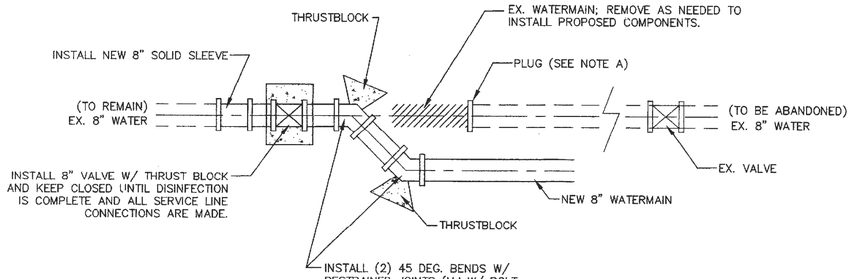
NOTES – ALL DETAILS THIS SHEET:
1) OPEN CUT INSTALLED PIPE SHALL HAVE RESTRAINED JOINTS USING A BOLT ON DEVICE TYPE SYSTEM. VALVES AND FITTINGS SHALL BE RESTRAINED USING A BOLT ON DEVICE TYPE SYSTEM AND INCLUDE THRUST BLOCKING.
2) OPEN CUT INSTALLATION TO BE USED FOR INSTALLATION OF ALL IMPROVEMENTS INDICATED ON THIS SHEET.
3) REMOVE EXISTING PIPE AND FITTINGS AS REQUIRED FOR CONNECTIONS.
4) SEE SHEET 45 FOR THRUST BLOCK AND CROSS BLOCKING DETAILS FOR USE AT FITTINGS AND VALVES.
5) NO DIRECT PAY FOR THRUST BLOCKS FOR VALVES OR BENDS. THRUST BLOCKS/COLLARS SHOWN ON DETAILS ARE SEPARATE.

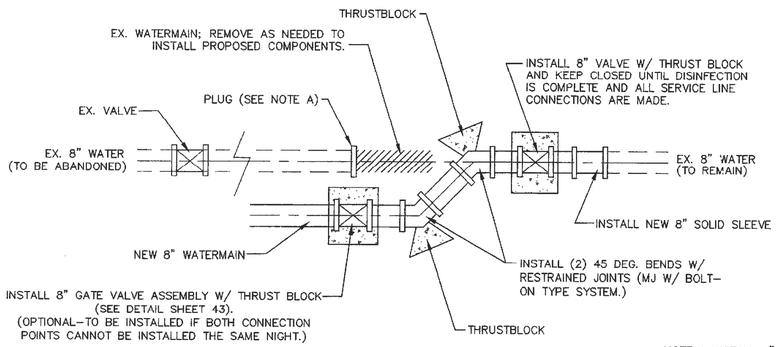


NOTE A: INSTALL 8" PLUG, CAP, AND THRUST BLOCK AFTER EX. WATERMAIN HAS BEEN TAKEN OFFLINE.

STA. 0+00 CONNECTION DETAIL

NOTE: ALL FITTINGS SHALL BE MECHANICALLY JOINTED.

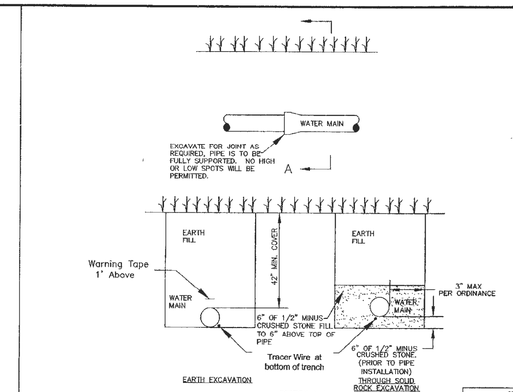
PHASING:
1) INSTALL NEW 8" MAIN TO FIRST 45° BEND AT STA. 0+00 AND INSTALL VALVE ON NEW MAIN NEAR STA. 9+25.05 (OPTIONAL–SEE BELOW). LEAVE EXISTING WATER MAIN IN USE.
2) INSTALL VALVES AT EXISTING MAIN NEAR STA. 0+00 AND NEAR STA. 9+25.05.
3) DISINFECT NEW MAIN LINE/TEST. (PROVIDE NECESSARY FITTINGS, CAPS, EQUIPMENT, ETC. FOR TESTING.)
4) RECONNECT SERVICE LINES.
5) PERFORM STA. 0+00 CONNECTION.
6) OPEN WATER IN NEW PIPE.
7) PERFORM REST OF STA. 9+25.05 CONNECTION.
8) COMPLETE ABANDONMENT OF EXISTING MAIN.



NOTE A: INSTALL 8" PLUG, CAP, AND THRUST BLOCK AFTER EX. WATERMAIN HAS BEEN TAKEN OFFLINE.

STA. 9+25.05 CONNECTION DETAIL

NOTE: ALL FITTINGS SHALL BE MECHANICALLY JOINTED.



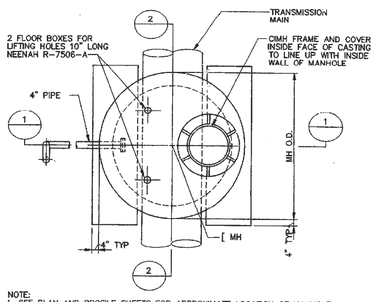
TYPICAL WATER MAIN INSTALLATION DETAILS

NOT TO SCALE

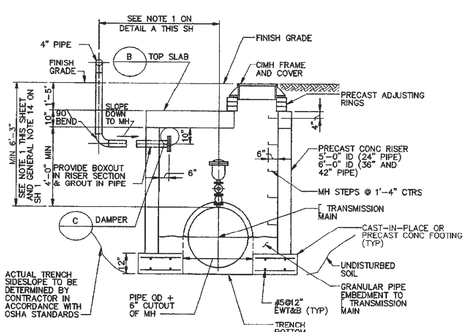
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

WATER MAIN INSTALLATION DETAIL

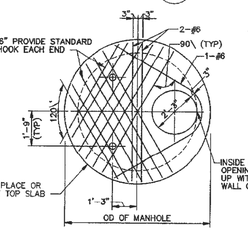
Ductile Iron Pipe installation shall follow the Ductile Iron Research Association (DIPRA) guide line.
The Installation of PVC Pipe shall follow the Uni–Bell PVC Pipe Association Handbook of PVC Design and Construction.



PLAN – COMBINATION AIR VALVE MANHOLE (CAV MH) A

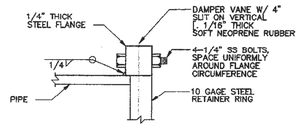


SECTION 1
NO SCALE

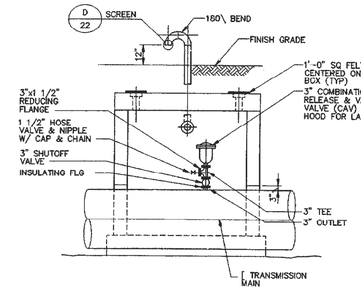


NOTES:
1. ALL REINF TO BE LOCATED IN BOTTOM FACE OF SLAB WITH 1" MINIMUM COVER.
2. TOP OF SLAB TO BE MARKED "TOP".

TOP SLAB B
NO SCALE



DAMPER C
NO SCALE



SECTION 2
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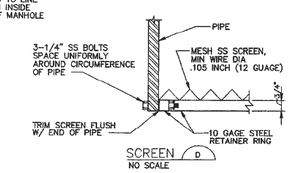

SCREEN D
NO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

BAX ENGINEERING CO., INC.
221 Point West Blvd.
St. Charles, MO 63301
Phone: 636-928-5552
Fax: 636-928-1718

PREPARED FOR: CITY OF O'FALLON

PROJECT NAME: ELAINE DRIVE IMPROVEMENTS
PROJECT NO.: 10-15142 DATE: 5/20/2014

REFERENCE DETAILS