

LONG RADIUS ELBOW

3" SCH40 PVC AT BOTTOM OF FLAT EVEN DITCH

ALTERNATE LOCATION RUN FROM TRANSFORMER OR SECTIONALIZER.

IF INSTALLING OTHER CONDUITS IN SAME DITCH, MAINTAIN ATLEAST 2' CLEARANCE AND INSTALL TO OPPOSITE SIDE OF DITCH.

LAY CONDUITS FLAT AND EVEN IN BOTTOM OF DITCH.

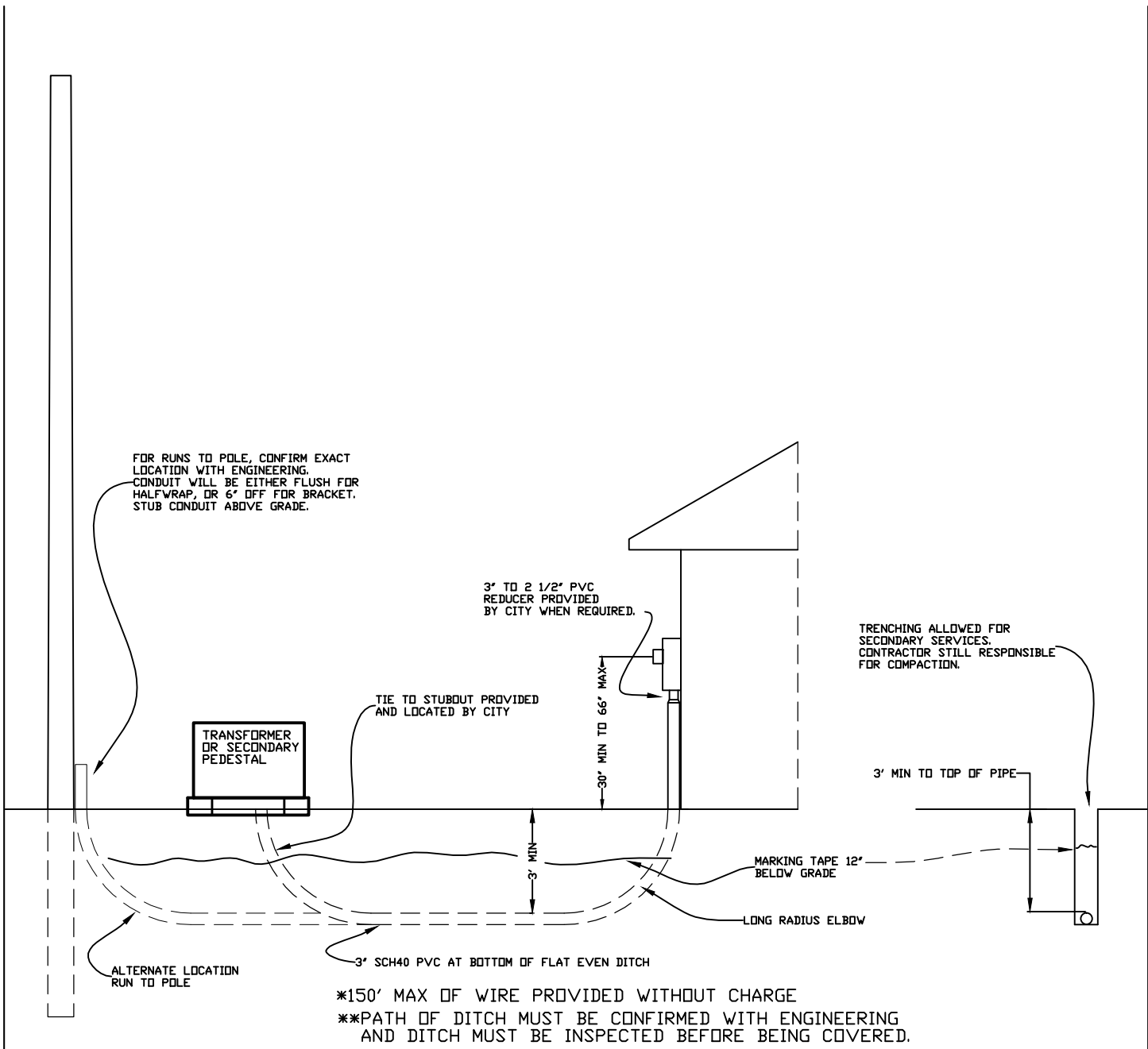
*500' MAX OF PRIMARY CABLE PROVIDED WITHOUT CHARGE. ANY CHARGE FOR ADDITIONAL DISTANCE WILL BE DETERMINED BY T.U. ELECTRIC DEPARTMENT.

**PATH OF DITCH MUST BE CONFIRMED WITH ENGINEERING AND DITCH MUST BE INSPECTED BEFORE BEING COVERED.

TYPICAL UNDERGROUND PRIMARY TRENCH

(1PH OR 3PH)

<p>City of Thomasville THOMASVILLE, GA</p>	<p>REVISIONS _____ _____</p>	<p>Electric Department</p>
<p>DATE: MAY, 2006</p>		<p>A5</p>



TYPICAL UNDERGROUND RESIDENTIAL SECONDARY TRENCH

(400A OR LESS, 120/240V)

City of Thomasville THOMASVILLE, GA	REVISIONS _____ _____ _____	Electric Department
DATE: MAY, 2006		A6

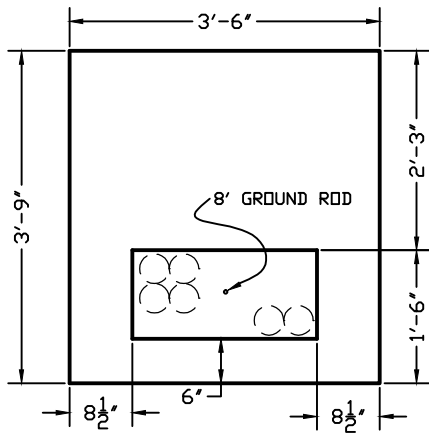
Appendix B

SINGLE PHASE TRANSFORMER DETAIL

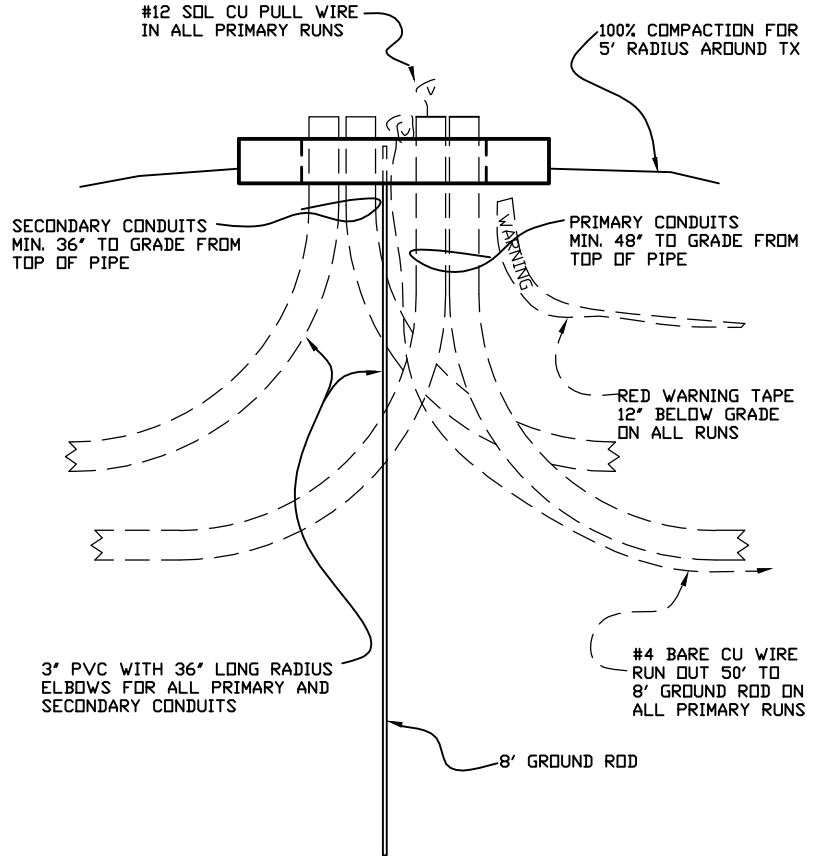
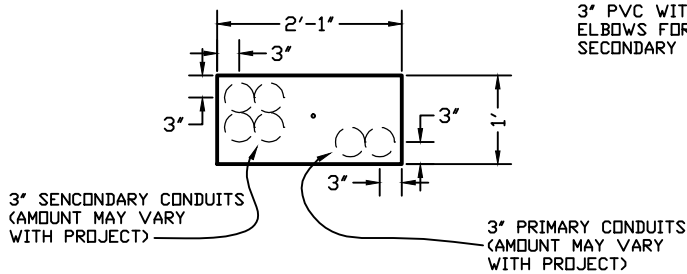
FOLLOW ALL CONSTRUCTION PROCEDURES AS GIVEN IN SPECIFICATIONS

CUT AWAY DETAIL

SINGLE PHASE TX DETAIL



PIT DETAIL

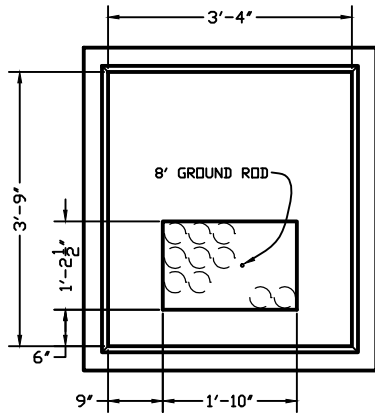


1PH TX DETAIL

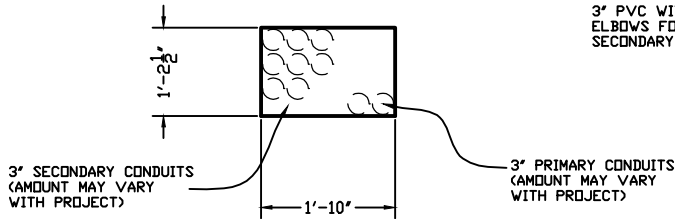
City of Thomasville THOMASVILLE, GA	REVISIONS _____ _____ _____	Electric Department
DATE: MAY, 2006		B1

1PH ELEVATED PAD DETAIL
 ELEVATED PADS ON MODERATE SLOPES AND WITH
 LARGE NUMBER OF SECONDARY CONDUITS
 FOLLOW ALL CONSTRUCTION PROCEDURES
 AS GIVEN IN SPECIFICATIONS

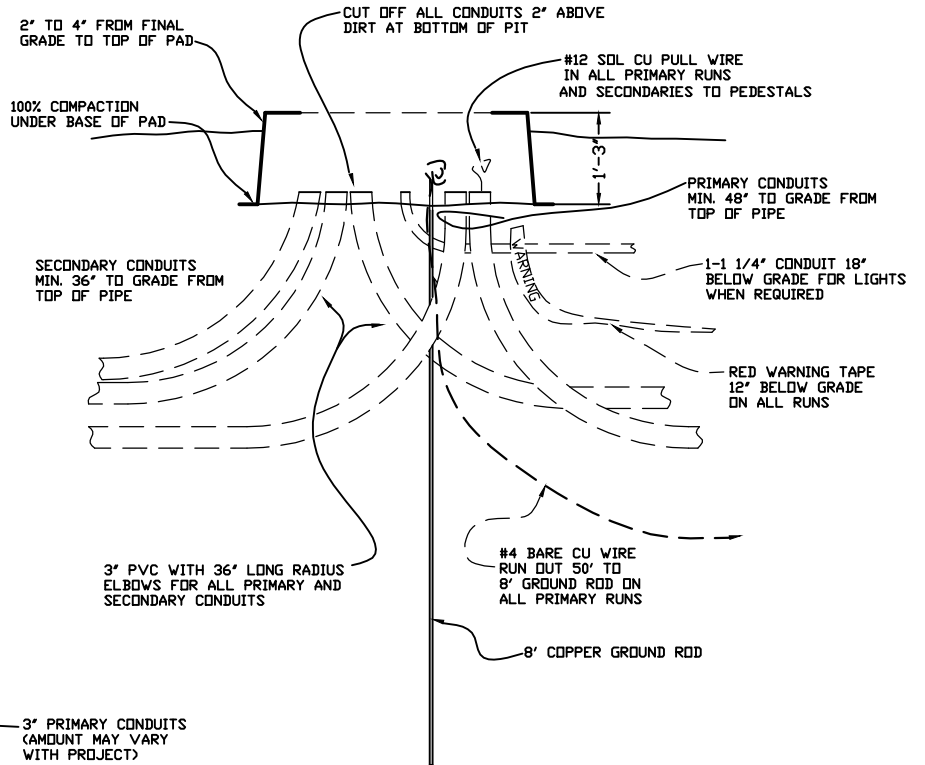
1PH ELEVATED PAD DETAIL



PIT DETAIL

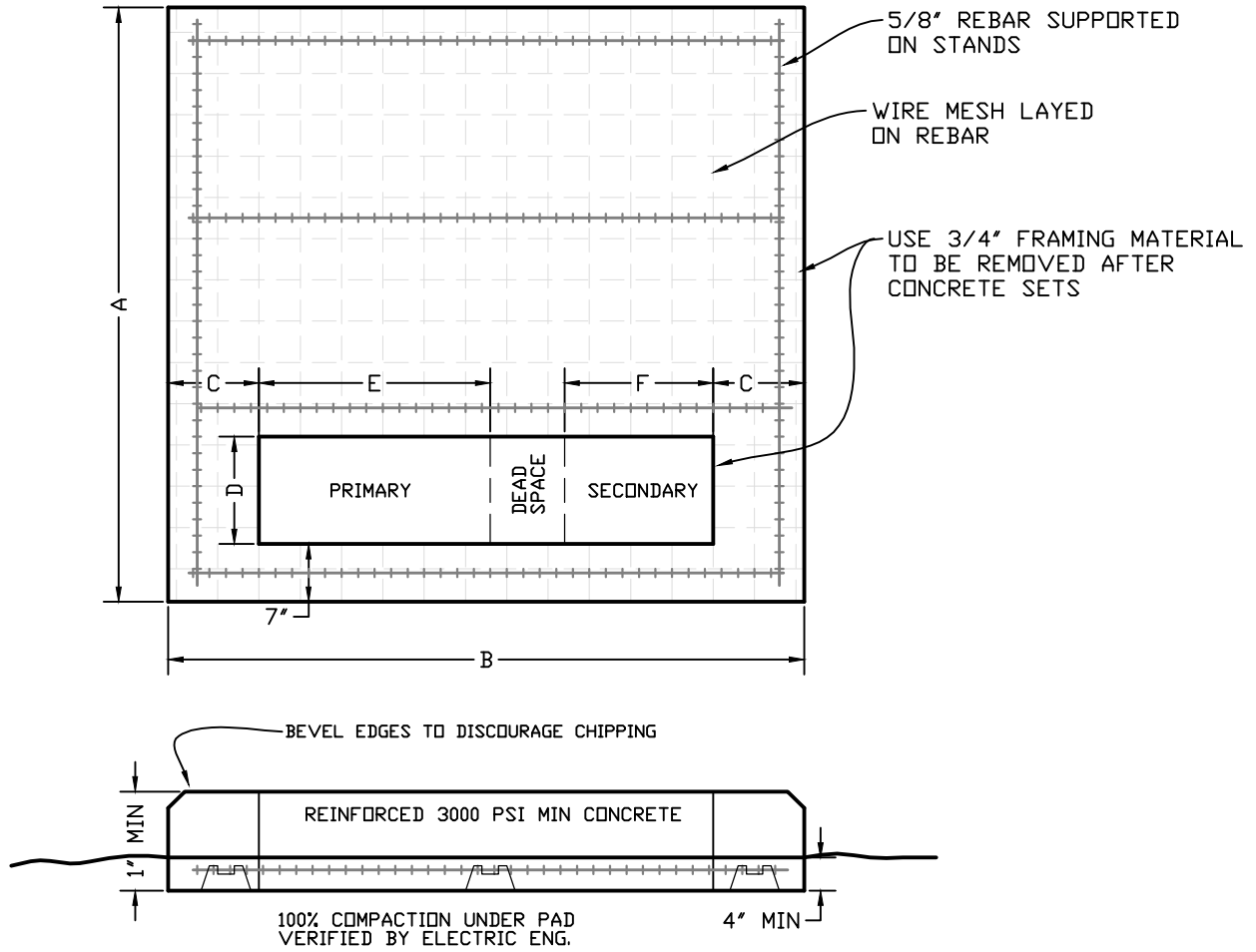


CUT AWAY DETAIL



1PH ELEVATED
 PAD DETAIL

City of Thomasville THOMASVILLE, GA	REVISIONS _____ _____ _____	Electric Department
DATE: MAY, 2006		B2

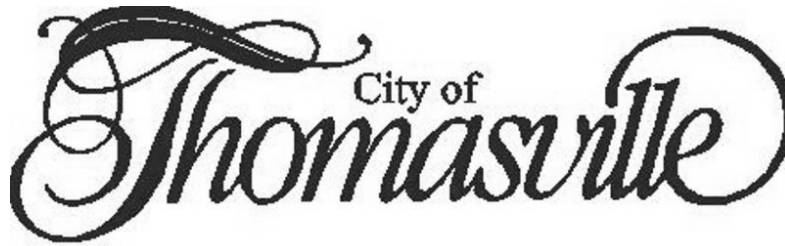


3PH TRANSFORMER PAD DETAIL

(SIZE BY ENGINEERING)

City of Thomasville THOMASVILLE, GA	REVISIONS _____ _____ _____	Electric Department
DATE: MAY, 2006		B3

Appendix C



SECURITY LIGHT PRICE SHEET

LAMP SIZE	DESCRIPTION	COST
<u>HIGH PRESSURE SODIUM</u>		
100 WATT	OPEN FIXTURE	\$8.00
150 WATT	COBRAHEAD	\$12.50
250 WATT	OPEN FIXTURE	\$15.00
250 WATT	COBRAHEAD	\$15.00
400 WATT	COBRAHEAD	\$20.00
400 WATT	SPECIAL FLOOD	\$20.00
1000 WATT	SPECIAL FLOOD	\$30.00
<u>METAL HALIDE</u>		
250 WATT	COBRAHEAD	\$18.00
400 WATT	COBRAHEAD	\$28.00
250 WATT	SPECIAL FLOOD	\$18.00
400 WATT	SPECIAL FLOOD	\$28.00
1000 WATT	SPECIAL FLOOD	\$36.00
<u>DECORATIVE LIGHTS</u>		
150 WATT HPS	UG POST TOP	\$28.50
150 WATT MH	UG POST TOP	\$33.00
1000 WATT MH**	SHOEBOX	\$36.00

FOR UNDERGROUND WIRE TO SECURITY LIGHTS A CHARGE OF \$0.05 PER FOOT PER MONTH WILL BE APPLIED FOR UNDERGROUND WIRING OF SECURITY LIGHTS. INSTALLATION OF 1-1/4" CONDUIT WITH STANDARD RADIUS BENDS BURIED TO CODE DEPTH (24") TO EACH FIXTURE IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES WILL BE REQUIRED.

POLES

WOOD	\$3.00*
CONCRETE	\$40.00*

* THIS IS CHARGED FOR EACH POLE THAT IS USED FOR SECURITY LIGHT PURPOSES ONLY, FOR THE LIGHT ITSELF AND/OR TO RUN THE WIRE TO A LOCATION THAT REQUIRES ADDITIONAL POLES TO GET THERE.

**SPECIAL PURPOSE LIGHTS. CONTACT ELECTRIC ENGINEERING AT 227-4068 FOR MORE INFORMATION.

Security Light Contract



SECURITY LIGHT SERVICE
APPLICATION & AGREEMENT

Customer's Name _____

Address/Location of Lights _____

Billing Address _____ Ph# _____

Thomasville Utilities Employee _____

New Contract () Contract Extension ()

Acct# _____

I, as the property owner, as an authorized representative of the owner, or with the owner's written permission, hereby make application for the following security lights in accordance with the terms and conditions of the City's Security Light Rate Schedule. I understand that the rates are subject to change by the City Commission in the manner prescribed by law, and in the event of such change the new rate will apply from its effective date. The City agrees however, that should the Security Lighting Rate be increased, the customer shall have the right to discontinue service without paying the removal charges called for by the rate. **I agree to continue this service for a period of not less than 36 MONTHS. In the event that I wish to discontinue this service before 36 months, I will pay the following charges to cover installation and removal of fixture: \$50.00 per light and \$50.00 per pole set to facilitate light. The original 36 month period begins at the time of a new installation or the relocation of an existing light.**

<u>TYPE OF LAMPS*</u>	<u>LAMPS</u>	<u>POLES</u>	<u>LIGHT NUMBERS</u>
<u>HIGH PRESSURE SODIUM</u>			
100 WATT OPEN FIXTURE: (12) (32)	_____	_____	_____
250 WATT OPEN FIXTURE: (13) (33)	_____	_____	_____
250 WATT COBRAHEAD: (13) (45)	_____	_____	_____
400 WATT COBRAHEAD: (14) (34)	_____	_____	_____
400 WATT FLOOD: (15) (35)	_____	_____	_____
1000 WATT FLOOD: (17) (36)	_____	_____	_____
_____	_____	_____	_____
<u>METAL HALIDE</u>			
250 WATT COBRAHEAD: (21) (40)	_____	_____	_____
400 WATT COBRAHEAD: (23) (42)	_____	_____	_____
250 WATT FLOOD: (22) (41)	_____	_____	_____
400 WATT FLOOD: (24) (43)	_____	_____	_____
1000 WATT FLOOD: (26) (44)	_____	_____	_____
_____	_____	_____	_____
<u>MERCURY VAPOR**</u>			
175 WATT OPEN FIXTURE: (10) (30)	_____	_____	_____
400 WATT COBRAHEAD: (11) (31)	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* Numbers in () are: (Billing Type) (User Type)

** Existing locations only.

Signature _____ Date _____

Underground Decorative Security Light Contract



DECORATIVE HPS SECURITY LIGHT SERVICE
APPLICATION & AGREEMENT

This Security Light Service Agreement made and entered into on the ___ day of _____, _____, by and between the City of Thomasville, a Georgia Municipal Corporation, party of the first part (hereinafter called the "City") and _____, party of the second part ((hereinafter called the "Property Owner").

WITNESSETH:

WHEREAS, Property Owner has requested City to install and provide security lighting services to the facilities at _____.

NOW, THEREFORE, for and in consideration of one (\$1.00) in hand paid by each party hereto to the other, the receipt and sufficiency of which is hereby acknowledged, and the mutual covenants and agreements herein made between the parties as follows:

- 1) City will purchase and install _____ lighting fixture(s) to be placed within boundaries of _____
_____ at _____. The lighting fixture will be a 150 W high pressure sodium lamp and clear globe mounted on an antique post.
- 2) City agrees to install and maintain the lighting fixture(s) as specified above and at the rate of \$28.50 per month per fixture and \$0.05 per foot per month for underground wire. City reserves the right to modify said rates through ordinance amendments modifying lighting rates as adopted by the city council.
- 3) The City agrees to install electrical wiring through conduits provided by the Customer's Contractor. The Property Owner agrees to provide and install 1-1/4" conduits with standard radius bends buried to code depth to each fixture in accordance with good engineering practices.
- 4) The City agrees to provide necessary maintenance to the Security Lighting Fixture(s). This maintenance will be accomplished completely at the discretion of the city and will be specifically limited to bulb replacement, photo

cell replacement, paint touchup, replacement of damaged poles and or luminaries, replacement of faulty ballast and repair of underground electrical wiring.

- 5) The City agrees to provide necessary energy to operate streetlight specified in this agreement.
- 6) The City agrees to replace damaged poles and/or luminaries with like kind as long as they are available. Should poles and luminaries of this type no longer be available from suppliers known to the City, poles and or luminaries will be replaced with equal or better lighting performance.
- 7) The Property Owner agrees to accept the light fixture specified above and maintenance provisions described herein for a minimum of five (5) years.
- 8) **In the event that the Property Owner terminates this Decorative Security Light Agreement before the end of the five (5) year period, the Property Owner will be billed for and shall pay the months remaining in this Agreement at the rate specified in section 2 above.**
- 9) **The five (5) year period describe in this Agreement begins when equipment and service installation is complete.**

This contract contains the entire understanding and parties on the subjects therein and there will be no change in the terms of the agreement except in writing and signed by both parties hereto.

This agreement fulfills the City Of Thomasville's requirements per:

City Code Chapter 22/244:

(a) Outdoor lighting on private lots.

1. Parking lots containing 25 or more spaces shall be properly illuminated for the safety and security of pedestrians and vehicles.
2. Lighting shall be designed to preclude light spillover on to adjacent properties.
3. Outdoor lighting on private lots abutting residential uses shall use only cut-off luminaries fixtures mounted in such a manner that its cone of light is directed downward and does not cross any property line of the site.

In witness whereof, the parties to this agreement have hereto set their hands the date and year written above.

WITNESS _____

BY: _____
(Director of Electric Operations)

WITNESS _____

BY _____
(Authorized Customer Representative)
(For _____)

Light Numbers : _____



DECORATIVE MH SECURITY LIGHT SERVICE
APPLICATION & AGREEMENT

This Security Light Service Agreement made and entered into on the ___ day of _____, 20____, by and between the City of Thomasville, a Georgia Municipal Corporation, party of the first part (hereinafter called the “City”) and _____, party of the second part ((hereinafter called the “Property Owner”).

WITNESSETH:

WHEREAS, Property Owner has requested City to install and provide security lighting services to the facilities at _____.

NOW, THEREFORE, for and in consideration of one (\$1.00) in hand paid by each party hereto to the other, the receipt and sufficiency of which is hereby acknowledged, and the mutual covenants and agreements herein made between the parties as follows:

- 1) City will purchase and install _____ lighting fixture(s) to be placed within boundaries of _____
_____ at _____. The lighting fixture will be a 150 W metal halide lamp and clear globe mounted on an antique post.
- 2) City agrees to install and maintain the lighting fixture(s) as specified above and at the rate of \$33.00 per month per fixture and \$0.05 per foot per month for underground wire. City reserves the right to modify said rates through ordinance amendments modifying lighting rates as adopted by the city council.
- 3) The City agrees to install electrical wiring through conduits provided by the Customer’s Contractor. The Property Owner agrees to provide and install 1-1/4” conduits with standard radius bends buried to code depth to each fixture in accordance with good engineering practices.
- 4) The City agrees to provide necessary maintenance to the Security Lighting Fixture(s). This maintenance will be accomplished completely at the discretion of the city and will be specifically limited to bulb replacement, photo cell replacement, paint touchup, replacement of damaged poles and or luminaries, replacement of faulty ballast and repair of underground electrical wiring.

- 5) The City agrees to provide necessary energy to operate streetlight specified in this agreement.
- 6) The City agrees to replace damaged poles and/or luminaries with like kind as long as they are available. Should poles and luminaries of this type no longer be available from suppliers known to the City, poles and or luminaries will be replaced with equal or better lighting performance.
- 7) The Property Owner agrees to accept the light fixture specified above and maintenance provisions described herein for a minimum of five (5) years.
- 8) **In the event that the Property Owner terminates this Decorative Security Light Agreement before the end of the five (5) year period, the Property Owner will be billed for and shall pay the months remaining in this Agreement at the rate specified in section 2 above.**
- 9) **The five (5) year period describe in this Agreement begins when equipment and service installation is complete.**

This contract contains the entire understanding and parties on the subjects therein and there will be no change in the terms of the agreement except in writing and signed by both parties hereto.

This agreement fulfills the City Of Thomasville's requirements per:

City Code Chapter 22/244:

(a) Outdoor lighting on private lots.

1. Parking lots containing 25 or more spaces shall be properly illuminated for the safety and security of pedestrians and vehicles.
2. Lighting shall be designed to preclude light spillover on to adjacent properties.
3. Outdoor lighting on private lots abutting residential uses shall use only cut-off luminaries fixtures mounted in such a manner that its cone of light is directed downward and does not cross any property line of the site.

In witness whereof, the parties to this agreement have hereto set their hands the date and year written above.

WITNESS _____

BY: _____
(Director of Electric Operations)

WITNESS _____

BY _____
(Authorized Customer Representative)
(For _____)

Light Numbers : _____

Underground Decorative Street Light Contract



DECORATIVE STREET LIGHT SERVICE
APPLICATION & AGREEMENT

___/___/___

I, _____, understand that to have decorative street lights installed in _____ Subdivision, I will have to pay the cost difference between underground decorative post lights and wood poles with fixtures mounted on arms as is normally installed.

I understand that this is not a purchase of lamps and that these lamps will remain the property and responsibility of the City of Thomasville.

I understand that the decorative post lamp will be a standard type post lamp that the City of Thomasville has in use in other areas that have chosen to use decorative post lamps.

I also understand that it will be my responsibility to have a licensed contractor install the 1 1/4" conduit from either a secondary pedestal or pad mounted transformer to each location per the specifications provided by the City of Thomasville. The City of Thomasville will construct the footing, pull wire and install the light.

Locations are as follows:

Total Number of UG Street Lights = _____

Cost Difference to be paid by Developer/Contractor = _____

Date

Authorized Representative of Contractor

Witness

Appendix D

Residential Overhead/Underground Service Agreement

Thomasville Utilities

RESIDENTIAL ABOVEGROUND/UNDERGROUND UTILITY AGREEMENT

THIS AGREEMENT made and entered into this _____ day of _____, 20____, by and between the CITY OF THOMASVILLE, GEORGIA, a municipal corporation (hereinafter "Thomasville"), and _____ (hereinafter "Owner").

For and in consideration of the mutual promises and covenants set forth herein and other good and valuable consideration, the adequacy of which is hereby acknowledged, Thomasville and Owner agree as follows:

1. Owner proposes to develop and construct a residence to be located at _____ [address] (hereinafter the "Residence") in Thomas County, Georgia. .

2. Owner has requested that Thomasville provide aboveground/underground electric utility service for the Residence.

3. Thomasville will provide aboveground/underground electric utility service to the Residence, under the following terms and conditions:

(a) Thomasville will install all power poles, electric lines, electric transformers and related components necessary for the provision of electric service to the Residence. (All such power poles, electric lines, transformers and related components are hereinafter referred to as the "Infrastructure.")

(b) If underground facilities are requested, Thomasville will provide underground electric utility service to the Subdivision, under the following terms and conditions:

a. Subject to specifications and requirements established by Thomasville, Developer will install, at Developer's expense, all underground ductwork or conduits necessary for the carriage of electric lines.

b. Thomasville will install all electric lines to and through Owners ductwork so as to provide electric service to each meter. In connection therewith, Thomasville will install all electric transformers and related components necessary for the provision of such electric service. (All such electric lines, transformers and related components are hereinafter referred to as the "Infrastructure.")

(c) Thomasville will be responsible for the first \$1,000.00 of the costs and expenses of the installation of the Infrastructure. Thereafter, Thomasville will be responsible for the balance of such costs and expenses, but limited to an amount of \$600.00. All costs and expenses for the installation of the Infrastructure above the aggregate amount will be reimbursed by Owner to Thomasville. After the deduction of the first \$1,000.00 as contemplated in subparagraph (a), above, Thomasville will be responsible for no more than \$600.00 of the aggregate amount of the costs and expenses of the Infrastructure, and Owner will reimburse Thomasville for the balance, of that aggregate amount. Any such reimbursement will be made by Owner within thirty (30) days of the presentation to Owner by Thomasville of Thomasville's statement of costs and expenses for the installation of the Infrastructure as contemplated by this Agreement.

(d) In the event the costs and expenses of installing the Infrastructure as described above are less than \$600.00 per metered unit, Thomasville will be responsible for only the actual costs and expenses of the installation of the Infrastructure.

4. At no cost to Thomasville, Owner will provide, in form acceptable to Thomasville, all easements and rights of way for the areas to be served by the extension of electric utility service by Thomasville.

5. Upon completion of the extension of electric utility service by Thomasville to the Residence, all the Infrastructure shall remain the property of Thomasville, and Thomasville shall have all necessary rights of access for the maintenance and repair of such facilities.

6. Owner and Thomasville further stipulate and agree that, before the commencement of work by Thomasville to provide electric utility service to the Residence as contemplated by this Agreement, Owner will provide to Thomasville a Final Project Design which will be used by Thomasville for its planning and construction of the Infrastructure. Owner agrees that, once the Final Project Design for the Residence has been delivered to Thomasville, any cost or expense incurred by Thomasville because of any change to the Final Project Design will be borne by Owner. At Thomasville's option, before any further work is done by Thomasville with respect to the planning or installation of the Infrastructure for the Residence, Thomasville will submit to Owner a statement of projected costs and expenses brought about by any such change to the Final Project Design, and payment therefor will be made by Owner at the time of presentation of the statement. If, after completion of the construction of the Infrastructure, the total amount of the actual costs and expenses brought about by any change to the Final Project Design are less than that amount paid by the Owner to Thomasville for the projected costs and expenses, then Thomasville will reimburse Owner for the difference in the two amounts within thirty days after the completion of the installation of the Infrastructure by Thomasville. If the total amount of the actual costs and expenses brought about by any change to the Final Project Design is more than the projected amount paid by Owner, then, following completion of the installation of the Infrastructure, Thomasville will submit to Owner a statement of such amount, which will be paid by Owner within thirty days thereafter. Otherwise, at the completion of installation of the Infrastructure for the Residence, Thomasville will submit to Owner a statement of actual costs and expenses brought about by any change to the Final Project Design, and payment therefor will be made by Owner within thirty (30) days of the presentation of the statement.

7. This Agreement shall be binding on the parties, and their respective successors in interest, assigns, heirs and personal representatives.

8. This Agreement contains the entire understanding between the parties as to the matters described above, and there will be no change to the terms of this Agreement except in writing and signed by authorized representatives of both parties.

IN WITNESS WHEREOF, the parties to this Agreement have hereunto set their hands the date and year first written above.

CITY OF THOMASVILLE, GEORGIA

By: _____

Title

Owner

Subdivision Underground Service Agreement

Thomasville Utilities

SUBDIVISION UNDERGROUND UTILITY AGREEMENT

THIS AGREEMENT made and entered into this _____ day of _____, 20___, by and between the CITY OF THOMASVILLE, GEORGIA, a municipal corporation (hereinafter "Thomasville"), and _____ (hereinafter "Developer").

For and in consideration of the mutual promises and covenants set forth herein and other good and valuable consideration, the adequacy of which is hereby acknowledged, Thomasville and Developer agree as follows:

1. Developer proposes to develop and construct a residential subdivision to be located at

_____ [address] (hereinafter the "Subdivision") in Thomas County, Georgia.

Developer anticipates that, upon completion, the Subdivision will consist of _____ metered units.

2. Developer has requested that Thomasville provide underground electric utility service for the Subdivision.

3. Thomasville will provide underground electric utility service to the Subdivision, under the following terms and conditions:

- (a) Subject to specifications and requirements established by Thomasville, Developer will install, at Developer's expense, all underground ductwork or conduits necessary for the carriage of electric lines.

- (b) Thomasville will install all electric lines to and through Developer's ductwork so as to provide electric service to each metered unit in the Subdivision. In connection therewith, Thomasville will install all electric transformers and related components necessary for the provision of such electric service. (All such electric lines, transformers and related components are hereinafter referred to as the "Infrastructure.")

- (c) Thomasville will be responsible for the first \$1,000.00 of the costs and expenses of the installation of the Infrastructure. Thereafter, Thomasville will be responsible for the balance of such costs and expenses, but limited to an aggregate amount computed at the rate of \$600.00 per metered unit. All costs and expenses for the installation of the Infrastructure above the aggregate amount will be reimbursed by Developer to Thomasville. By way of example only, if the Subdivision consists of 100 metered units, and the costs and expenses of installing the Infrastructure are \$1,000.00 per metered unit, the aggregate amount is \$100,000.00. After the deduction of the first \$1,000.00 as contemplated in subparagraph (a), above, Thomasville will be responsible for the first \$60,000.00 of the aggregate amount of \$100,000.00, and Developer will reimburse Thomasville for the balance, or \$39,000.00. Any such reimbursement will be made by Developer within thirty (30) days of the presentation to

Developer by Thomasville of Thomasville's statement of costs and expenses for the installation of the Infrastructure as contemplated by this Agreement.

(d) In the event the costs and expenses of installing the Infrastructure as described above are less than \$600.00 per metered unit, Thomasville will be responsible for only the actual costs and expenses of the installation of the Infrastructure.

4. At no cost to Thomasville, Developer will provide, in form acceptable to Thomasville, all easements and rights of way for the areas to be served by the extension of electric utility service by Thomasville.

5. Upon completion of the extension of electric utility service by Thomasville to the Subdivision, all the Infrastructure shall remain the property of Thomasville, and Thomasville shall have all necessary rights of access for the maintenance and repair of such facilities.

6. Developer and Thomasville further stipulate and agree that, before the commencement of work by Thomasville to provide electric utility service to the Subdivision as contemplated by this Agreement, Developer will provide to Thomasville a Final Project Design which will be used by Thomasville for its planning and construction of the Infrastructure. Developer agrees that, once the Final Project Design for the Subdivision has been delivered to Thomasville, any cost or expense incurred by Thomasville because of any change to the Final Project Design will be borne by Developer. At Thomasville's option, before any further work is done by Thomasville with respect to the planning or installation of the Infrastructure for the Subdivision, Thomasville will submit to Developer a statement of projected costs and expenses brought about by any such change to the Final Project Design, and payment therefor will be made by Developer at the time of presentation of the statement. If, after completion of the construction of the Infrastructure, the total amount of the actual costs and expenses brought about by any change to the Final Project Design are less than that amount paid by the Developer to Thomasville for the projected costs and expenses, then Thomasville will reimburse Developer for the difference in the two amounts within thirty days after the completion of the installation of the Infrastructure by Thomasville. If the total amount of the actual costs and expenses brought about by any change to the Final Project Design is more than the projected amount paid by Developer, then following completion of the installation of the Infrastructure, Thomasville will submit to Developer a statement of such amount, which will be paid by Developer within thirty days thereafter. Otherwise, at the completion of installation of the Infrastructure for the Subdivision, Thomasville will submit to Developer a statement of actual costs and expenses brought about by any change to the Final Project Design, and payment therefor will be made by Developer within thirty (30) days of the presentation of the statement.

7. This Agreement shall be binding on the parties, their successors in interest and their assigns, including the owners of the metered units in the subdivision, once sales of the individuals units are made.

8. This Agreement contains the entire understanding between the parties as to the matters described above, and there will be no change to the terms of this Agreement except in writing and signed by authorized representatives of both parties.

IN WITNESS WHEREOF, the parties to this Agreement have hereunto set their hands the date and year first written above.

CITY OF THOMASVILLE, GEORGIA

By: _____

Title

Developer

Subdivision Overhead Service Agreement

Thomasville Utilities

SUBDIVISION ABOVEGROUND UTILITY AGREEMENT

THIS AGREEMENT made and entered into this _____ day of _____, 20___, by and between the CITY OF THOMASVILLE, GEORGIA, a municipal corporation (hereinafter "Thomasville"), and _____ (hereinafter "Developer").

For and in consideration of the mutual promises and covenants set forth herein and other good and valuable consideration, the adequacy of which is hereby acknowledged, Thomasville and Developer agree as follows:

1. Developer proposes to develop and construct a residential subdivision to be located at _____ [address] (hereinafter the "Subdivision") in Thomas County, Georgia. Developer anticipates that, upon completion, the Subdivision will consist of _____ metered units.

2. Developer has requested that Thomasville provide aboveground electric utility service for the Subdivision.

3. Thomasville will provide aboveground electric utility service to the Subdivision, under the following terms and conditions:

(a) Thomasville will install all electric lines to and through the Subdivision so as to provide electric service to each metered unit in the Subdivision. In connection therewith, Thomasville will install all power poles, electric lines, electric transformers and related components necessary for the provision of such electric service. (All such power poles, electric lines, transformers and related components are hereinafter referred to as the "Infrastructure.")

(b) Thomasville will be responsible for the first \$1,000.00 of the costs and expenses of the installation of the Infrastructure. Thereafter, Thomasville will be responsible for the balance of such costs and expenses, but limited to an aggregate amount computed at the rate of \$600.00 per metered unit. All costs and expenses for the installation of the Infrastructure above the aggregate amount will be reimbursed by Developer to Thomasville. By way of example only, if the Subdivision consists of 100 metered units, and the costs and expenses of installing the Infrastructure are \$1,000.00 per metered unit, the aggregate amount is \$100,000.00. After the deduction of the first \$1,000.00 as contemplated in subparagraph (a), above, Thomasville will be responsible for the first \$60,000.00 of the aggregate amount of \$100,000.00, and Developer will reimburse Thomasville for the balance, or \$39,000.00. Any such reimbursement will be made by Developer within thirty (30) days of the presentation to Developer by Thomasville of Thomasville's statement of costs and expenses for the installation of the Infrastructure as contemplated by this Agreement.

(c) In the event the costs and expenses of installing the Infrastructure as described above are less than \$600.00 per metered unit, Thomasville will be responsible for only the actual costs and expenses of the installation of the Infrastructure.

4. At no cost to Thomasville, Developer will provide, in form acceptable to Thomasville, all easements and rights of way for the areas to be served by the extension of electric utility service by Thomasville.

5. Upon completion of the extension of electric utility service by Thomasville to the Subdivision, all the Infrastructure shall remain the property of Thomasville, and Thomasville shall have all necessary rights of access for the maintenance and repair of such facilities.

6. Developer and Thomasville further stipulate and agree that, before the commencement of work by Thomasville to provide electric utility service to the Subdivision as contemplated by this Agreement, Developer will provide to Thomasville a Final Project Design which will be used by Thomasville for its planning and construction of the Infrastructure. Developer agrees that, once the Final Project Design for the Subdivision has been delivered to Thomasville, any cost or expense incurred by Thomasville because of any change to the Final Project Design will be borne by Developer. At Thomasville's option, before any further work is done by Thomasville with respect to the planning or installation of the Infrastructure for the Subdivision, Thomasville will submit to Developer a statement of projected costs and expenses brought about by any such change to the Final Project Design, and payment therefor will be made by Developer at the time of presentation of the statement. If, after completion of the construction of the Infrastructure, the total amount of the actual costs and expenses brought about by any change to the Final Project Design are less than that amount paid by the Developer to Thomasville for the projected costs and expenses, then Thomasville will reimburse Developer for the difference in the two amounts within thirty days after the completion of the installation of the Infrastructure by Thomasville. If the total amount of the actual costs and expenses brought about by any change to the Final Project Design is more than the projected amount paid by Developer, then following completion of the installation of the Infrastructure, Thomasville will submit to Developer a statement of such amount, which will be paid by Developer within thirty days thereafter. Otherwise, at the completion of installation of the Infrastructure for the Subdivision, Thomasville will submit to Developer a statement of actual costs and expenses brought about by any change to the Final Project Design, and payment therefor will be made by Developer within thirty (30) days of the presentation of the statement.

7. This Agreement shall be binding on the parties, their successors in interest and their assigns, including the owners of the metered units in the subdivision, once sales of the individual units are made.

8. This Agreement contains the entire understanding between the parties as to the matters described above, and there will be no change to the terms of this Agreement except in writing and signed by authorized representatives of both parties.

IN WITNESS WHEREOF, the parties to this Agreement have hereunto set their hands the date and year first written above.

CITY OF THOMASVILLE, GEORGIA

By: _____

Title

Developer

Appendix E

Thomasville Utilities Easement Form

