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 HEAVY WALL PV–DUIT PLUS OR AN APPROVED EQUAL.

B. THE REPAIR COUPLINGS SHALL BE CARLON #E948JR, AND SHALL BE SUFFICIENTLY TIGHT TO PREVENT SILT OR CONCRETE FROM ENTERING THE CONDUIT.

C. SPACERS SHALL BE PLASTIC BASE TYPE FOR 2" CONDUIT.

D. THE PVC CEMENT SHALL BE RECTORSEAL 633L (OR APPROVED EQUAL) LOW VOC CLEAR PVC CEMENT FOR USE WITH SCHEDULE 40 PVC CONDUIT.

II. INSTALLATION

A. IF THE EXISTING CONDUIT IS BROKEN DOWN AND THE NEW CIRCUIT CANNOT BE INSTALLED, THE CONTRACTOR SHALL LOCATE AND REPAIR THE DAMAGED CONDUIT.

THE DAMAGED SECTION OF CONDUIT SHALL BE REMOVED AND REPLACED WITH A NEW PIECE OF CONDUIT AS SHOWN.

B. AFTER REMOVAL OF THE DAMAGED SECTION OF CONDUIT, THE REMAINING CONCRETE ENVELOPE SHALL BE CHIPPED AWAY TO EXPOSE 3" OF SOLID CONDUIT AT EACH END.

C. INSTALL REPAIR COUPLING AND CONDUIT AS SHOWN.

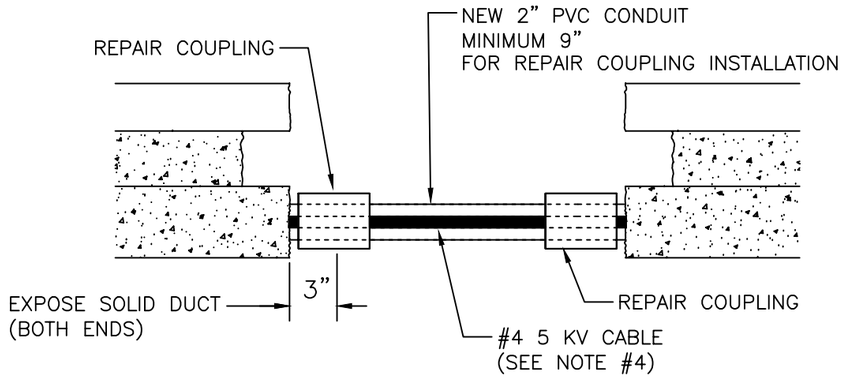
D. CONCRETE ENVELOPE, BACKFILL, AND RESTORATION SHALL BE AS SHOWN.

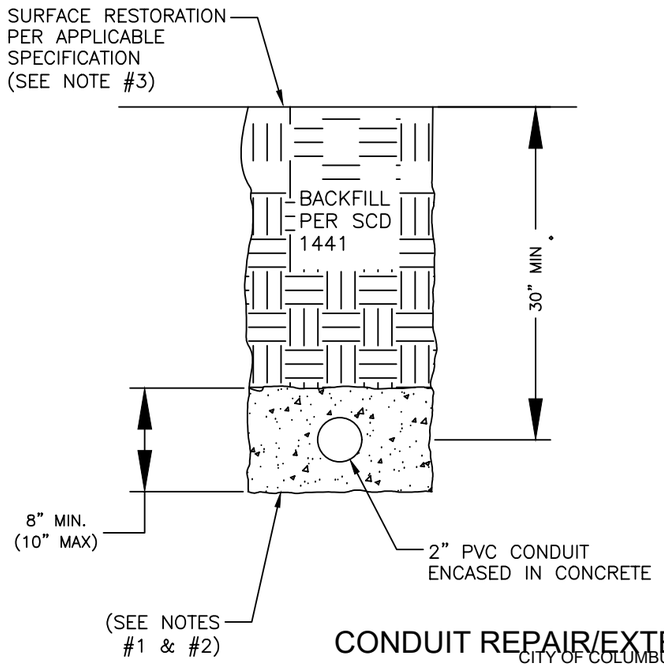
III. BASIS OF PAYMENT

ITEM	UNIT	DESCRIPTION
MIS–706	LINEAR FOOT	CONDUIT REPAIR/EXTENSION, CONDUCTORS REPLACED

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
4. # 4 AWG 5KV CABLE TO BE REPLACED UNDER MIS–403 OR MIS–404 (PAID SEPARATELY) AS APPROPRIATE.





CONDUIT REPAIR/EXTENSION

CITY OF COLUMBUS, OHIO

DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER

MIS-706

CONDUCTORS REPLACED

DR- N BY: S-	D-TE: 10/25/24	
SC-LE: NONE	SHEET: 1 OF 1	706