

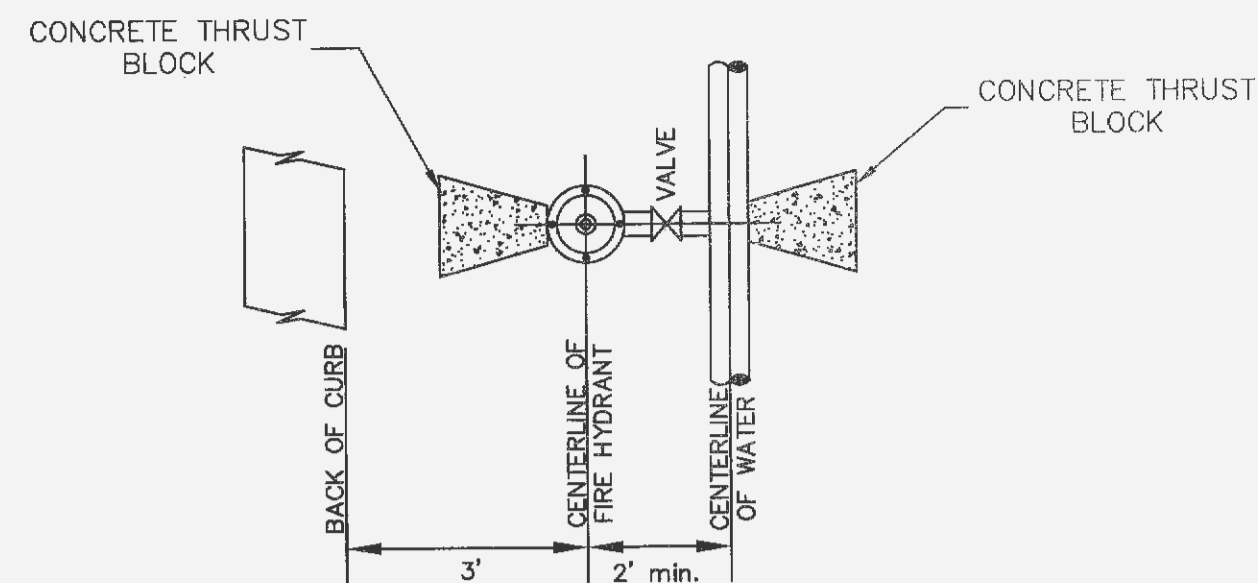
- NOTES:**
- AREA OF BLOCK, A = B/A. BLOCK AREAS ARE SHOWN ON GENERAL LAYOUT OR TABLE.
 - $B = H \times 1/4$, EXCEPT WHERE TOP OF BLOCK IS WITHIN 2 FEET FROM GROUND SURFACE, THEN $B = A/H$.
 - MINIMUM BLOCK DIMENSION (B & H) SHALL BE AT LEAST CD OF PIPE OR 1 FOOT FOR PIPE 12" OR LESS.
 - THE BOTTOM OF THE BLOCK SHALL EXTEND AT LEAST TO THE BOTTOM OF THE TRENCH IN ALL CASES.
 - L-FITTING LENGTH MINUS CLEARANCE FOR BELLS.
 - DETAIL IS SHOWN FOR CAST IRON PIPE. DETAIL IS SIMILAR FOR OTHER TYPES OF PIPE.
 - DIMENSIONS FOR THRUST BLOCKS FOR FIRE HYDRANT ASSEMBLY ARE SHOWN PER FIRE HYDRANT ASSEMBLY DETAIL.

SIZE	BEND	THRUST AREA	B	H
16"	11 1/2"	4.5F'	2'	2'
16"	45"	8.5F'	2.5'	2.5'

CONCRETE THRUST BLOCKING
NOT TO SCALE

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

CONCRETE THRUST BLOCKING DETAILS



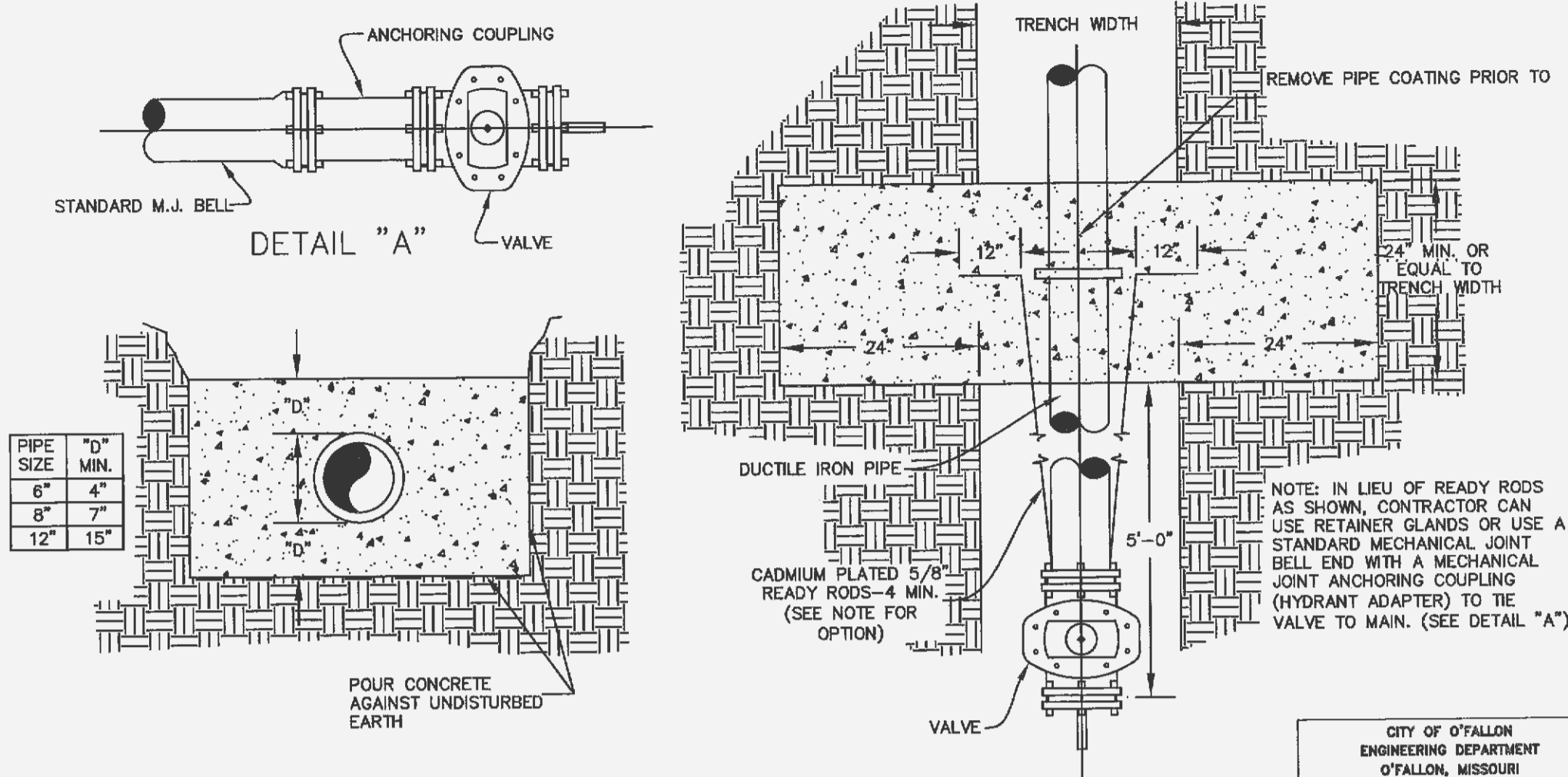
CONFIGURATION

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

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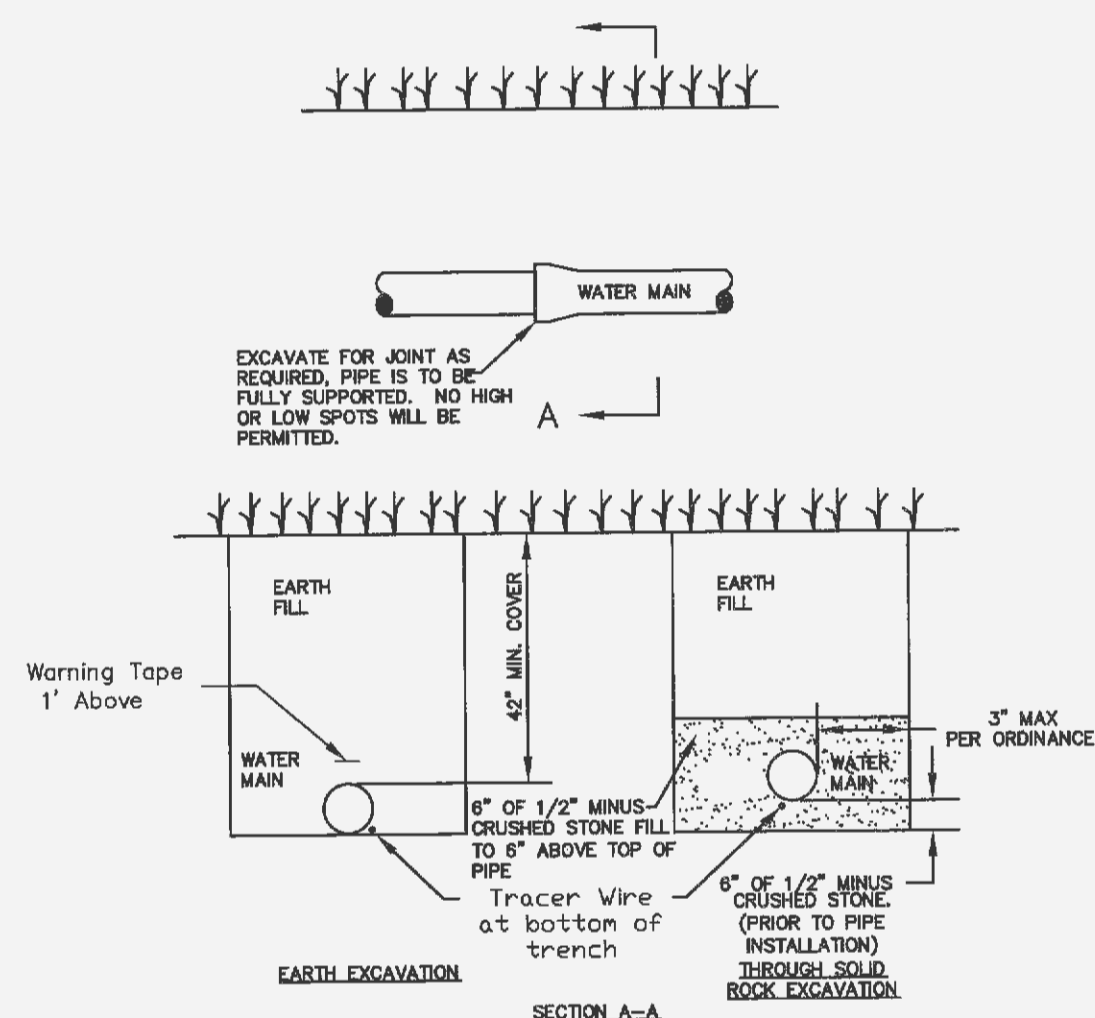
WATER MAIN FIRE HYDRANT DETAIL



STRADDLE BLOCK DETAIL
NOT TO SCALE

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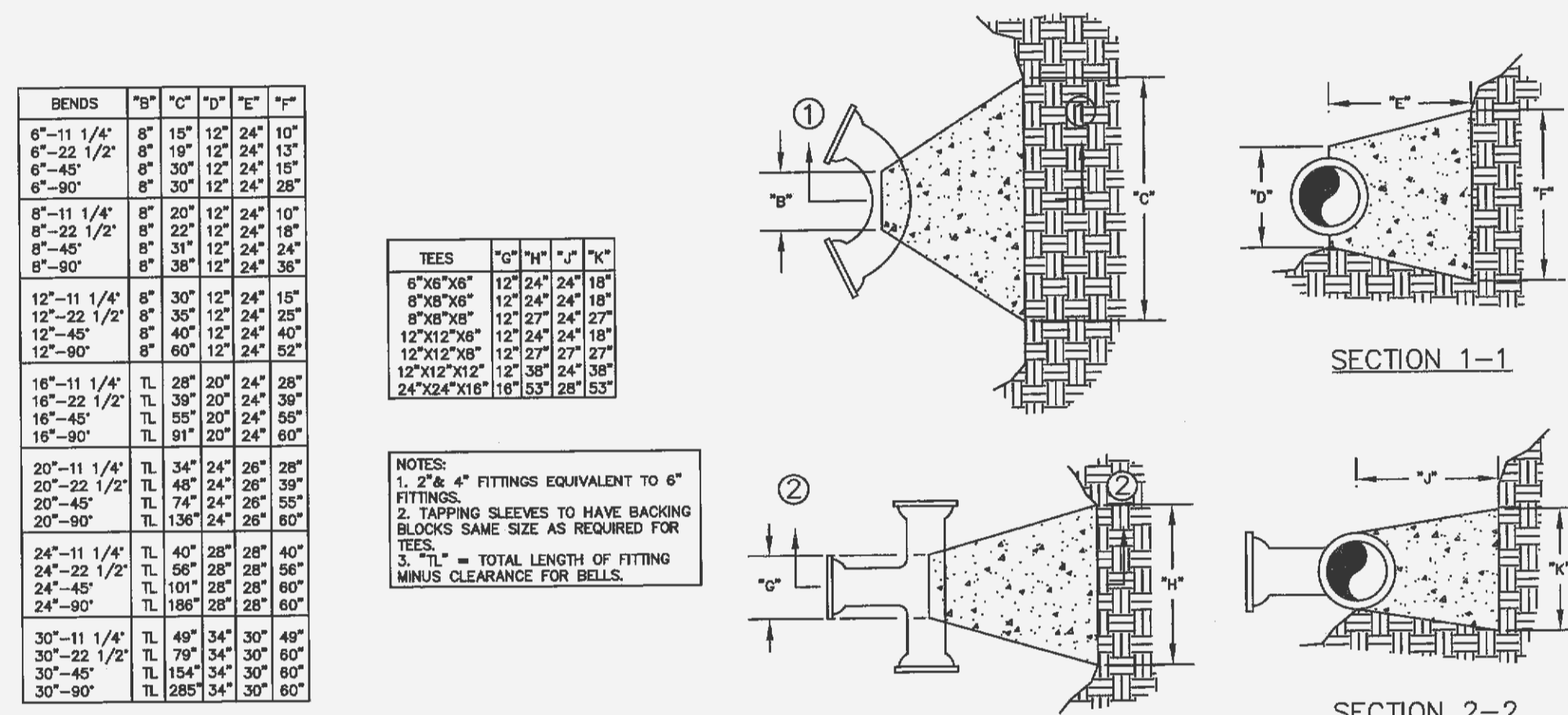
STRADDLE BLOCK DETAILS



TYPICAL WATER MAIN INSTALLATION DETAILS
NOT TO SCALE

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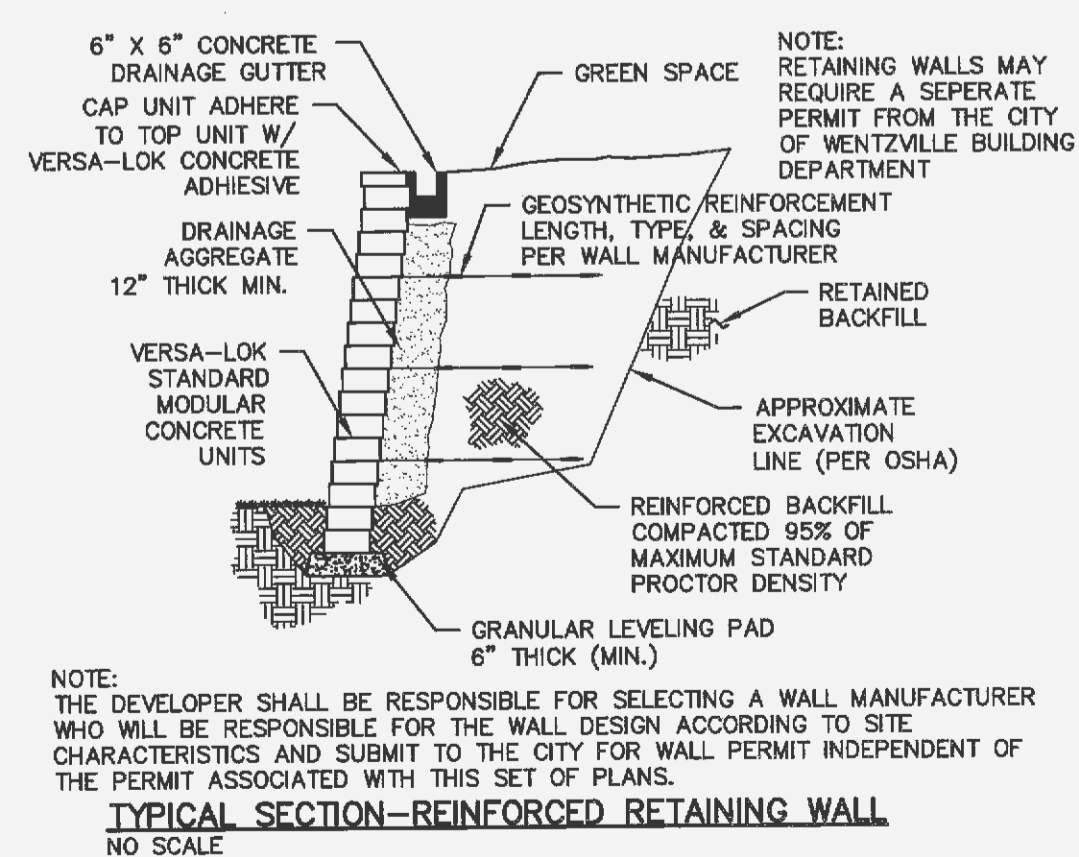
WATER MAIN INSTALLATION DETAIL



BACKING BLOCKS
NOT TO SCALE

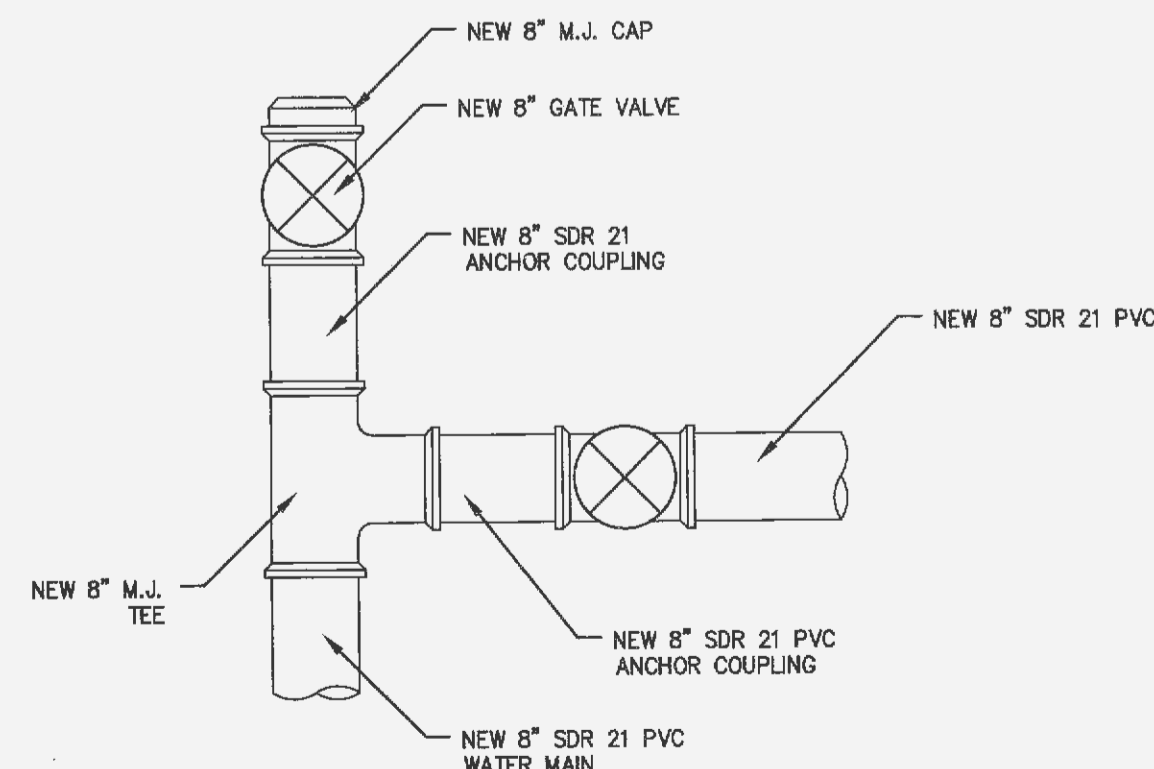
BACKING BLOCK DETAILS AND LOCATIONS

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

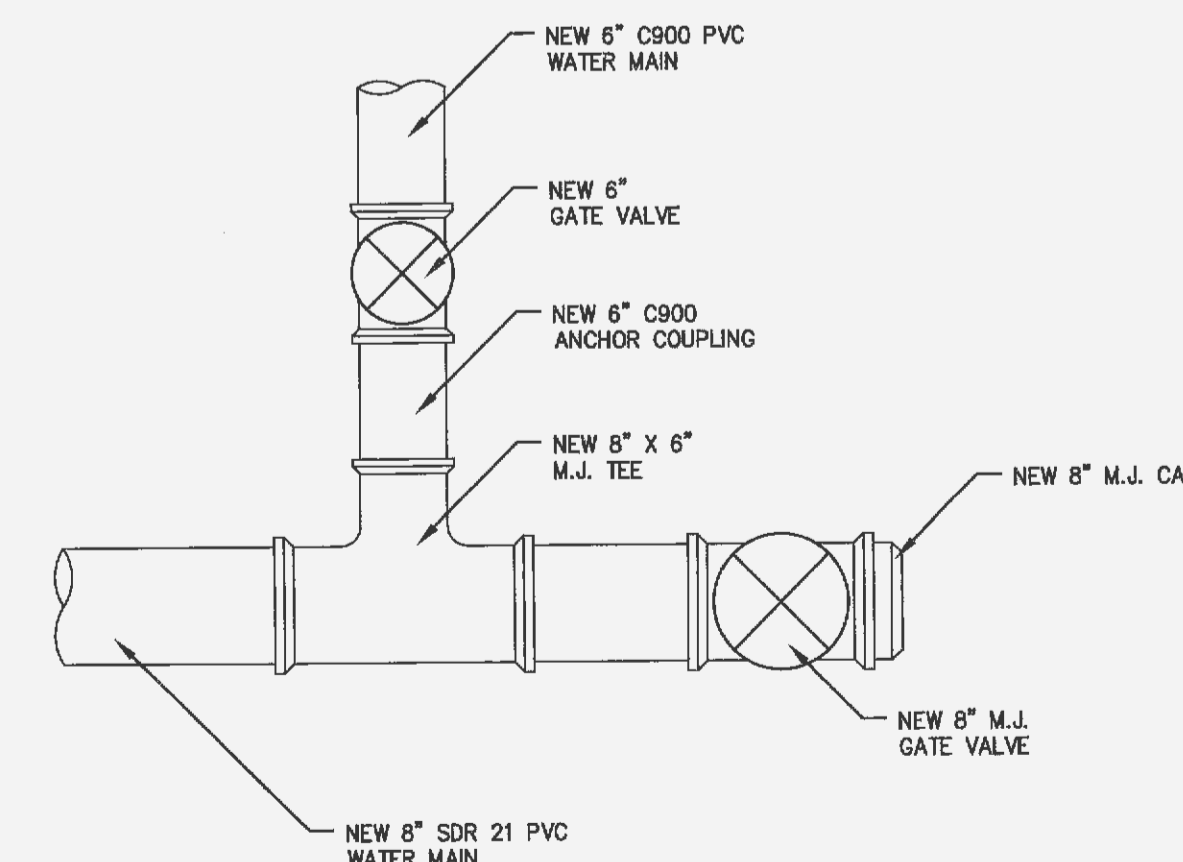


TYPICAL SECTION-REINFORCED RETAINING WALL
NO SCALE

NOTE: THE DEVELOPER SHALL BE RESPONSIBLE FOR SELECTING A WALL MANUFACTURER WHO WILL BE RESPONSIBLE FOR THE WALL DESIGN ACCORDING TO SITE CHARACTERISTICS AND SUBMIT TO THE CITY FOR WALL PERMIT INDEPENDENT OF THE PERMIT ASSOCIATED WITH THIS SET OF PLANS.



DETAIL "A"
NO SCALE



DETAIL "B"
NO SCALE

REVISION DATE:
11-19-13 PER CITY COMMENTS

MERS/GOODWILL

636-332-4574 (tel.)
636-327-0780 (fax)
www.mersgoodwill.com

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ERIC SCOTT KIRCHNER
E-2001004618
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI

DATE
Eric S. Kirchner No. E-2001004618
Registered Professional Engineer
State of Missouri
for Cochran Engineering & Surveying

Developer / Owner Information:
Mers/Goodwill
1727 Locust St.
St. Louis, MO 63103
314-241-3464

P+Z No.
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07/18/2010
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