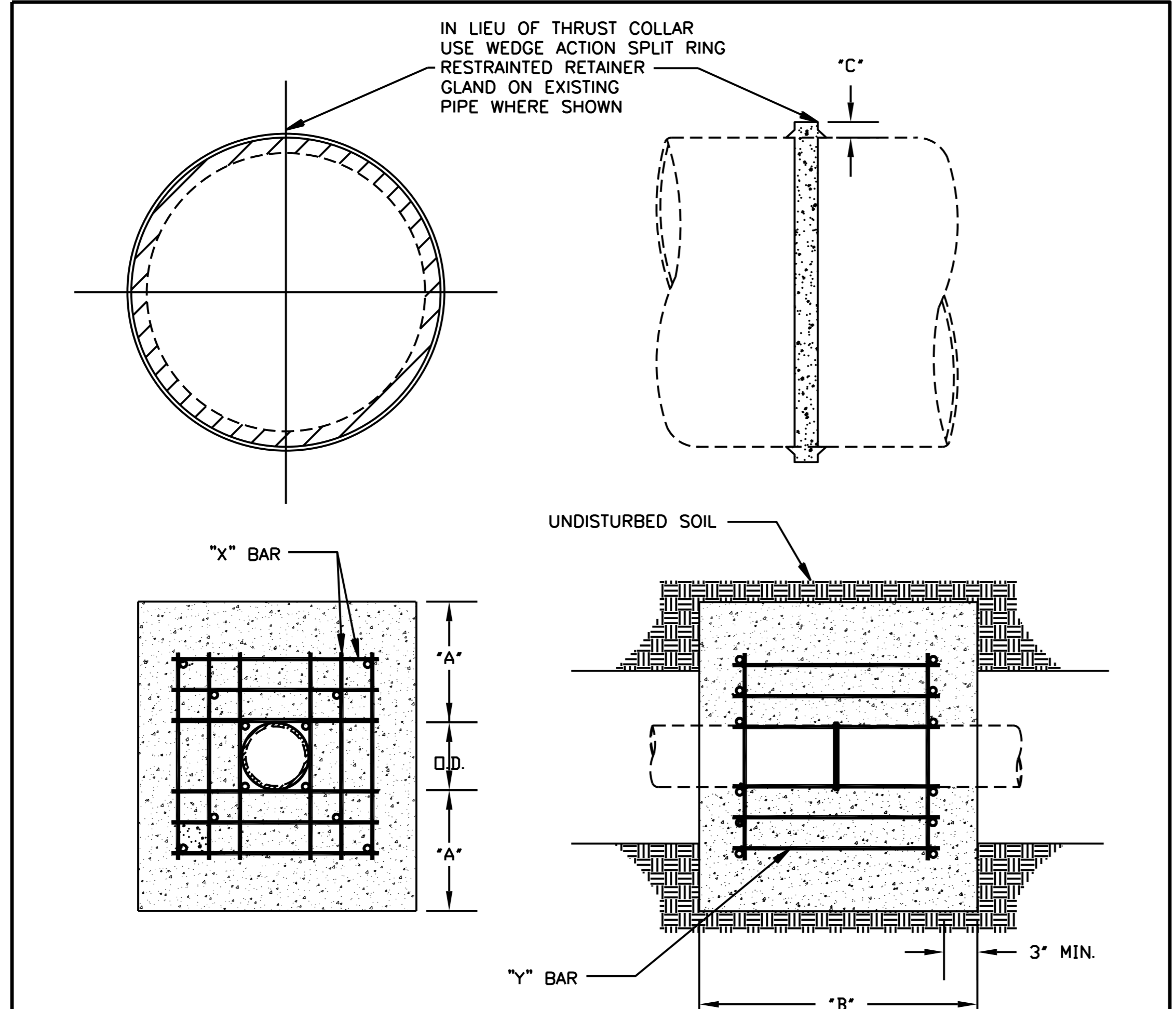


UTILITY CONSTRUCTION



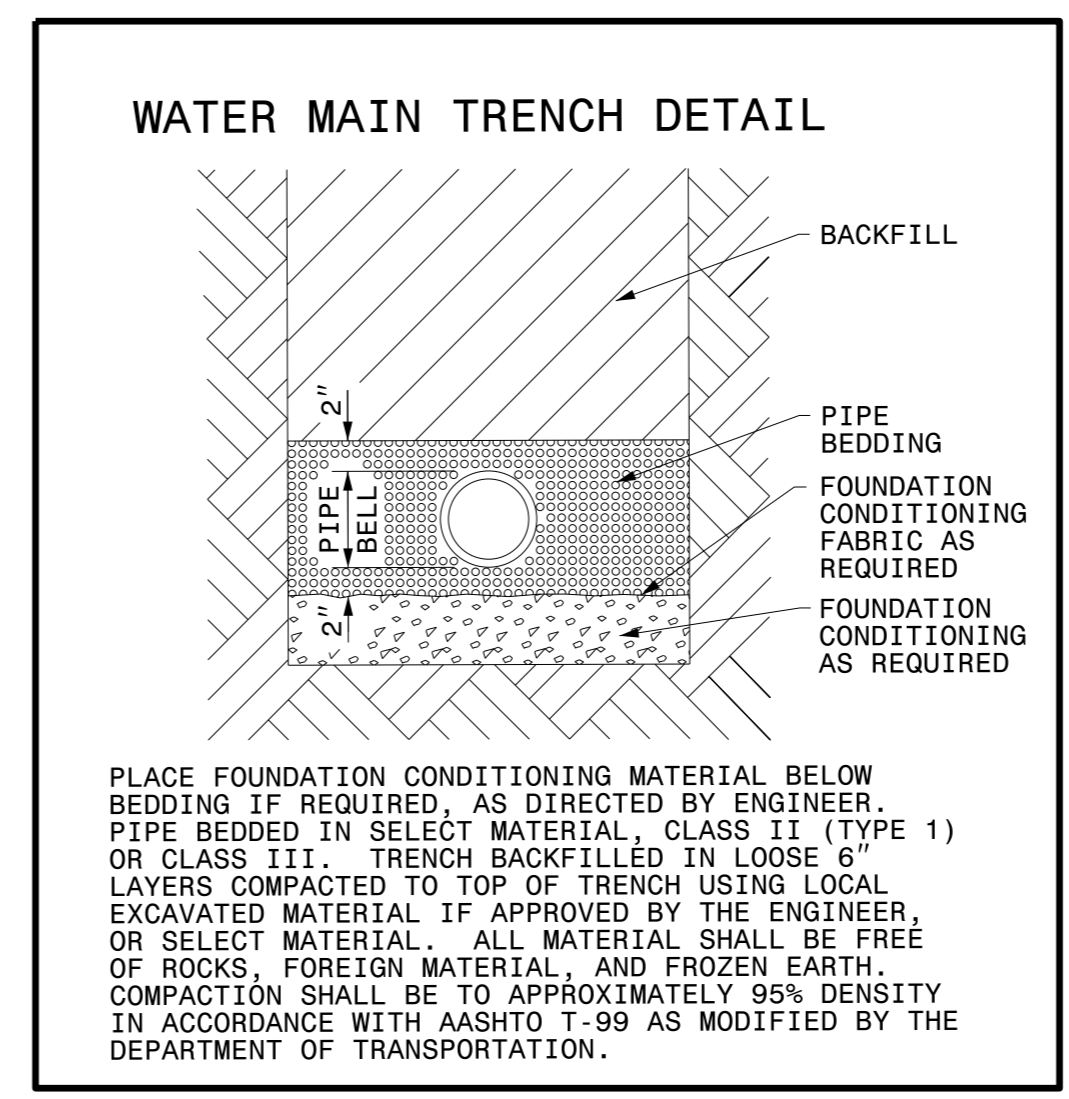
- NOTES:
1. CONCRETE SHALL BE CLASS B AND TRANSIT MIXED.
 2. REINFORCING BARS SHALL BE DEFORMED AND TIED TOGETHER.
 3. THRUST COLLAR MUST BE FACTORY WELDED ON BOTH SIDES ALONG BOTH EDGES OF COLLAR AROUND CIRCUMFERENCE.

REINFORCING REQUIREMENTS

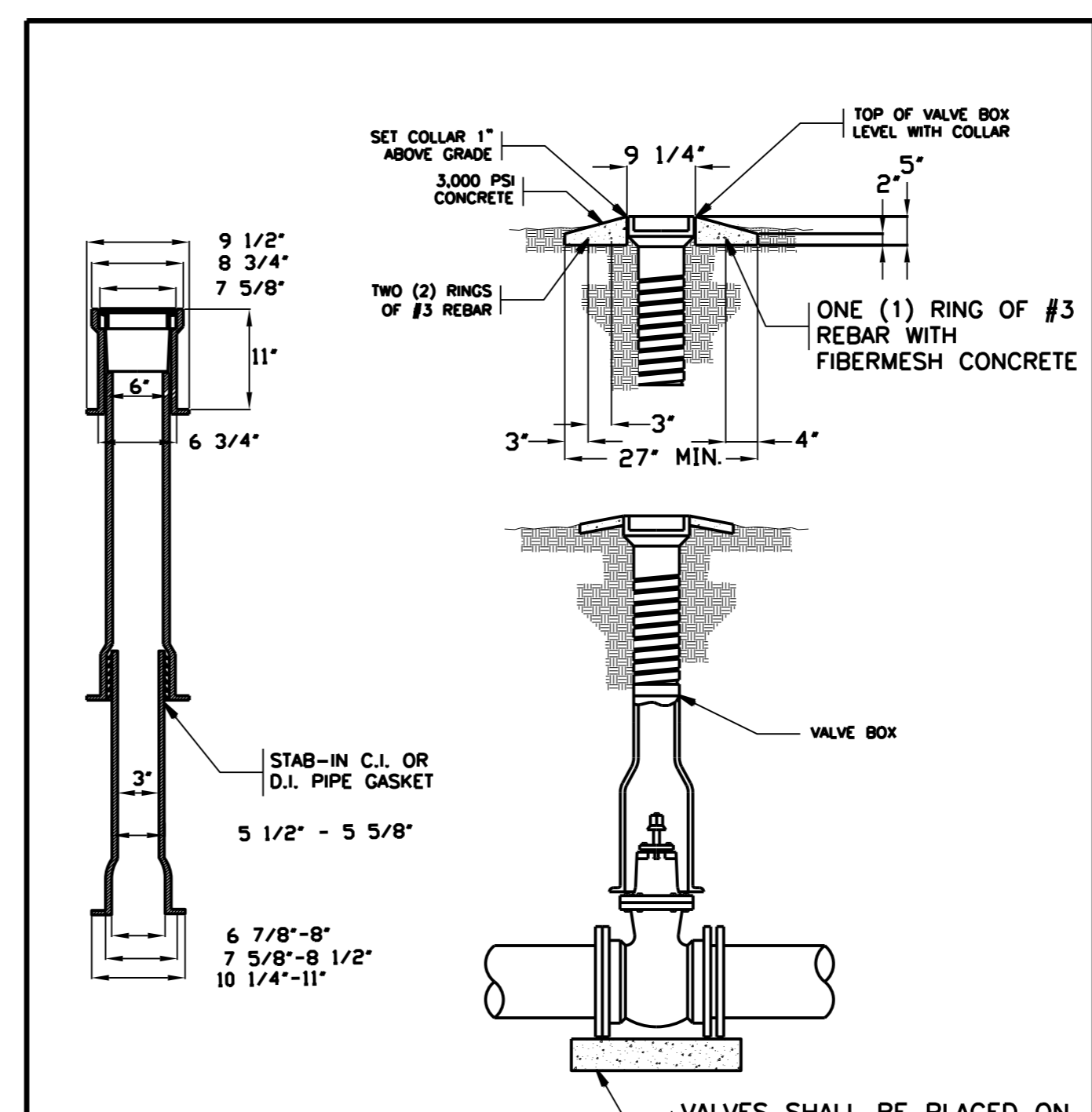
I.D. PIPE	REBAR SIZE	"X" BAR LENGTH	"X" BAR WEIGHT	"Y" BAR LENGTH	"Y" BAR WEIGHT	NO. REQUIRED
6" - 36"	#5	2'-2"+ O.D. PIPE	1.043 LBS/FT	1'-1"	1.1 LBS. EACH	X-24, Y-12
48" & GREATER	#6	3'-0"+ O.D. PIPE	1.502 LBS/FT	1'-3"	1.9 LBS. EACH	X-24, Y-12

THRUST COLLAR AND THRUST SCHEDULE

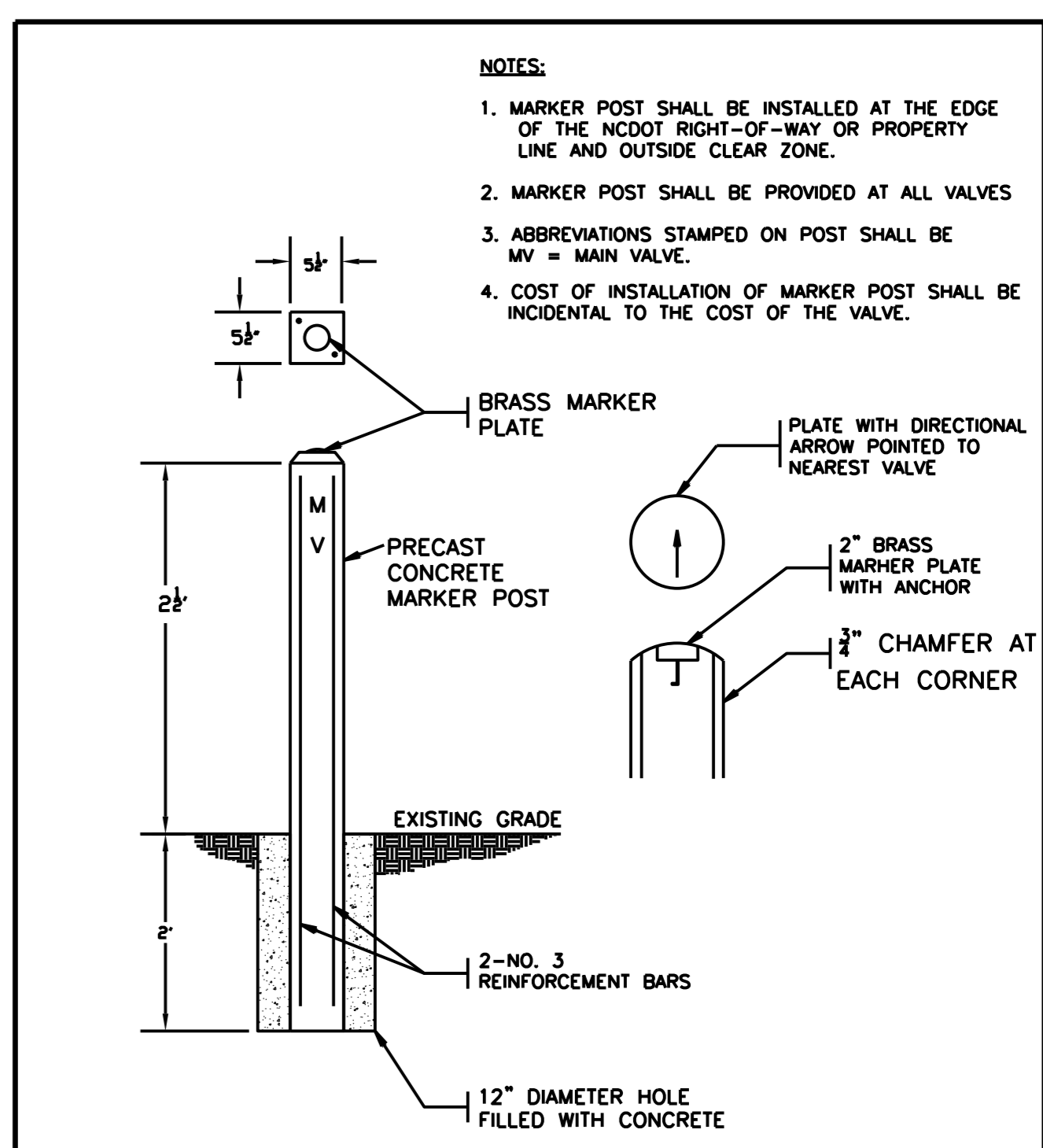
I.D. PIPE	"A"	"B"	"C-6"-16"	20"-24"	30"-36"	48"
6" - 36"	1'-4"	1'-7"	2"	3"	4"	
48" & GREATER	1'-8"	1'-9"				6"



NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28
6	30
8	32
10	34
12	36
14	38
16	40
18	42



- NOTES:
- 1) VALVE BOX NOT TO CONTACT WATER MAIN
 - 2) ALL TRAFFIC CASTINGS MUST BE CLASS 35 OR GREATER.
 - 3) TOTAL VALVE BOX WEIGHT: MINIMUM OF 85 LBS.
 - 4) NOT TO SCALE



- NOTES:
1. MARKER POST SHALL BE INSTALLED AT THE EDGE OF THE NCDOT RIGHT-OF-WAY OR PROPERTY LINE AND OUTSIDE CLEAR ZONE.
 2. MARKER POST SHALL BE PROVIDED AT ALL VALVES
 3. ABBREVIATIONS STAMPED ON POST SHALL BE MV = MAIN VALVE.
 4. COST OF INSTALLATION OF MARKER POST SHALL BE INCIDENTAL TO THE COST OF THE VALVE.

UNDERGROUND SERVICE ALERT

 CALL TOLL FREE
811
 TWO WORKING DAYS BEFORE YOU DIG

CONCRETE THRUST COLLAR FOR WATER MAINS

CHATHAM COUNTY
 PUBLIC UTILITIES & WATER DIVISION
 P.O. BOX 910
 PITTSBORO, NC 27312
 964 EAST STREET, SUITE 205
 PITTSBORO, NC 27312
 (919) 852-8270 (BUS)
 (919) 852-8282 (FAX)

UNDERGROUND SERVICE ALERT

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 TWO WORKING DAYS BEFORE YOU DIG

VALVE BOX AND COLLAR

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VALVE MARKER POST

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