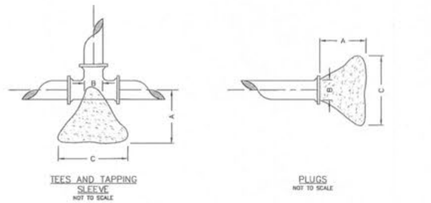


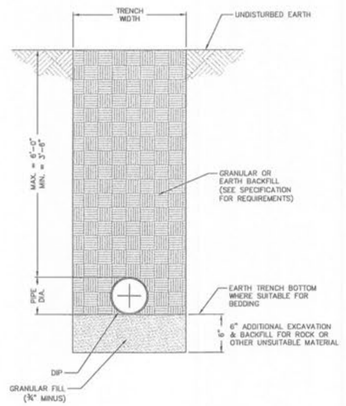
THRUST BLOCK DIMENSIONS - INCHES

PIPE DIA.	ALL FTGS.		TEE PLUG TAPPING		90 DEGREE BEND		45 DEGREE BEND		22-1/2 BEND		11-1/4 BEND	
	A	B	C	H	C	H	C	H	C	H	C	H
4	14	4	24	12	26	15	18	12	12	12	12	12
6	16	6	36	18	36	24	30	18	24	12	12	12
8	20	8	36	30	42	36	36	24	24	18	18	12
10	20	10	48	36	66	36	36	36	28	24	18	18
12	24	12	68	36	82	42	52	36	40	24	28	18

NOTE

FOR FITTINGS LARGER THAN 12", SPECIAL RESTRAINT DESIGNS ARE REQUIRED.

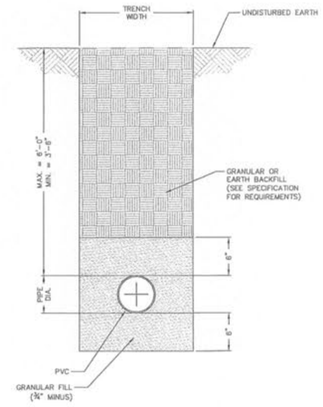
HORIZONTAL THRUST BLOCKING
DETAIL "C"



NOTES

SEE SPECIFICATIONS FOR ADDITIONAL DETAILS FOR BEDDING AND BACKFILL.

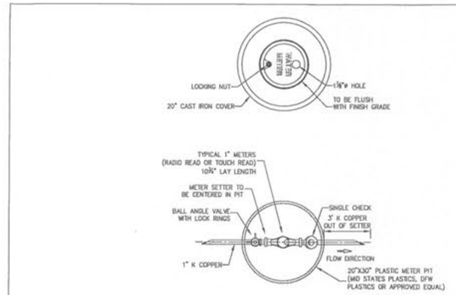
TYPICAL TRENCH SECTION
FOR DUCTILE IRON PIPE
NOT TO SCALE
DETAIL "A"
PAGE 2 OF 2



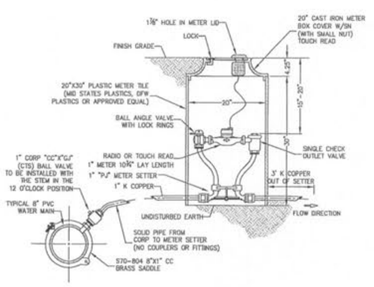
NOTES

SEE SPECIFICATIONS FOR ADDITIONAL DETAILS FOR BEDDING AND BACKFILL.

TYPICAL TRENCH SECTION
FOR PVC PIPE
NOT TO SCALE
DETAIL "A"
PAGE 1 OF 2



TYPICAL INSTALLATION
NOT TO SCALE



TYPICAL 1" RESIDENTIAL
WATER SERVICE
DETAIL "C"
NOT TO SCALE

PUBLIC WATER SUPPLY DISTRICT #2
OF SAINT CHARLES COUNTY

APRIL 20, 2005
Rev. MAY 1, 2009

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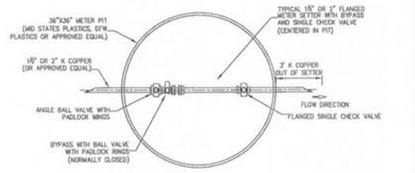
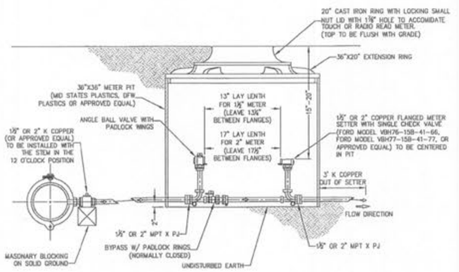
IRRIGATION





TYPICAL 1½" & 2"
WATER SERVICE
DETAIL "E"
NOT TO SCALE

PUBLIC WATER SUPPLY DISTRICT #2
OF SAINT CHARLES COUNTY

APRIL 20, 2005
Rev. SEPT. 5, 2007

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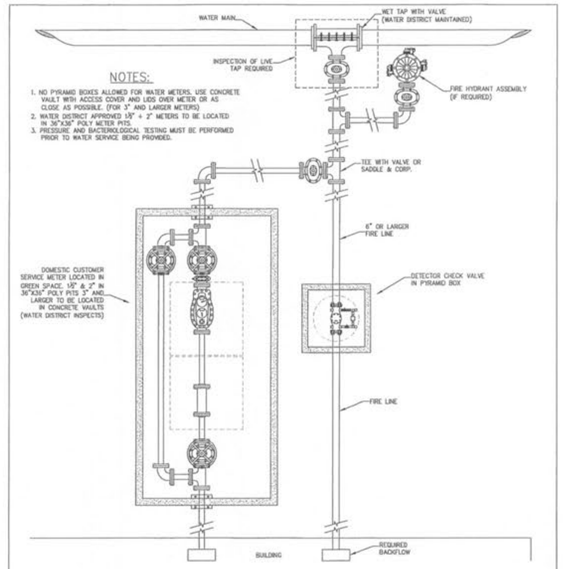
DOMESTIC



PLAN VIEW
NOT TO SCALE

TYPICAL COMMERCIAL SERVICE CONNECTION
WITH FIRE PROTECTION
DETAIL "H"

PUBLIC WATER SUPPLY DISTRICT #2
OF SAINT CHARLES COUNTY

APRIL 20, 2005
Rev. SEPT. 5, 2007

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FIRE

CHICK-FIL-A
O'FALLON, MO
(#2645)
FSR S08N-144-R
2106 HIGHWAY K
O'FALLON, MO
63366

GBC DESIGN, INC.
3378 W. Market St. Akron, OH 44333-3386
Phone 330-836-0228 Fax 330-836-5782

CONTACT:
GARY R. ROUSE

ENGINEER
SIGNATURE
BLOCK

STATE OF MISSOURI
GARY R. ROUSE
NUMBER
PE-2007035780
PROFESSIONAL ENGINEER
3/21/11

Chick-fil-A
5200 BUFFINGTON RD.
ATLANTA, GA 30349-2998
24 HOUR EMERGENCY CONTACT:
SCOTT D. PATMAN PH:404-305-4594

CIVIL CONSTRUCTION DETAILS

P+Z No. 1810.01

City No.

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C-5.2

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