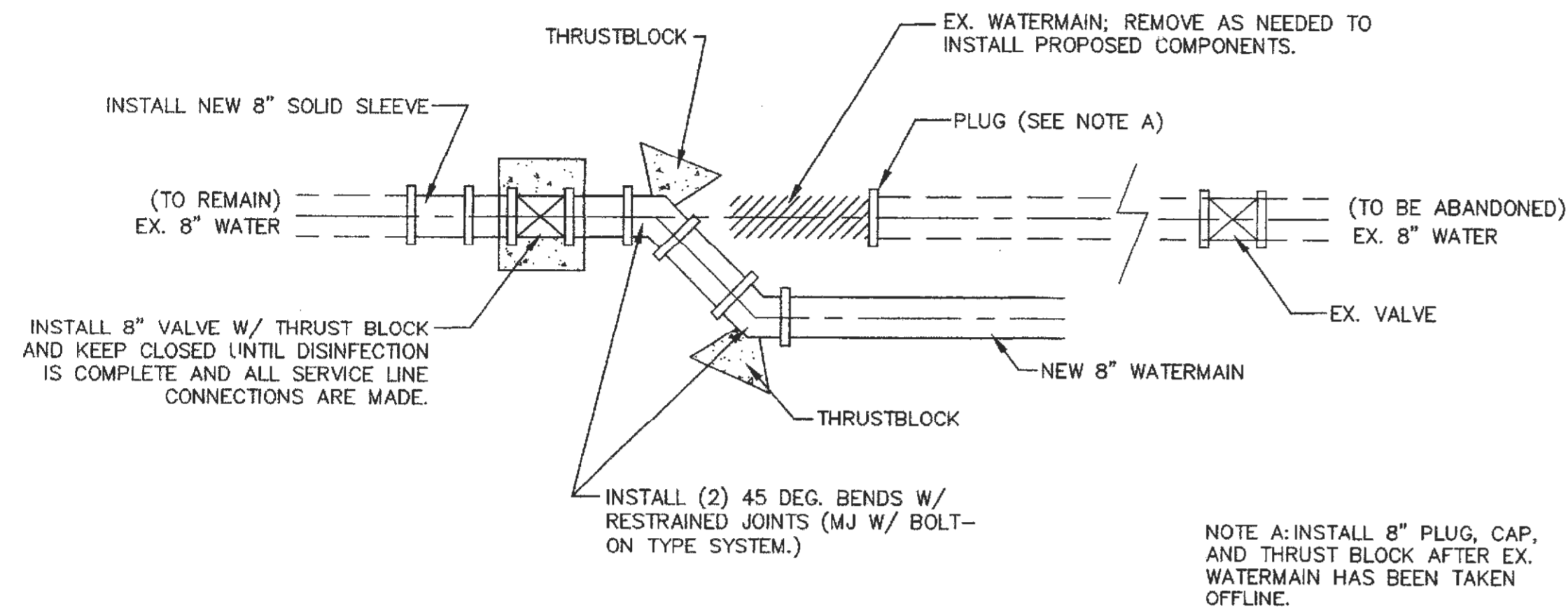


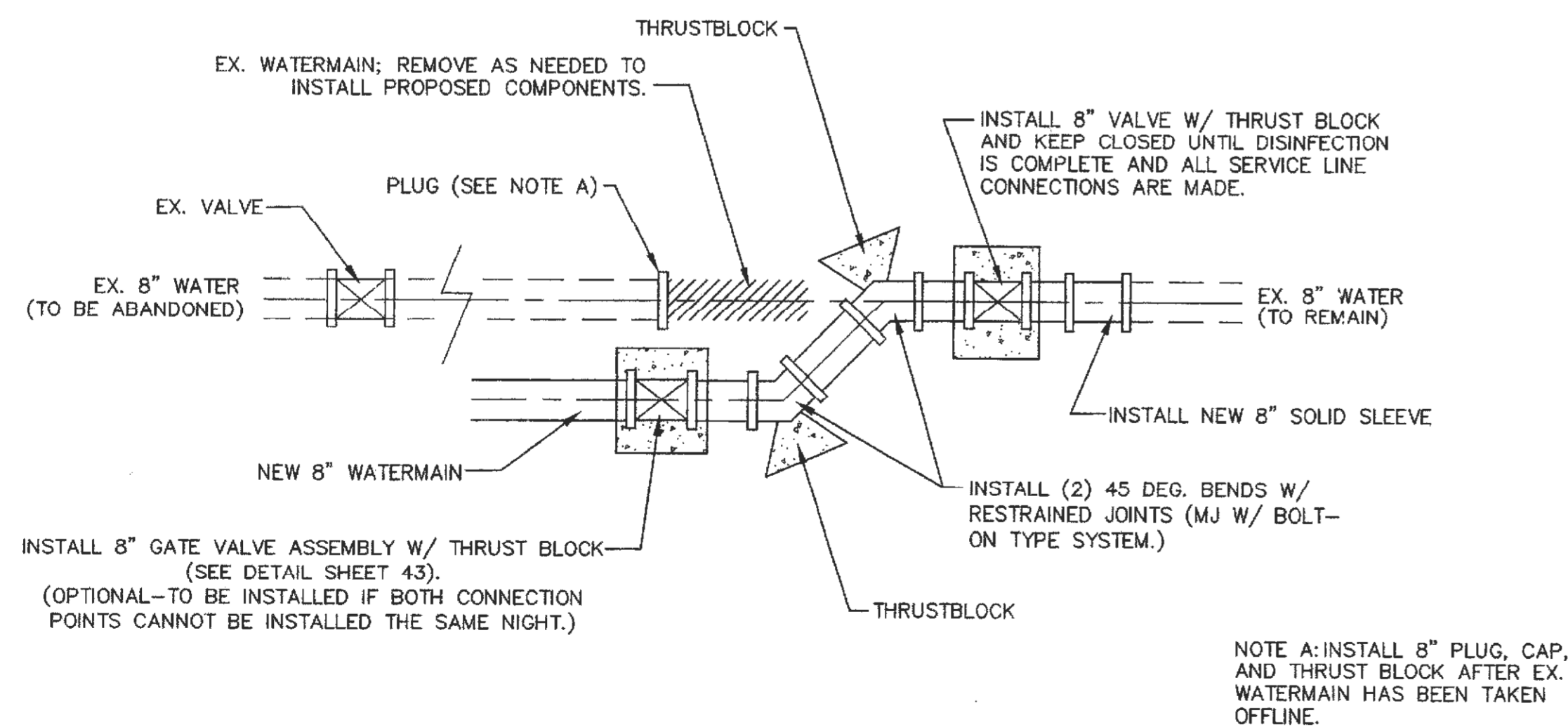
- NOTES - ALL DETAILS THIS SHEET:
- 1) OPEN CUT INSTALLED PIPE SHALL HAVE RESTRAINED JOINTS USING A BOLT ON DEVICE TYPE SYSTEM. VALVES AND FITTINGS SHALL BE RESTRAINED USING A BOLT ON DEVICE TYPE SYSTEM AND INCLUDE THRUST BLOCKING.
 - 2) OPEN CUT INSTALLATION TO BE USED FOR INSTALLATION OF ALL IMPROVEMENTS 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.



STA. 0+00 CONNECTION DETAIL

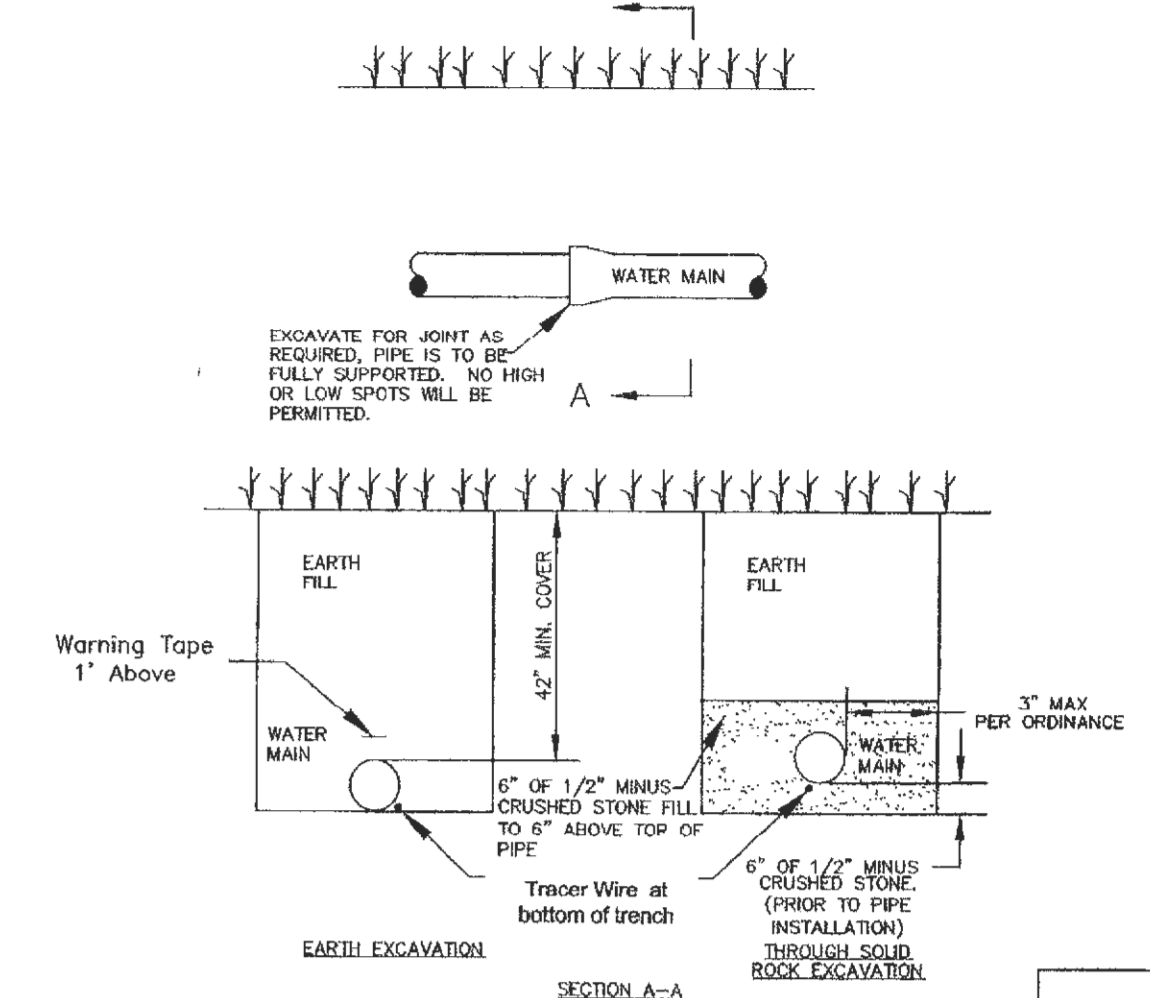
NOTE: ALL FITTINGS SHALL BE MECHANICALLY JOINTED.

- 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.



STA. 9+25.05 CONNECTION DETAIL

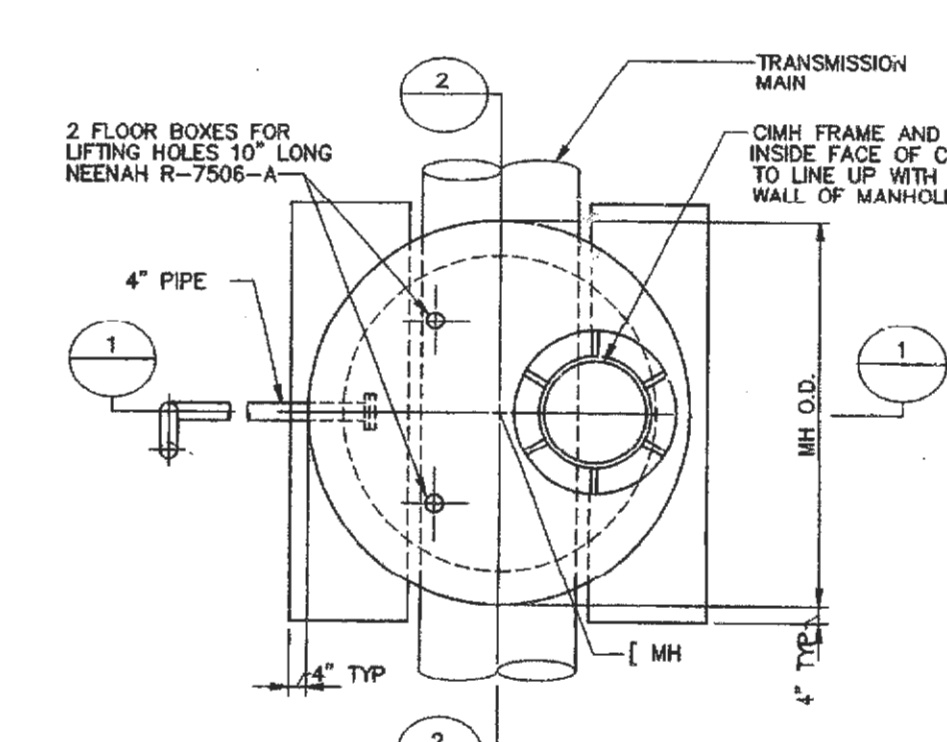
NOTE: ALL FITTINGS SHALL BE MECHANICALLY JOINTED.



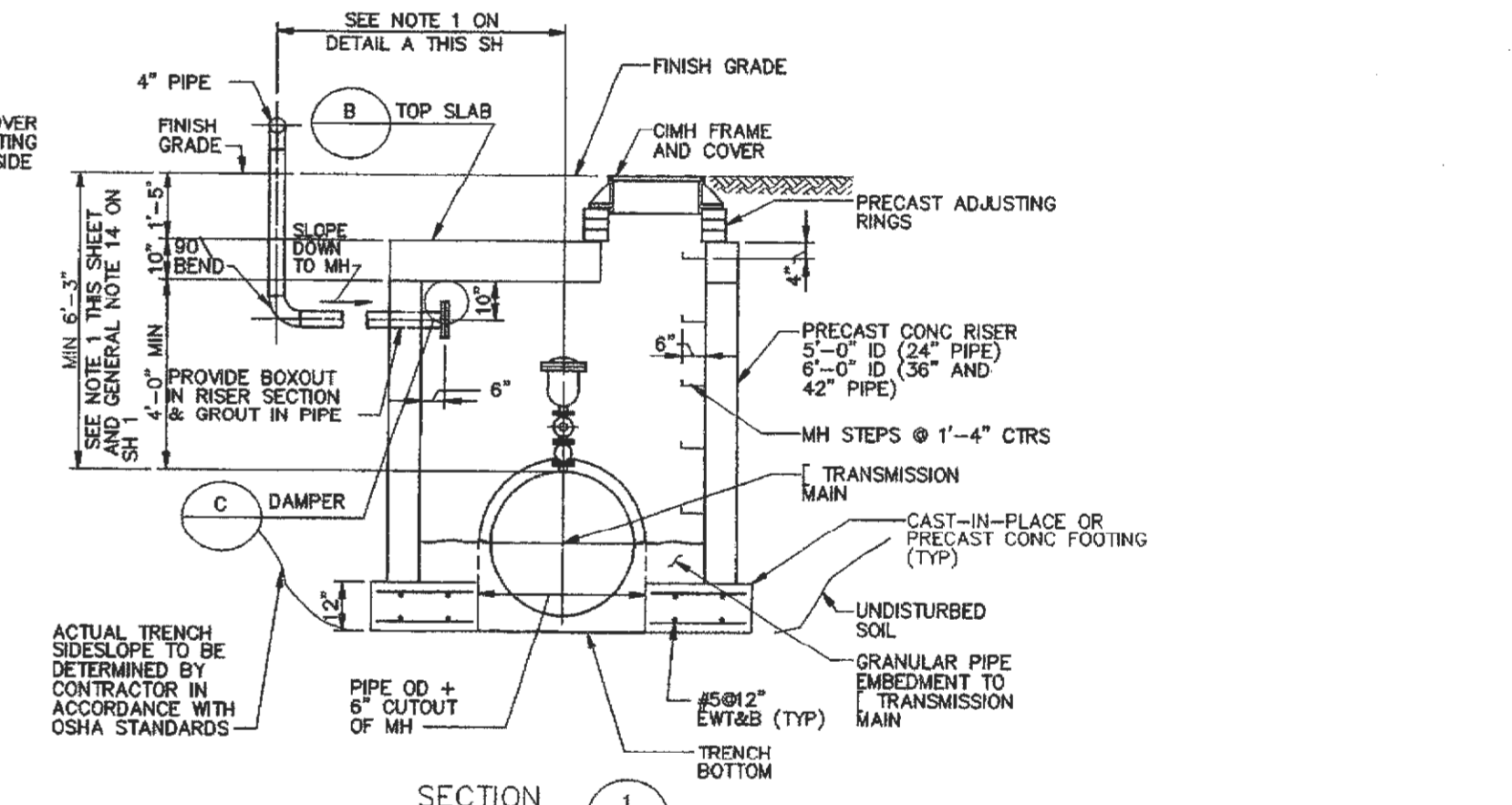
TYPICAL WATER MAIN INSTALLATION DETAILS
NOT TO SCALE

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI
**WATER MAIN
INSTALLATION DETAIL**

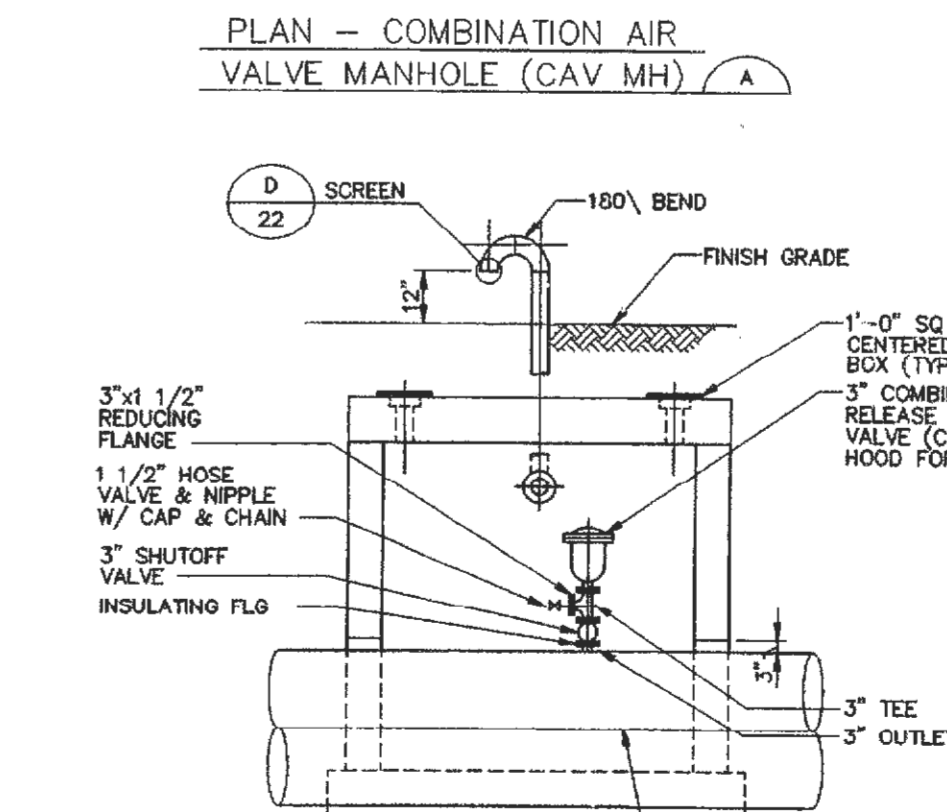
Ductile Iron Pipe installation shall follow the Ductile Iron Research Association (DIPRA) guide line.
The installation of PVC Pipe shall follow the Uni-Bell PVC Pipe Association Handbook of PVC Design and Construction.



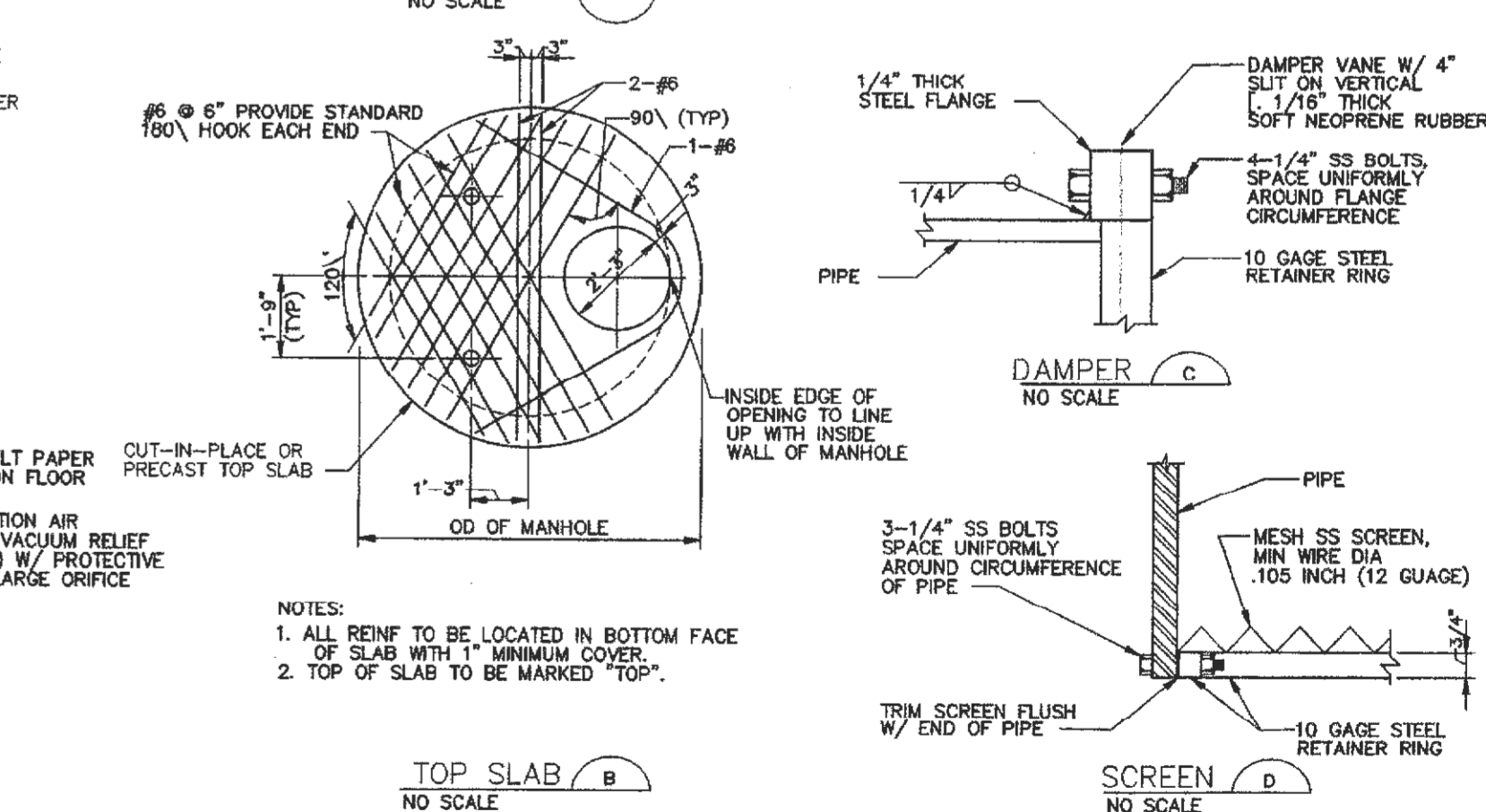
NOTE:
1. SEE PLAN AND PROFILE SHEETS FOR APPROXIMATE LOCATION OF MANHOLE. CAV ASSEMBLY TO BE INSTALLED AT HIGH POINT OF TRANSMISSION MAIN. PRECISE LOCATION AND ORIENTATION OF MANHOLE AND PIPE TO BE DETERMINED IN THE FIELD BY THE ENGINEER BASED UPON THE CONDITIONS ENCOUNTERED. THE RISER PIPE IS TO BE ROUTED REMOTE FROM THE MANHOLE TO A NEARBY ENGINE, POWER POLE, OR OTHER SURFACE FEATURE WHERE REASONABLY POSSIBLE WITHIN THE PERMANENT EASEMENT TO MAKE THE RISER PIPE LESS NOTICEABLE. MIN 6"-3" COVER IS INDICATED ON DRAWING AT EACH MH TO ALERT CONTRACTOR TO COVER GREATER THAN MIN 5'-0" COVER FOR TRANSMISSION MAIN. MIN COVER IS TO BE INCREASED AT MH FOR COVER GREATER THAN MIN 6'-3" TO THE PROFILE INDICATED ON THE DRAWINGS.



SECTION 1
NO SCALE



SECTION 2
NO SCALE



DAMPER C
NO SCALE



TOP SLAB B
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".

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

BAX ENGINEERING CO., INC.
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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