

**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 LOW VOC PVC CEMENT 633L CLEAR CEMENT FOR USE WITH SCHEDULE 40 PVC CONDUIT AND SHALL BE RECTORSEAL # 55985.

**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 DUCT.

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

- B. AFTER REMOVAL OF THE DAMAGED SECTION OF DUCT THE REMAINING CONCRETE ENVELOPE SHALL BE CHIPPED AWAY TO EXPOSE 3" OF SOLID DUCT AT EACH END. ON ONE END OF THE NEW DUCT A SOLID COUPLING SHALL BE USED. ON THE OTHER END SPLIT COUPLING SHALL BE USED.

THE REPAIR COUPLING SHALL BE TAPED IN PLACE IN SUCH A MANNER TO ASSURE CONCRETE DOES NOT SEEP INTO DUCT RUN.

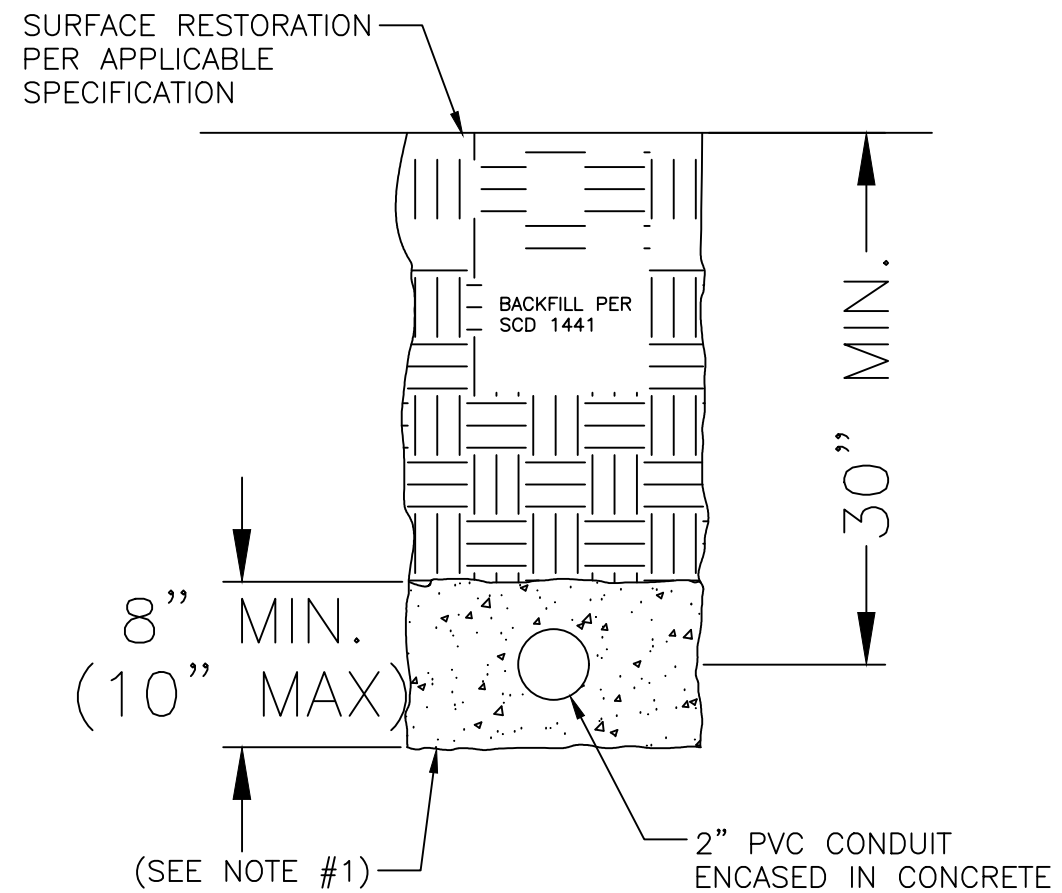
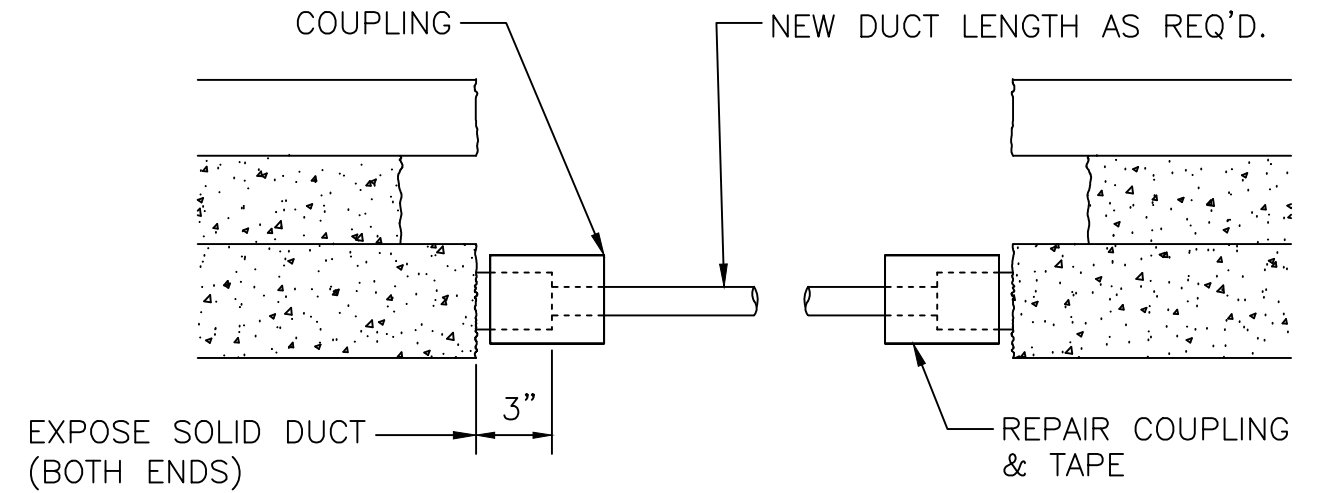
- C. CONCRETE ENVELOPE, BACKFILL, AND RESTORATION SHALL BE AS SHOWN.

**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



<b>MIS-706</b>	DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER CITY OF COLUMBUS, OHIO		
	<b>CONDUIT REPAIR/EXTENSION CONDUCTORS REPLACED</b>		
	DRAWN BY: SAW	DATE: 1/1/24	
	SCALE: NONE	SHEET: 1 OF 1	706