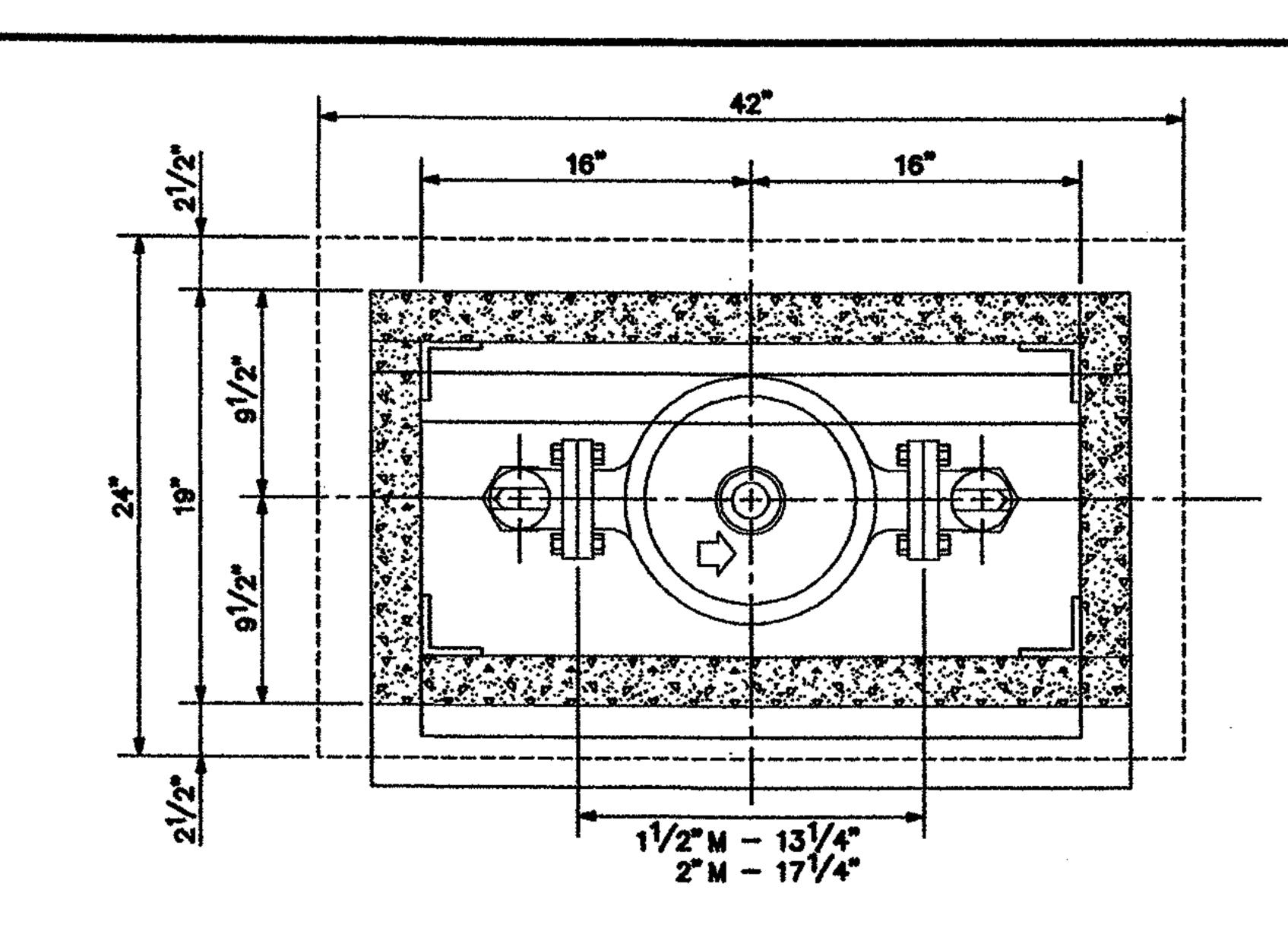
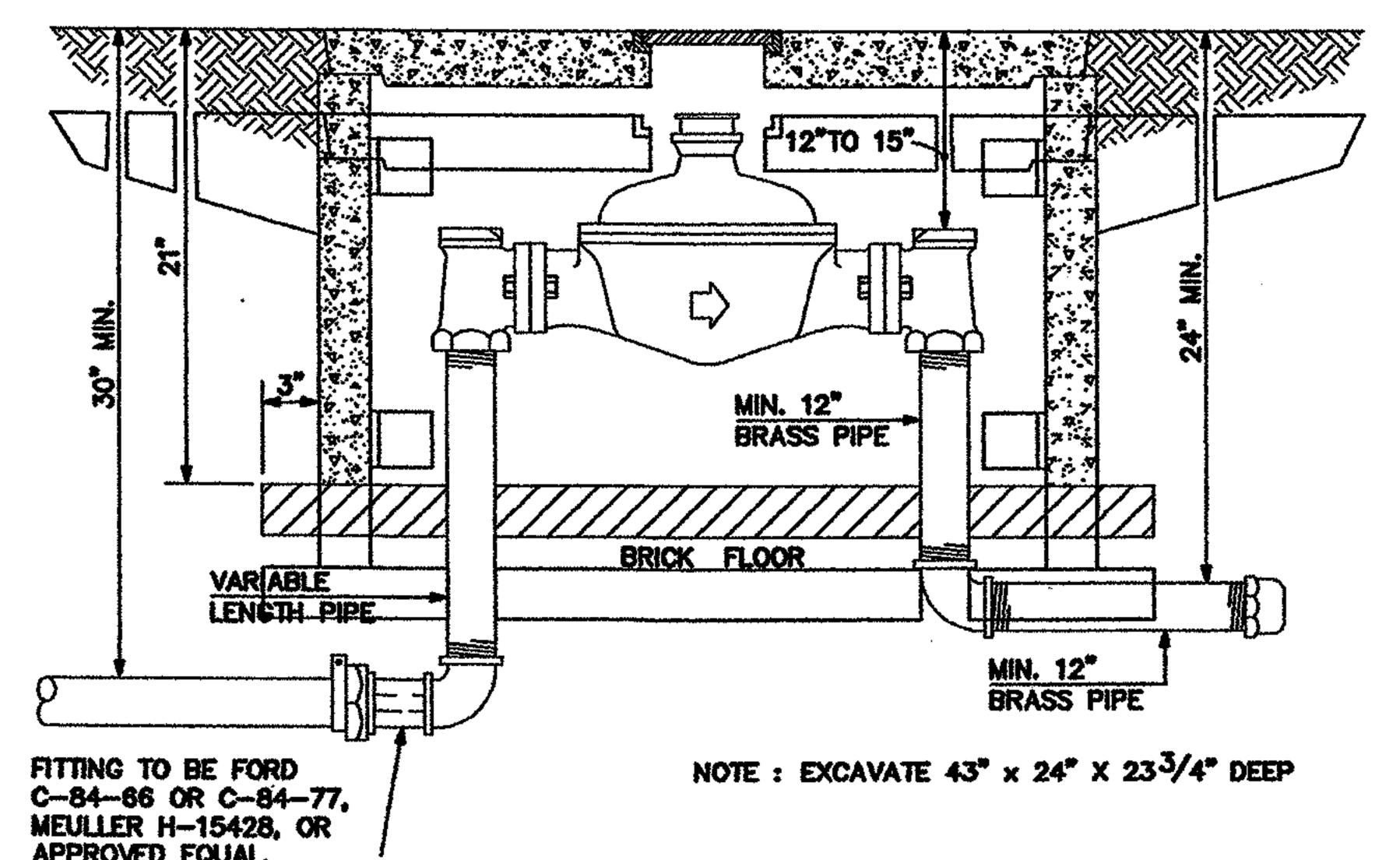


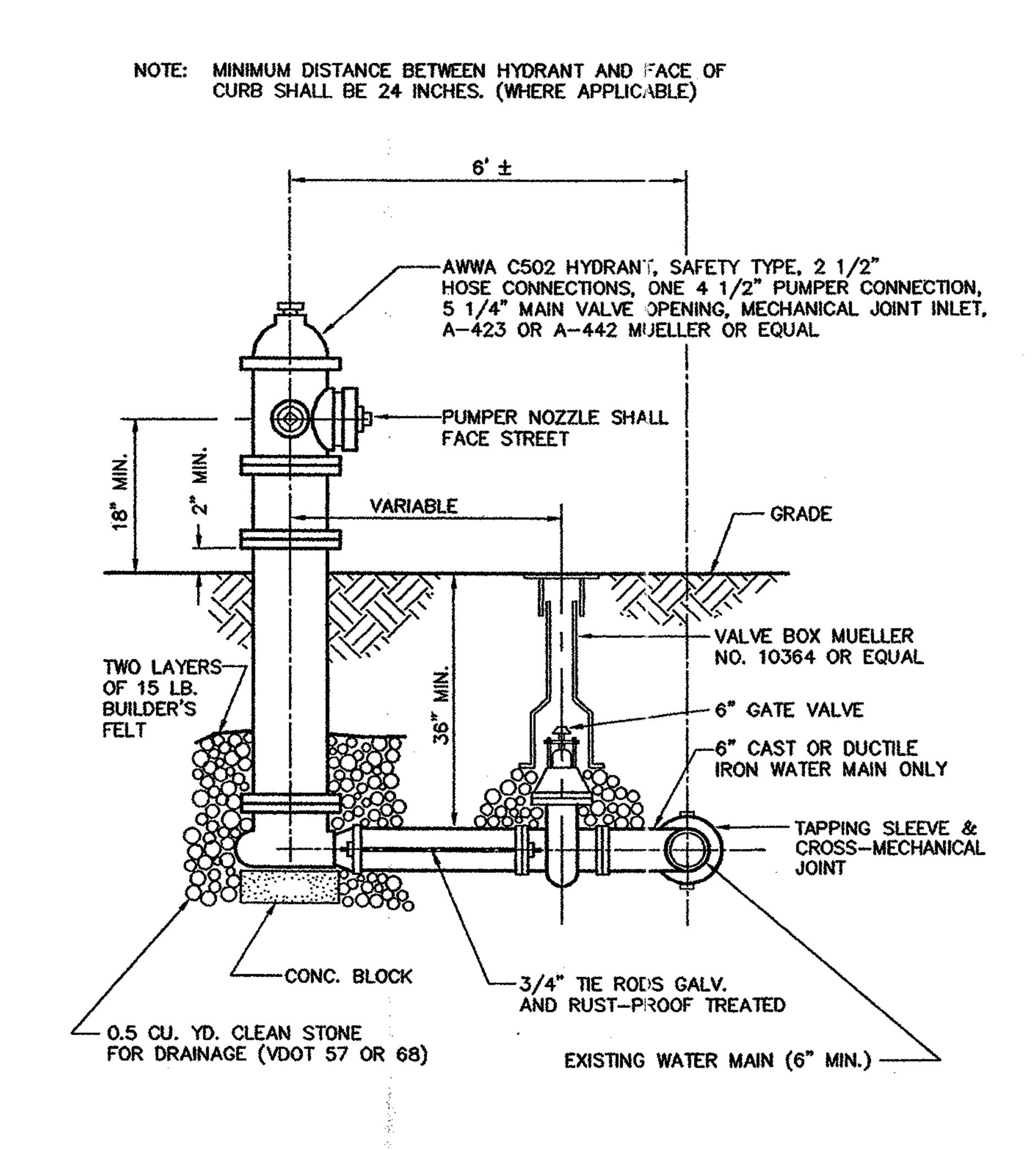
SCREW TYPE ADJUSTABLE VALVE BOX DETAIL

NOT TO SCALE

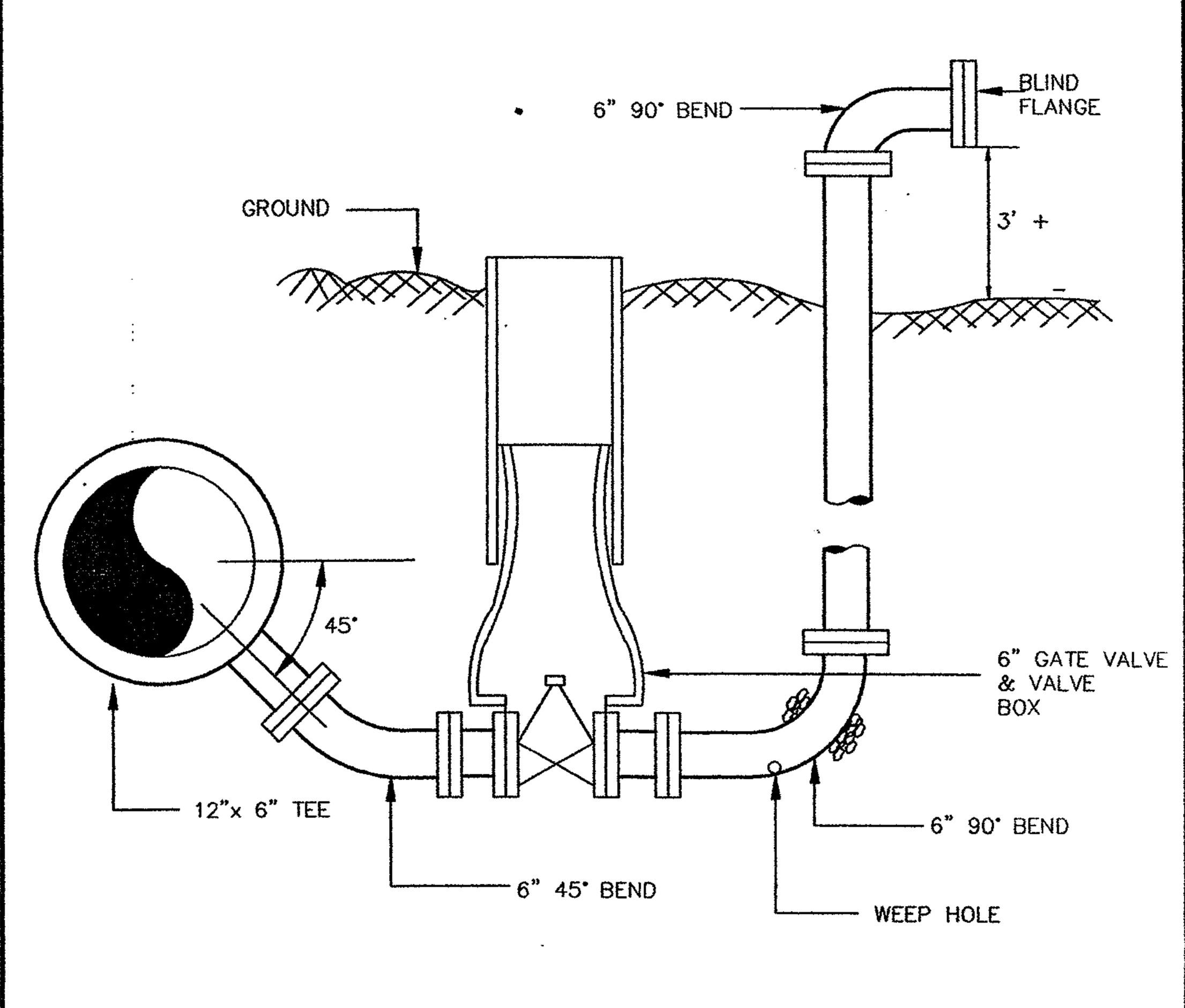




1-1/2" AND LARGER DISC METER SETTINGS NOT TO SCALE



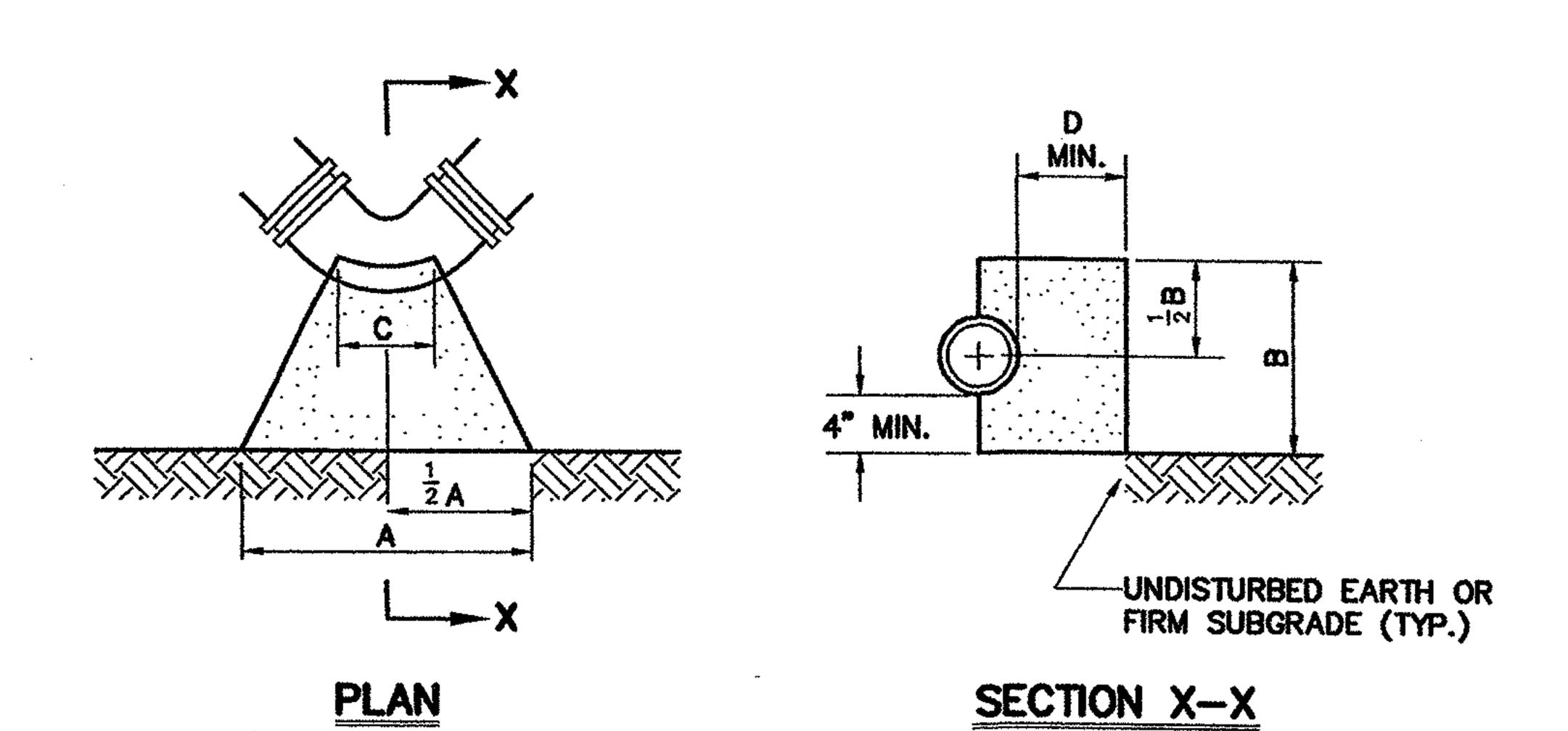
FIRE HYDRANT ASSEMBLY NOT TO SCALE



- THE BLOW-OFF SHALL BE DRAINED TO PREVENT FREEZING.
- ALL PIPE AND FITTINGS SHALL BE FLANGED OR M.J. RESTRAINED JOINTS.
- WEEP HOLE TO BE CUT/DRILLED 2' BELOW GROUND LEVEL TO SUFFICIENTLY ALLOW STAND PIPE TO DRAIN. BACKFILL WITH AT LEASE 1/2 CUBIC YARD OF CLEAN STONE.

6' BLOWOFF

NOT TO SCALE



NOTE: INSTALL TWO LAYERS OF 15 LB. BUILDER'S FELT OR TWO LAYERS OF 6 MIL. POLYETHYLENE BETWEEN CONCRETE AND FITTING.

PIPE		45	BEN	D		90° BEND					
DIA.	A	B	C	D	Ε	A	B	C	D	E	
3"	9"	12"	6"	6"	4"	12"	12"	6"	12"	6"	
4*	9"	12"	6"	6"	4"	16"	12"	6"	12"	6"	
6*	12"	14"	6"	8"	4"	21"	14"	6"	18"	6"	
8*	18"	16"	8"	9"	6"	30"	16"	8"	18"	9"	
10"	24"	18"	8"	10"	6"	36"	24"	10"	18"	9"	
12"	30"	20"	12"	12"	9"	48"	24"	12"	18"	12"	
16"	42"	30"	12"	15"	9"	60"	30"	16"	21"	12"	
20"	56"	30"	12"	16"	16"	72"	40"	20"	21"	24"	
24"	60"	36"	12"	21"	24"	84"	48"	24"	24"	30"	
30*	72"	48"	16"	27"	24"	108"	60"	30"	24"	3 6"	

BASED ON NORMAL OPERATING PRESSURE UP TO 150 PSI

E = ADDITIONAL LENGTH TO BE ADDED TO DIMENSION A FOR EACH ADDITIONAL 50 PSI PRESSURE UP TO 300 PSI

THRUST BLOCK DETAILS

(45° - 90° BENDS)

08/03/99

SECTION X-X --- UNDISTURBED EARTH OR FIRM SUBGRADE (TYP.) NOTE: INSTALL TWO LAYERS OF 15 LB. BUILDER'S FELT OR TWO LAYERS OF 6 MIL. POLYETHYLENE BETWEEN CONCRETE AND FITTING. BRANCH DIAMETER 3" 4" 6" 8" 10" 12" 16" 20" 24" 30" A 12" 12" 16" 18" 26" 30" 40" 48" 60" 80"

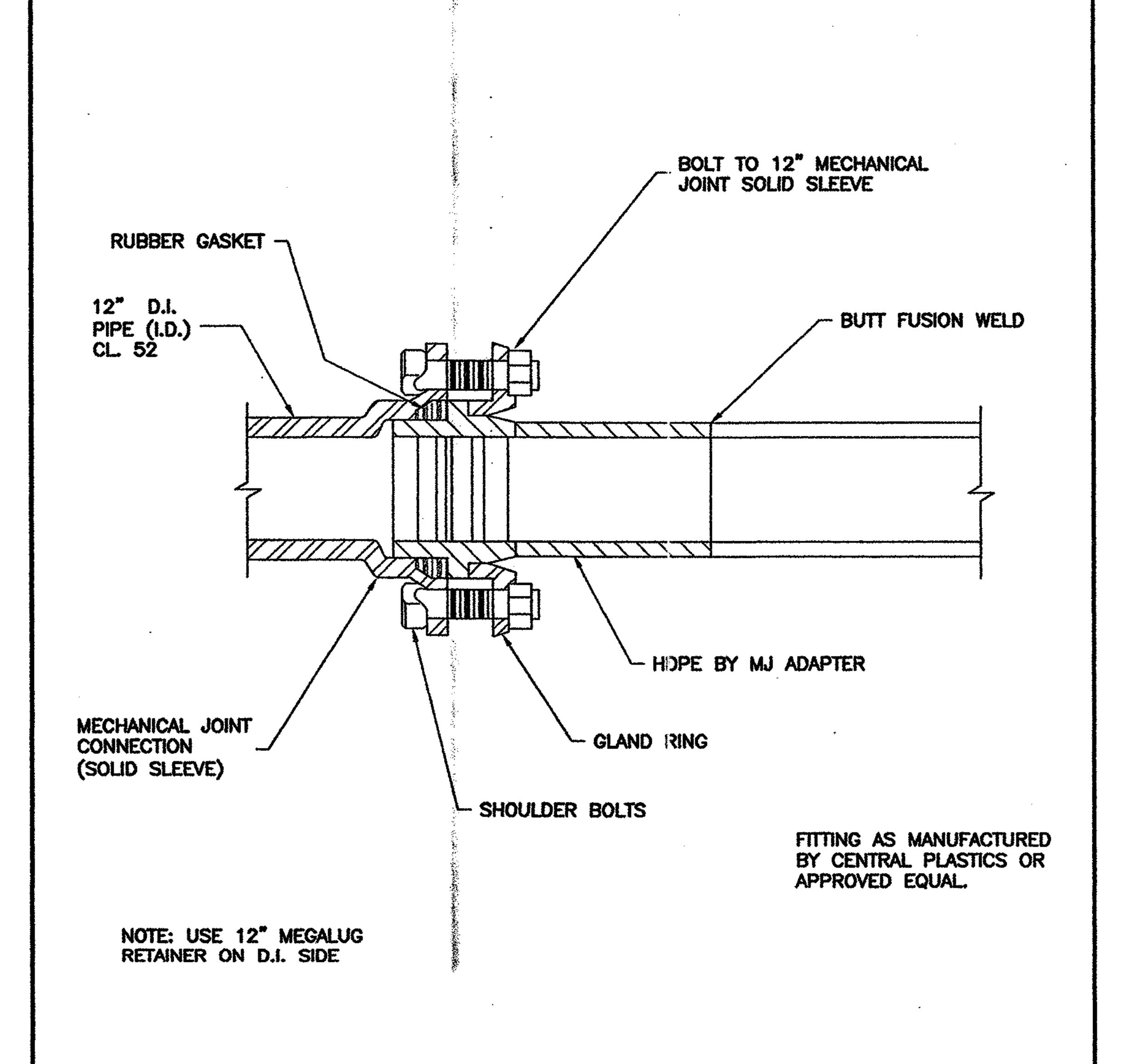
	B C D	12" 8" 6"	16" 8" 6"	20" 12" 8"	30" 12" 9"	32" 12" 10"	42" 12" 12"	56" 16" 14"	72" 24" 18"	80" 24" 20"	96" 24" 24"	
BASED ON NORMAL OPERATING PRESSURE UP TO 150 PSI												
NOTE: INSTALL TWO LAYERS OF 15 LB. BUILDER'S FELT OR TWO LAYERS OF 6 MIL. POLYETHYLENE BETWEEN CONCRETE AND FITTING.												
	PLUG PIPE DIAMETER											
		3"	4"	6"	8"	10"	12"	16"	20"	24"	30"	
	E	14"	16"	21"	29"	36"	41"	54"	64"	75"	88"	

THRUST BLOCK DETAILS

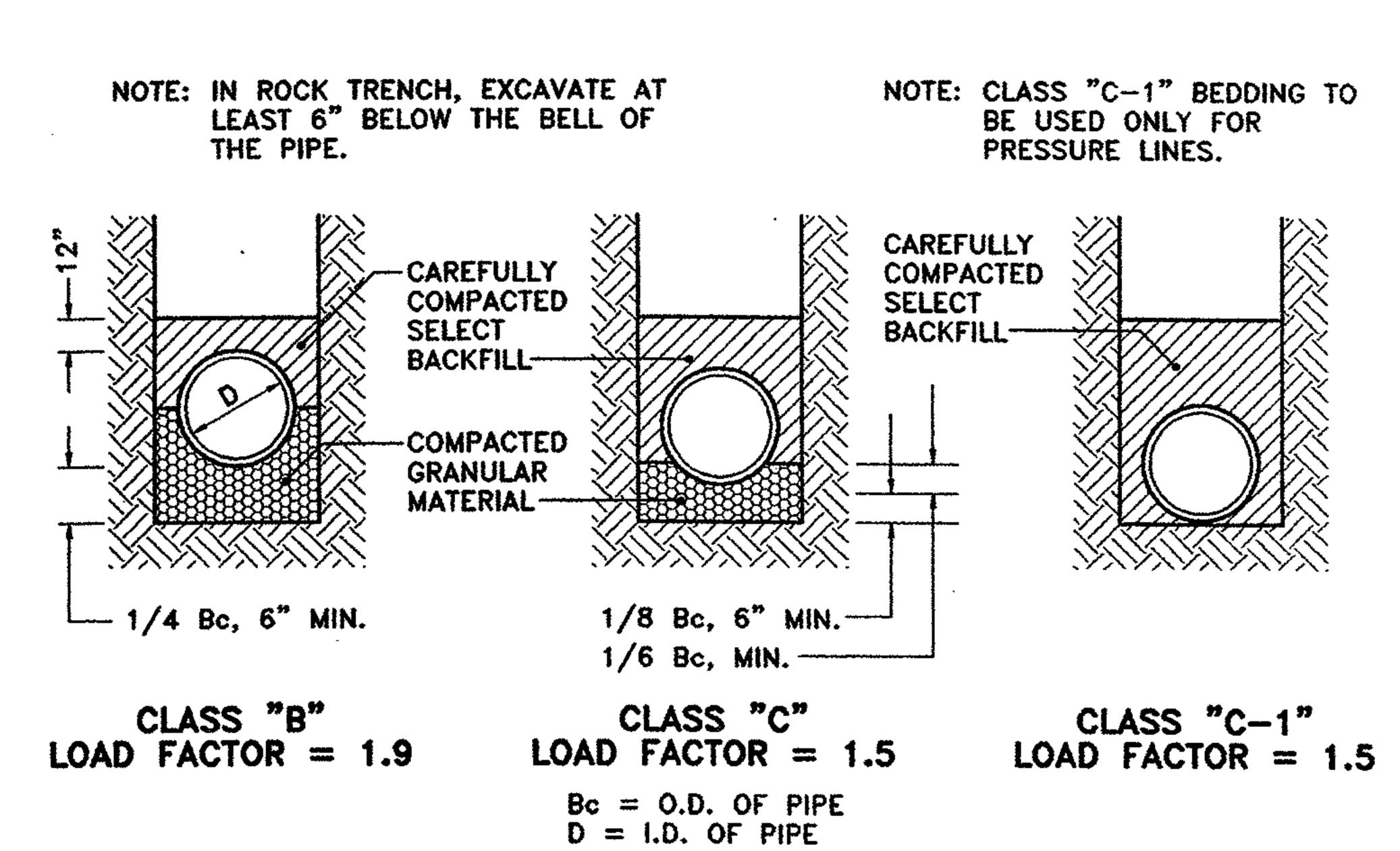
F 8" 8" 10" 10" 12" 14" 16" 18" 20" 24"

BASED ON NORMAL OPERATING PRESSURE UP TO 150 PSI

(TEES, TAPPING SLEEVES, PLUGS & CAPS) NOT TO SCALE



HDPE/DUCTILE IRON CONNECTION DETAIL NOT TO SCALE





BEDDING DETAIL NOT TO SCALE

PROJECT No. T-R99125.04F

NOT TO SCALE SHEET 9 OF 10

DESIGNED: JCC CHECKED:

DETAILS

SOUTH POINT BUSINESS PARK WATER MAIN EXTENSION PRINCE GEORGE COUNTY, VIRGINIA