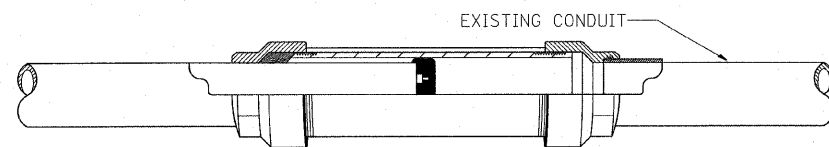


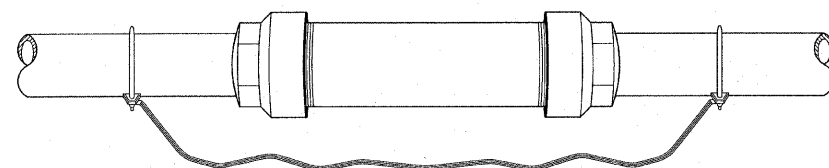
MATERIALS:
 CLAMPS: MALLEABLE OR DUCTILE IRON.
 U-BOLTS: STEEL.
 BRAIDS: TINNED COPPER.

FINISH:
 CLAMPS AND U-BOLTS ARE HOT DIP GALVANIZED.

GROUNDING & BONDING JUMPERS FOR RIGID STEEL, IMC & EMT



CROSS SECTION

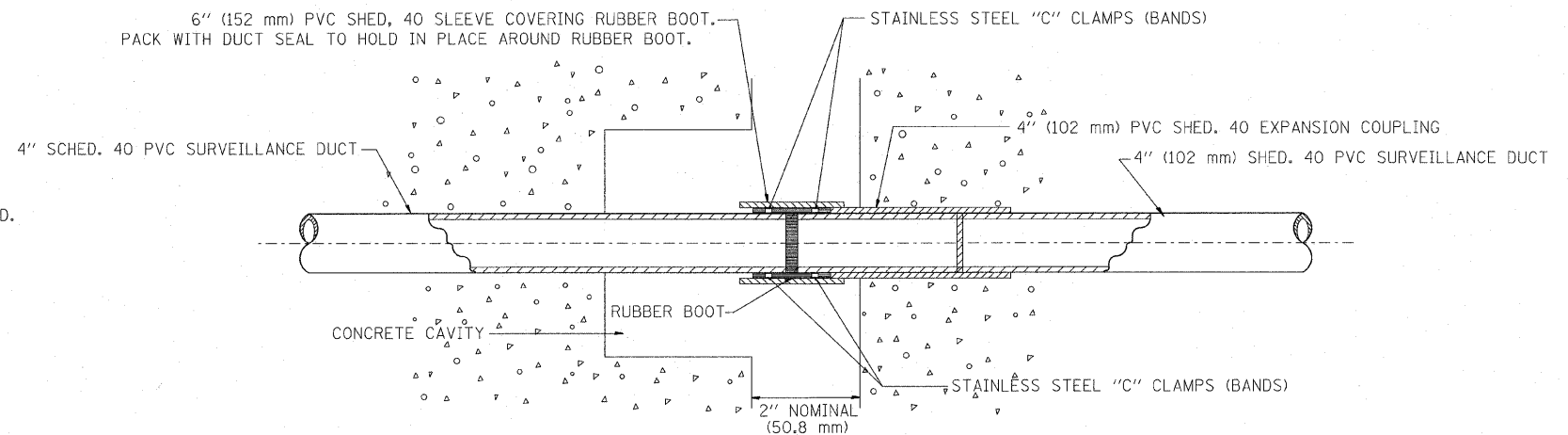


BONDING

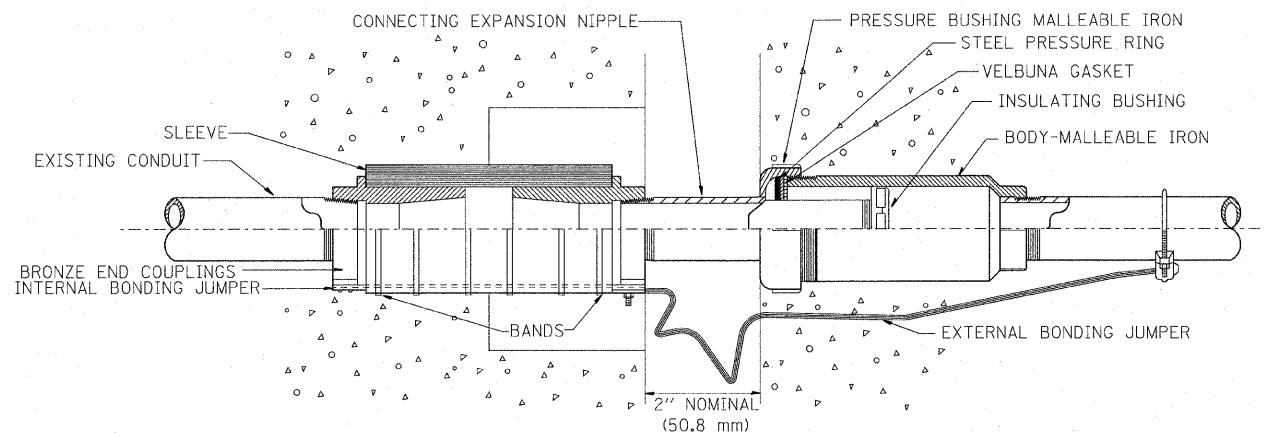
EXPANSION FITTINGS

MATERIALS:
 HEAD: MALLEABLE OR DUCTILE IRON.
 SLEEVE: STEEL.
 INSULATING BUSHING: PHENOLIC.

FINISH:
 HOT DIP GALVANIZED.



EXPANSION/DEFLECTION FITTING



COMBINATION DEFLECTION/EXPANSION FITTINGS FOR RIGID METAL CONDUIT & IMC

FITTING CAN BE USED EXPOSED OR EMBEDDED IN CONCRETE.

MATERIALS:
 SLEEVE: NEOPRENE.
 END COUPLINGS: BRONZE.
 BONDING JUMPER: TINNED COPPER BRAIDS.
 BANDS: STAINLESS STEEL.

FINISH:
 ALL MALLEABLE, DUCTILE IRON OR STEEL PARTS
 ARE HOT DIP GALVANIZED.

FILE NAME = C:\d106010\155TCTYP.DGN	USER NAME = rdahan	DESIGNED - R.L.	REVISED - 03/99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	EXPANSION FITTING DETAIL SHEET		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\P-07-1600-11\Gen\180\NAPERVTYP.dgn		DRAWN - G.M.	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO.		74	56
		CHECKED - R.L.	REVISED -					ILLINOIS FED. AID PROJECT			
		DATE - 01/22/98	REVISED -								