2" CONDUIT IN OPEN AREAS

I. Quantity

The base bid shall include the indicated number of feet of 2" conduit in open areas located as shown on the drawings.

II. Material

a. Conduit - The non-metallic conduit shall be schedule 40 polyvinyl chloride. It shall be designed to form a sound, strong duct, free from defects. It shall be non-magnetic, resistant to corrosive action, unaffected by electrolysis and shall not soften, deform or deteriorate when exposed to the maximum safe operating temperature of cables. The inside surface of the conduit shall be smooth, and round and shall have a 2" nominal inside diameter. The conduit shall be Carlon, Heritage, Cantex heavy wall PV-duit plus conduit or approved equal.

b. Couplings - The couplings shall be of the same material as the conduit, and shall be sufficiently tight to prevent silt or concrete from entering the conduit.

c. Spacers - Plastic base type for 2" conduit.

d. Underground Hazard Tape

The underground hazard tape shall be 3" wide red plastic with the black legend "CAUTION ELECTRIC LINE BURIED BELOW." The tape shall be manufactured by T & B Panduit, Terra Tape or approval equal.

III. Installation

a. The conduit shall be installed as shown on the detailed drawing 01S0014, of conduit "in open areas."

b. If the conduit is installed in an area to be paved, under a separate item of this or another contract, backfill shall be appropriate for the paving indicated. No other surface restoration will be required.

c. The trench shall be dug as indicated on the detailed drawings. The bottom of the trench shall be level and free of all stones and rocks. Excess material shall be disposed of by the Contractor as specified in Section 203.05 of the City of Columbus Construction and Materials Specifications.

d. The centerline of the conduit runs shall be 36" back of curb unless otherwise specified on the drawings or as indicated by the engineer.

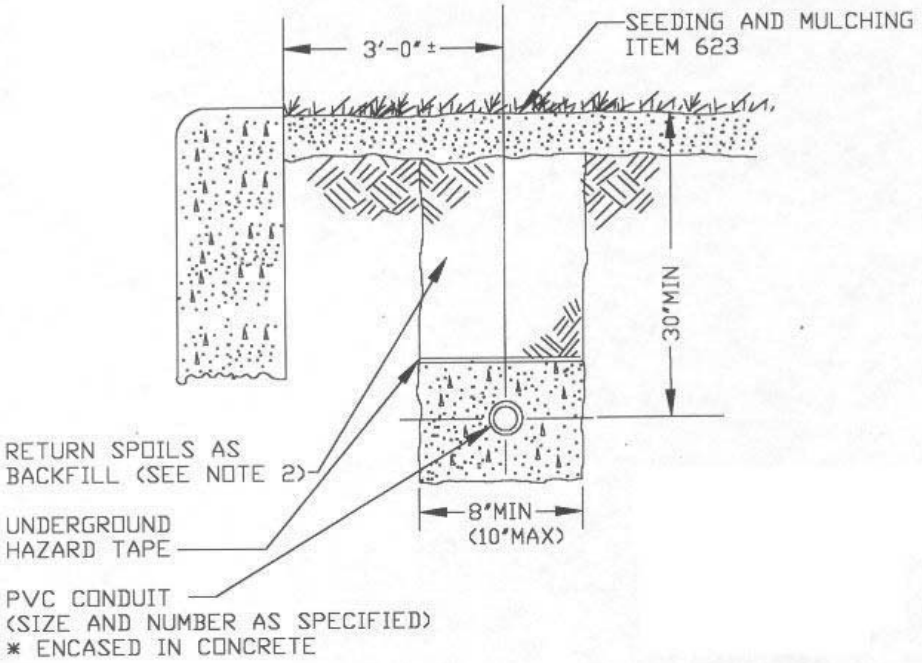
e. After the duct lines are installed, a flexible mandrel not less than 12" long, having a cross section approximately 1/4" less than the conduit shall be pulled through each conduit after which a stiff oversize wire brush shall be pulled through to make certain there are no particles left in the conduit.

f. Three spacers shall be installed under each 10' section of conduit. One in the middle and one on each end of the section to insure total encasement of the conduit.

g. Unless otherwise specified on the plan, on residential streets the trench may be backfilled with selected spoils around and in the first 4" above the top of the conduit. The spoils shall be free of rock and other solid pieces larger than 1/2."

IV. Quotation

The concrete encased 2" PVC conduits in open areas hereinbefore specified shall be quoted for as a unit price per lineal foot in the appropriate section of this document.



* IN RESIDENTIAL AREAS SELECTED SPOILS MAY BE USED IN PLACE OF CONCRETE.

NOTES

1. CONCRETE ENCASEMENT 3"MIN.(4"MAX.) ALL SIDES ITEM 499 CLASS C
2. THE BACKFILL SHALL BE POWER TAMPED IN LAYERS NOT EXCEEDING 4" IN THICKNESS LOOSE MEASUREMENT COMPLYING WITH SOIL DENSITY COMPACTION REQUIREMENTS UNDER ITEM 203.12
3. ITEM NUMBERS ARE FROM THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.

REVISIONS
11/02/84 8/17/99
6/27/90 01/20/10
9/19/91
11/3/92
7/5/94
7/7/94

MEL&P MUNICIPAL ELECTRIC LIGHT & POWER SYSTEM
CITY OF COLUMBUS, OHIO
DEPT. OF UTILITIES & AVIATION - DIV. OF ELECTRICITY

CONDUIT IN OPEN AREAS

SCALE NONE	DRAWN LSZ 7/83	DRAWING NO. 01S0014
C. O. NUMBER	APPROVED	SHEET OF