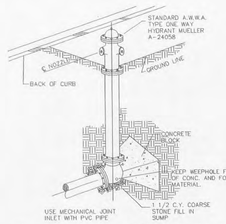
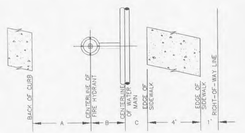


FLUSHING HYDRANT DETAIL

NOT TO SCALE

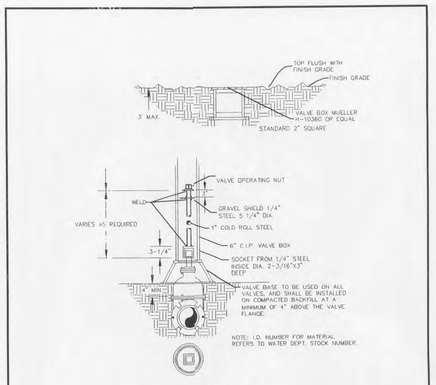


CONFIGURATION

	A	B	C
50' RIGHT-OF-WAY/26' PAVEMENT/WITHOUT SIDEWALK	3'	3'	N/A
50' RIGHT-OF-WAY/26' PAVEMENT/WITH SIDEWALK	3'	3'	1'

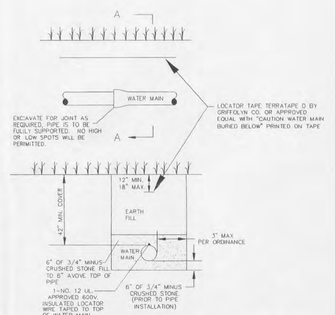
TYPICAL WATER MAIN AND FIRE HYDRANT LOCATIONS

NOT TO SCALE



WATER VALVE DETAIL

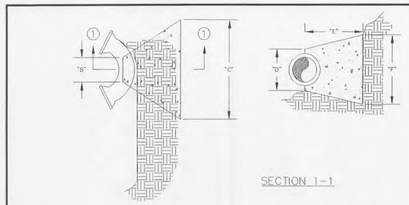
NOT TO SCALE



SECTION A-A

TYPICAL WATER MAIN INSTALLATION DETAILS

NOT TO SCALE



BENDS	"B"	"C"	"D"	"E"	"F"
6"-11 1/4°	8"	15"	12"	24"	10"
6"-22 1/2°	8"	19"	12"	24"	14"
6"-45°	8"	30"	12"	24"	21"
6"-90°	8"	30"	12"	24"	27"
8"-11 1/4°	8"	30"	12"	24"	10"
8"-22 1/2°	8"	27"	12"	24"	14"
8"-45°	8"	30"	12"	24"	24"
8"-90°	8"	35"	12"	24"	36"
12"-11 1/4°	8"	30"	12"	24"	15"
12"-22 1/2°	8"	35"	12"	24"	29"
12"-45°	8"	40"	12"	24"	40"
17"-90°	8"	60"	12"	24"	52"

TEES	"G"	"H"	"J"	"K"
6"x6"x6"	12"	24"	24"	18"
8"x8"x6"	12"	24"	24"	18"
8"x8"x8"	12"	24"	24"	18"
12"x12"x6"	12"	24"	24"	18"
12"x12"x8"	12"	24"	24"	24"
12"x12"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 TEES.

CUBIC FEET OF CONCRETE REQUIRED

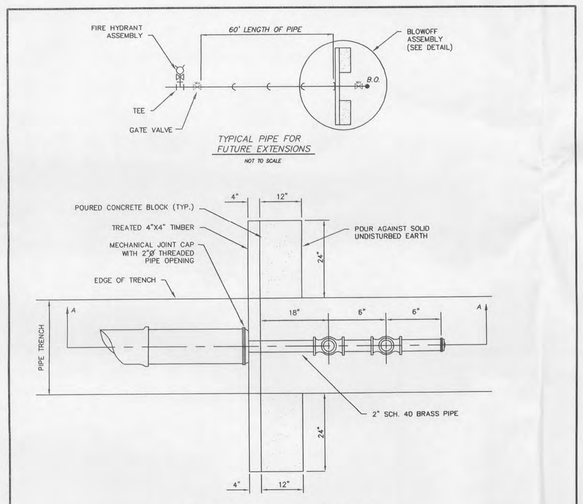
BEND	11 1/4°	22 1/2°	45°	90°
6"	1.7	2.4	3.5	5.5
8"	2.1	3.1	5.3	8.4
12"	3.7	5.9	9.7	17.5

TEE "A"	6"	8"	12"	PLUG
6"	40	–	–	4.0
8"	40	5.0	–	0.0
12"	40	5.5	10.5	10.5

NOTE: FOR 10" PIPE USE THE 12" TABLES

THRUST BLOCKS

NOT TO SCALE



TYPICAL PIPE FOR FUTURE EXTENSIONS

NOT TO SCALE

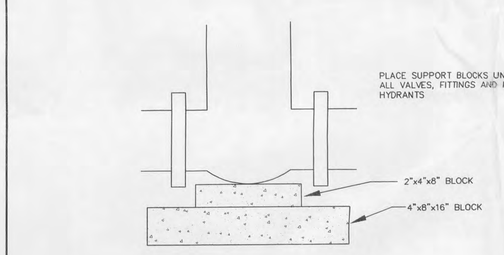
BLOWOFF PLAN – OVERHEAD VIEW

NOT TO SCALE

BLOWOFF PLAN – SECTION "A-A"

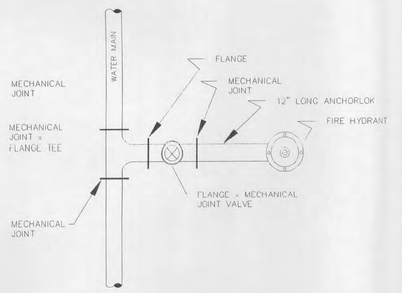
NOT TO SCALE

TEMPORARY BLOWOFF INSTALLATION DETAIL "G"



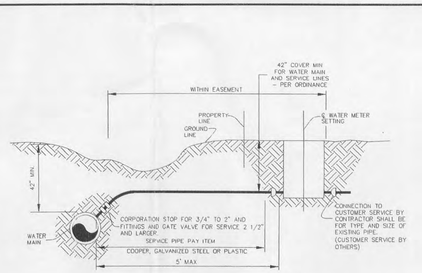
PRECAST CONCRETE SUPPORT BLOCK

NOT TO SCALE



DETAIL WATER MAIN CONNECTION TO FIRE HYDRANT

NOT TO SCALE



TYPICAL SERVICE ASSEMBLY

NOT TO SCALE

TYPICAL WATER AND SEWER SEPARATION

NOT TO SCALE

FILE #2002.04

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MEGAN CROSSING
MISSOURI STATE HIGHWAY K
O'FALLON, MISSOURI

Prepared For:
G. J. GREWE, INC.
9109 WATSON ROAD
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(314) 962-6300

REVISIONS

NO.	DATE

ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.

PICKETT, RAY & SILVER, INC

STATE OF MISSOURI
ERIC SCOTT KIRCHNER
E-2001004818
PROFESSIONAL ENGINEER
1/24/2005

DRAWN	DATE
D.STOSZ	04-27-04
CHECKED	DATE
D.BYRD	04-27-04

PROJECT # 03043.GJGR.00C
TASK # 1 FIELD BOOK

MEGAN CROSSING
WATER DETAILS

SHEET 12 OF 13

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