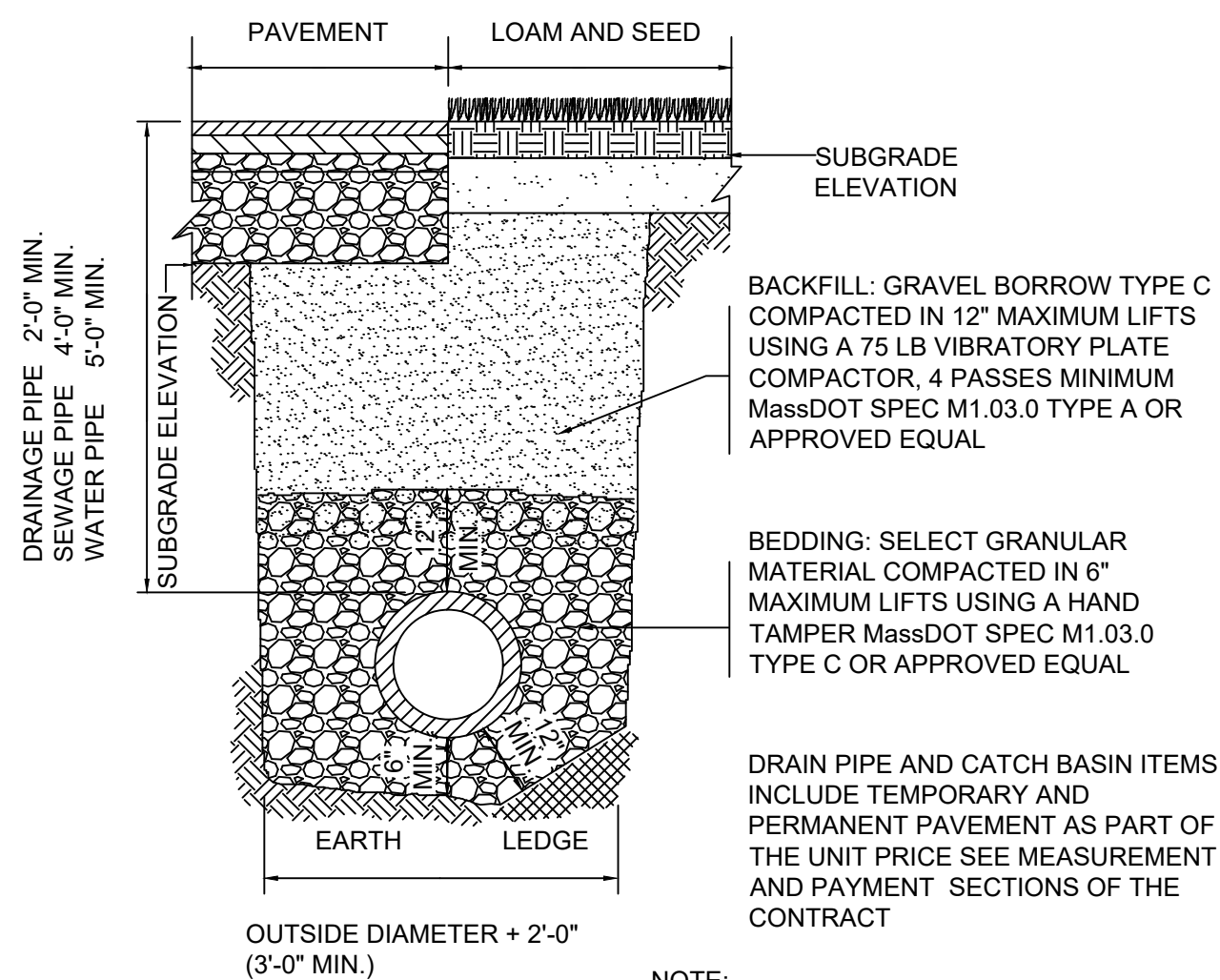
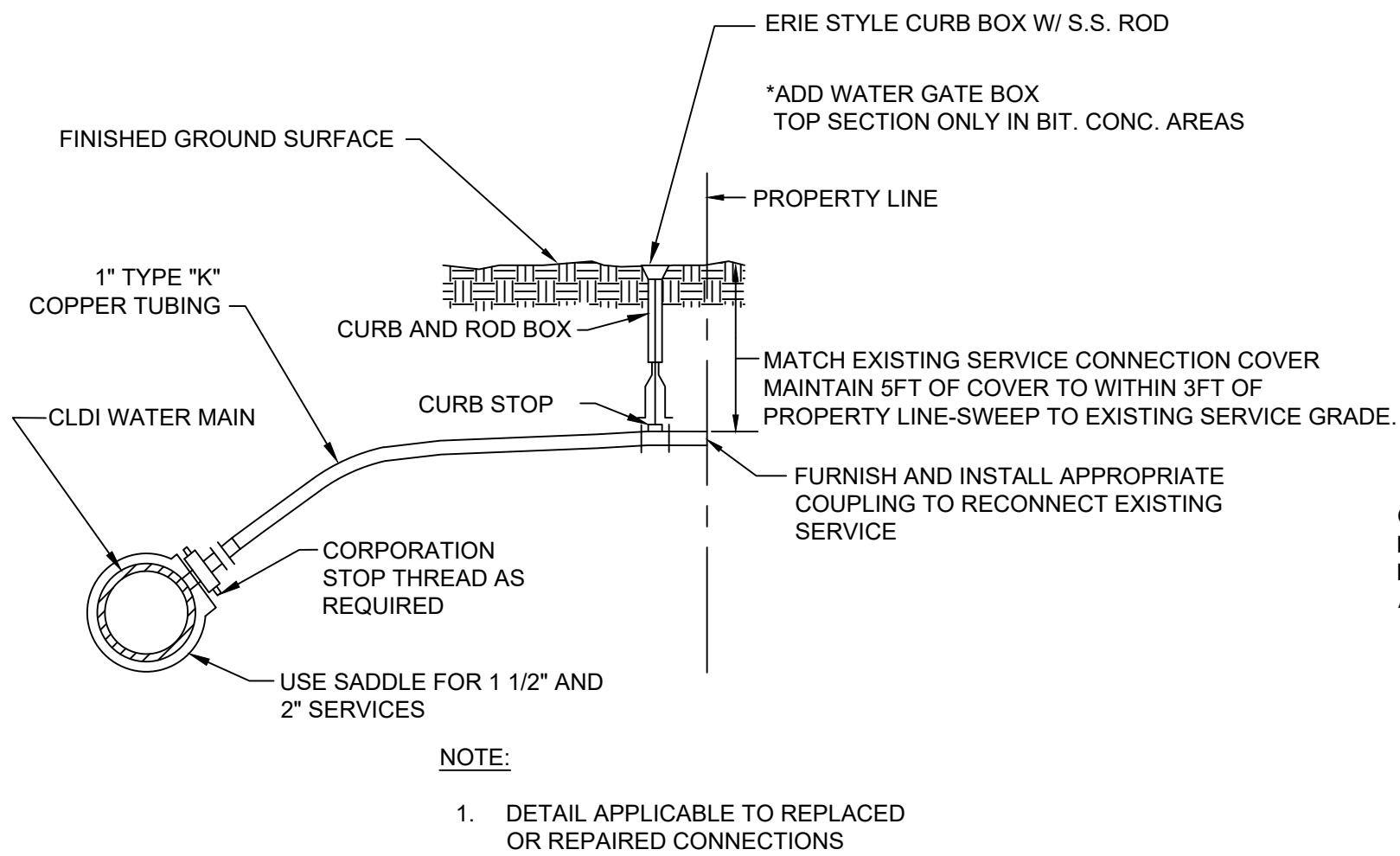


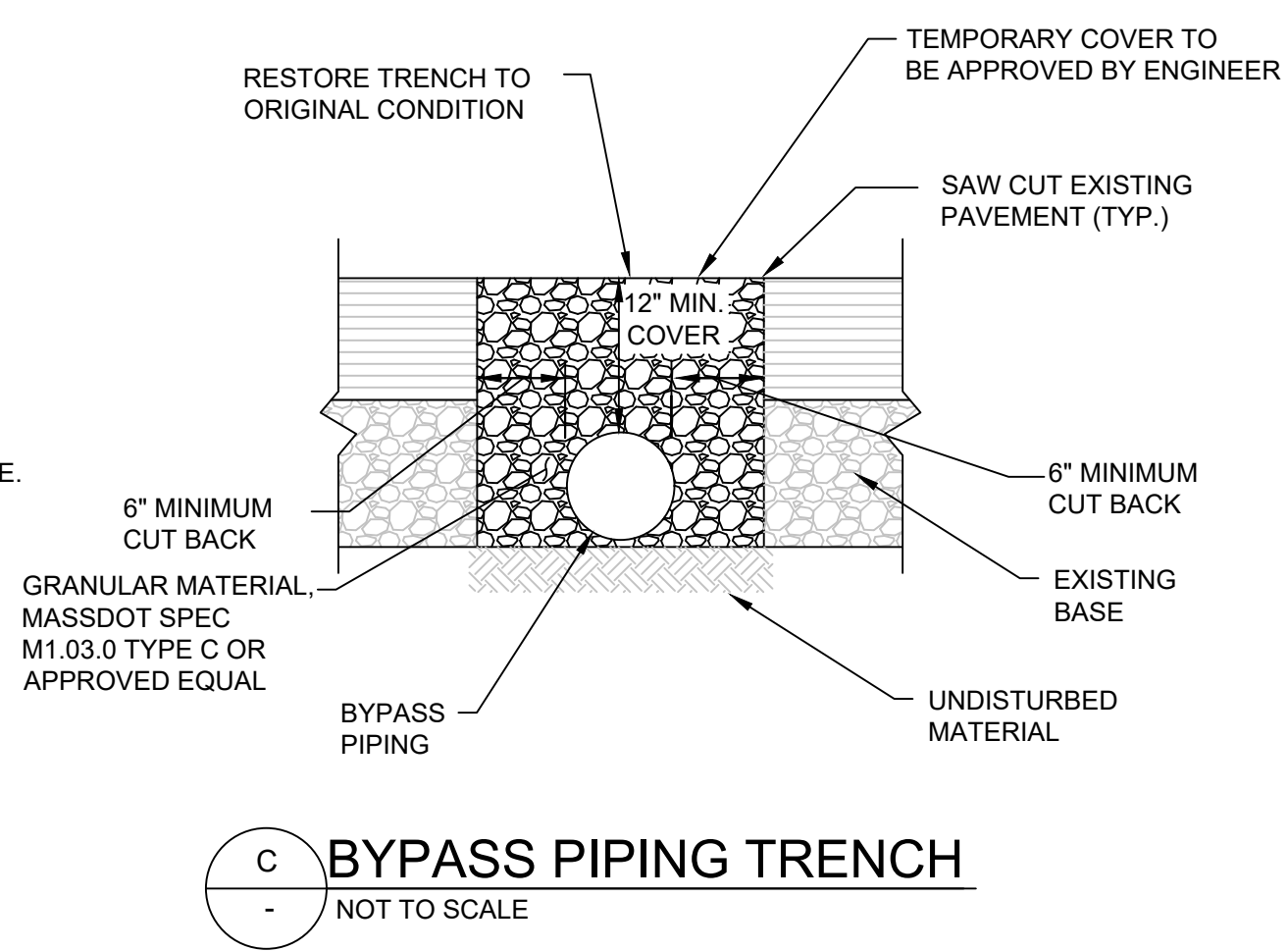


NOTE:
REFER MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MassDOT) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, 2026 EDITION

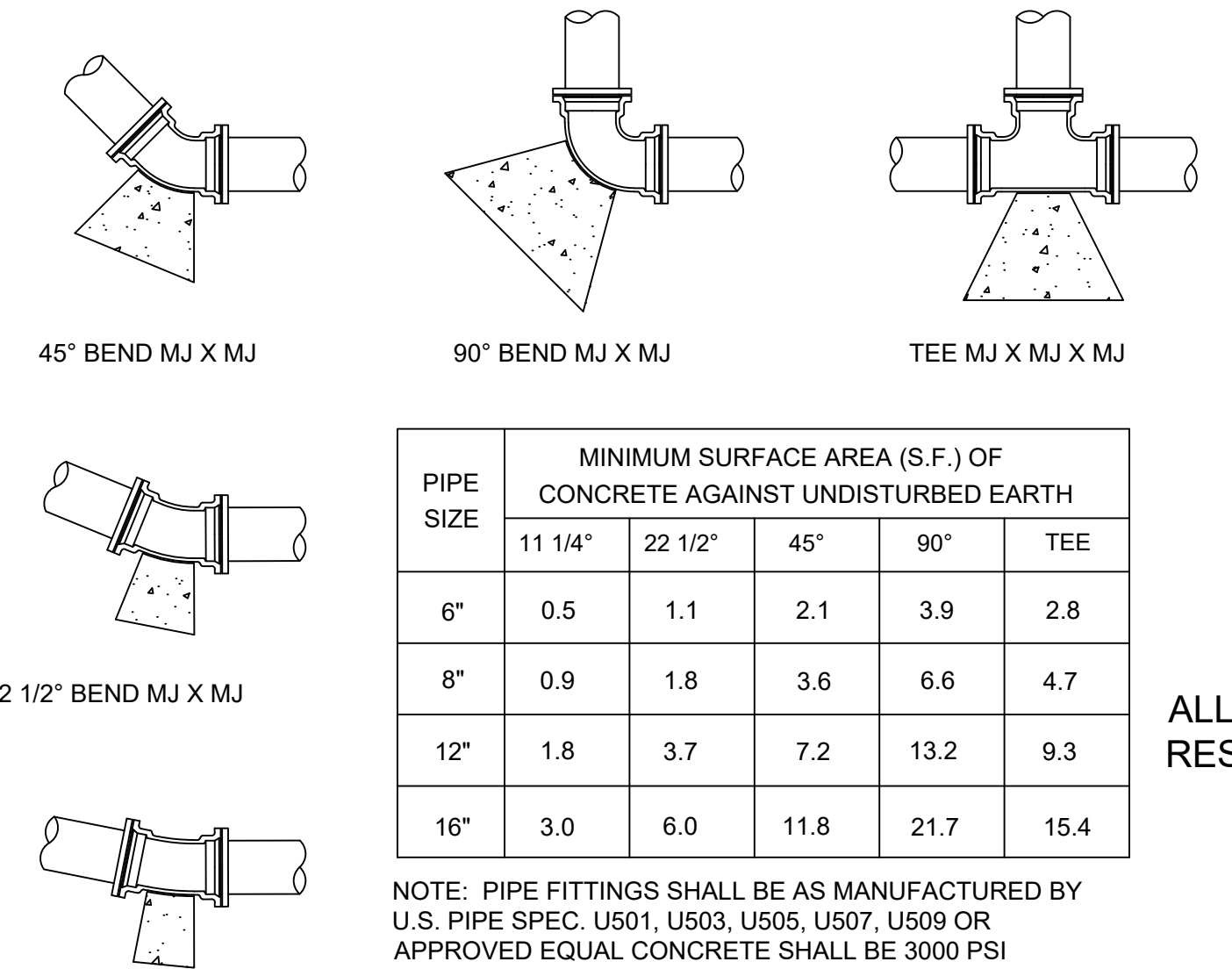
A TYPICAL TRENCH FOR TOWN UTILITIES
NOT TO SCALE



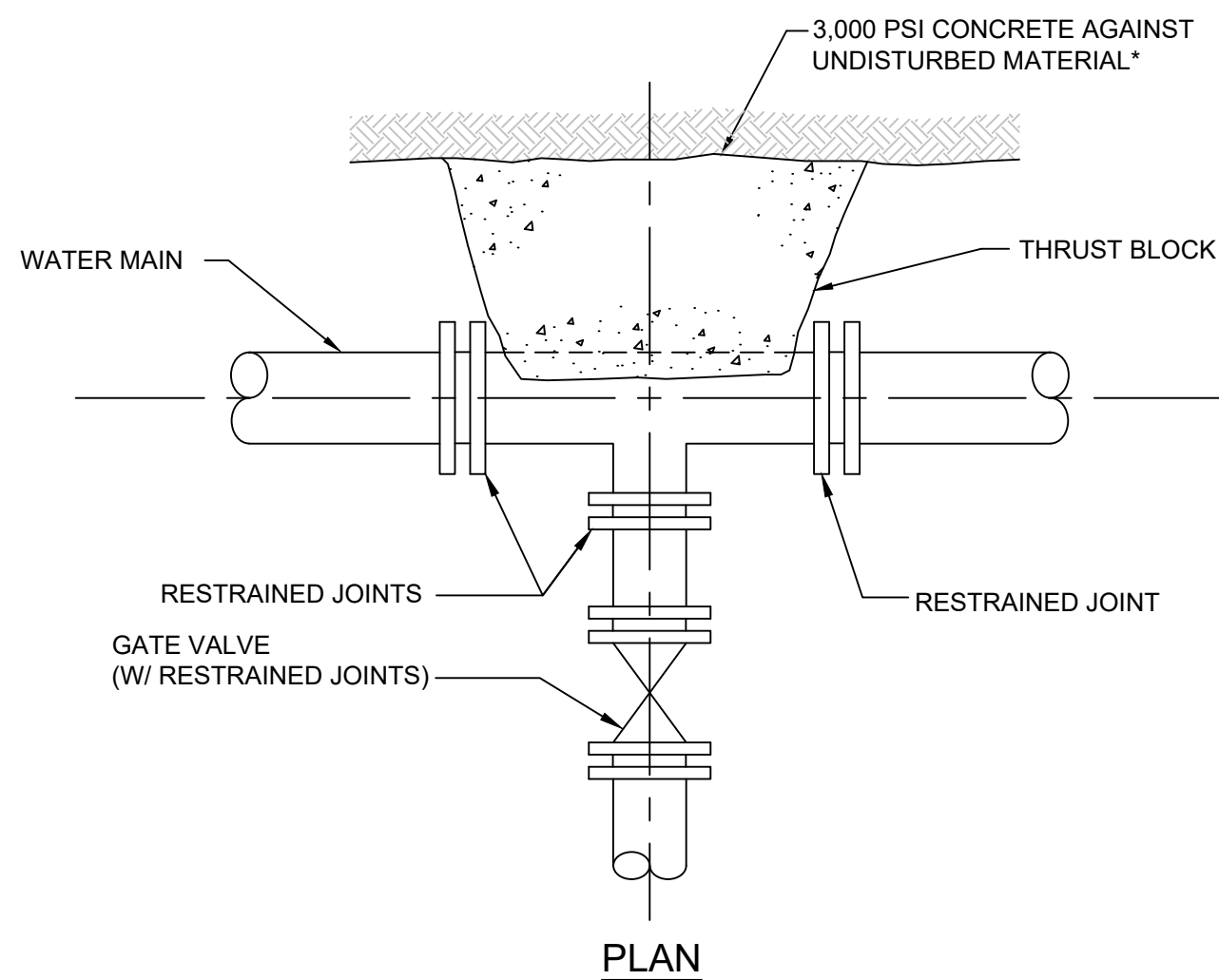
B TYPICAL SERVICE CONNECTION (TYP.)
NOT TO SCALE



C BYPASS PIPING TRENCH
NOT TO SCALE

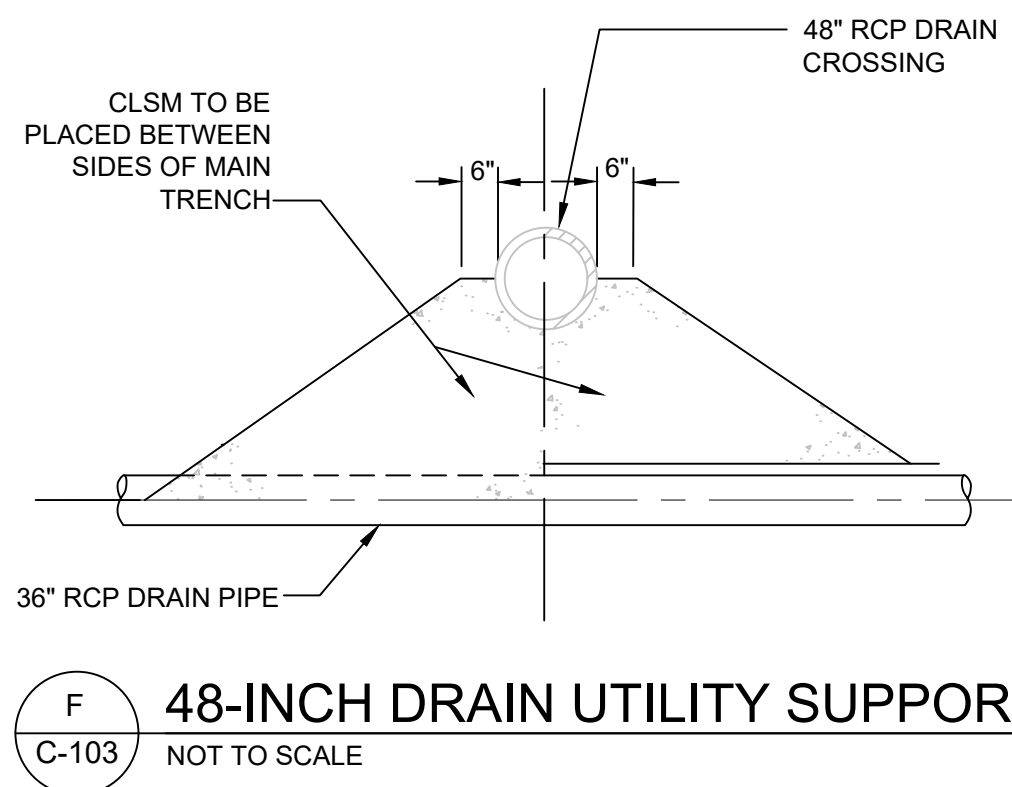


D THRUST BLOCK BEARING AREA TABLE FOR WATER MAIN
NOT TO SCALE

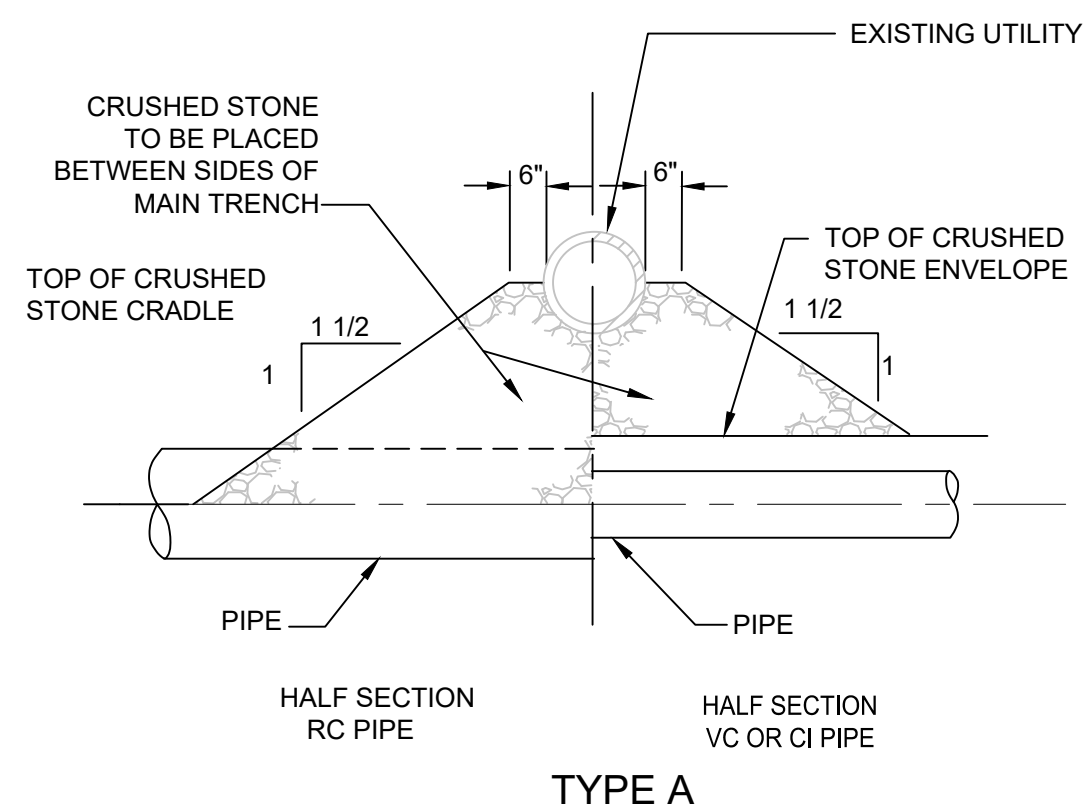


* SEE TABLE ON THRUST BLOCK BEARING AREAS ON DETAIL D OF THIS DRAWING SHEET FOR THE AREA OF CONCRETE REQUIRED.
** HYDRANTS, VALVES AND TEES SHALL USE BOTH MEGALUGS AND THRUST BLOCK RESTRAINTS

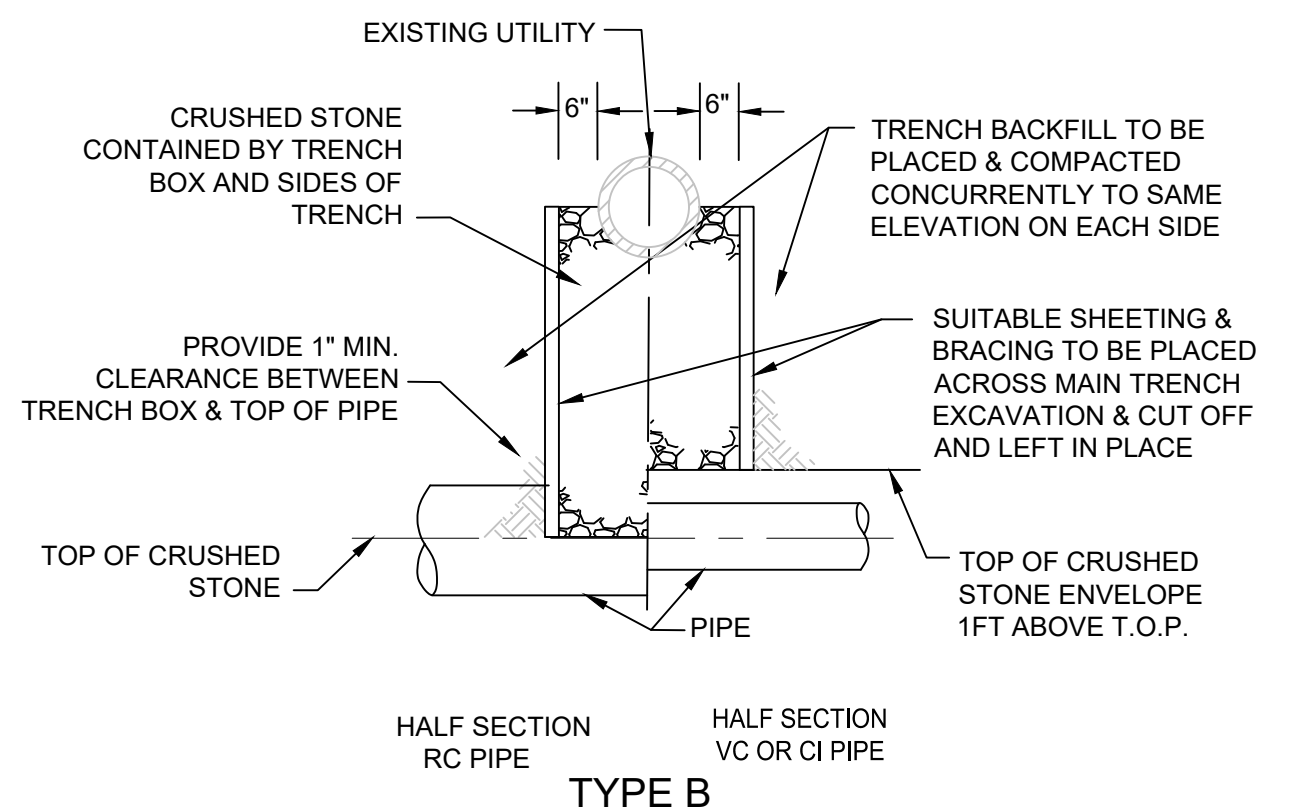
E TYPICAL RESTRAINED GASKET JOINT VALVE
NOT TO SCALE



F 48-INCH DRAIN UTILITY SUPPORT
NOT TO SCALE



G TYPICAL UTILITY SUPPORT
NOT TO SCALE



BID DOCUMENTS

REFERENCE:		CONTRACT NO. : 8086	CAD FILE NO. : 3-3-C-505		MASSACHUSETTS WATER RESOURCES AUTHORITY PREPARED BY:	METROPOLITAN WATER TUNNEL PROGRAM CONTRACT PACKAGE 3.3 NEEDHAM DEWATERING DRAINAGE LINE CIVIL TOWN OF NEEDHAM DETAILS 2	DRAWING NO. C-505 19 of 41
		ACCESSION NO. : NOT USED	SECTION NO. :				
		DATE: SEPTEMBER, 2026	DESIGNED BY: ANW DRAWN BY: DB CHECKED BY: KRR APPROVED BY: WSW				
		SCALE: AS NOTED					
NO.	DATE	BY	CHK'D	REVISION			

Plot Date: 2026/09/10 2:35 PM BY: BRE110557