

BENDS	"b"	"c"	"d"	"e"	"f"
6"-11 1/4"	8"	15"	12"	24"	10"
6"-22 1/2"	8"	19"	12"	24"	13"
6"-45"	8"	30"	12"	24"	15"
6"-90"	8"	30"	12"	24"	28"
6"-11 1/4"	8"	22"	12"	24"	10"
6"-22 1/2"	8"	26"	12"	24"	13"
6"-45"	8"	31"	12"	24"	15"
6"-90"	8"	30"	12"	24"	28"
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"	60"	12"	24"	50"
18"-11 1/4"	TL	28"	20"	24"	28"
18"-22 1/2"	TL	39"	20"	24"	38"
18"-45"	TL	50"	20"	24"	58"
18"-90"	TL	51"	20"	24"	80"
24"-11 1/4"	TL	34"	24"	24"	28"
24"-22 1/2"	TL	48"	24"	24"	38"
24"-45"	TL	74"	24"	24"	55"
24"-90"	TL	138"	24"	24"	80"
30"-11 1/4"	TL	40"	28"	24"	40"
30"-22 1/2"	TL	56"	28"	24"	58"
30"-45"	TL	101"	28"	24"	60"
30"-90"	TL	158"	28"	24"	80"

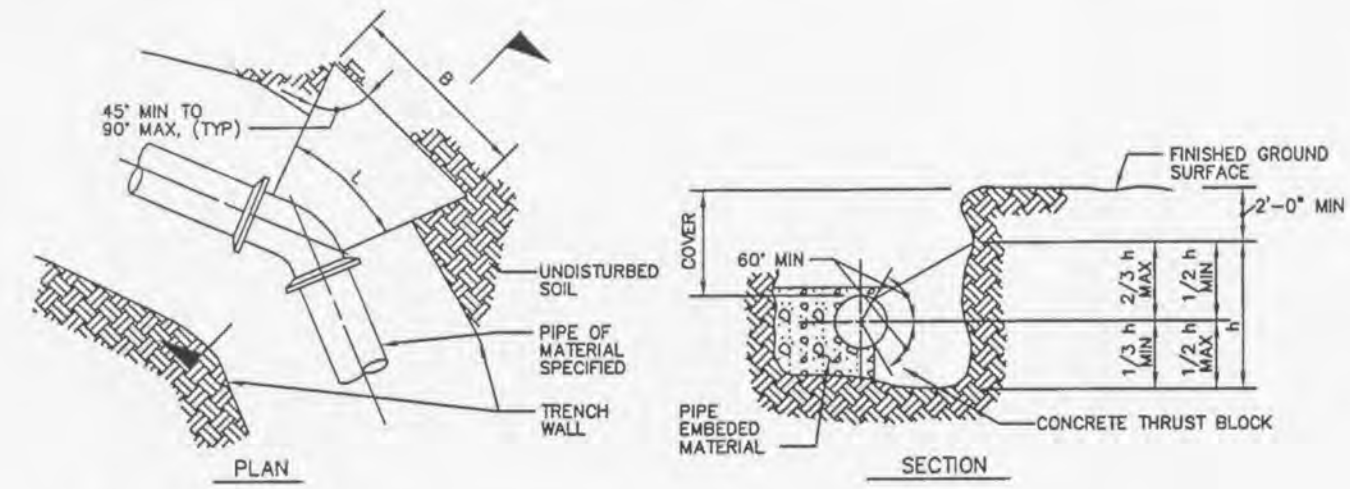
TEES	"a"	"b"	"c"	"d"	"e"	"f"
6"x6"x6"	12"	24"	24"	18"		
6"x6"x8"	12"	24"	24"	18"		
6"x6"x8"	12"	24"	24"	18"		
12"x12"x6"	12"	24"	24"	18"		
12"x12"x6"	12"	24"	24"	18"		
12"x12"x8"	12"	24"	24"	18"		
12"x12"x8"	12"	24"	24"	18"		
12"x12"x12"	12"	36"	24"	18"		
24"x24"x16"	16"	53"	28"	153"		

- 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 18" through 30"=210 psi
 BEARING PRESSURE OF SOIL=2000 psi

BACKING BLOCKS
 NOT TO SCALE

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

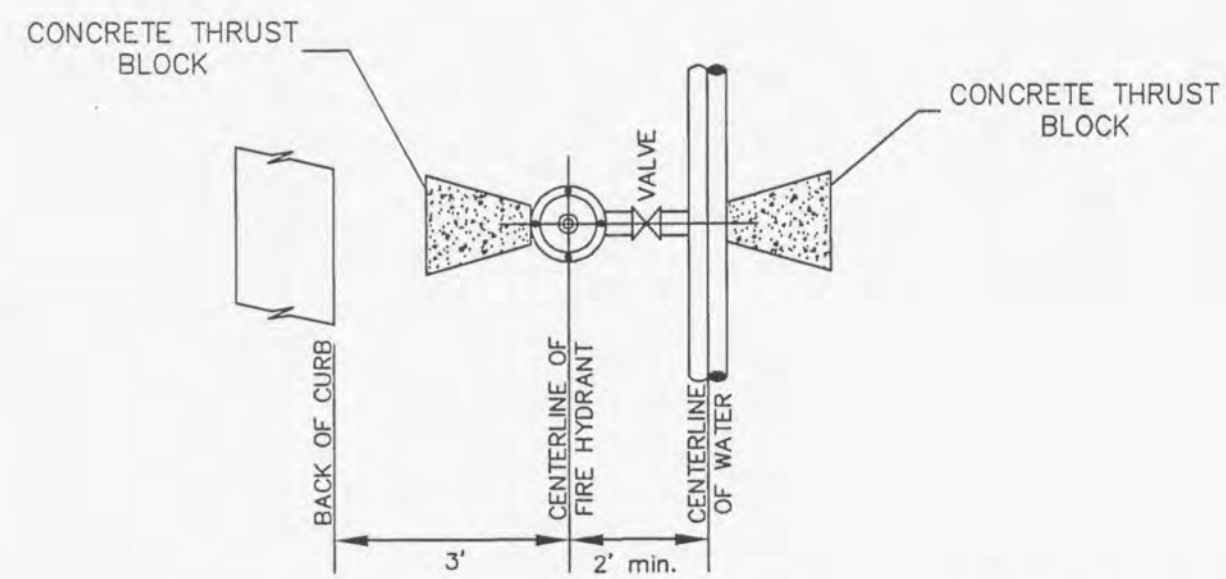


- NOTES:
 1. AREA OF BLOCK, A = BxH. BLOCK AREAS ARE SHOWN ON GENERAL LAYOUT OR TABLE.
 2. B = H = 7/8", EXCEPT WHERE TOP OF BLOCK IS WITHIN 2 FEET FROM GROUND SURFACE, THEN B = A/1.5.
 3. MINIMUM BLOCK DIMENSION (B & H) SHALL BE AT LEAST 60 OF PIPE OR 1 FOOT FOR PIPE 12" OR LESS.
 4. THE BOTTOM OF THE 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 DETAIL.

SIZE	BEND	THRUST AREA	B	H
10"	11 1/2"	4 SF	2'	2'
16"	45"	8 SF	2.8'	2.8'

CONCRETE THRUST BLOCKING
 NOT TO SCALE

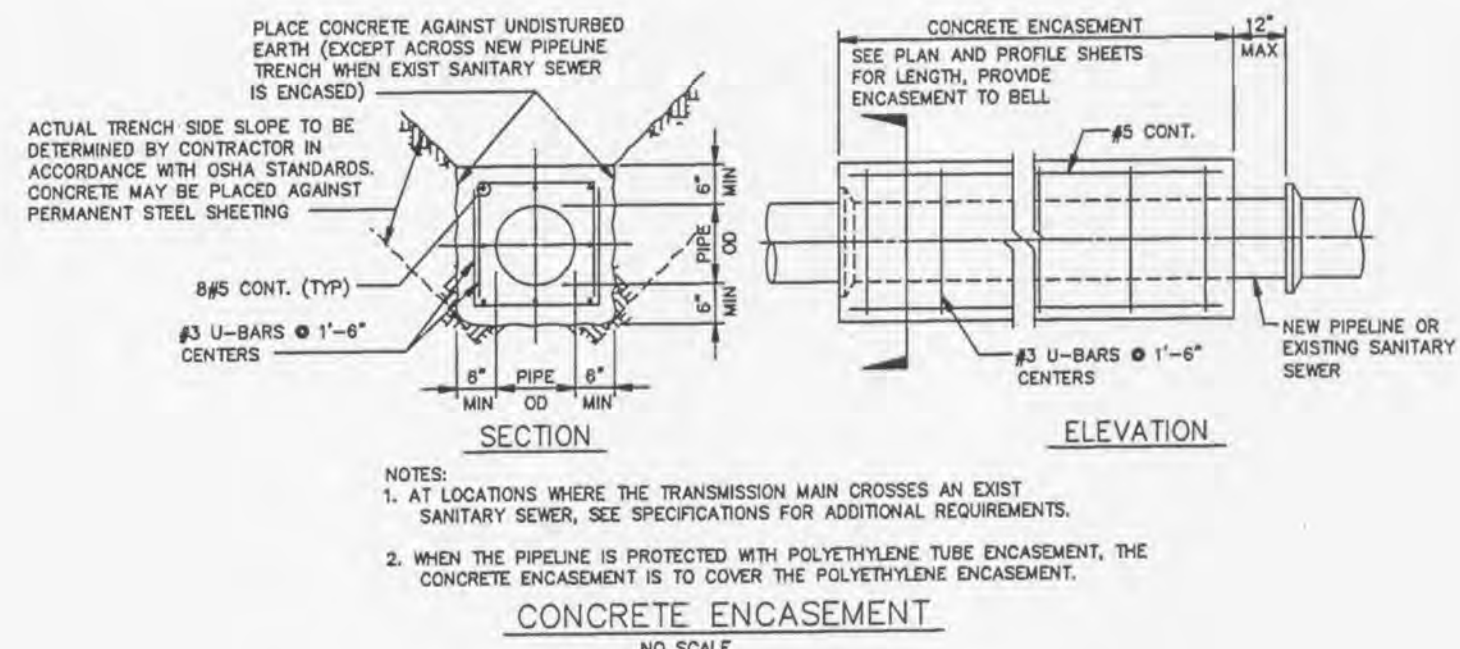
CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
**CONCRETE THRUST
 BLOCKING DETAILS**



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

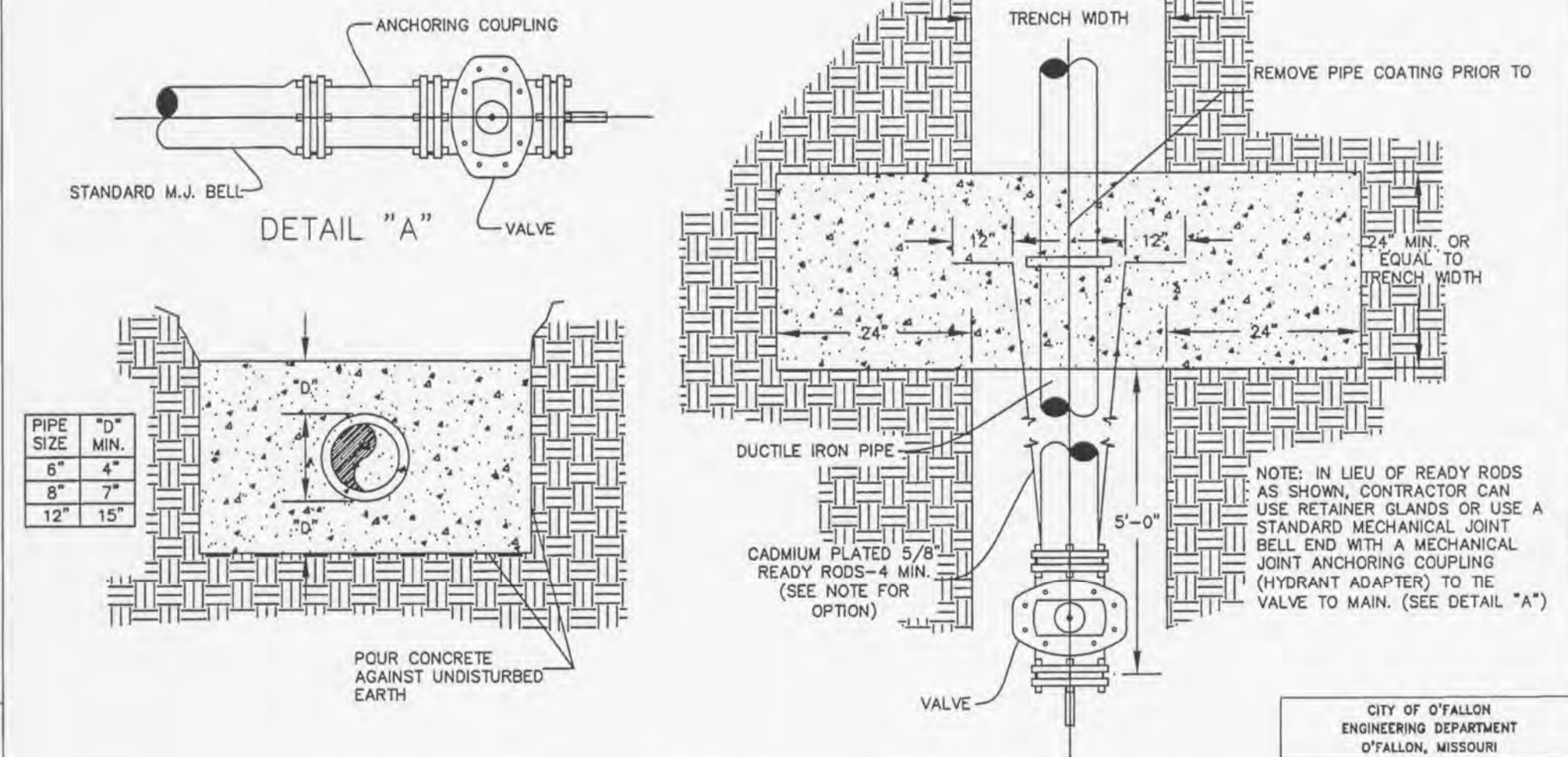
**TYPICAL WATER MAIN AND FIRE
 HYDRANT LOCATIONS**
 NOT TO SCALE

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



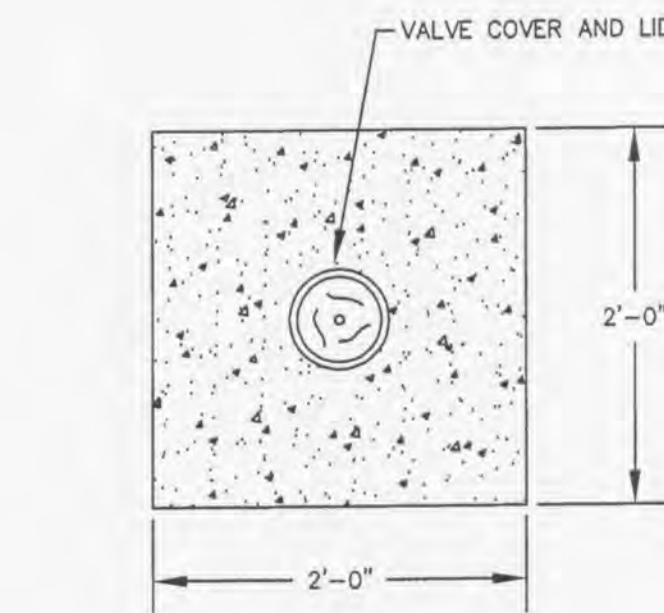
CONCRETE ENCASUREMENT
 NO SCALE

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 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
**CONCRETE ENCASUREMENT
 DETAILS**



STRADDLE BLOCK DETAIL
 NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
**STRADDLE BLOCK
 DETAILS**

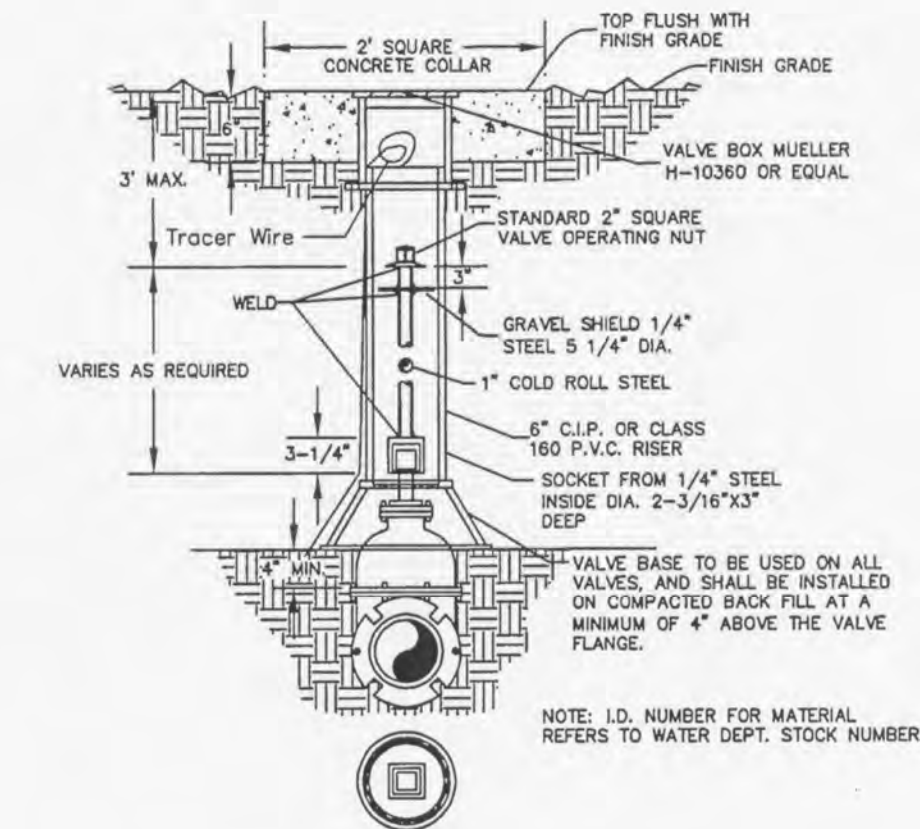


**TOP VIEW
 CONCRETE COLLAR**
 NOT TO SCALE

- Note : 1. Concrete collar joint pattern is required in paved areas such as roadways, driveways, sidewalks or other areas of paved surfaces.
 2. Concrete collars are optional in other non-paved areas.

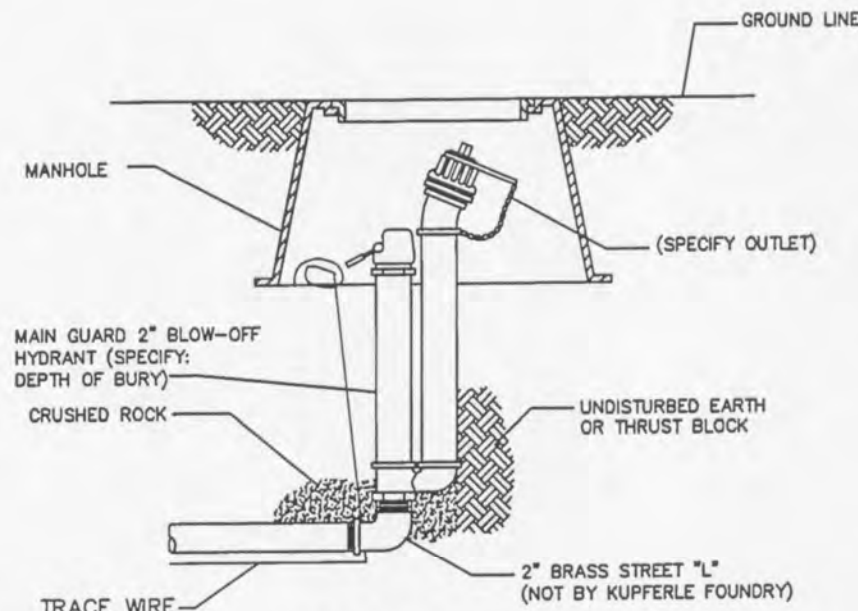
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 O'FALLON, MISSOURI
**CONCRETE
 COLLAR DETAIL**

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



WATER VALVE DETAIL
 NOT TO SCALE

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



BLOW-OFF HYDRANT
 NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
**BLOW-OFF
 HYDRANT DETAIL**

City of O'Fallon Standard Subdivision Notes and Details - June 2010

ISSUE	REMARKS/DATE
1	1-9-13 REVISED PER CITY COMMENTS
2	2-7-13 REVISED PER CITY COMMENTS
3	3-20-13 REVISED PER CITY COMMENTS
4	4-9-13 REVISED PER CITY COMMENTS

PROJECT TITLE

**WEATHERBY
 LANDING**
 O'FALLON, MISSOURI

THE STERLING CO.
 ENGINEERS & SURVEYORS
 5055 New Baumgartner Road
 St. Louis, Missouri 63129
 Ph 314-387-0440 Fax 314-487-8844
 www.sterling-eng-sur.com
 Corporate Certificate of Authority #001348

The Professional Engineer's seal and signature affixed to this sheet, together with the material and items shown on this sheet, constitute the entire contract. The engineer expressly disclaims any and all responsibility for such items, drawings or documents not exhibiting his seal and signature.



Date: 4/9/2013
 RODNEY ARNOLD
 License No. PE-2002016612
 Civil Engineer

MCBRIDE & SON HOMES LAND DEVELOPMENT, INC.
 16091 SWINGLEY RIDGE ROAD, STE. 300
 CHESTERFIELD, MISSOURI 63017
 Ph. 636-537-2000
 www.micbridehomes.com

CITY OF O'FALLON WATER DETAILS

P+Z No. 1305.05
 City No.
 Date: 11/12/2012
 Job No. 12-05-127

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