City of PIQUA

POWER SYSTEM

Applying For Underground or Overhead Service
Commercial / Industrial
(937) 778-2077

UNDERGROUND SERVICE – Commercial / Industrial

This Service Policy identifies the responsibility of the Piqua Municipal Power System [PMPS] and Customer in providing materials and labor for electric service to new or upgraded facilities. The customer has the responsibility to notify PMPS for review and approval of all plans for construction, concerning electric service, prior to commencing construction. The option for overhead or underground service will be determined by the PMPS. All customer electrical installations must be inspected and approved by PMPS and Miami County Electrical Inspector prior to PMPS energizing the service. All fees must be paid, and customer must be signed up for service. PMPS reserves the right to not hook up any service that does not meet requirements. 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
- Padmount Transformer Pad Specifications (Large & Small)

Temporary Service

The customer will need to contact the Piqua Power System to schedule a meeting to review the requirements necessary to set a temporary commercial service.

Commercial / Industrial

The customer will need to meet with a representative from Piqua Power System before installing any wiring or equipment, to discuss service arrangements and to have your meter base location spotted. This policy must be adhered to if the customer is to prevent veering unnecessary expense.

The customer is required to provide a concrete pad for the transformer and a meter box and current transformer cabinet (if required) all in accordance with specifications provided by the City and all to be installed at a location agreeable to the customer and the City. The customer is required to provide, in accordance with specification provided by the City, a trench, provide and install conduit and backfill the trench from a point designated by the City to the transformer and/or from the transformer to the customer service entrance (if required). The City will provide the cable and labor to install the primary cable (please see the Primary Extension section below for a detail description of the installation). The customer is required to provide

materials and labor for secondary cable installation from the transformer to the customer facilities. The City will make all connections to the transformer. The transformer is provided by and installed by the City, except for Primary Services where the customer provides and installs the transformer(s).

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 **36 or 42 inches** and installing **schedule 40 (schedule 80 under roadways), 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 cord** 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.

Voltage Available

The City will furnish only the following standard voltages and connections:

- Commercial and Light Industry (100 kW maximum demand)
    - Single phase and three phase 120/240 volts or 120/208 volts (if available)
- Commercial and Industrial (above 100 kW demand)
    - Three phase 4-wire grounded wye connected, 120/208 or 277/480 volts
- Primary Voltage services are available for large customers at 13.2 kV and 69 kV

If you have any questions contact Piqua Power System at (937) 778-2077 or email at kgrinstead@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

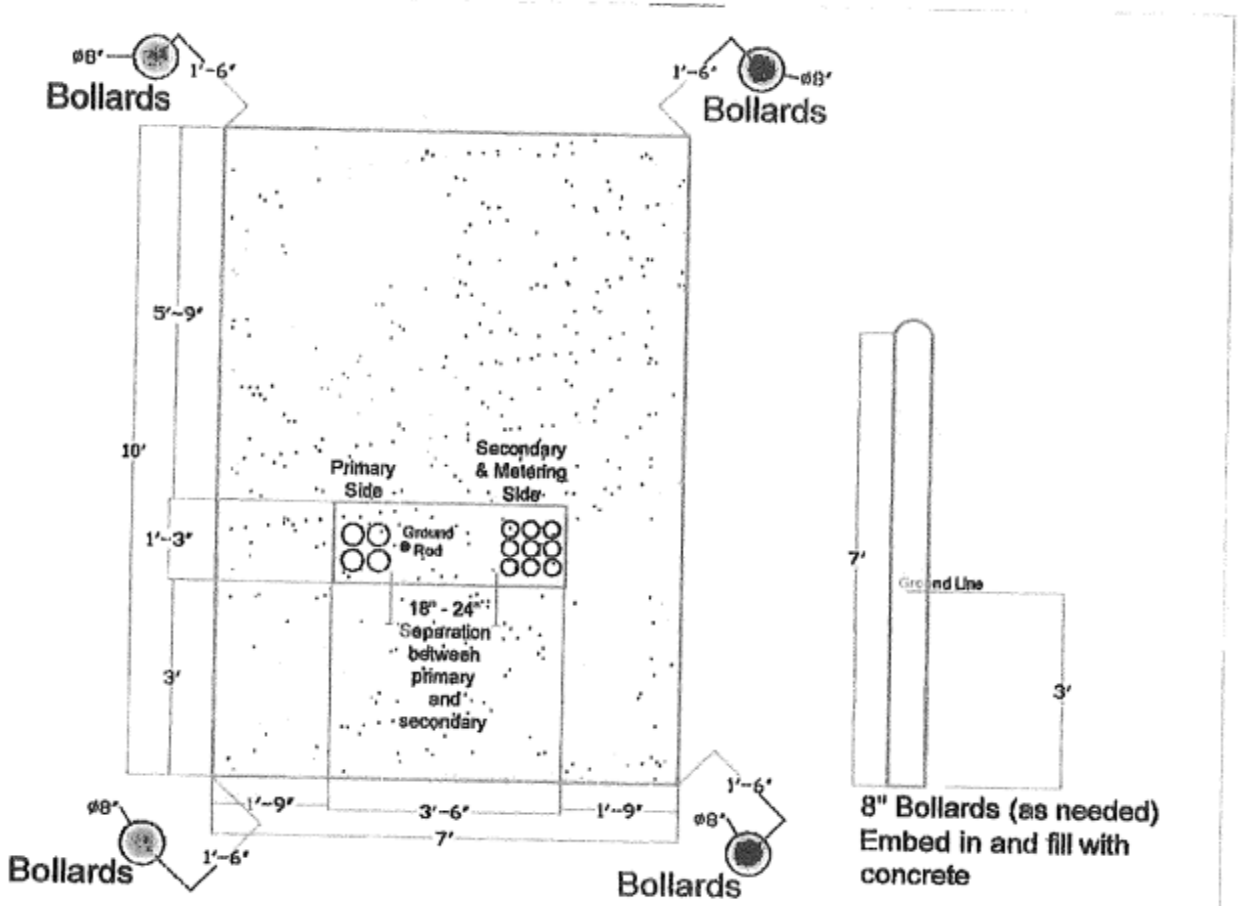
All 120/240 and 120/208 Two (2) Ganged or More Meter Bases Must Supply Make, Model, and/or Cat # to PMPS for Approval Prior to Installation and Must Include a Lever Bypass

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.



Primary: 3 - 4" PVC or 1 - 6" PVC (Supplied by Contractor)

Secondary: As needed (Supplied by Contractor)

Metering: 1" PVC (Supplied by City)

Ground Rod: 1 - 5/8" Rod (Supplied by City)

Meter Socket: Milbank Catalog #UC7461-RL-131 with Test Switch #TS10-0109 wired according to Milbank wiring diagram "J"

Notes:

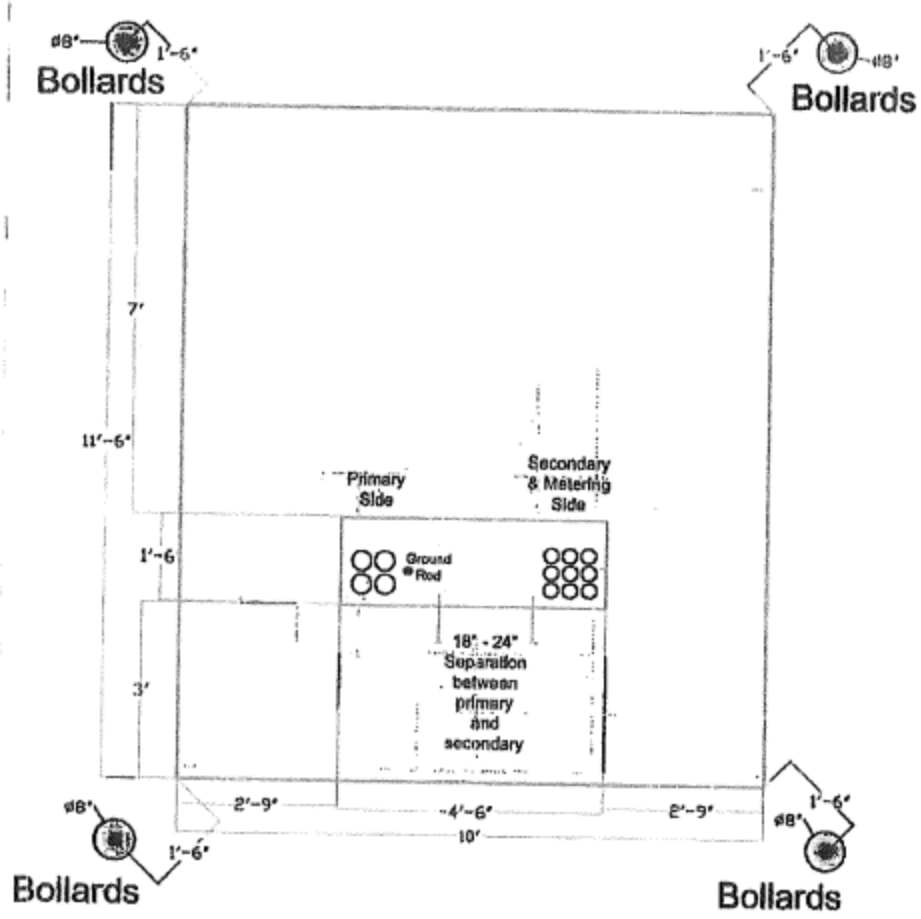
- Pad to be 6" of Class "C" concrete 4500#
- Pour on 4" base of compacted stone

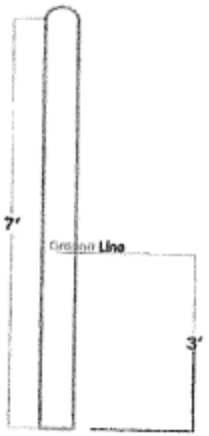
- The contractor is to supply all labor and materials (except as indicated) for transformer pad and protective equipment.

75 - 300 kVA Trans. Pad 3 Phase

Piqua Power System

SIZE	FSCM NO.	DWG NO.	REV
A			2/2/07
SCALE			SHEET





8" Bollards (as needed)
Embed in and fill with concrete

Primary: 3 - 4" PVC OR 1 - 6" PVC (Supplied by Contractor)

Secondary: As needed (Supplied by Contractor)

Metering: 1" PVC (Supplied by Contractor)

Ground Rod: 1 - 5/8" Rod (Supplied by City)

Meter Socket: Milbank Catalog #UC7461-RL-131 with Test Switch #TS10-0109 wired according to Milbank wiring diagram "J"

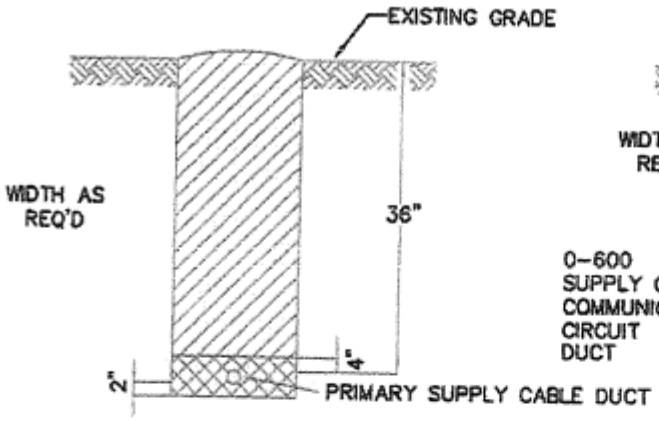
Notes:

- Pad to be 6" of Class "C" concrete 4500#
- Pour on 4" base of compacted stone
- Re-bar as shown - 1' spacing, both directions
- The contractor is to supply all labor and materials (except as indicated) for transformer pad and protective equipment.

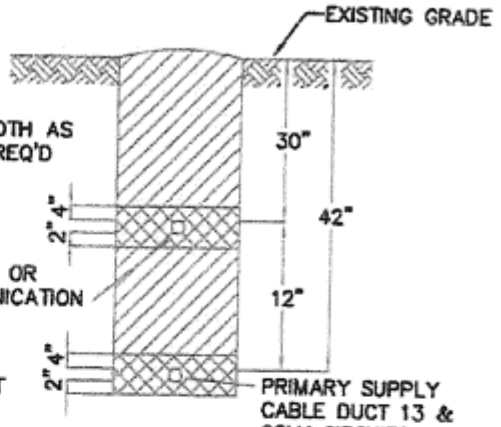
500 - 2500 kVA Trans. Pad 3 Phase

Piqua Power System

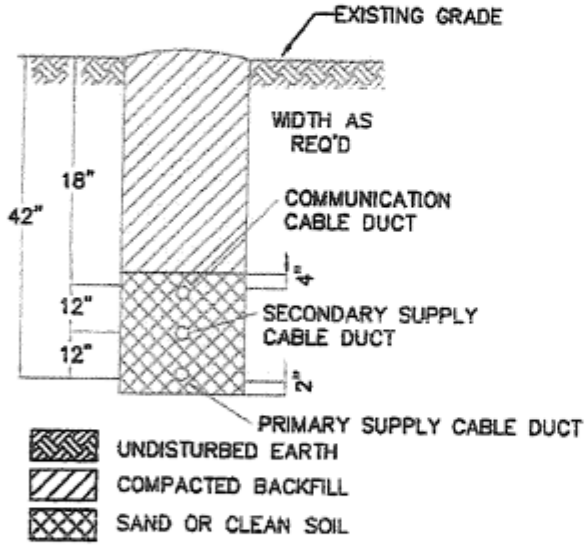
SIZE	FSCM NO.	DWG NO.	REV
A			2/2/07
SCALE		SHEET	



PRIMARY SUPPLY CABLE ONLY



PRIMARY SUPPLY AND SECONDARY SUPPLY OR COMMUNICATION CIRCUIT



NOTES:

1- 12" spacing between cable circuits recommended in case of maintenance and repair work.

2- Closer spacing is allowable under NESC Rule 320B provisions of exception when all parties agree.

3- In some cases where other supports and utilities are involved, greater depth of burial is recommended.

PIQUA MUNICIPAL POWER SYSTEM

TYPICAL TRENCHES FOR BURIED CONDUITS

DWG. No. UR2-DBD

DATE	REVISION	DATE	REVISION

UR2-DBD.dwg