

TRENCHLESS INSTALLATION
2.5" RIGID NON-METALLIC CONDUIT, DRILLED UNDER PAVEMENT

I. Quantity

The base bid shall include the indicated number of feet of 2.5" rigid HDPE (High Density Polyethylene) conduit under pavement located as shown on the drawings.

II. Material

- a. Conduit Rigid – is title "Rigid Non-Metallic Continuous Length HDPE Conduit. Conduit shall be manufactured from high density polyethylene resin (HDPE), schedule 40, conforming to the requirements of UL 651 per ASTM D 2447. The conduit shall comply with NEMA TC 7 -2000 for type EPEC-40-HDPE. The conduit shall be PERMA-GUARD UL, HDPE conduit or approved equal.
- b. Conduit 1 ½" Cable-In-Duct - As specified in MIS-124.

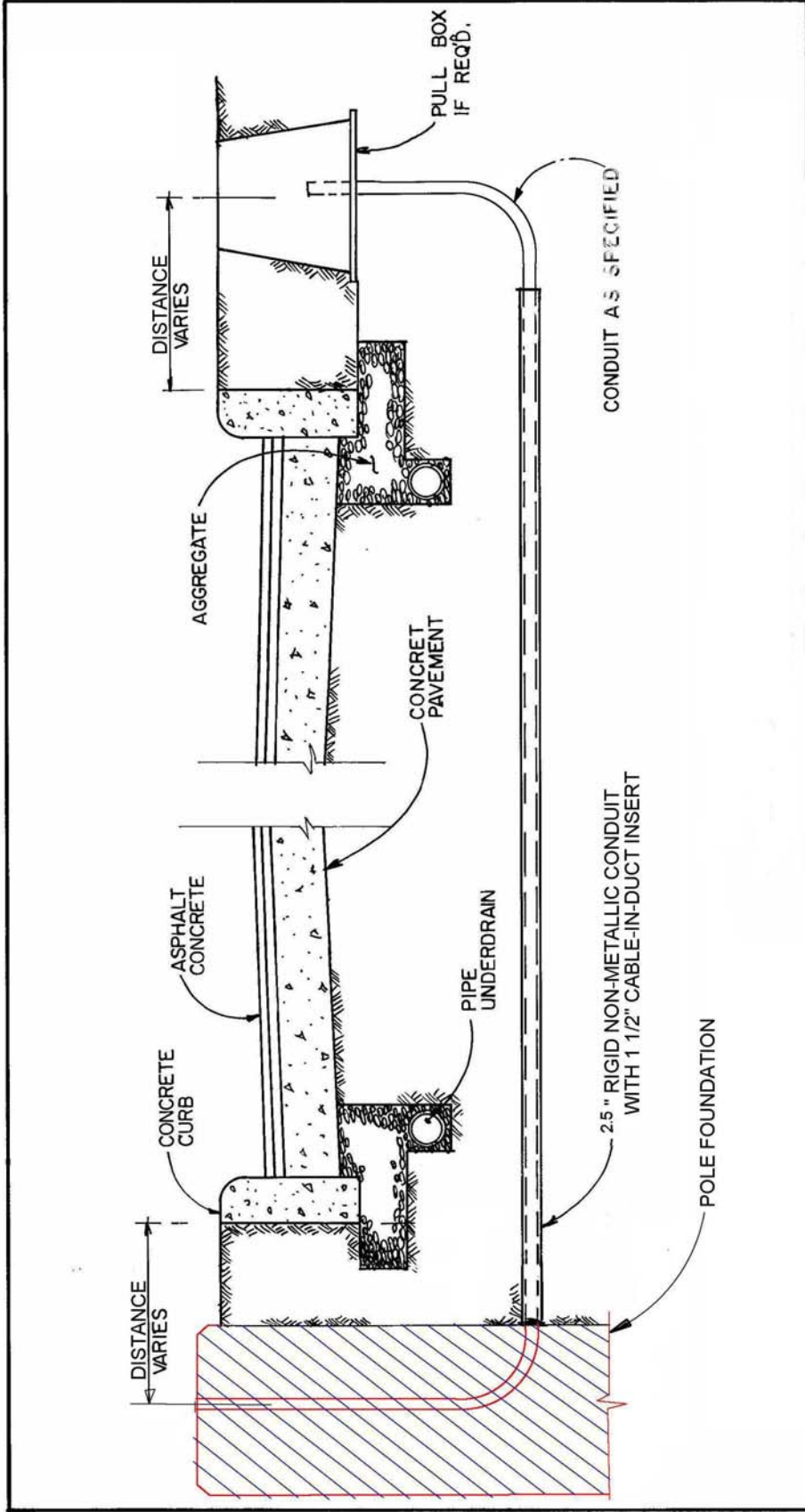
III. Installation

- a. The contractor shall place the drill with the least amount of disturbance to the existing pavement, berm pavement or shoulders of the roadway.
- b. The contractor shall exercise care not to damage the rigid conduit during installation. Damaged sections of conduit are not acceptable and shall have new conduit re-drilled. The conduit shall be a minimum 30" deep and extended at least 3' beyond the pavement berm.
- c. The 1 ½" Cable-in-duct shall be carefully inserted through the full length of the 2.5" conduit and be continuous throughout from pull box to pull box, or from pole to pull box.
- d. The cost for drilling conduit under pavement shall be quoted in a per foot basis, complete in place. Include in the unit price cost for both 2.5" rigid non-metallic conduit and 1½" cable-in-duct, excavation, granular and other backfill materials, compaction, disposal of surplus materials and restoration of disturbed facilities and surfaces to equal or better condition that existed prior to the work.
- e. Contractor may remove section of sidewalk from one side of the street for directional drilling where conduit crosses the street. The sidewalk shall be removed and replaced by the contractor in accordance with Item 608 of the City of Columbus, Construction and Material Specifications.
- f. The 2.5" rigid non-metallic conduit with 1 ½" Cable-in-duct insert shall be installed as shown on the detail drawings 01S0081A and 01S0085A.

IV. Quotation

V.

The 2.5" conduit jacket under pavement with insert herein specified shall be quoted on a unit price per foot in the appropriate place of this document.



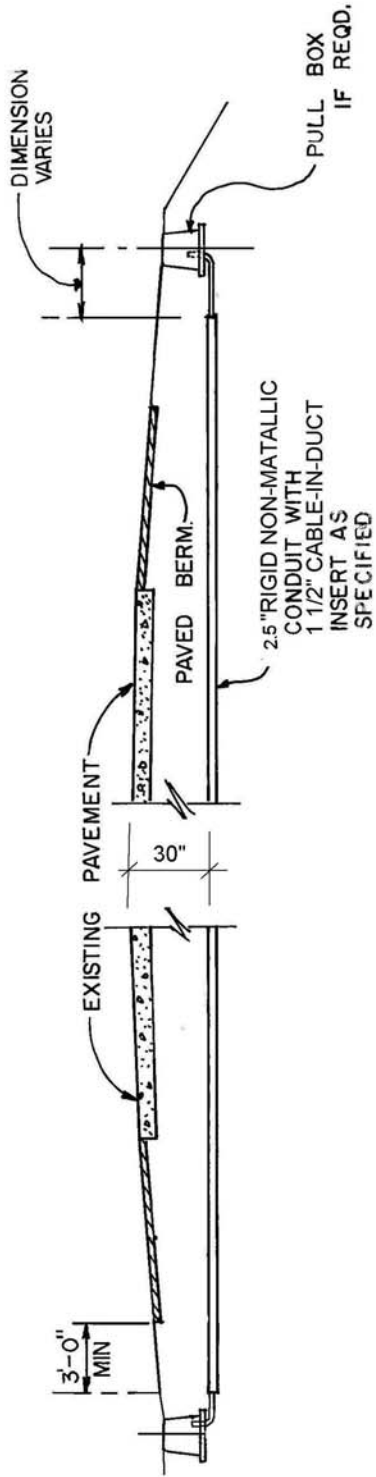
MELP MUNICIPAL ELECTRIC LIGHT & POWER SYSTEM
 CITY OF COLUMBUS, OHIO
 DEPT. OF PUBLIC SERVICE DIV. OF ELECTRICITY

2.5 HDPE CONDUIT DRILLED UNDER PAVEMENT (CURBED)

SCALE NONE DRAWN MO 04/06 DRAWING NO. O1 S 0081/A
 PROJECT NO. APPROVED SHEET 1 OF 1

REVISIONS	
05-09-05	
11-14-06	

1. CONDUIT TO PASS UNDER CURB DRAIN, EXACT ELEVATION MAY BE VARIED 130" MIN. - 48" MAX) TO AVOID THE UTILITIES WHICH EXIST IN STREET.
2. CONTRACTOR TO REPLACE, REPAIR AND REALIGN ANY CURB OR CURB DRAINS BROKEN, DISTRIBUTED OR REMOVED DURING INSTALLATION CONDUIT.



MEL&P

MUNICIPAL ELECTRIC LIGHT & POWER SYSTEM
 CITY OF COLUMBUS, OHIO
 DEPT. OF PUBLIC SERVICE DIV. OF ELECTRICITY

**2.5 HDPE DRILLED UNDER PAVEMENT
 (UNCURBED)**

REVISIONS	
05-09-05	
11-14-06	

SCALE NONE	DRAWN OM 12/87	DRAWING NO.
PROJECT NO.	APPROVED	OIS 0085A
		SHEET OF 1

