

NEW SERVICE – Residential

This Service Policy identifies the responsibility of the City of Piqua Municipal Power System (PMPS) and customers in providing materials and labor for electrical service to new or upgraded facilities. Per NEC all one- and two-family dwelling units must have an emergency disconnect for outside feeders. The customer has the responsibility to notify PMPS for review and approval of all plans for construction, concerning electric service, prior to commencing construction. PMPS reserves the right to not hook up services that do not meet requirements. All customer electrical installations or upgrades must be inspected and approved by a Piqua power member and Miami County's designated electrical inspector prior to the PMPS energizing the service. All fees must be paid and customer must be signed up for service. The following information is attached to the back of this packet to help provide a better understanding of the policies of PMPS:

- List of Approved Meter Sockets
- Service Specification Drawings
 - Assembly Guide of Service Mast Installation
 - Underground Pole to Home Installation
 - Underground Transformer to Home Installation
 - Underground Trench Details
- Zero Lot Line Service Requirements
- Condominium / Apartment Service Requirements

Temporary Service (Overhead)

After the customer has made a request for temp power, a representative of Piqua Power System will stake a location and mark it with orange ribbon. It shall be located within 70 feet of a power supply point. The customer will provide a minimum 4x4 wooden post set and braced properly and tall enough to meet NESC section 232 minimum ground clearance of the line at its lowest point. The post must have a panel or switch, grounded properly, and a meter base that passes local inspection. There should be 18 inches of loose end at the point of service attachment. PMPS will supply triplex wire from temp pole to power supply point, make connections at both ends, check voltage, and set meter.

Temporary Service – Underground

When temporary underground service is required, the customer must provide a minimum of a 4" x 4" wooden post set a minimum of 30" deep and a minimum of one (1) brace support. The post will be located within 24" of PMPS electrical supply (via pad mount transformer, secondary box, or wooden pole). The post must have a panel or switch, grounded properly, and a meter base that passes inspection. The meter base must have a conduit attached to the bottom that reaches 6" underground level and have enough wire past the end of it to make connections to power supply. The customer will provide a small trench to the bottom side of the transformer pad / secondary box or the base of a wooden pole. PMPS will make connections at power supply point, check voltage, and set meter.

Residential – Underground

If the customer desires the residential service to be underground and power is available from an existing transformer or power pole, the customer will be responsible for opening the necessary trench to a depth of 30 inches and install schedule 40 (schedule 80 under roadways and driveways) PVC conduit and approved fittings. The trench must be dug on a straight line from stake to spotted meter base as laid out by Piqua Power System representative with minor deviations in trench depth. It will be necessary to use long sweep (36 Inch radius) schedule 80 PVC elbows at each end of the trench. A PVC expansion joint will be installed below the meter base. A stout pulling string will need to be installed inside the conduit with its ends available at both ends of the conduit. Please refer to the attached spec sheet.

For a 200A installation use 2 1/2 inch conduit

For a 400A installation use 3 Inch conduit.

If the residential service is to be powered from an existing transformer, the customer needs to contact Piqua Power System before installing the conduit under the transformer. For the safety of the customer, a Utility employee will open the transformer and assist the customer with installing the conduit.

Residential – Overhead

You will need to have a representative from Piqua Power System determine the location of the meter center. At this time, you will be informed of any trees needing to be cut or pruned to provide a clear path for the service. Service lines should clear windows, doors, porches, fire escapes, etc. by a minimum of 3 feet measured horizontally. The center of the meter socket should be 4 to 6 feet above finished grade. Please refer to the attached spec sheet.

Primary Extensions – Underground

When secondary service is not available and extension of underground primary is required to serve the location, the customer or the developer shall meet with Piqua Power system representative before any construction begins. In addition, the customer will be responsible for opening and closing the necessary trench to a depth of 42 inches and installing schedule 40 (schedule 80 under roadways and driveways), 4 Inch conduit and long sweep schedule 80 elbows at each end of the trench. Any deviations in direction and/or evenness of bottom of trench should be minor to aid in the ease of pulling wire through the conduit. A stout string should be installed in the conduit with its ends available at each conduit stub-up. It will be the customers' responsibility to bury the provided transformer pedestal to the standards designated by Piqua Power System. A high voltage warning tape is to be installed as the trench is back filled and placed one foot minimum and two foot maximum above the primary conduit.

Please see attached spec sheets and service steps for more detail. If you have any questions contact Piqua Power Municipal System at (937) 778-2077 or email at kgrinstead@piquaoh.gov or jhuelskamp@piquaoh.gov .

Piqua Power System Approved Meter Sockets

As of 5/14/2025

Single Phase 120/240 Volt or 120/208 Volt - 200 Amp or less

All 120/208 Volt Require Ground fifth (5th) Terminal in 9 O'clock (9:00) Position

Milbank	Cat #U9551-RRL	Overhead / Underground
Siemens	Cat #40404-015	Overhead / Underground
Square D	Cat #UTH4213T	Overhead / Underground
Eaton	Cat #UTE5213CCH	Overhead / Underground

Single Phase 120/240 Volt or 120/208 Volt - 200 Amp

Meter Base and Main Disconnect Combo

All 120/208 Volt Require Ground fifth (5th) Terminal in 9 O'clock (9:00) Position

Milbank	Cat #U6281-XL-200-5T6-AMS	Overhead / Underground
Eaton	Cat #MBX816B200BTS	Overhead / Underground

Single Phase 120/240 Volt or 120/208 Volt - 320 Amp or less (400 Amp Service)

All 120/208 Volt Require Ground fifth (5th) Terminal in 9 O'clock (9:00) Position

Milbank	Cat #U4905-X	Overhead / Underground
Square D	Cat #1009788A	Overhead / Underground

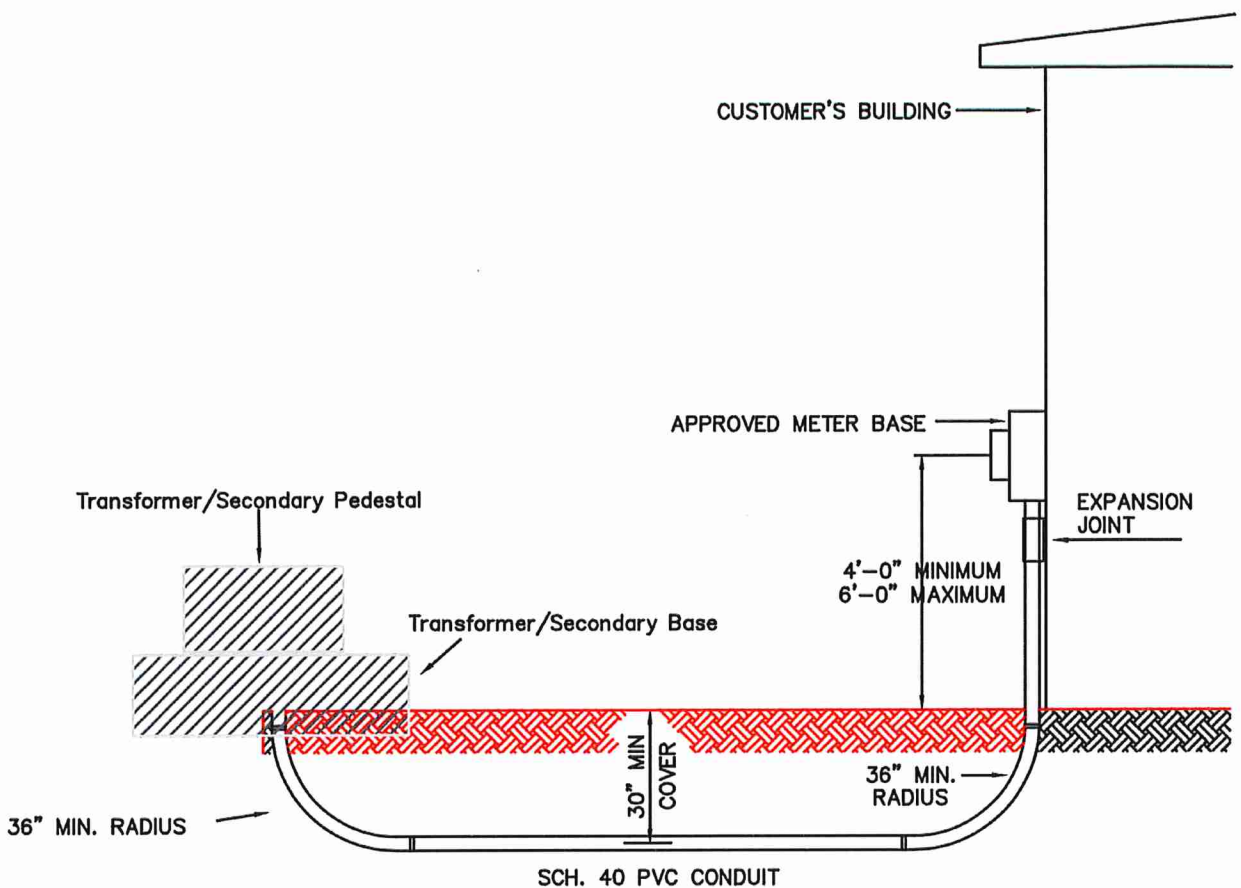
All 120/240 and 120/208 Two (2) Ganged or More Meter Bases Must Supply Make, Model, and/or Cat # to PMPS for Approval Prior to Installation and Must Include a Lever Bypass

All Three Phase Services 400 Amp and Under Meter Bases Must Supply Make, Model, and/or Cat # to PMPS for Approval Prior to Installation and Must Include a Lever Bypass

All Services Greater Than 400 Amp Will Require Current Transformer Metering. Current Transformers Supplied by PMPS. Meter Base Supplied by Customer.

Milbank Cat #UC-7461-RL-131
With Test Switch #TS10-0109 Wired to Milbank Wiring [Diagram J]

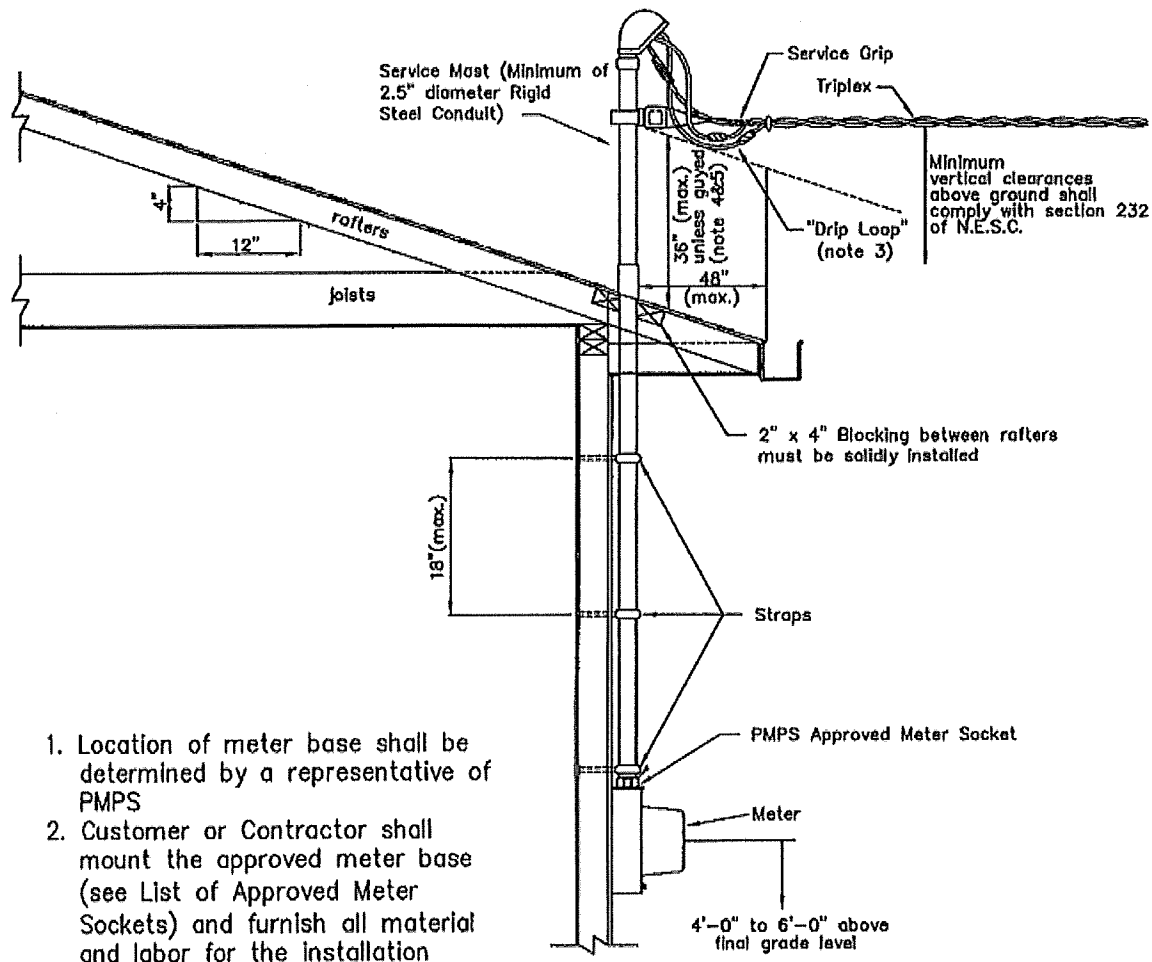
All dwellings with more than one meter socket must have corresponding addresses labeled on the front of the socket cover before service will be connected.



1. Location of meter base shall be determined by a representative of PMPS
2. Customer or Contractor shall mount the approved meter base (see List of Approved Meter Sockets) and furnish all material and labor for the installation beyond the "Point of Delivery"
3. Exposed service conductors shall have a clearance of not less than 3 feet from gas/propane installations and equipment.
4. Customer is required to install a Conduit System to PMPS specifications.
5. Meter base must be installed on the outside of the building and kept clear and accessible to PMPS employees at all times.
6. Installation must be approved and released by local regulatory agency before permanent connections.
7. See additional information about Zero Lot Line, Condominium and Apartment Service Requirements if applicable.

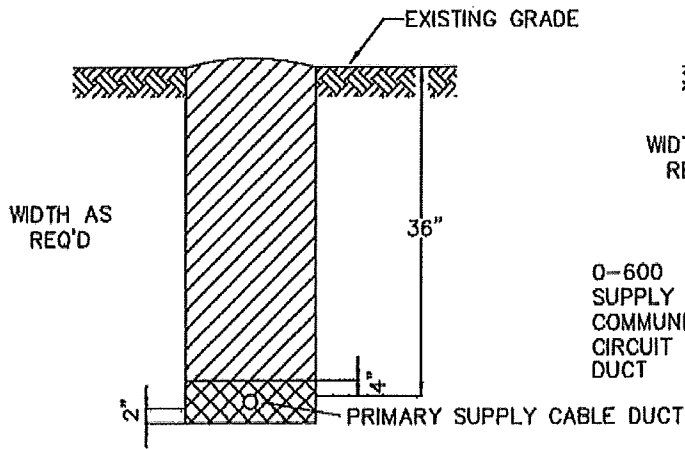
SERVICE ENTRANCE SIZE (AMPS)	CONDUIT SIZE	WIRE SIZE
200 AMPS	2 1/2"	#4/0
400 AMPS	3"	350 kcmil

PIQUA MUNICIPAL POWER SYSTEM			
TYPICAL SINGLE-PHASE SECONDARY URD SERVICE			
RUS EQUIVALENT: NONE			DWG. No. UM5-3
DATE	REVISION	DATE	

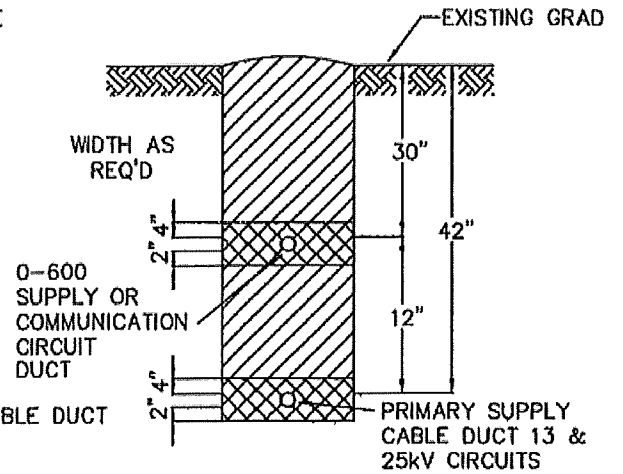


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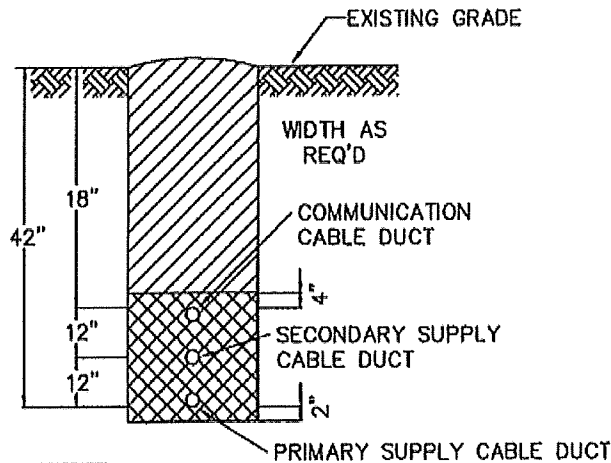
PIQUA MUNICIPAL POWER SYSTEM	
ASSEMBLY GUIDE OF SERVICE MAST INSTALLATION	
100 Amp, 200 Amp, 400 Amp	DWG






PRIMARY SUPPLY CABLE ONLY



PRIMARY SUPPLY AND SECONDARY SUPPLY OR COMMUNICATION CIRCUIT



-  UNDISTURBED EARTH
-  COMPACTED BACKFILL
-  SAND OR CLEAN SOIL

NOTES:

- 1- 12" spacing between cable circuits recommended in case of maintena and repair work.
- 2- Closer spacing is allowable under NESC Rule 320B provisions of exci when all parties agree.
- 3- In some cases where other suppor and utilities are involved, greater of burial is recommended.

PIQUA MUNICIPAL POWER SYSTEM

TYPICAL TRENCHES FOR BURIED CONDUITS

DW

ZERO LOT LINE SERVICE REQUIREMENTS

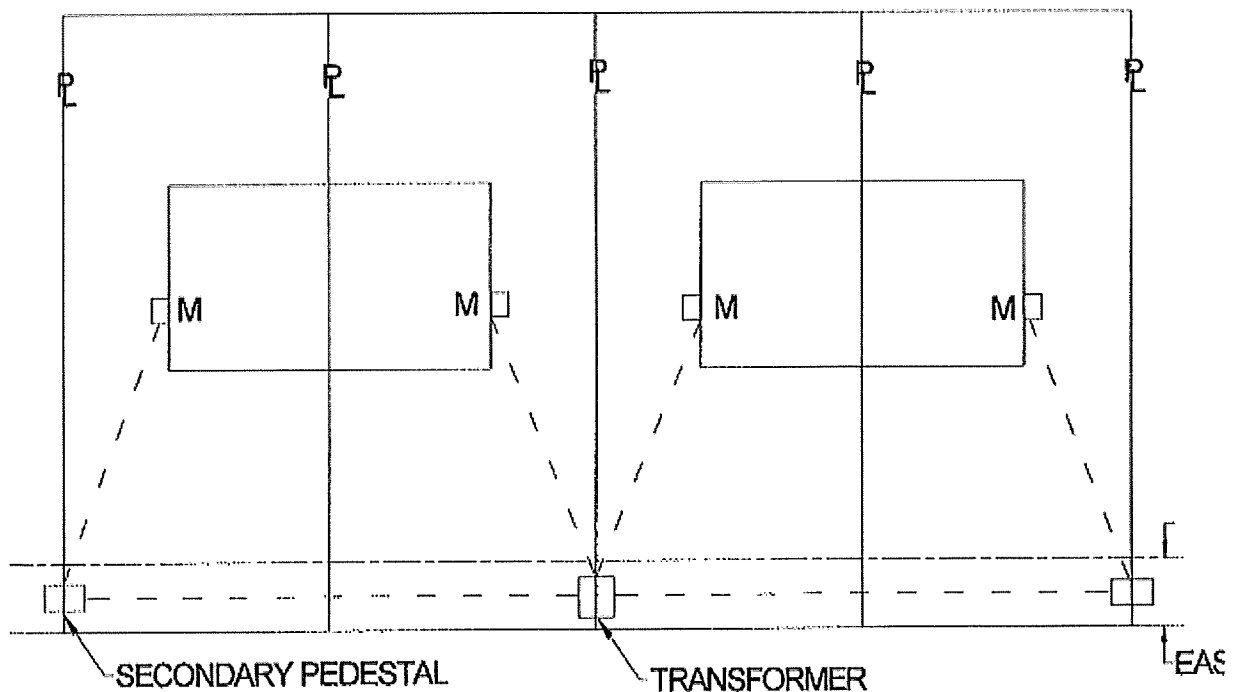
Definition:

The below installation specifications applies only to a zero-lot line two-unit Building. Any building that has three or more units or does not have a zero lot line designation is considered a Condominium/ Apartment Complex and will have different service requirements (see Condominium/Apartment Service Requirements).

Requirements:

1. The Customer is responsible to contact PMPS to spot the meter base location.
2. The Customer is required to follow the specifications found in the New Service Packet for underground installation.
3. PMPS shall supply and install the necessary conductors.
4. Connections at the meter socket will be done by the Customer.

Typical Installation Diagram



Questions? Please call 937-778-2077

CONDOMINIUM/APARTMENT SERVICE REQUIREMENTS

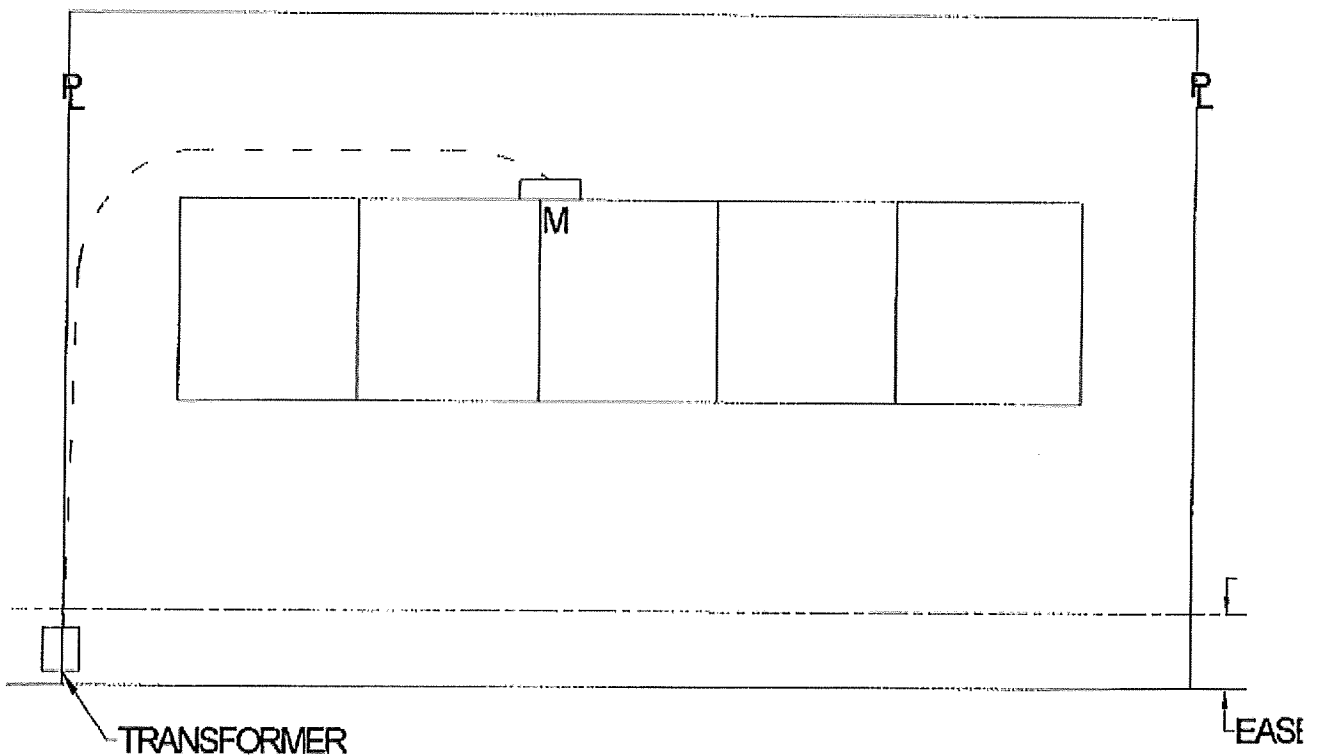
Definition:

The below Installation specifications applies to a three or more unit Building or a parcel that is not designated as zero lot lines.

Requirements:

1. The Customer is responsible to contact PMPS to spot the meter base location.
2. PMPS will provide customer with the requirements of an approved gang meter base.
3. The Customer is required to follow the specifications found in the New Service Packet for underground installation.
4. PMPS shall supply and install the necessary conductors.
5. Connections at the meter socket will be done by the Customer.

Typical Installation Diagram



Questions? Please call 937-778-2077