

BENDS	"8"	"10"	"12"	"14"	"16"
6"-11 1/4"	8" 15"	12" 24"	16" 36"	20" 48"	24" 60"
6"-22 1/2"	8" 18"	12" 24"	16" 36"	20" 48"	24" 60"
6"-45"	8" 21"	12" 24"	16" 36"	20" 48"	24" 60"
6"-90"	8" 24"	12" 24"	16" 36"	20" 48"	24" 60"
8"-11 1/4"	8" 20"	12" 24"	16" 36"	20" 48"	24" 60"
8"-22 1/2"	8" 22"	12" 24"	16" 36"	20" 48"	24" 60"
8"-45"	8" 24"	12" 24"	16" 36"	20" 48"	24" 60"
8"-90"	8" 26"	12" 24"	16" 36"	20" 48"	24" 60"
12"-11 1/4"	8" 30"	12" 24"	16" 36"	20" 48"	24" 60"
12"-22 1/2"	8" 32"	12" 24"	16" 36"	20" 48"	24" 60"
12"-45"	8" 34"	12" 24"	16" 36"	20" 48"	24" 60"
12"-90"	8" 36"	12" 24"	16" 36"	20" 48"	24" 60"
16"-11 1/4"	8" 38"	12" 24"	16" 36"	20" 48"	24" 60"
16"-22 1/2"	8" 40"	12" 24"	16" 36"	20" 48"	24" 60"
16"-45"	8" 42"	12" 24"	16" 36"	20" 48"	24" 60"
16"-90"	8" 44"	12" 24"	16" 36"	20" 48"	24" 60"
20"-11 1/4"	8" 46"	12" 24"	16" 36"	20" 48"	24" 60"
20"-22 1/2"	8" 48"	12" 24"	16" 36"	20" 48"	24" 60"
20"-45"	8" 50"	12" 24"	16" 36"	20" 48"	24" 60"
20"-90"	8" 52"	12" 24"	16" 36"	20" 48"	24" 60"
24"-11 1/4"	8" 54"	12" 24"	16" 36"	20" 48"	24" 60"
24"-22 1/2"	8" 56"	12" 24"	16" 36"	20" 48"	24" 60"
24"-45"	8" 58"	12" 24"	16" 36"	20" 48"	24" 60"
24"-90"	8" 60"	12" 24"	16" 36"	20" 48"	24" 60"
30"-11 1/4"	8" 62"	12" 24"	16" 36"	20" 48"	24" 60"
30"-22 1/2"	8" 64"	12" 24"	16" 36"	20" 48"	24" 60"
30"-45"	8" 66"	12" 24"	16" 36"	20" 48"	24" 60"
30"-90"	8" 68"	12" 24"	16" 36"	20" 48"	24" 60"

TEES	"6"	"8"	"10"	"12"	"14"	"16"
6"x6"x6"	12"	24"	36"	48"	60"	72"
6"x8"x6"	12"	24"	36"	48"	60"	72"
6"x10"x6"	12"	24"	36"	48"	60"	72"
6"x12"x6"	12"	24"	36"	48"	60"	72"
6"x14"x6"	12"	24"	36"	48"	60"	72"
6"x16"x6"	12"	24"	36"	48"	60"	72"
8"x8"x8"	12"	24"	36"	48"	60"	72"
8"x10"x8"	12"	24"	36"	48"	60"	72"
8"x12"x8"	12"	24"	36"	48"	60"	72"
8"x14"x8"	12"	24"	36"	48"	60"	72"
8"x16"x8"	12"	24"	36"	48"	60"	72"
10"x10"x10"	12"	24"	36"	48"	60"	72"
10"x12"x10"	12"	24"	36"	48"	60"	72"
10"x14"x10"	12"	24"	36"	48"	60"	72"
10"x16"x10"	12"	24"	36"	48"	60"	72"

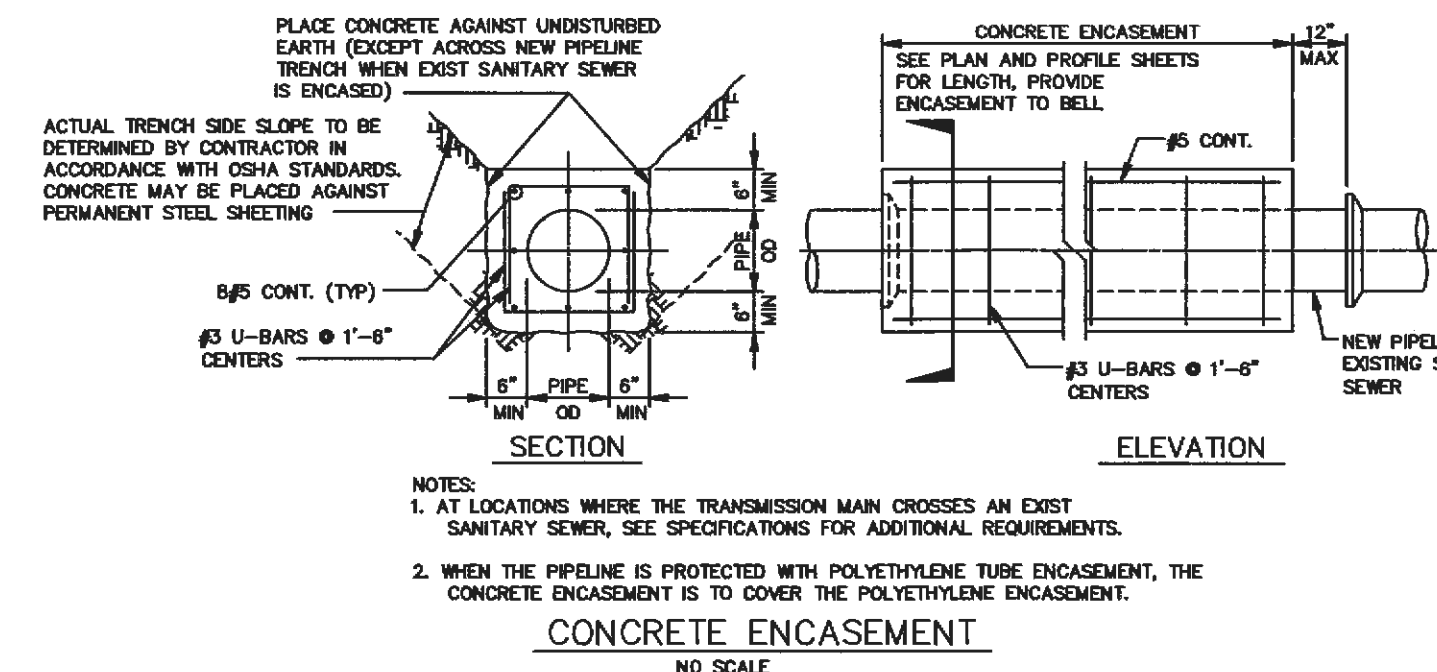
- NOTES:
 1. 2" & 4" FITTINGS EQUIVALENT TO 6" FITTINGS.
 2. TAPPING SLEEVES TO HAVE BACKING BLOCKS SAME SIZE AS REQUIRED FOR TEES.
 3. "L" = TOTAL LENGTH OF FITTING MINUS CLEARANCE FOR BELLS.

INTERNAL WATER PRESSURE 6" through 12"=200 psi
 INTERNAL WATER PRESSURE 16" through 30"=210 psi
 BEARING PRESSURE OF SOIL=2000 psi

BACKING BLOCKS
 NOT TO SCALE

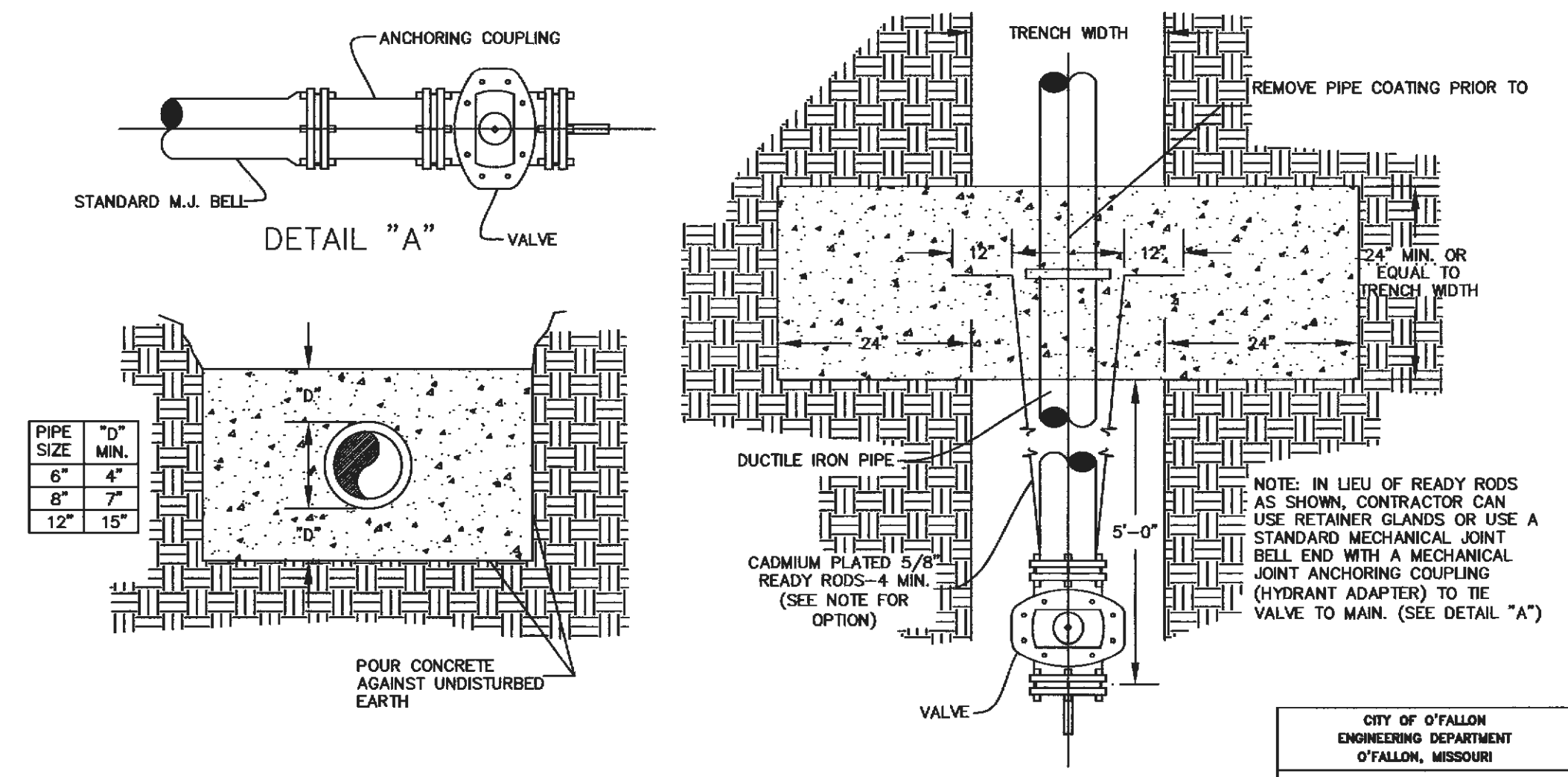
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**BACKING BLOCK
 DETAILS AND LOCATIONS**



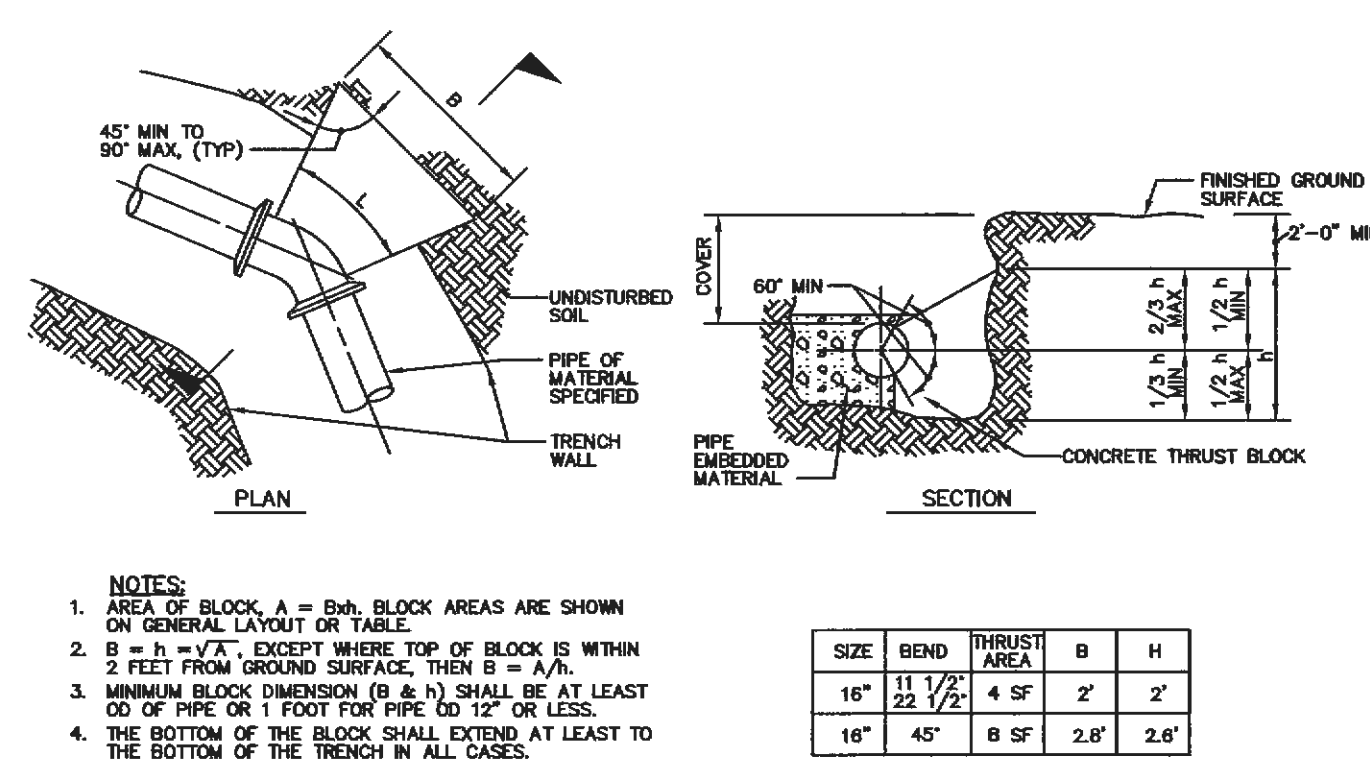
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**CONCRETE ENCASEMENT
 DETAILS**



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 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

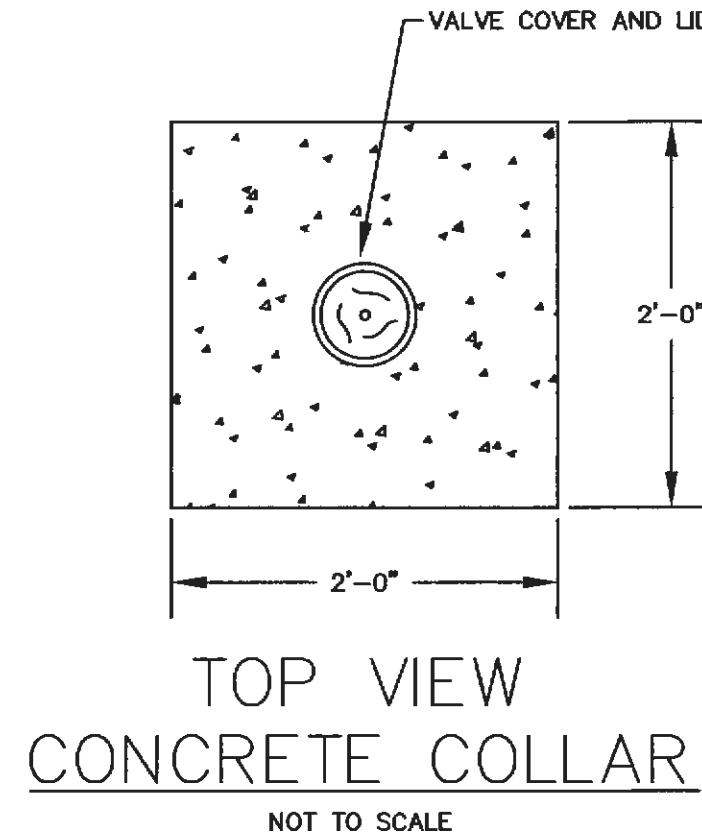
**STRADDLE BLOCK
 DETAILS**



CONCRETE THRUST BLOCKING
 NOT TO SCALE

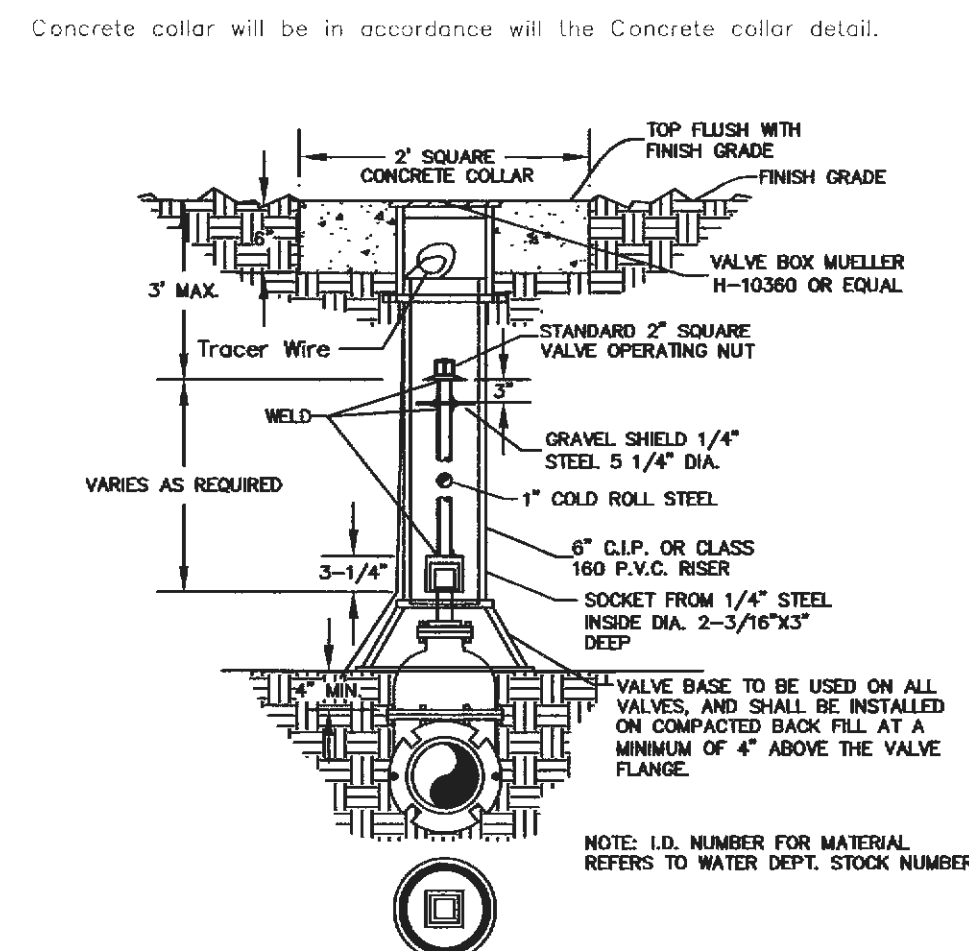
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**CONCRETE THRUST
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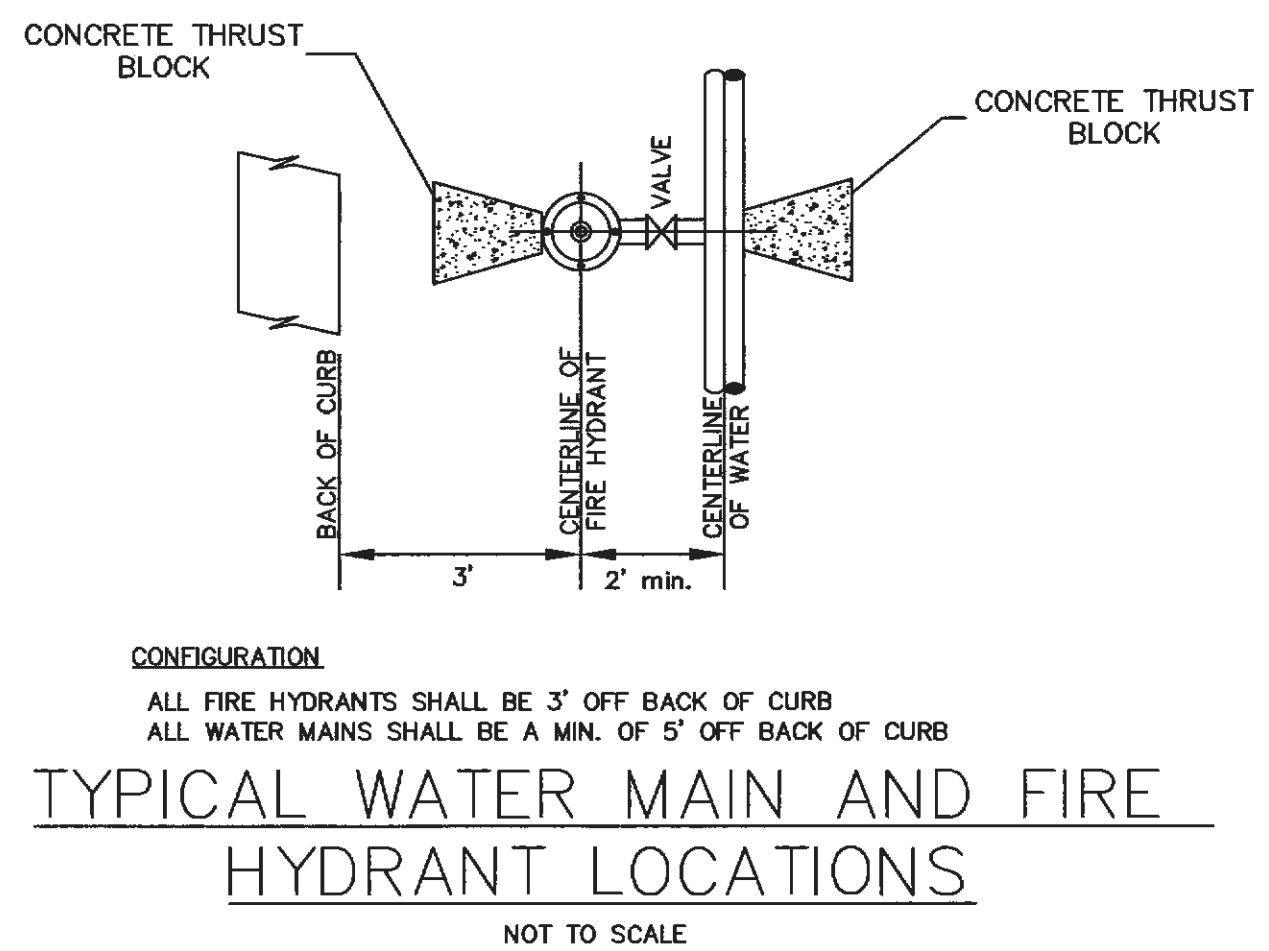
**CONCRETE
 COLLAR DETAIL**



WATER VALVE DETAIL
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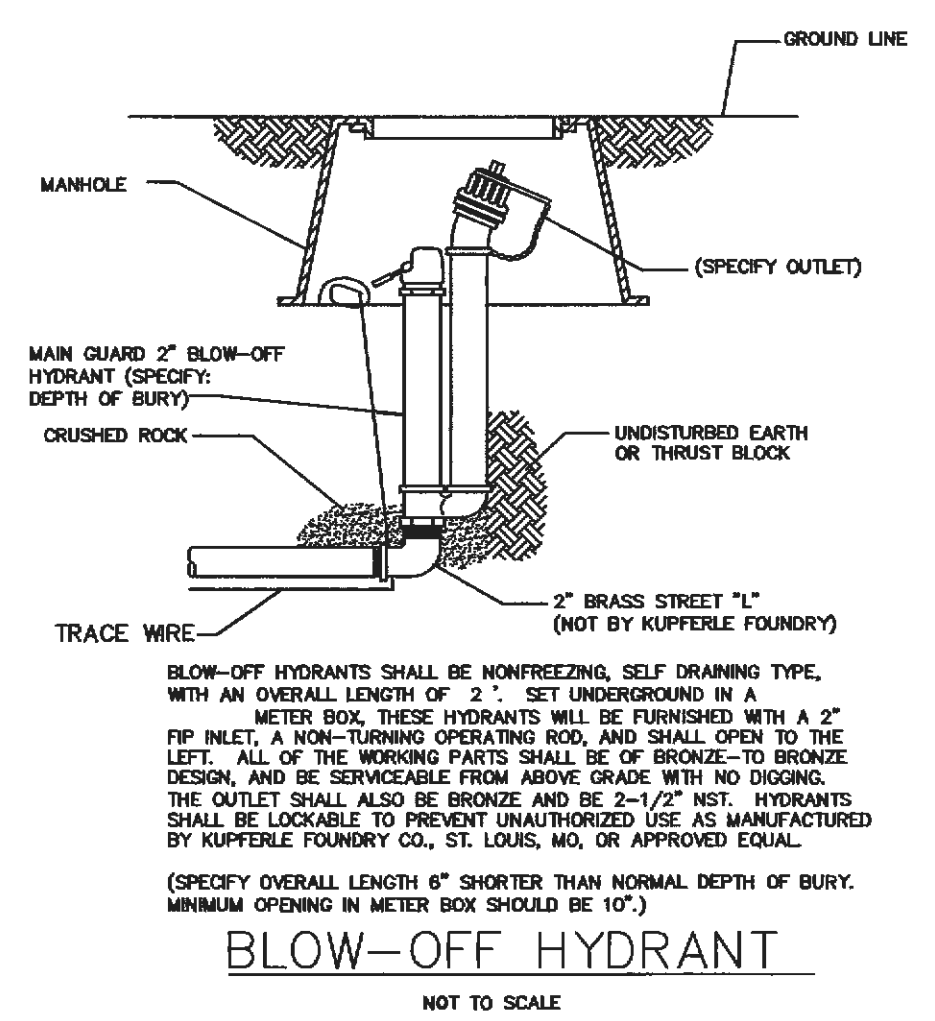
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**WATER
 VALVE DETAIL**



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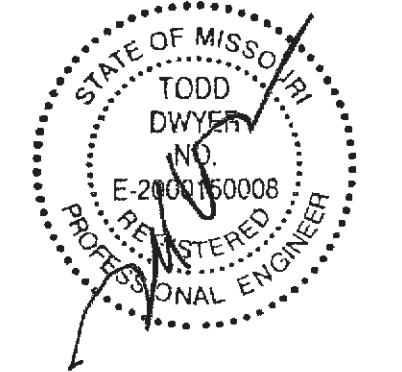
**WATER MAIN
 FIRE HYDRANT DETAIL**



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**BLOW-OFF
 HYDRANT DETAIL**

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P+Z No: 3805.05.02
 Approval Date: 02/05/2015
 City No.

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CITY OF O'FALLON WATER DETAILS