

**I. MATERIALS**

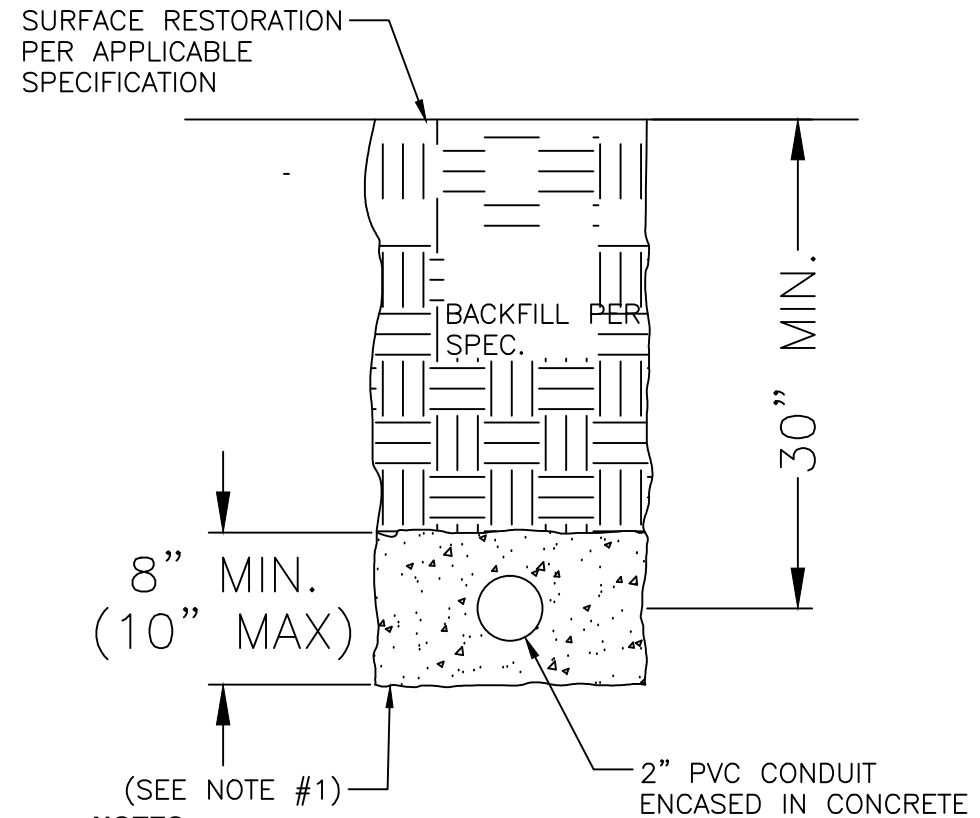
- A. THE NON-METALLIC CONDUIT SHALL BE SCHEDULE 40 POLYVINYL CHLORIDE. IT SHALL BE DESIGNED TO FORM A SOUND, STRONG DUCT, FREE FROM DEFECTS. IT SHALL BE NON-MAGNETIC, RESISTANT TO CORROSIVE ACTION, UNAFFECTED BY ELECTROLYSIS AND SHALL NOT SOFTEN, DEFORM OR DETERIORATE WHEN EXPOSED TO THE MAXIMUM SAFE 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. 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 SHALL BE PLASTIC BASE TYPE FOR 2" CONDUIT.

**II. INSTALLATION**

- A. THE CONDUIT SHALL BE INSTALLED AS SHOWN.
- 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 SHOWN. 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 THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- D. THE CENTERLINE OF THE CONDUIT RUNS SHALL BE 3' FROM THE BACK OF THE OF THE CURB UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS OR 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. IF SAND IS USED, THE CONDUIT SHALL BE PLACED ON A 2" CUSHION OF SAND.

**III. BASIS OF PAYMENT**

| ITEM    | UNIT        | DESCRIPTION                  |
|---------|-------------|------------------------------|
| MIS-700 | LINEAR FOOT | 2" CONDUIT, CONCRETE ENCASED |



**NOTES:**

1. CONCRETE ENCASEMENT 3" MIN. (4" MAX) ALL SIDES ITEM 499 CLASS C CONCRETE.
2. CONDUIT TO PASS UNDER CURBS AND SUB-DRAINS.
3. REFER TO CITY OF COLUMBUS, DEPARTMENT OF PUBLIC SERVICE STD DWG 1441 OR 2160 FOR PAVEMENT & UTILITY REPAIR

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|----------------|--|----------------|--|
| <b>MIS-700</b> | DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER<br>CITY OF COLUMBUS, OHIO |                |  |
|                | <b>2" CONDUIT, CONCRETE ENCASED</b>  |                |  |
|                | DRAWN BY: BEN  | DATE: 1/1/2018 |  |
|                | APPROVED: <i>Amy R. Wilfong</i>  |                |  |
| SCALE: NONE    | SHEET: 1 OF 1  | 700            |  |