

2" CONDUIT UNDER DRIVEWAY

I. Quantity

The base bid shall include the indicated number of feet of 2" conduit 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 PVC-Conduit plus 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.

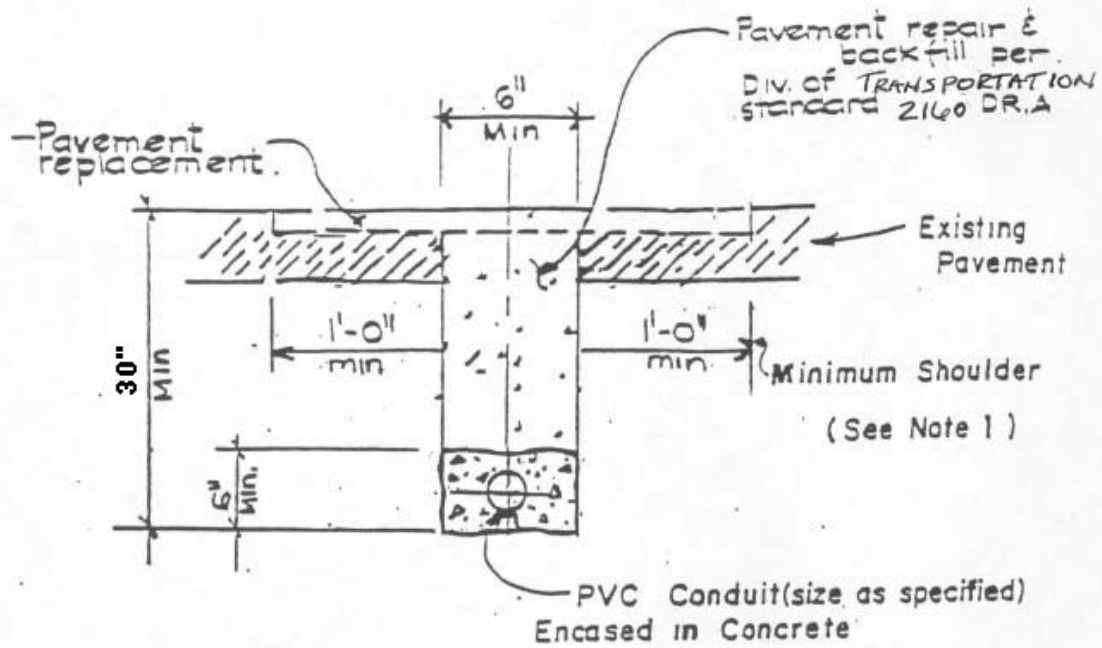
III. Installation DOE DWG. 01S0099

- a. The conduit shall be installed as shown on the detailed drawings of conduit "under driveway."
- 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 detail drawing. The bottom of the trench shall be level and free of all stones and rocks. Excess excavated material shall be disposed of by the contractor as specified in Section 203.05 of the City of Columbus construction and material specifications.
- d. The centerline of the conduit runs shall be 24" back of the house side face of the 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 section of conduit. One in the middle and one on each end of the section to insure total encasement of the conduit. If sand is used, the conduit shall be placed on a 2" cushion of sand.
- g. The driveway pavement replacement shall be constructed per Transportation drawing 2160 DR. A.

IV. Quotation

The concrete encased 2" PVC conduit under driveways hereinbefore specified shall be quoted for as a unit price per lineal foot in the appropriate place of this document.



NOTES

- 1.) CONCRETE ENCASUREMENT. 2" MIN. ALL SIDES ITEM 899 CLASS C.
- 2.) ITEM NUMBERS ARE FROM THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.

5/90

REVISIONS

MELP

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

CONDUIT UNDER -DRIVEWAY-

SCALE NONE

DRAWN LSZ 7/83

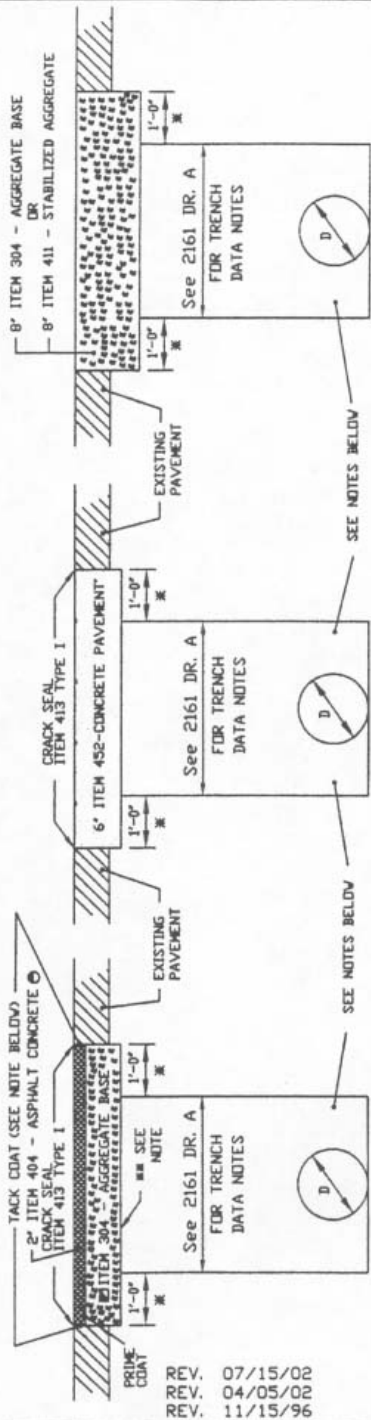
DRAWING NO.

PROJECT NO.

APPROVED CAB 8/83

0150099

SHEET 1 OF 1



REV. 07/15/02
 REV. 04/05/02
 REV. 11/15/96

- 2" - DRIVEWAYS (RES.)
- 3" - DRIVEWAYS (CONHD)
- 6" - DRIVEWAYS (RES.)
- 8" - DRIVEWAYS (CONHD)

TYPE III C
 FOR GRAVEL

TYPE III B
 FOR CONCRETE

TYPE III A
 FOR ASPHALT

SEE NOTES BELOW

SEE NOTES BELOW

SEE NOTE BELOW

APPROVED:

[Signature]
 CITY ENGINEER

DATE

2160 DR. A

* IF CONTROLLED DENSITY FILL IS USED TO THE TOP OF TRENCH, THE 12" BENCH WILL NOT BE REQUIRED.

** TYPE III A-FLEXIBLE, ITEM 304, AGGREGATE BASE SHALL BE ELIMINATED WHEN CONTROLLED DENSITY FILL IS USED FOR COMPACTED BACKFILL. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS. BACKFILL OF ALL TRENCHES SHALL BE IN ACCORDANCE WITH SECTION 911. PERMANENT REPAVEMENT SHALL NOT BE DONE UNTIL SO ORDERED BY THE ENGINEER. THE EDGE SHALL BE CUT VERTICAL AND TRIMMED TO PROVIDE A STRAIGHT LINE. ALTERNATE BACKFILL-CONTROLLED DENSITY FILL WITH A MINIMUM DENSITY OF 125 LBS./CU. FT. CONSISTING OF A CEMENTITIOUS MATERIAL, OR COMPACTED AGGREGATE BACKFILL AS PER ITEM 912. TACK COAT, ITEM 407 BITUMINOUS MATERIAL, 702.02, RC-70, RC-250 OR 702.04, RS-1, RS-2 DR MS-2, APPLIED AT A RATE OF 0.1 GAL. PER SQ. YD. JOINT SEALER SHALL MEET THE REQUIREMENTS OF ITEM 413 TYPE I.

CITY OF COLUMBUS, OHIO
 DEPARTMENT OF PUBLIC SERVICE
 TRANSPORTATION DIVISION

PAVEMENT REPLACEMENT
 (DRIVEWAYS)