

BENDS	"B"	"C"	"D"	"E"	"F"
6"-11 1/4"	8"	15"	12"	24"	10"
8"-22 1/2"	8"	18"	12"	24"	15"
8"-45"	8"	30"	12"	24"	15"
8"-90"	8"	30"	12"	24"	28"
8"-11 1/4"	8"	20"	12"	24"	10"
8"-22 1/2"	8"	25"	12"	24"	15"
8"-45"	8"	31"	12"	24"	24"
8"-90"	8"	35"	12"	24"	35"
12"-11 1/4"	8"	30"	12"	24"	15"
12"-22 1/2"	8"	35"	12"	24"	25"
12"-45"	8"	40"	12"	24"	40"
12"-90"	8"	50"	12"	24"	55"
16"-11 1/4"	12"	28"	20"	24"	38"
16"-22 1/2"	12"	35"	20"	24"	38"
16"-45"	12"	40"	20"	24"	50"
16"-90"	12"	50"	20"	24"	60"
20"-11 1/4"	12"	34"	24"	28"	38"
20"-22 1/2"	12"	48"	24"	28"	38"
20"-45"	12"	54"	24"	28"	50"
20"-90"	12"	65"	24"	28"	60"
24"-11 1/4"	12"	40"	28"	28"	40"
24"-22 1/2"	12"	56"	28"	28"	58"
24"-45"	12"	62"	28"	28"	60"
24"-90"	12"	74"	28"	28"	60"
30"-11 1/4"	12"	48"	34"	30"	40"
30"-22 1/2"	12"	64"	34"	30"	40"
30"-45"	12"	70"	34"	30"	40"
30"-90"	12"	82"	34"	30"	40"

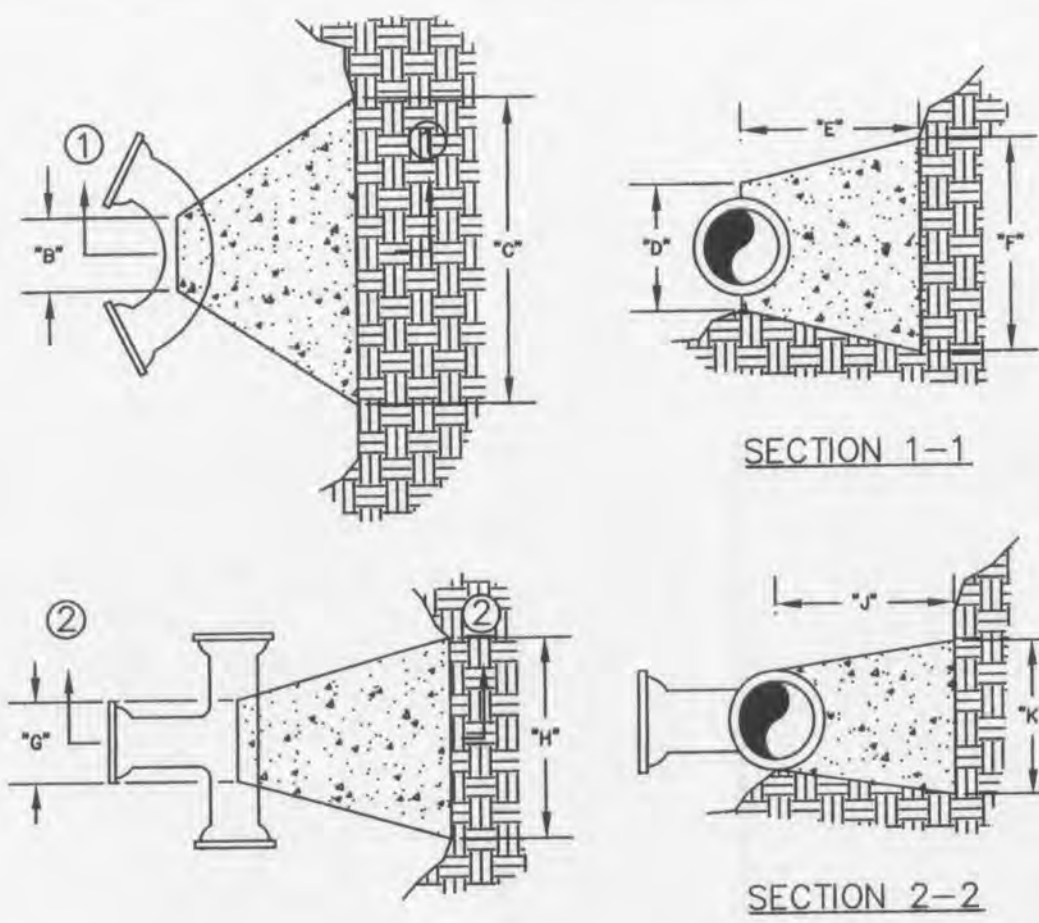
TEES	"C"	"H"	"F"	"K"
6"x6"x6"	12"	24"	24"	18"
8"x8"x8"	12"	24"	24"	18"
8"x8"x8"	12"	27"	24"	27"
12"x12"x12"	12"	24"	24"	18"
12"x12"x12"	12"	27"	24"	27"
12"x12"x12"	12"	30"	24"	38"
24"x24"x24"	18"	53"	28"	53"

- NOTES:  
 1. 2" & 4" FITTINGS EQUIVALENT TO 6"  
 FITTINGS.  
 2. TAPPING SLEEVES TO HAVE BACKING  
 BLOCKS SAME SIZE AS REQUIRED FOR  
 TEES.  
 3. "L" = TOTAL LENGTH OF FITTING  
 MINUS CLEARANCE FOR BELLS.

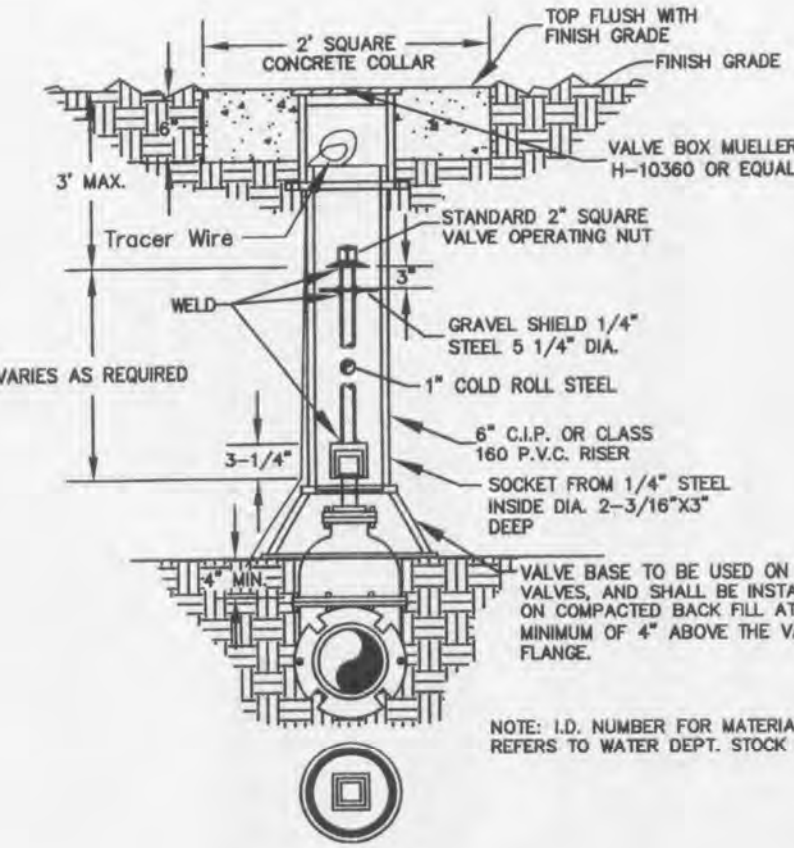
INTERNAL WATER PRESSURE 6" through 12"=200 psi  
 INTERNAL WATER PRESSURE 16" through 30"=210 psi  
 BEARING PRESSURE OF SOIL=3000 psi

**1 BACKING BLOCKS**  
 C503 N.T.S.

CITY OF O'FALLON  
 ENGINEERING DEPARTMENT  
 O'FALLON, MISSOURI  
**BACKING BLOCK  
 DETAILS AND LOCATIONS**



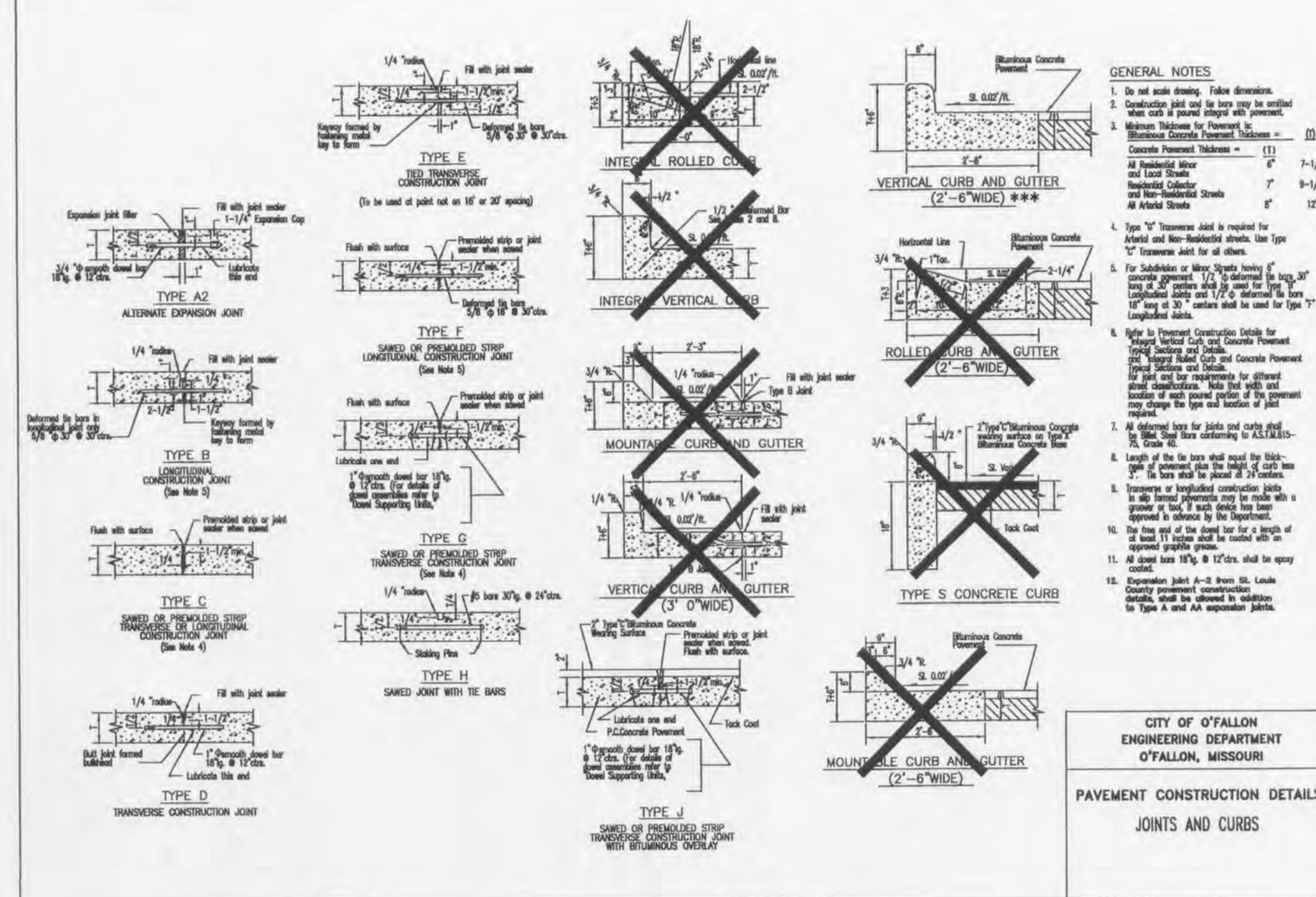
Concrete collar will be in accordance with the Concrete collar detail.



NOTE: I.D. NUMBER FOR MATERIAL  
 REFERS TO WATER DEPT. STOCK NUMBER.

**4 WATER VALVE DETAILS**  
 C503 N.T.S.

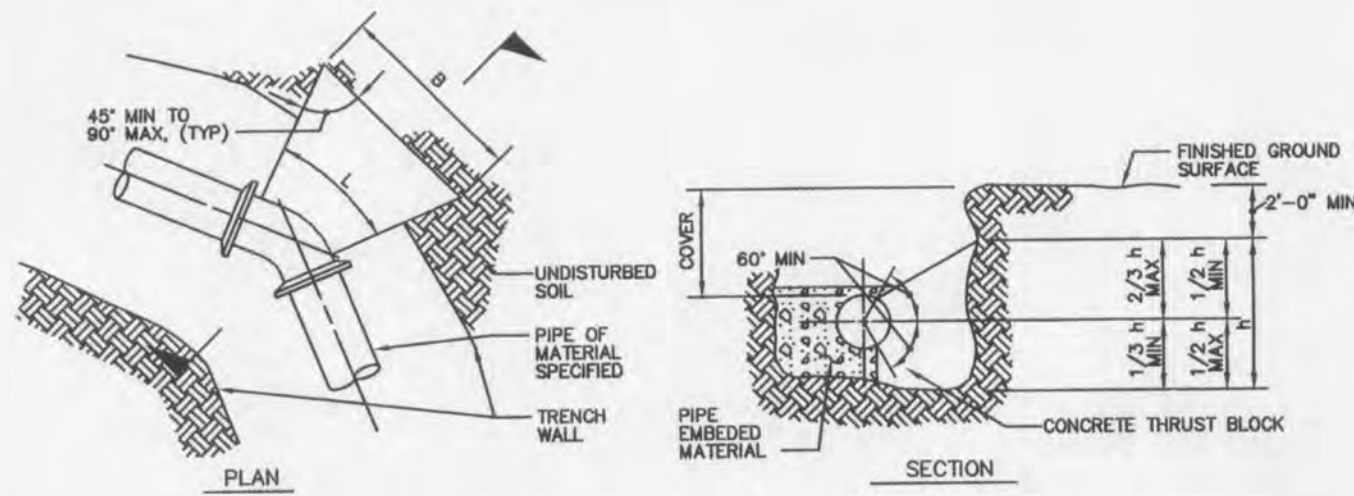
CITY OF O'FALLON  
 ENGINEERING DEPARTMENT  
 O'FALLON, MISSOURI  
**WATER  
 VALVE DETAIL**



**6 PAVEMENT-JOINTS &  
 CURBS DETAILS**  
 C503 N.T.S.

\*\*\*NOTE: Reverse Gutter Pan Slope When Pavement Slopes Away From Curb.  
 Expansion Joint Spacing in Curb and Gutter Shall be 75' Max.  
 All non-reinforced concrete shall be 4000 psi at 28 days.

CITY OF O'FALLON  
 ENGINEERING DEPARTMENT  
 O'FALLON, MISSOURI  
**PAVEMENT CONSTRUCTION DETAILS  
 JOINTS AND CURBS**

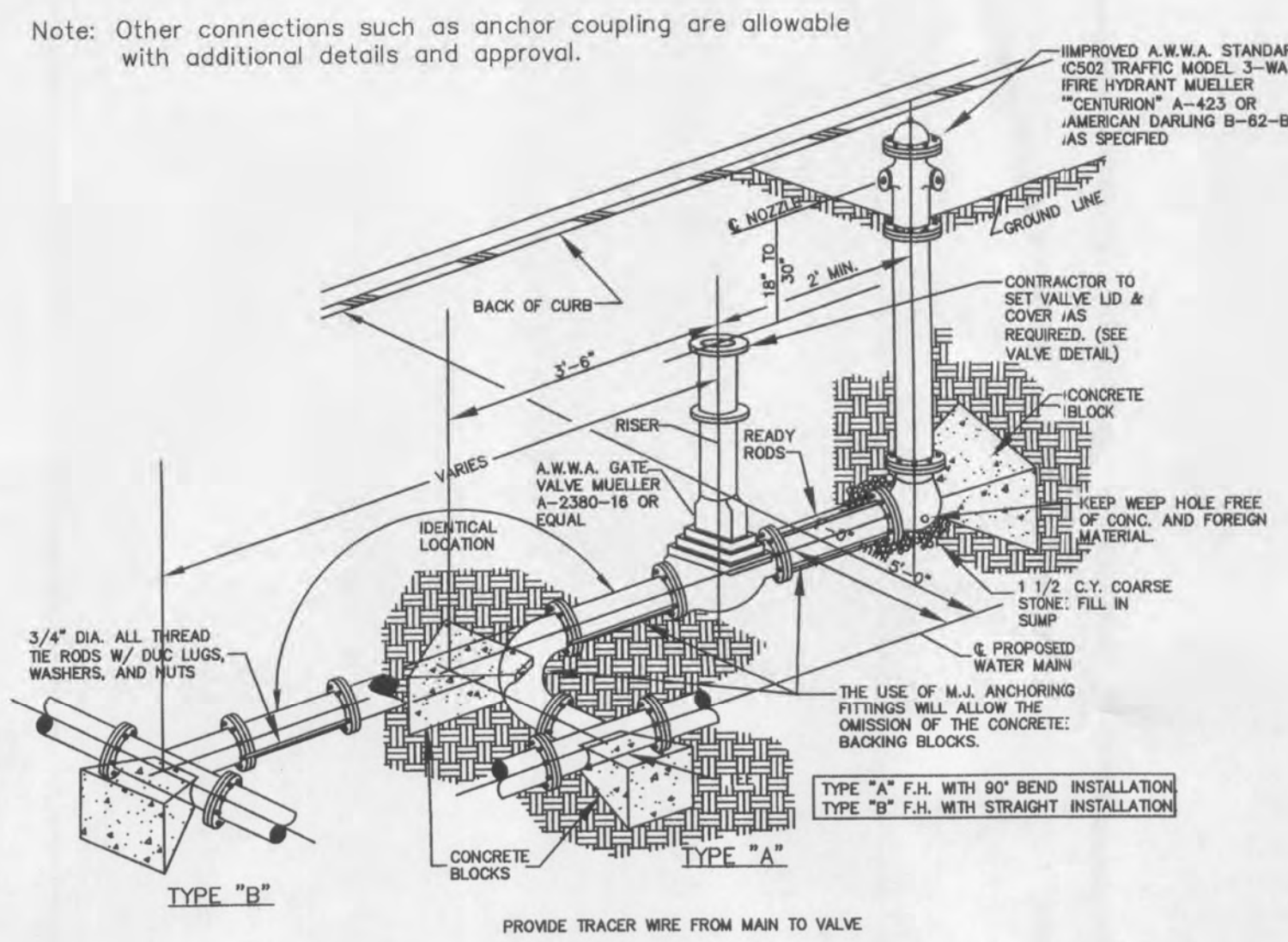


- NOTES:  
 1. AREA OF BLOCK, A = 8xh. BLOCK AREAS ARE SHOWN  
 ON GENERAL LAYOUT OR TABLE.  
 2. B = h = 1/2 A, EXCEPT WHERE TOP OF BLOCK IS WITHIN  
 2 FEET FROM GROUND SURFACE, THEN B = A/h.  
 3. MINIMUM BLOCK DIMENSION (B & h) SHALL BE AT LEAST  
 1/4 OF PIPE OR 1 FOOT FOR PIPE 12" OR LESS.  
 4. THE BOTTOM OF THE BLOCK SHALL EXTEND AT LEAST TO  
 THE BOTTOM OF THE TRENCH IN ALL CASES.  
 5. L=FITTING LENGTH MINUS CLEARANCE FOR BELLS.  
 6. DETAIL IS SHOWN FOR CAST IRON PIPE. DETAIL IS  
 SIMILAR FOR OTHER TYPES OF PIPE.  
 7. DIMENSIONS FOR THRUST BLOCKS FOR FIRE HYDRANT  
 ASSEMBLY ARE SHOWN FIRE HYDRANT ASSEMBLY DETAIL.

SIZE	BEND	THRUST AREA	B	H
16"	11 1/2"	4 SF	2'	2'
22"	22 1/2"	8 SF	2.8'	2.8'

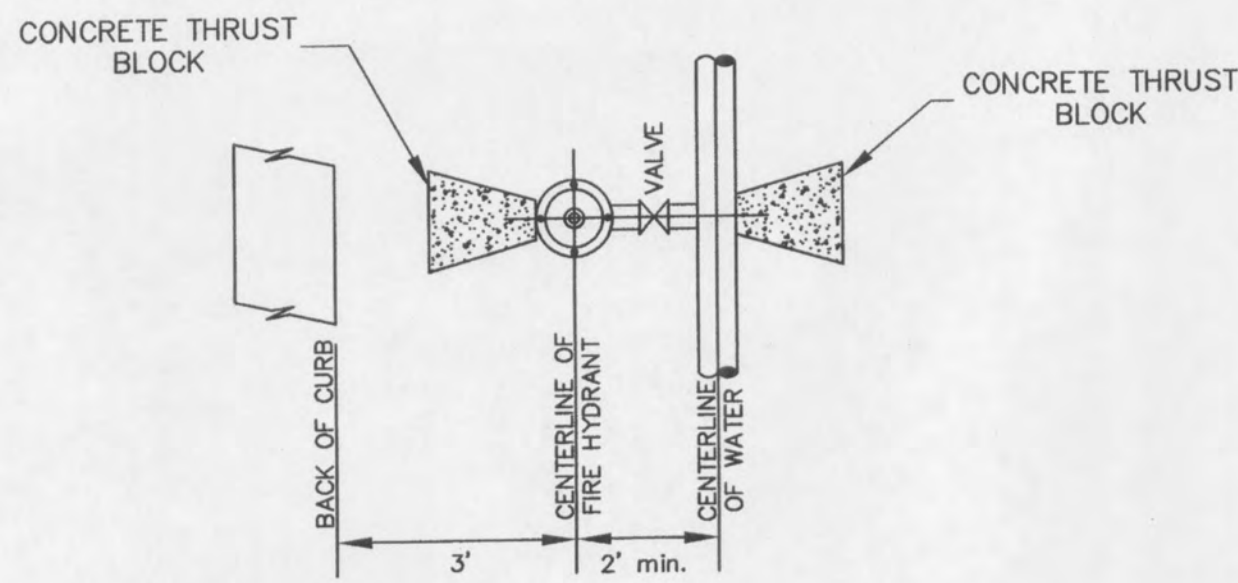
**2 CONCRETE THRUST BLOCKING**  
 C503 N.T.S.

CITY OF O'FALLON  
 ENGINEERING DEPARTMENT  
 O'FALLON, MISSOURI  
**CONCRETE THRUST  
 BLOCKING DETAILS**



**5 FIRE HYDRANTS DETAIL**  
 C503 N.T.S.

CITY OF O'FALLON  
 ENGINEERING DEPARTMENT  
 O'FALLON, MISSOURI  
**FIRE HYDRANT  
 DETAILS**



CONFIGURATION  
 ALL FIRE HYDRANTS SHALL BE 3' OFF BACK OF CURB  
 ALL WATER MAINS SHALL BE A MIN. OF 5' OFF BACK OF CURB

**3 TYP. WATER MAIN & FIRE HYDRANT**  
 C503 N.T.S.

CITY OF O'FALLON  
 ENGINEERING DEPARTMENT  
 O'FALLON, MISSOURI  
**WATER MAIN  
 FIRE HYDRANT DETAIL**

