

BENDS	"8"	"10"	"12"	"14"	"16"	"18"	"20"	"24"	"30"
6"-11 1/4"	8"	15"	12"	24"	10"				
6"-22 1/2"	8"	15"	12"	24"	13"				
6"-45"	8"	30"	12"	24"	15"				
6"-90"	8"	30"	12"	24"	28"				
8"-11 1/4"	8"	20"	12"	24"	10"				
8"-22 1/2"	8"	20"	12"	24"	13"				
8"-45"	8"	30"	12"	24"	15"				
8"-90"	8"	30"	12"	24"	28"				
12"-11 1/4"	8"	30"	12"	24"	15"				
12"-22 1/2"	8"	30"	12"	24"	25"				
12"-45"	8"	40"	12"	24"	40"				
12"-90"	8"	60"	12"	24"	80"				
16"-11 1/4"	TL	28"	30"	24"	28"				
16"-22 1/2"	TL	39"	20"	24"	39"				
16"-45"	TL	50"	20"	24"	50"				
16"-90"	TL	91"	20"	24"	90"				
20"-11 1/4"	TL	34"	24"	28"	28"				
20"-22 1/2"	TL	48"	24"	28"	39"				
20"-45"	TL	74"	24"	28"	90"				
20"-90"	TL	130"	24"	28"	80"				
24"-11 1/4"	TL	40"	28"	28"	40"				
24"-22 1/2"	TL	56"	28"	28"	39"				
24"-45"	TL	101"	28"	28"	60"				
24"-90"	TL	185"	28"	28"	60"				
30"-11 1/4"	TL	49"	34"	30"	49"				
30"-22 1/2"	TL	79"	34"	30"					
30"-45"	TL	154"	34"	30"					
30"-90"	TL	285"	34"	30"					

TEES	"10"	"12"	"14"	"16"	"18"
6"x6"x6"	12"	24"	24"	18"	
8"x8"x8"	12"	24"	24"	18"	
8"x8"x8"	12"	24"	24"	18"	
12"x12"x12"	12"	24"	24"	18"	
12"x12"x12"	12"	24"	24"	18"	
12"x12"x12"	12"	24"	24"	18"	
24"x24"x12"	12"	36"	24"	36"	

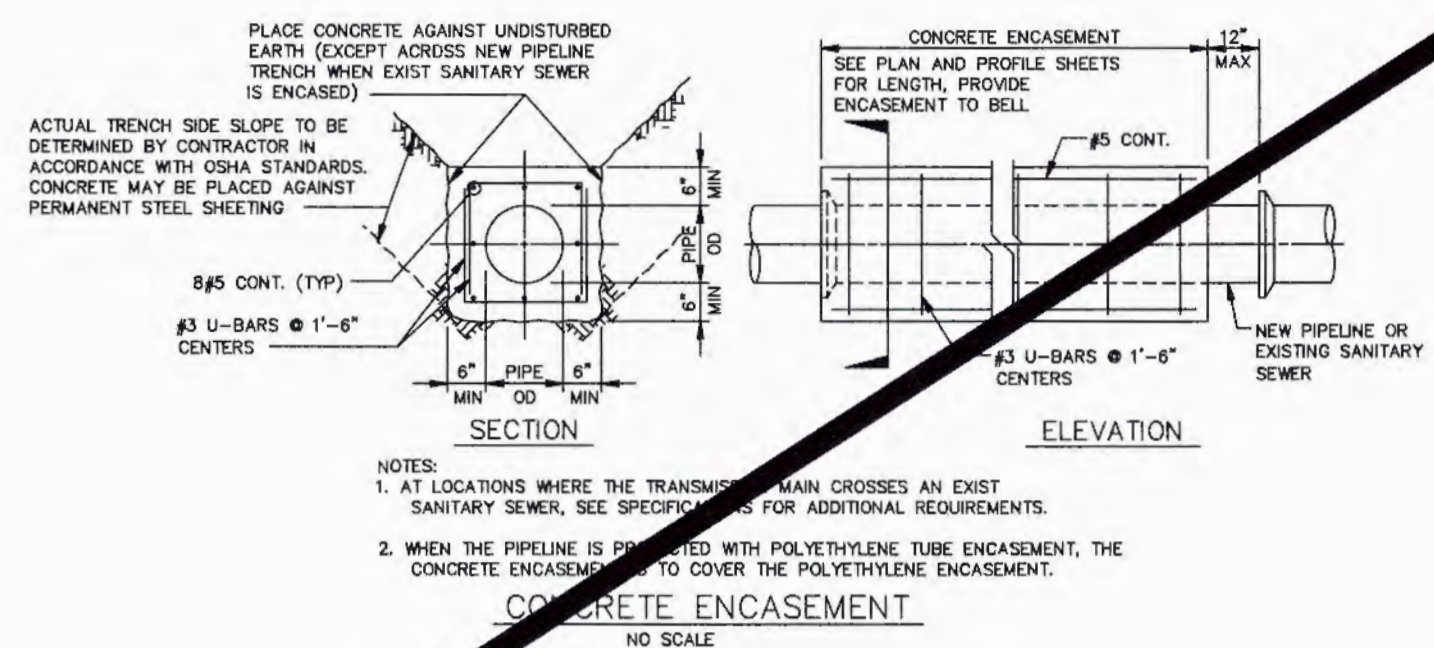
- NOTES:
 1. 2" & 4" FITTINGS EQUIVALENT TO 6" FITTINGS.
 2. TAPPING SLEEVES TO HAVE BACKING BLOCKS SAME SIZE AS REQUIRED FOR FITTING.
 3. "TL" = TOTAL LENGTH OF FITTING MINUS CLEARANCE FOR BELLS.

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

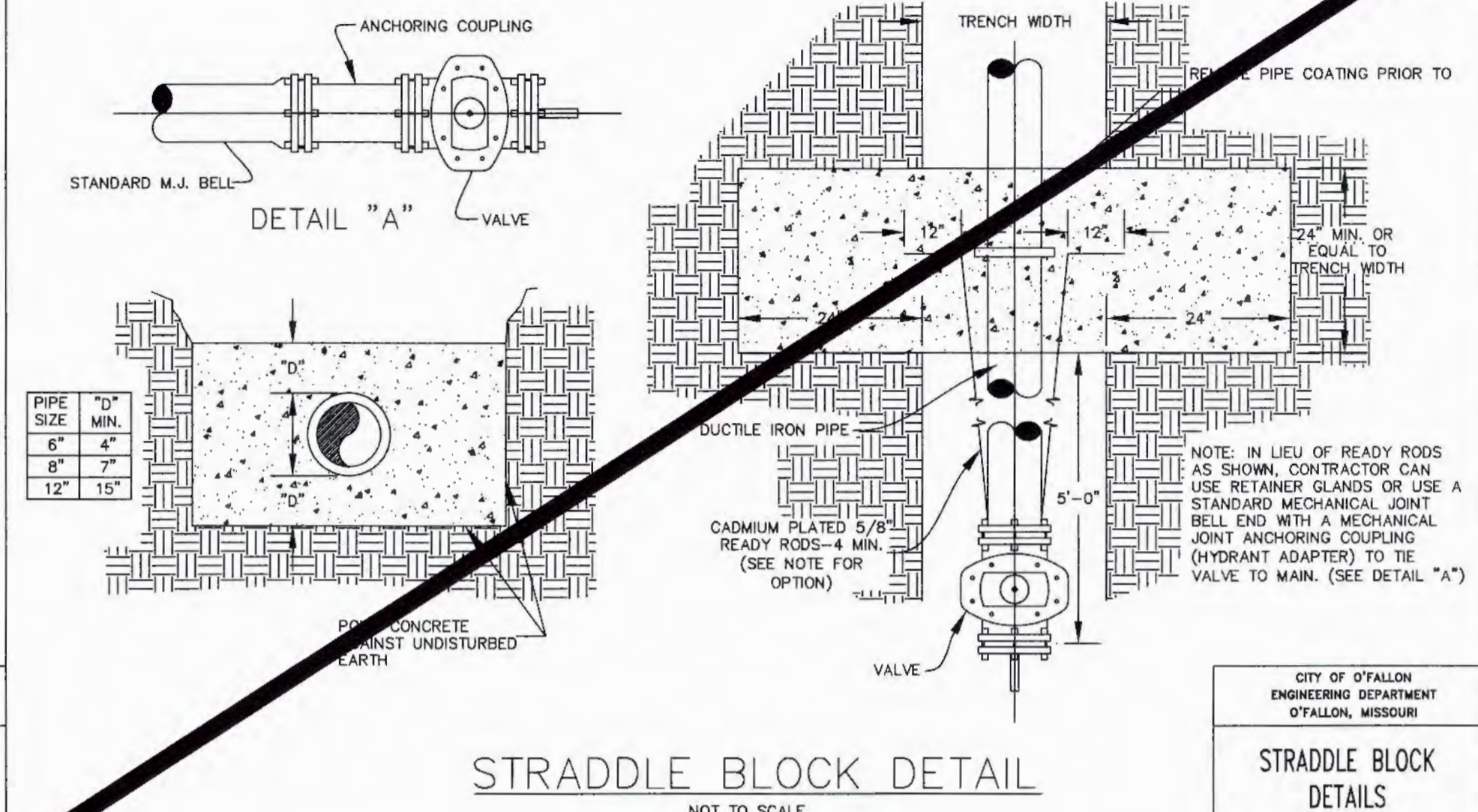
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

BACKING BLOCK DETAILS AND LOCATIONS



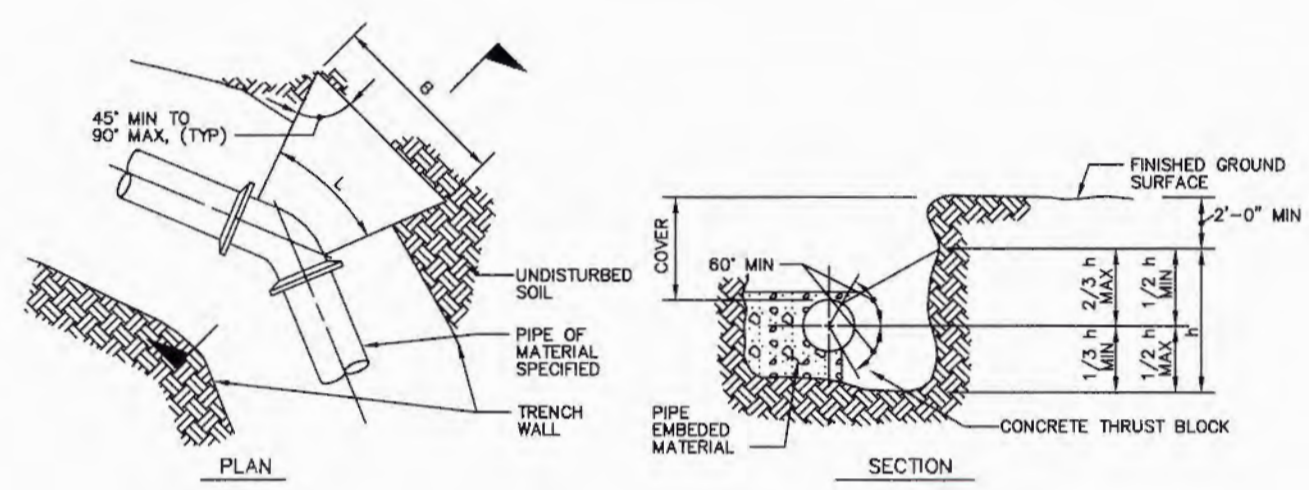
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

CONCRETE ENCASEMENT DETAILS



CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

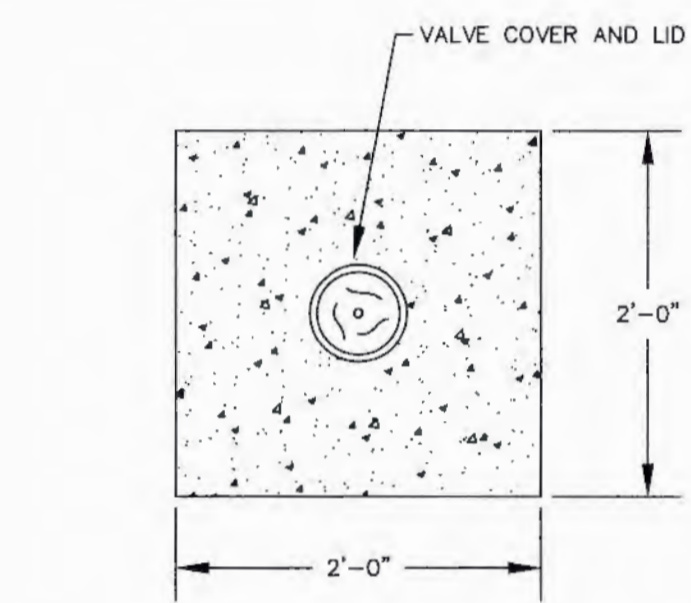
STRADDLE BLOCK DETAILS



CONCRETE THRUST BLOCKING
NOT TO SCALE

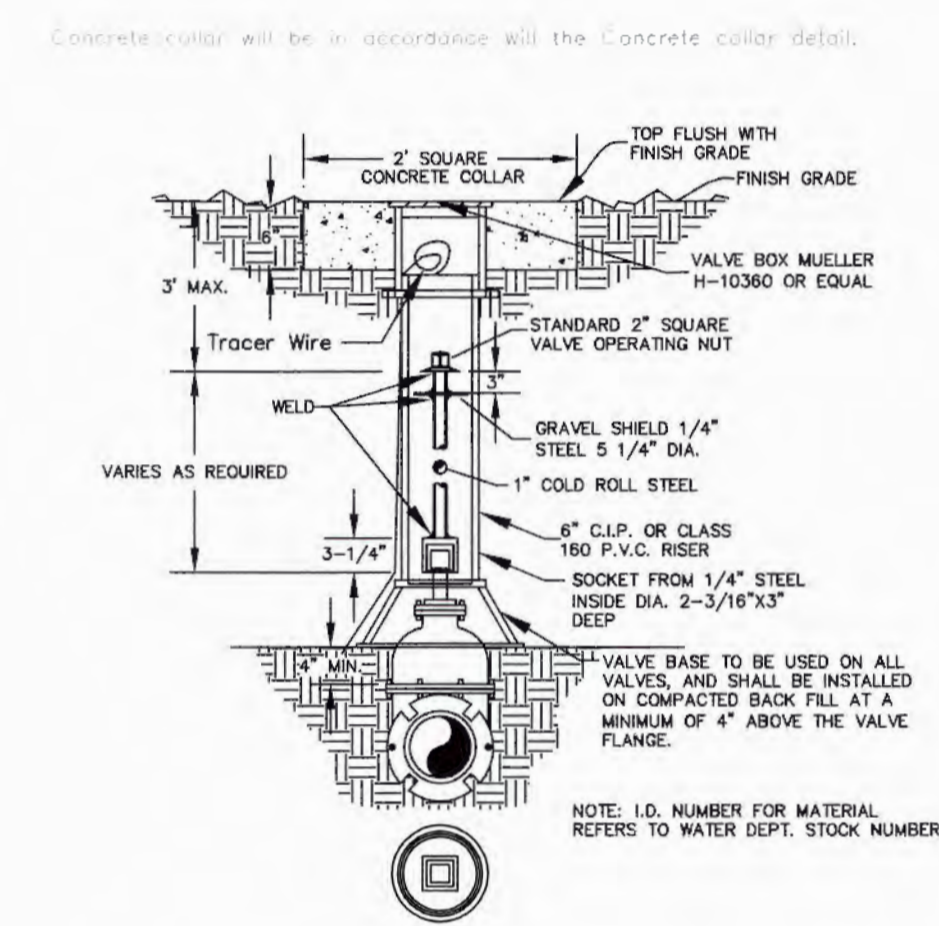
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

CONCRETE THRUST BLOCKING DETAILS



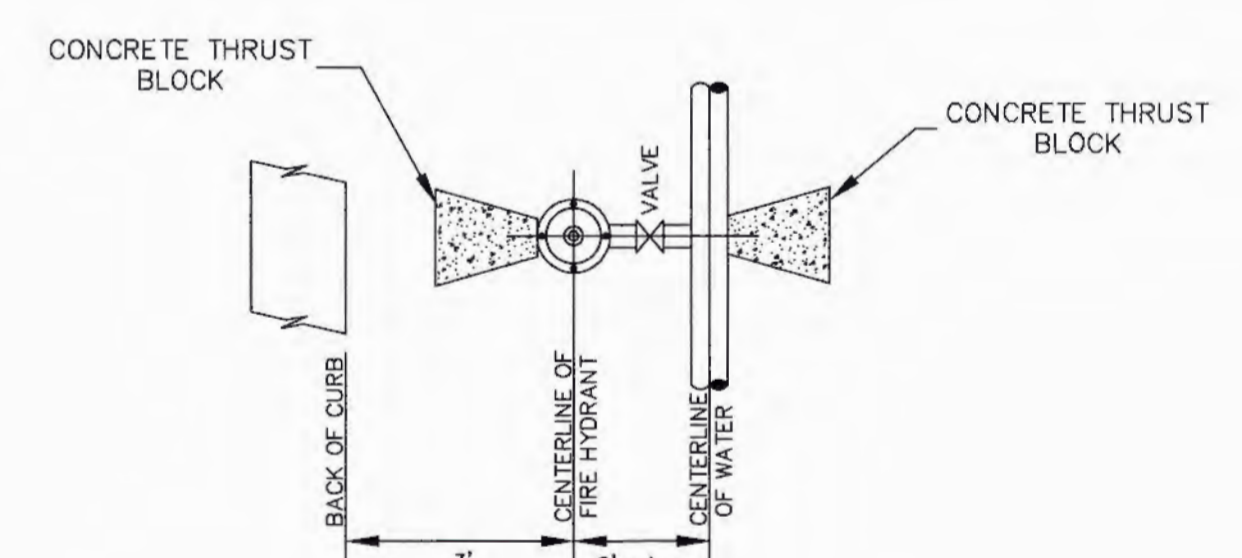
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CONCRETE COLLAR DETAIL



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ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

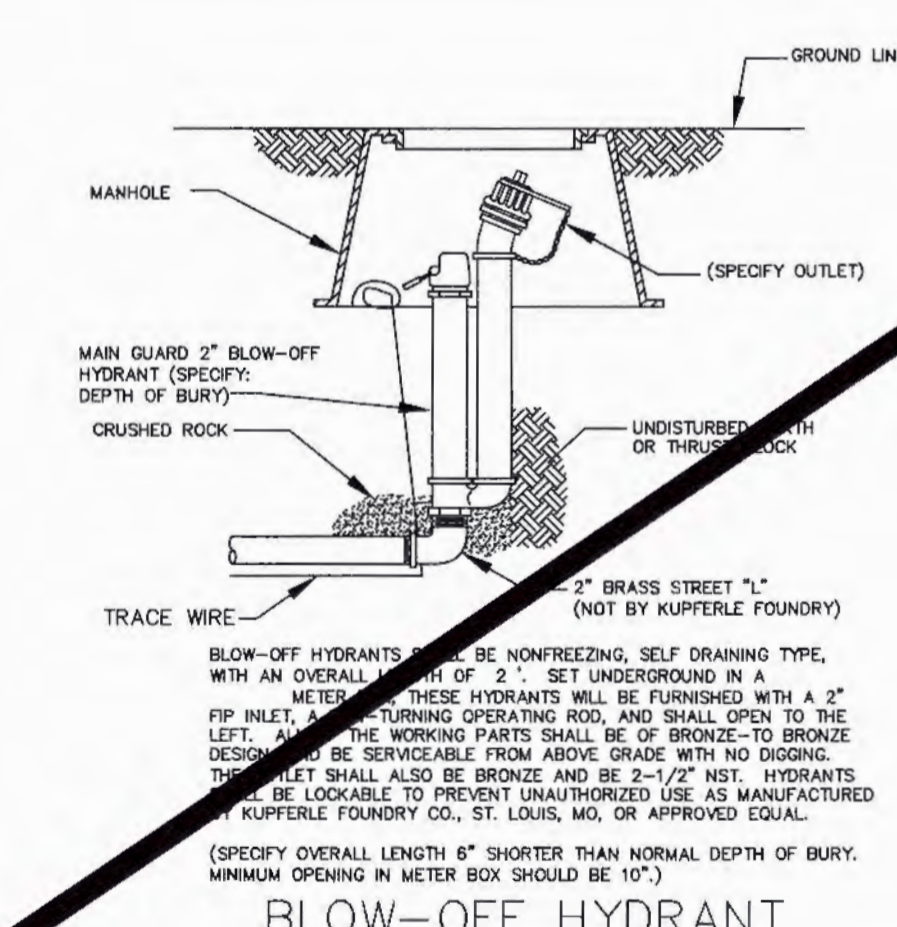
WATER VALVE DETAIL



TYPICAL WATER MAIN AND FIRE HYDRANT LOCATIONS
NOT TO SCALE

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O'FALLON, MISSOURI

WATER MAIN FIRE HYDRANT DETAIL



CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

BLOW-OFF HYDRANT DETAIL

PROJECT TITLE:
EL TIO PEPE MEXICAN RESTAURANT

315 WEST TERRA LANE
O'FALLON, ST. CHARLES, MISSOURI 63366

Box Project #97-6651A Issue Date: 04/12/2017

ENGINEERING
PLANNING
SURVEYING

221 Point West Blvd.
St. Charles, MO 63301
636-928-5532
FAX 636-928-1718

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 I hereby specify that the documents intended to be authorized by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

REFERENCE
DRAWING

REVISIONS	
09/19/17	CITY COMMENTS
10/04/17	CITY COMMENTS

Developer / Owner:
WR HOLMAN, LLC
2 HICKORY HILL DRIVE
O'FALLON, MISSOURI 63366
(636) 734-1815

WATER SERVICE DETAILS

P+Z No.	33-14.01
CUP No.	33-14.01.01
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City of O'Fallon Standard Subdivision Notes and Details - June 2010