

Transmission & Distribution
Material & Installation Specification

Primary Metering Enclosure Concrete Foundation-200A Max

I. Quantity

The base bid shall include the indicated number of Primary Metering Enclosure Concrete Foundation-200A Max as hereinafter specified.

II. Material

- A. The material shall be equal in quality, design, performance, and appearance to the items specified on drawing TDMIS-1010.
- B. Concrete shall be City of Columbus Class C, 3500 pounds minimum with 6% to 10% air. Pad shall be broom finish.
- C. Wire reinforcing mesh shall be 5"x5" square web #4 grade 60 steel.
- D. Compacted structural fill shall be place under pad to provide level firm base from the underside of concrete pad to undisturbed soil below.
- E. Each pad shall be provided with openings sized as shown to allow access of primary cables and metering wiring and/or conduits.

III. Installation

- A. The installation shall be as shown on drawing TDMIS-1010.
- B. The installation shall include removal of top soil and any organic materials down to subgrade. Subgrade shall be compacted with a motorized compactor to provide a solid level base. Add controlled density fill as required to establish proper pad elevation.

- C. Finished pad shall be installed level. When installed over a trench, the front side only shall be over the trench. Careful placement and positioning is required to remain within the available right of way or easement.
- D. When installed over concrete encased duct banks, the duct bank concrete shall extend vertically to and be tied in with bottom of concrete pad. Ties shall be 4 minimum, #6 rebar.

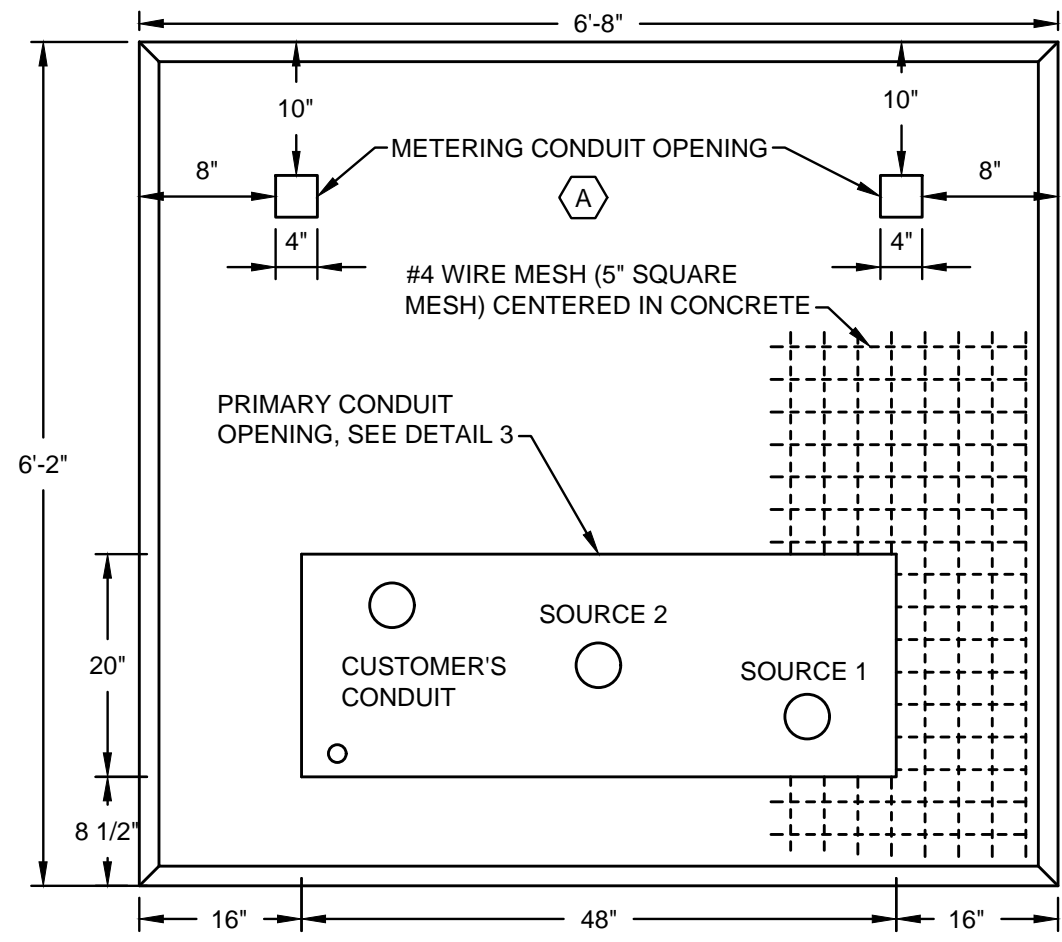
IV. Method of measurement

Shall include a pad and accessories, structural fill, labor, equipment, tools, supervision, and miscellaneous required for a complete and operational assembly.

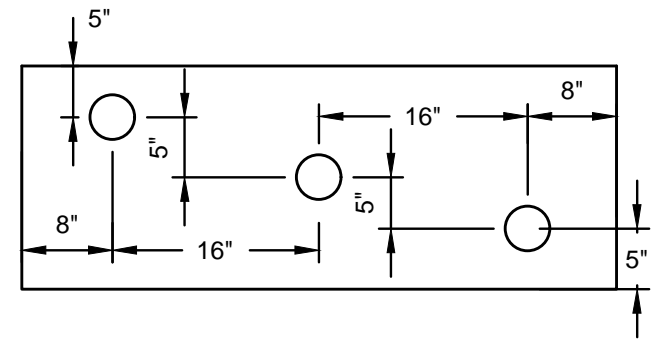
V. Basis of payment

| Items | Unit | Description |
|------------|------|---|
| TDMIS-1010 | Each | Primary Metering Enclosure Concrete Foundation 200A Max |

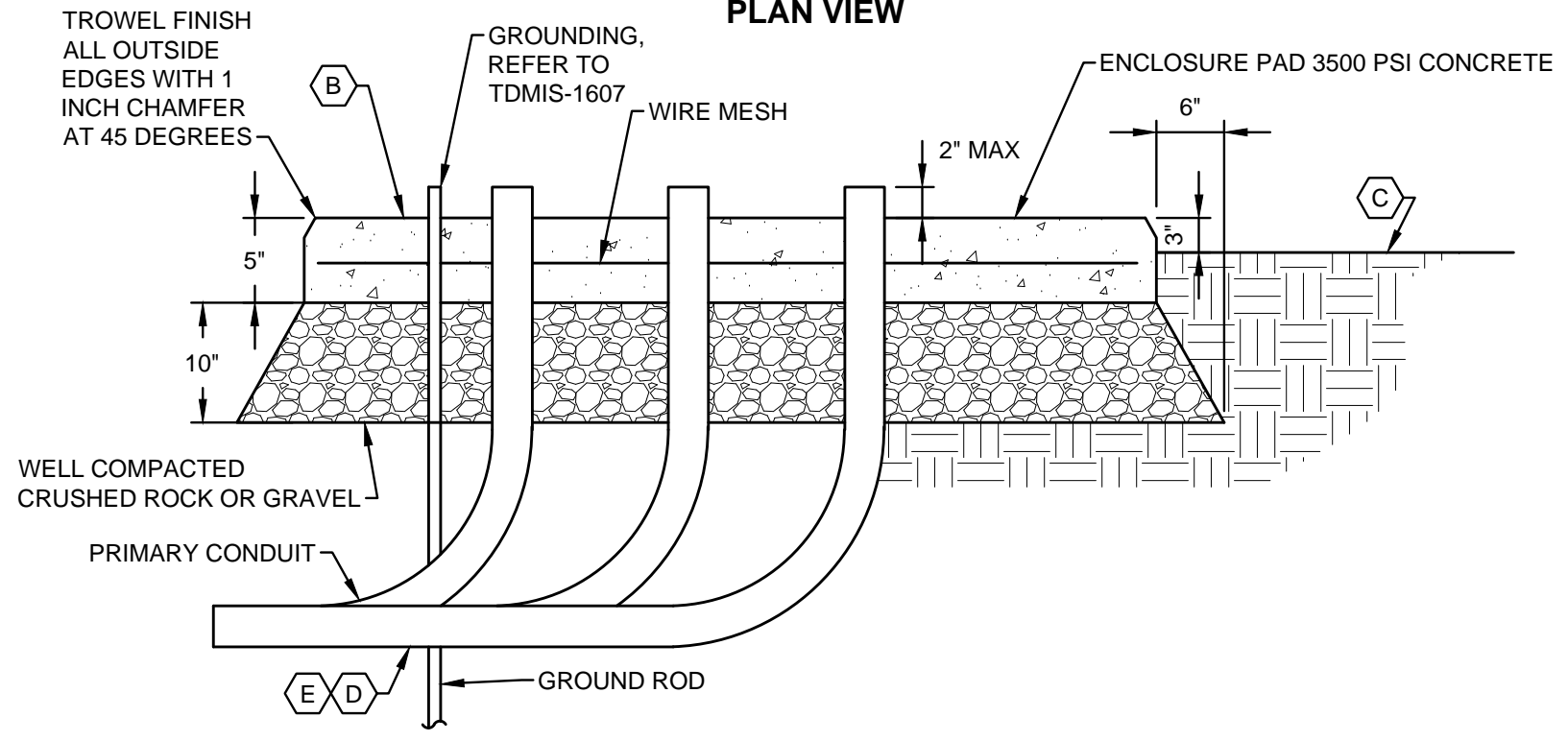
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|---|------------------|-------------------|
| CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER PRIMARY METERING ENCLOSURE CONCRETE FOUNDATION - 200A MAX | | |
| DRAWN BY: AEC | DATE: 01/01/2018 | TDMIS-1010 |
| APPROVED: R. SPRITE | | |
| | SHEET 1 of 2 | |



**DETAIL 1
PLAN VIEW**



**DETAIL 3
CONDUIT INSTALLATION**



**DETAIL 2
ELEVATION**

CODED NOTES:

- (A) THE NUMBER OF CONDUITS AND PLACEMENT TO BE DETERMINED BY ENGINEERING.
- (B) FINAL PAD INSTALLATION SHALL BE LEVEL AS MEASURED BY CARPENTER'S LEVEL FOR ALL DIRECTIONS.
- (C) FINAL GRADE SHALL BE ESTABLISHED BEFORE INSTALLATION OF PAD.
- (D) PRIMARY CONDUIT NUMBER, SIZE, LOCATION AND DIRECTION TO BE SPECIFIED BY ENGINEERING. CONDUIT CAN BE FLEXIBLE, OR SCHEDULE 40 PVC CONDUIT WITH 90 DEG, 36 INCH RADIUS BENDS TO AVOID DISTURBING THE GROUND UNDER THE REAR OF THE PAD AND TO MINIMIZE SETTLING. BRING CONDUITS TO THE FRONT OR SIDES WHENEVER POSSIBLE AND MARK THE CONDUIT END LOCATIONS.
- (E) BURIAL DEPTH IS DEFINED AS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE, CONDUIT, OR DUCT BANK ENCASEMENT. PRIMARY CABLES SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 3'-0". IT IS RECOMMENDED THAT PRIMARY CABLES MAINTAIN BURIAL DEPTHS OF 2'-6": THE INITIAL 3'-0" DEPTHS ARE TO ALLOW FOR CHANGES IN SURFACE CONDITIONS.

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|---|------------------|
| CITY OF COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER | |
| PRIMARY METERING ENCLOSURE CONCRETE FOUNDATION-200 AMP MAX | |
| DRAWN BY: AEC | DATE: 01/01/2018 |
| APPROVED: R. SPRITE | |
| SCALE: NTS | SHEET: 2 OF 2 |

TDMIS-1010