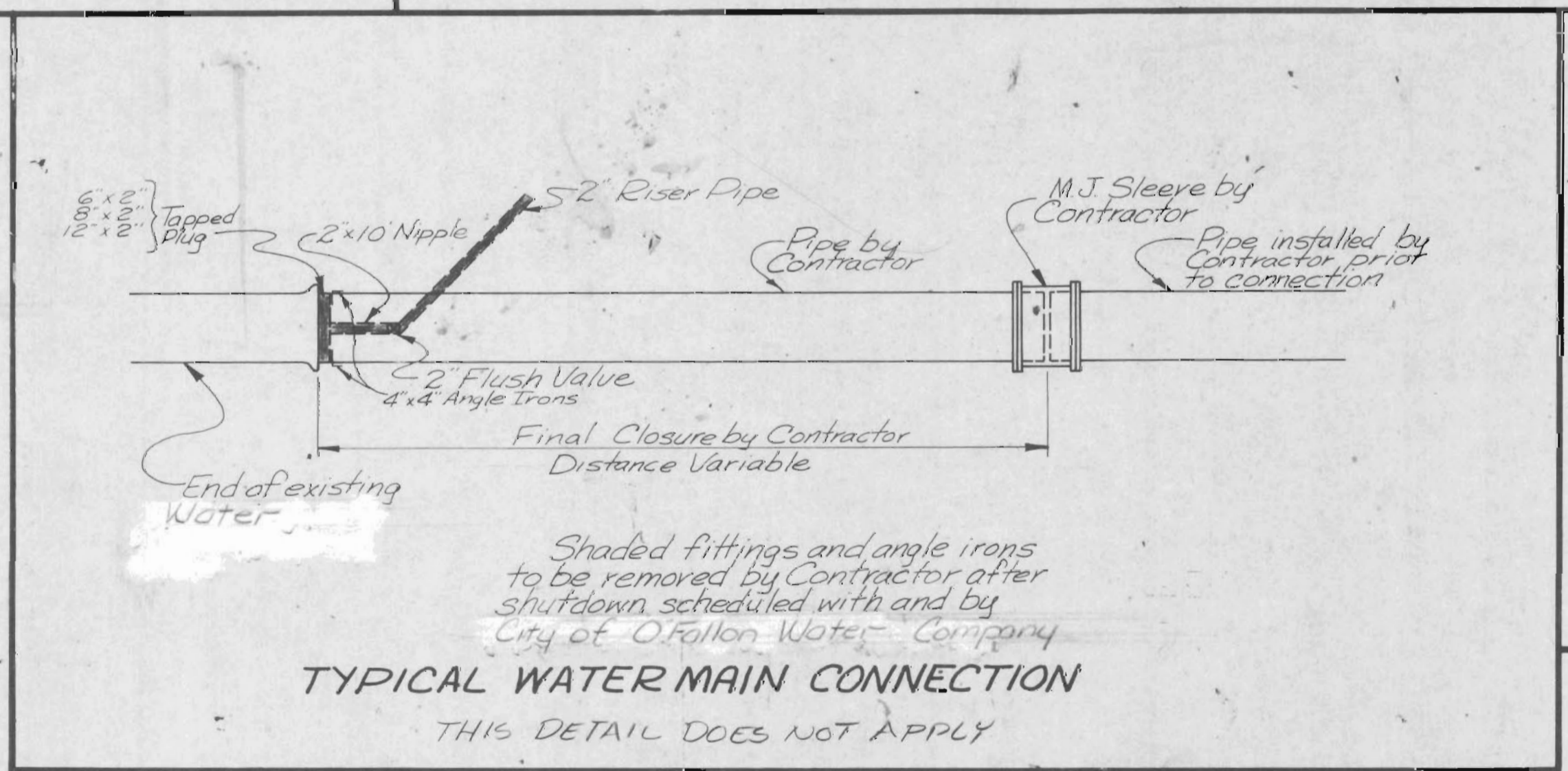
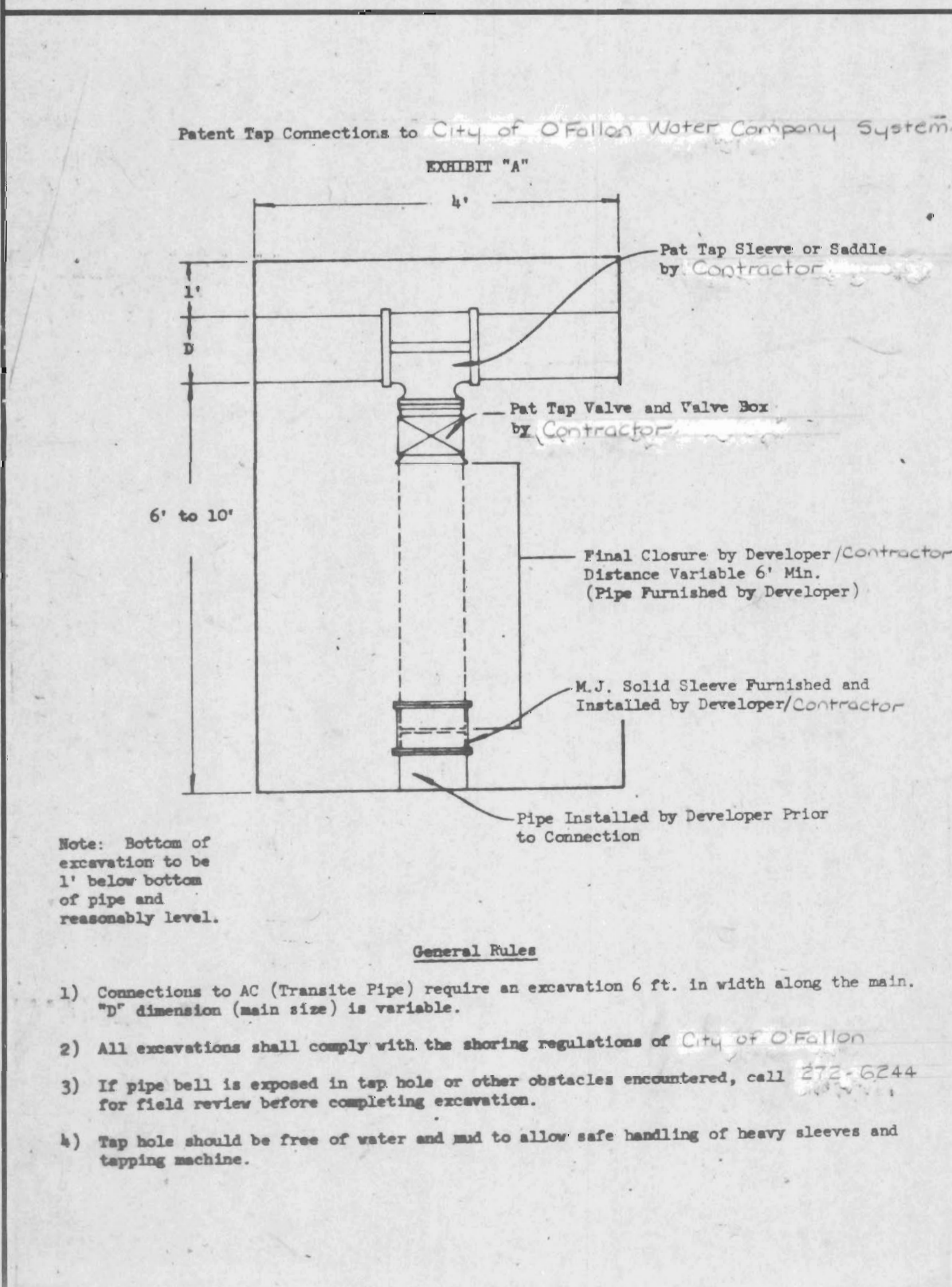
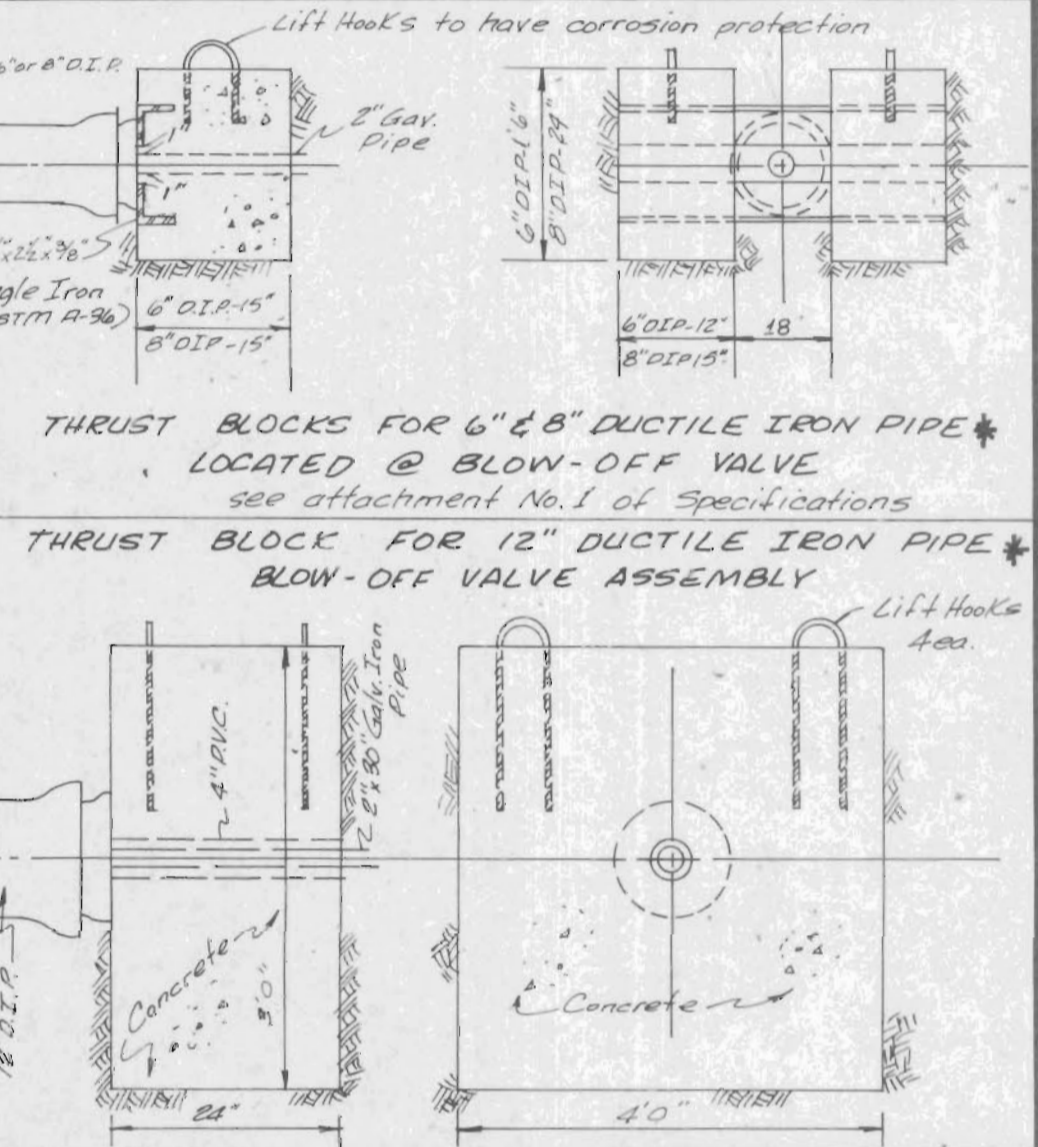


General Notes:

- 1) No thrust blocks to be placed in sewer lateral ditches.
- 2) All thrust block calculations based on 300 PSI internal pipe pressure and lateral soil bearing of 2000 lbs./sq. ft.

Fire Hydrant Thrust Block Dimensions (inches)								12" Valves (inches)		
D	K	V	M	H	n	P	r	S	f	L
6"	30	6	24	24	42	36	30	18	48	60

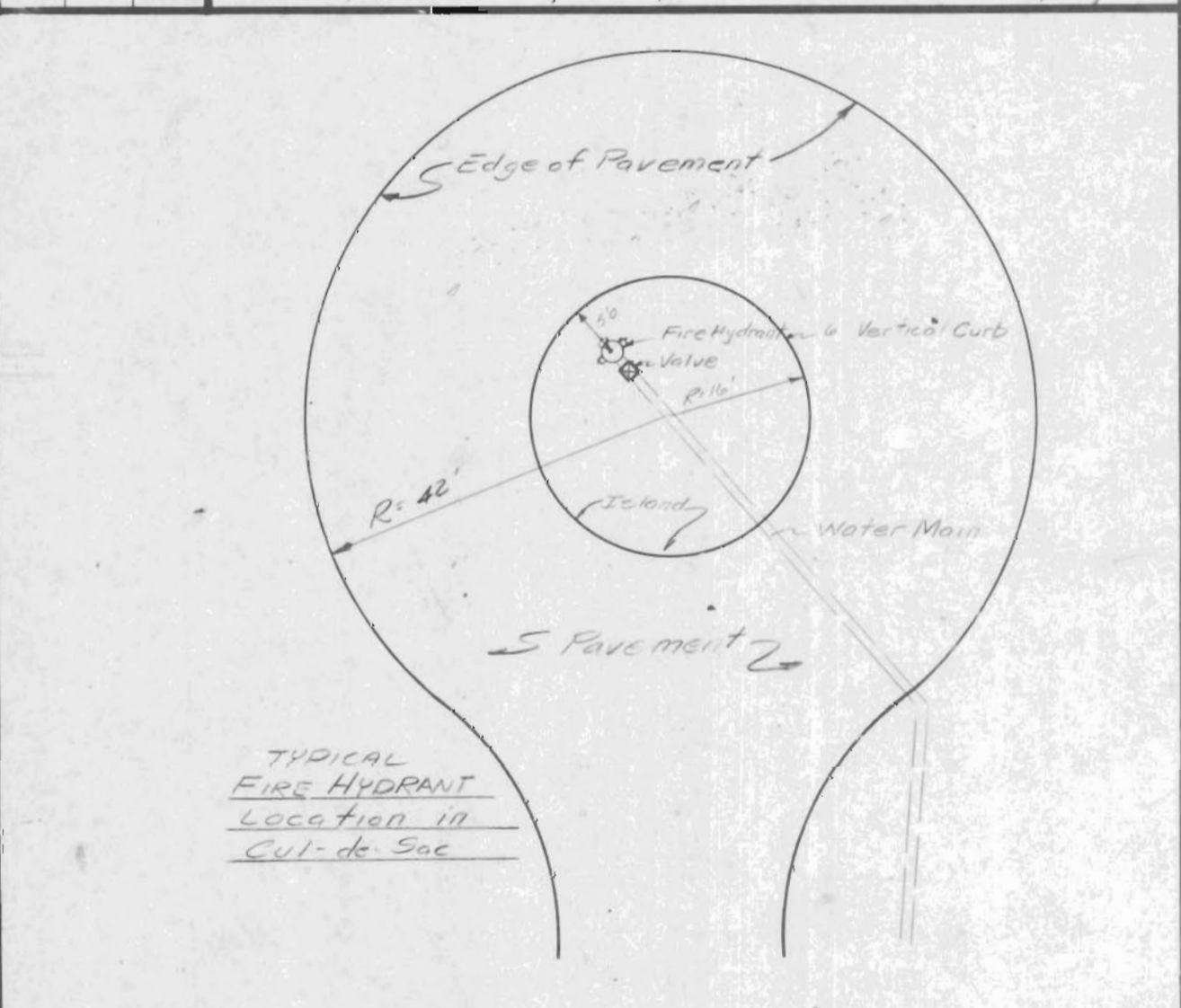
Pipe Size	Thrust Block Dimensions (inches)										
	tee	45°	90°	11 1/4°	22 1/2°	45°	90°	11 1/4°	22 1/2°	45°	
6"	12	6	30	24	40	24	18	24	18	12	12
8"	16	8	40	30	48	30	24	24	18	12	12
12"	24	12	54	48	78	48	50	40	40	24	24



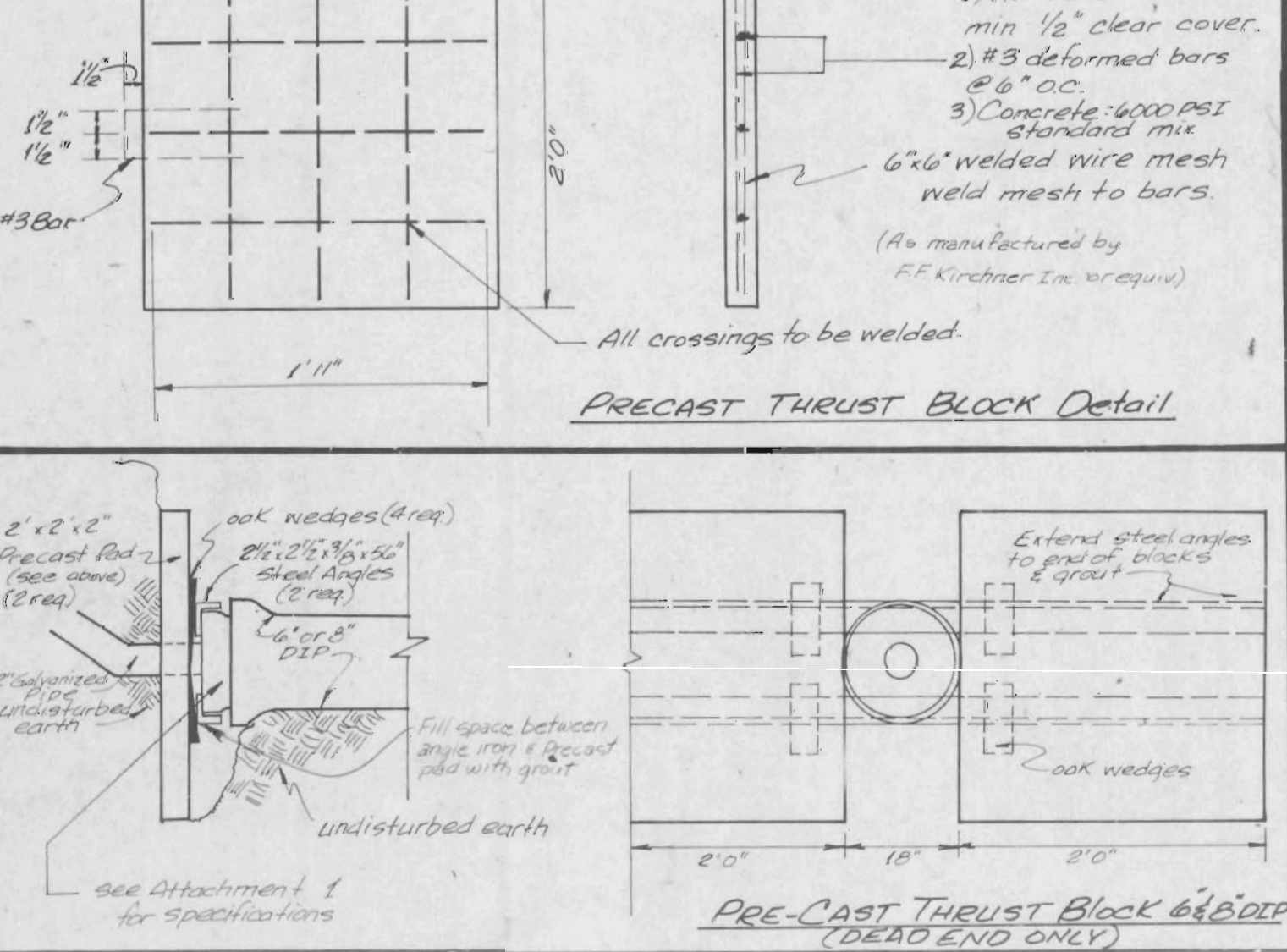
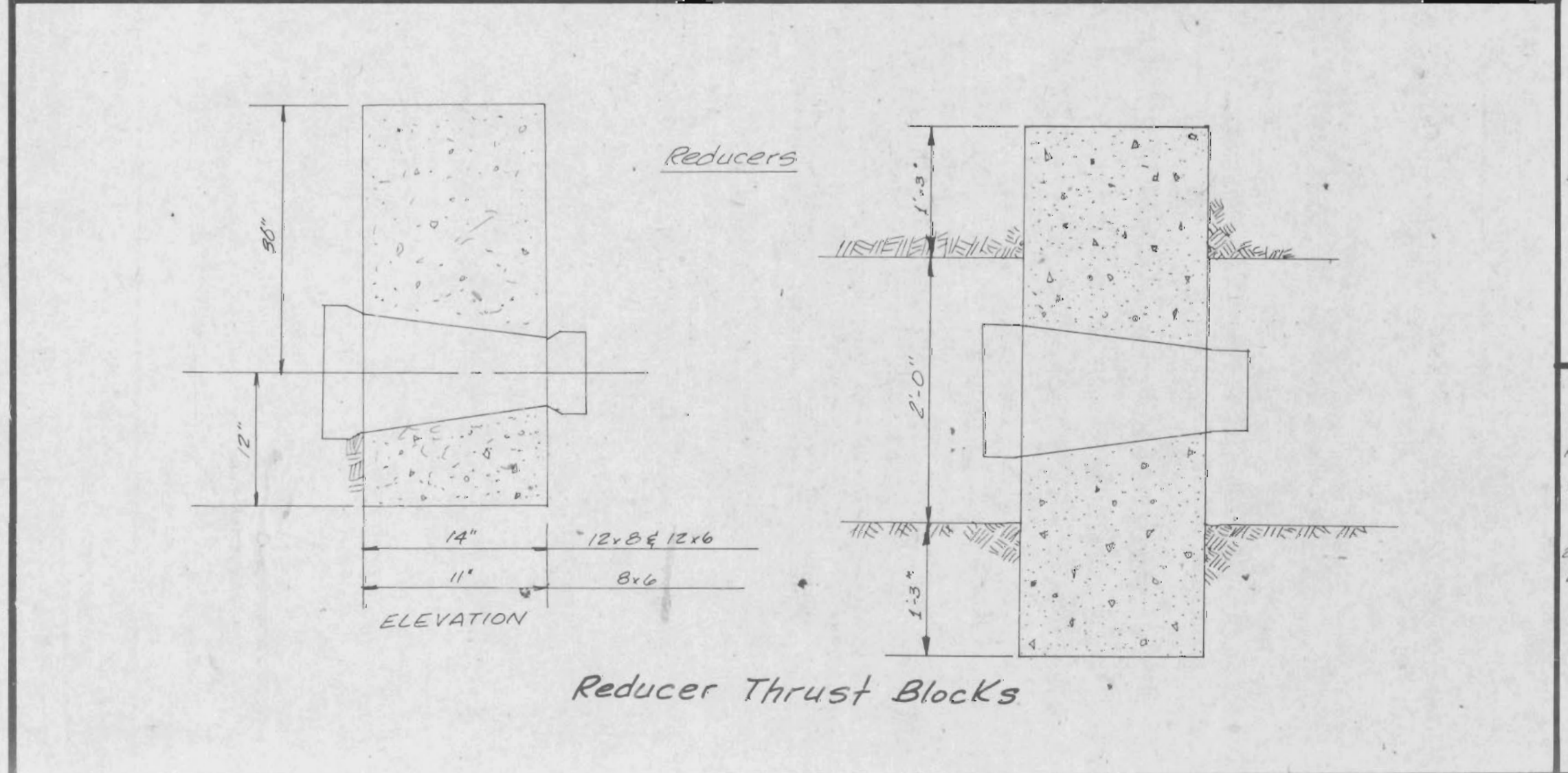
WATER MAIN LEGEND

- TEE, SIZE AS INDICATED
- VALVE & VALVE BOX SIZE AS INDICATED
- BENDS, TYPE AS INDICATED
- REDUCER, SIZES AS INDICATED
- PIPE PLUG, END OF MAIN
- PIPE PLUG & FLUSH VALVE
- WATER MAIN & SIZE
- REACTION BLOCKING
- FIRE HYDRANT: SIZE 6" UNLESS SPECIFIED INCLUDES: HYDRANT, MAIN TEE, VALVE, VALVE BOX AND ALL FITTINGS AND HARDWARE

NOTE: ALL VALVES, TEES, BENDS, REDUCERS, HYDRANTS AND FITTINGS SHALL HAVE REACTION BLOCKING INSTALLED AS SHOWN ON THESE DETAILS. * May be Polyvinyl Chloride Pipe



- Note:** Bottom of excavation to be 1' below bottom of pipe and reasonably level.
- General Rules**
- 1) Connections to AC (Transite Pipe) require an excavation 6 ft. in width along the main. "D" dimension (main size) is variable.
 - 2) All excavations shall comply with the shoring regulations of City of O'Fallon
 - 3) If pipe bell is exposed in tap hole or other obstacles encountered, call 273-6244 for field review before completing excavation.
 - 4) Tap hole should be free of water and mud to allow safe handling of heavy sleeves and tapping machine.



WATER MAIN DETAILS

THESE DETAILS ARE NOT TO BE REPRODUCED WITHOUT THE WRITTEN CONSENT OF THE STERLING ENGINEERING AND SURVEYING CO., INC.

THE STERLING COMPANY
ENGINEERS SURVEYORS PLANNERS
3460 HOLLINBERG DRIVE BRIDGETON, MO 63044
314-739-0440

JOB NO. _____ DESIGNER / DRAFTSMAN: *Ru*
DATE: 12-11-79 CHECKED BY: _____ REVISION: _____ DATE: _____

Richard P. Kennedy
City of O'Fallon, Ill.