

REV. NO.	DATE	DESCRIPTION
1	08/12/03	Revised Plan and Profiles
2	09/30/03	Revisions per City Engineer profile
3	10/01/03	Changed DIT to HOP at Street
4	10/15/03	Gate valve extension note
5	9/15/04	Changed Hydrant Locations
6	04/04/05	Record Drawings
		Record Drawings per city comment

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

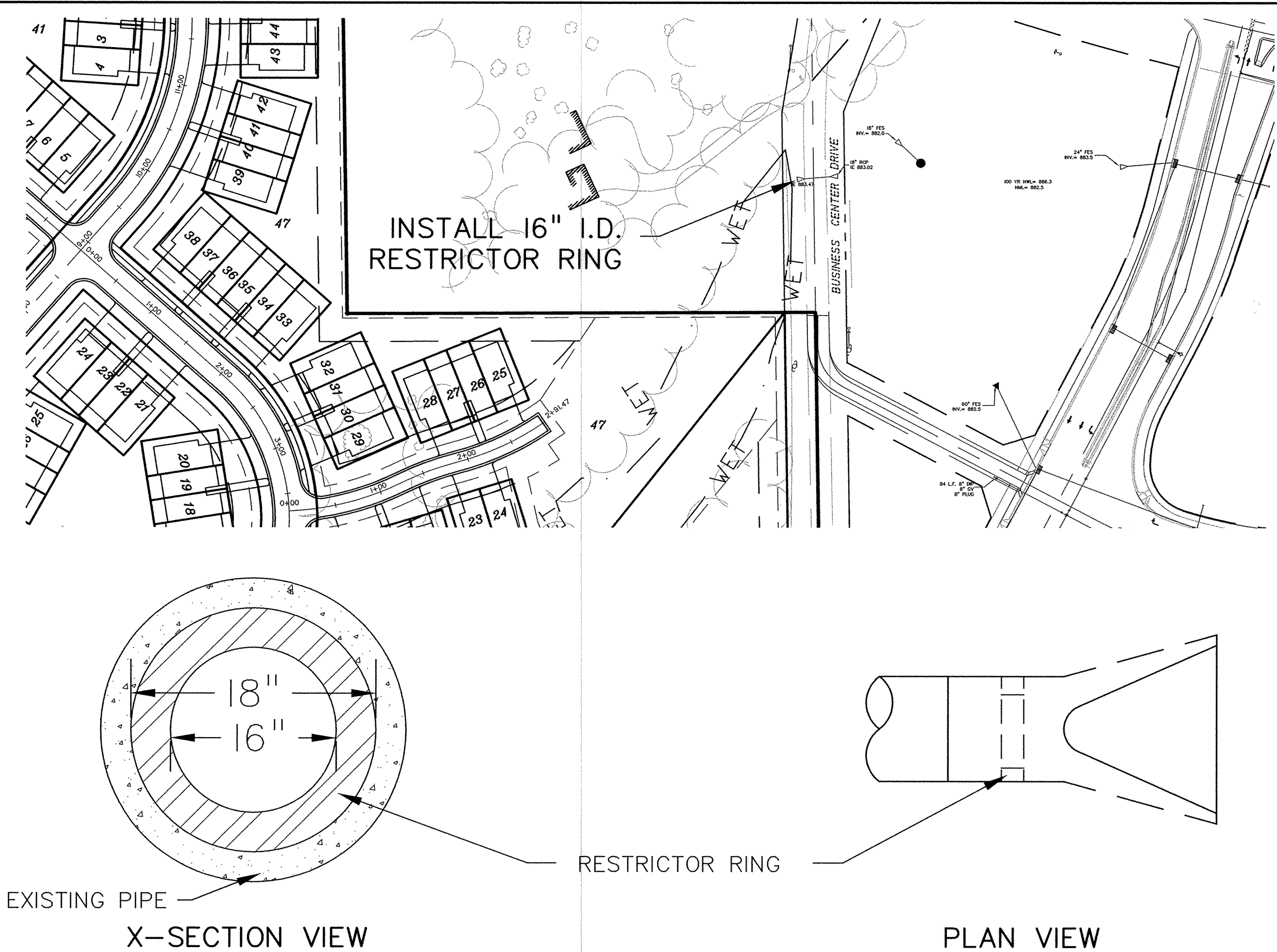
Signed: *Christopher Otterness*
Christopher Otterness
Date: 6-8-08 Reg. No. 41901

BOGART, PEDERSON & ASSOCIATES, INC.
LAND SURVEYING
ENGINEERING
MAPPING
13076 FIRST STREET, BECKER, MN 55308-9322
TEL: 763-282-8822 FAX: 763-282-8844

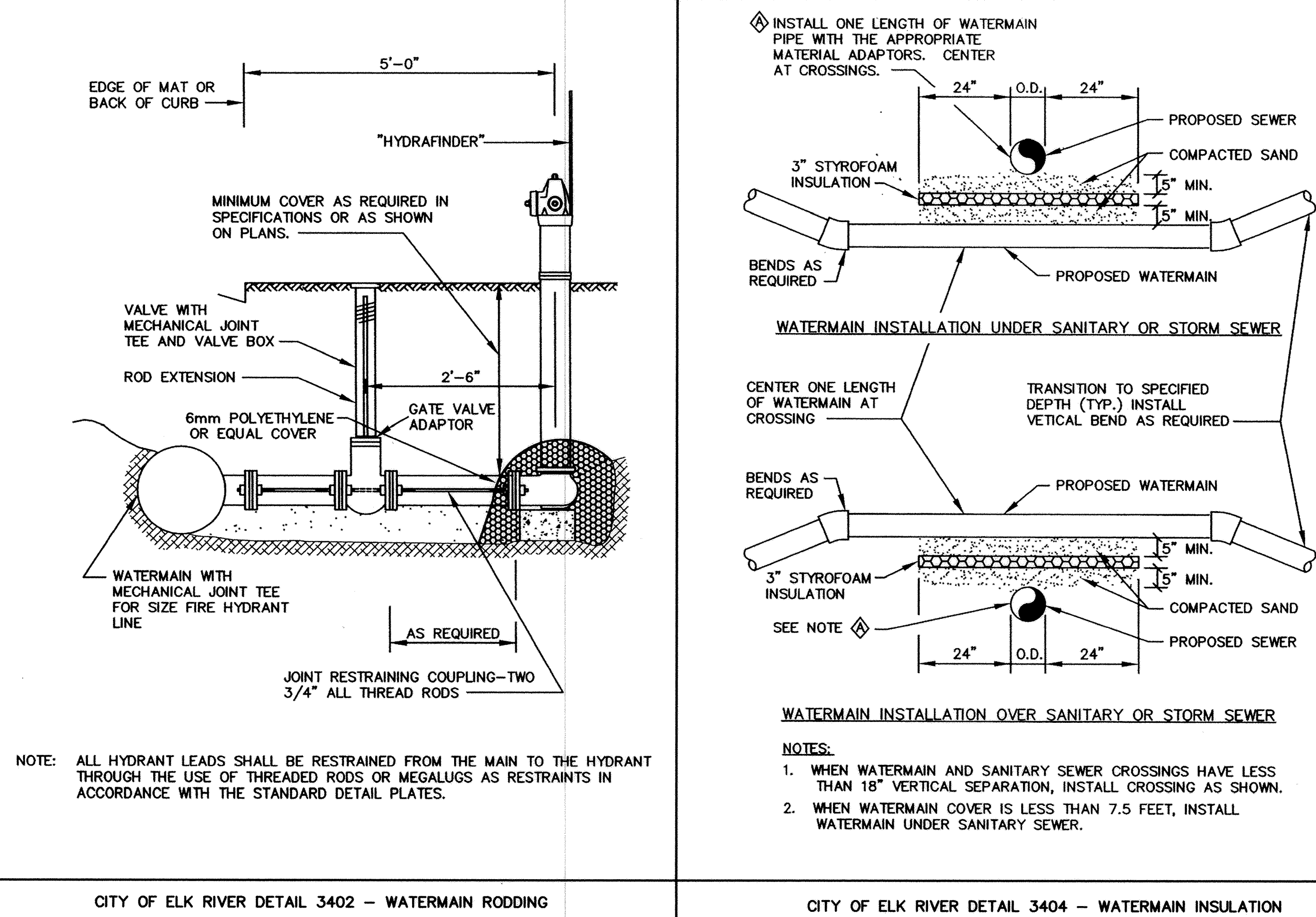
WEST OAKS
CITY OF ELK RIVER, MN.
WEST OAKS OF ELK RIVER, LLC
SANITARY SEWER, WATERMAIN,
STORM SEWER & STREET PLAN
DETAILS

SHEET NO.
13

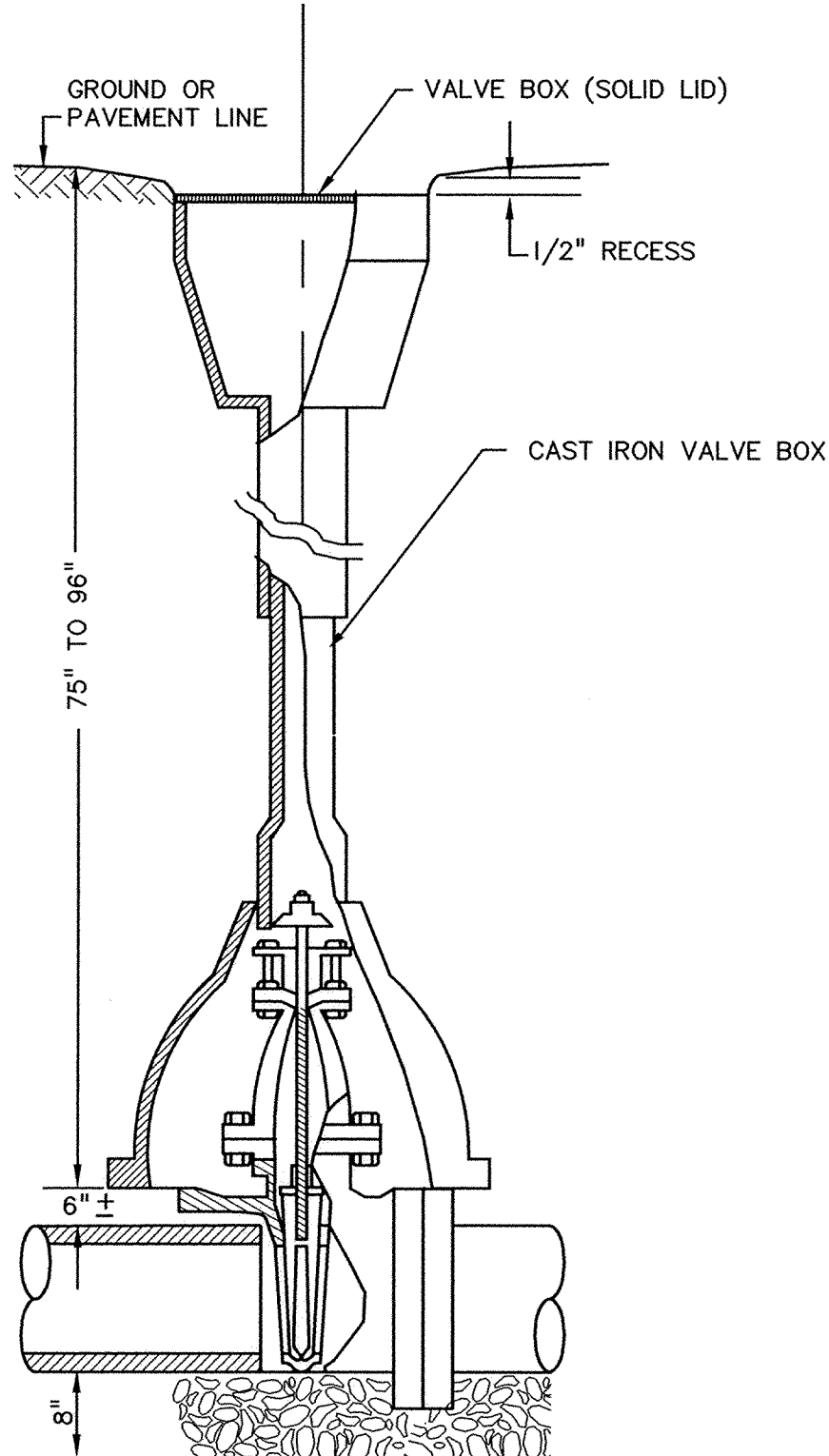
13



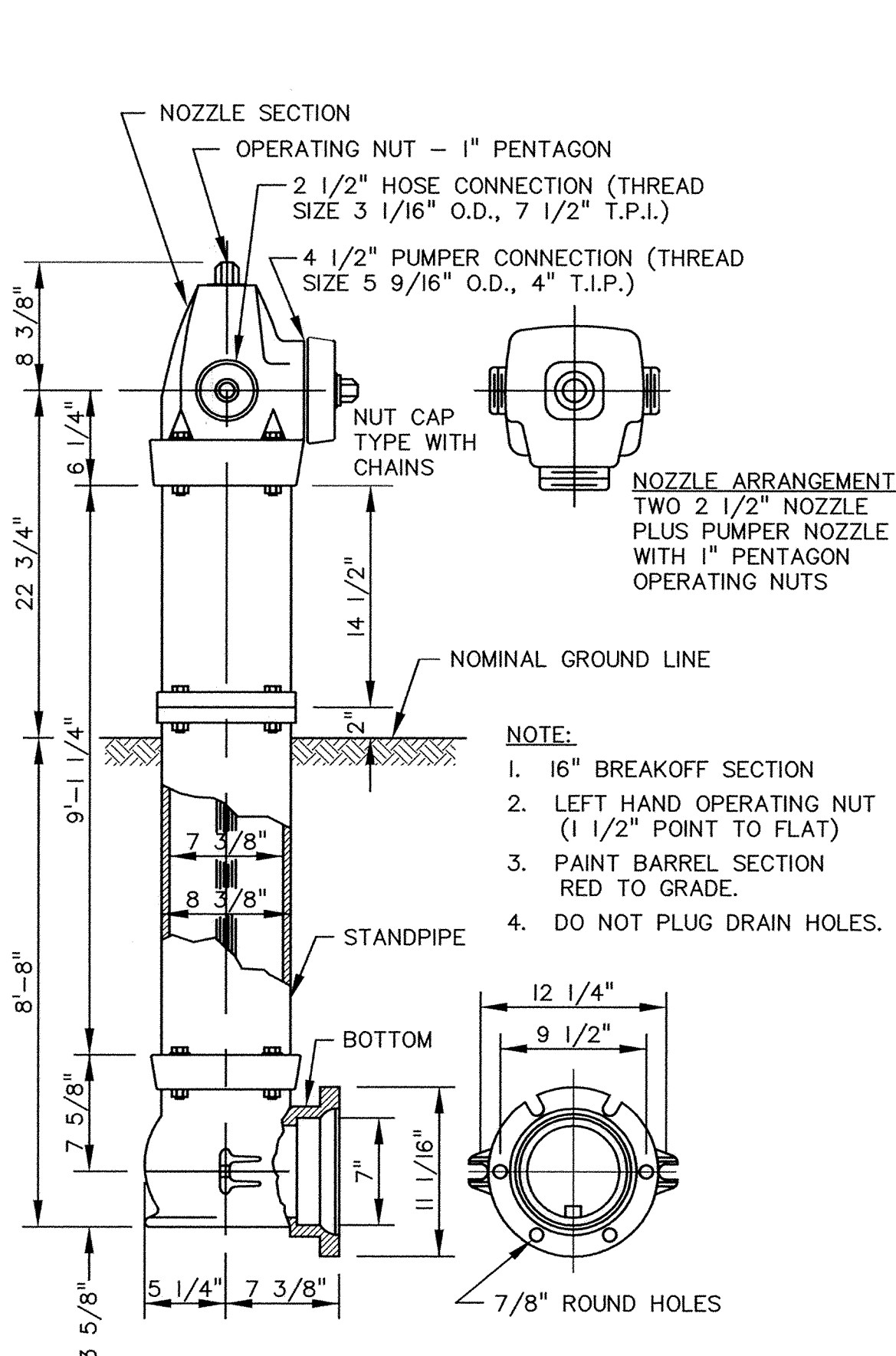
CONCRETE RESTRICTOR RING



CITY OF ELK RIVER DETAIL 3404 - WATERMAIN INSULATION

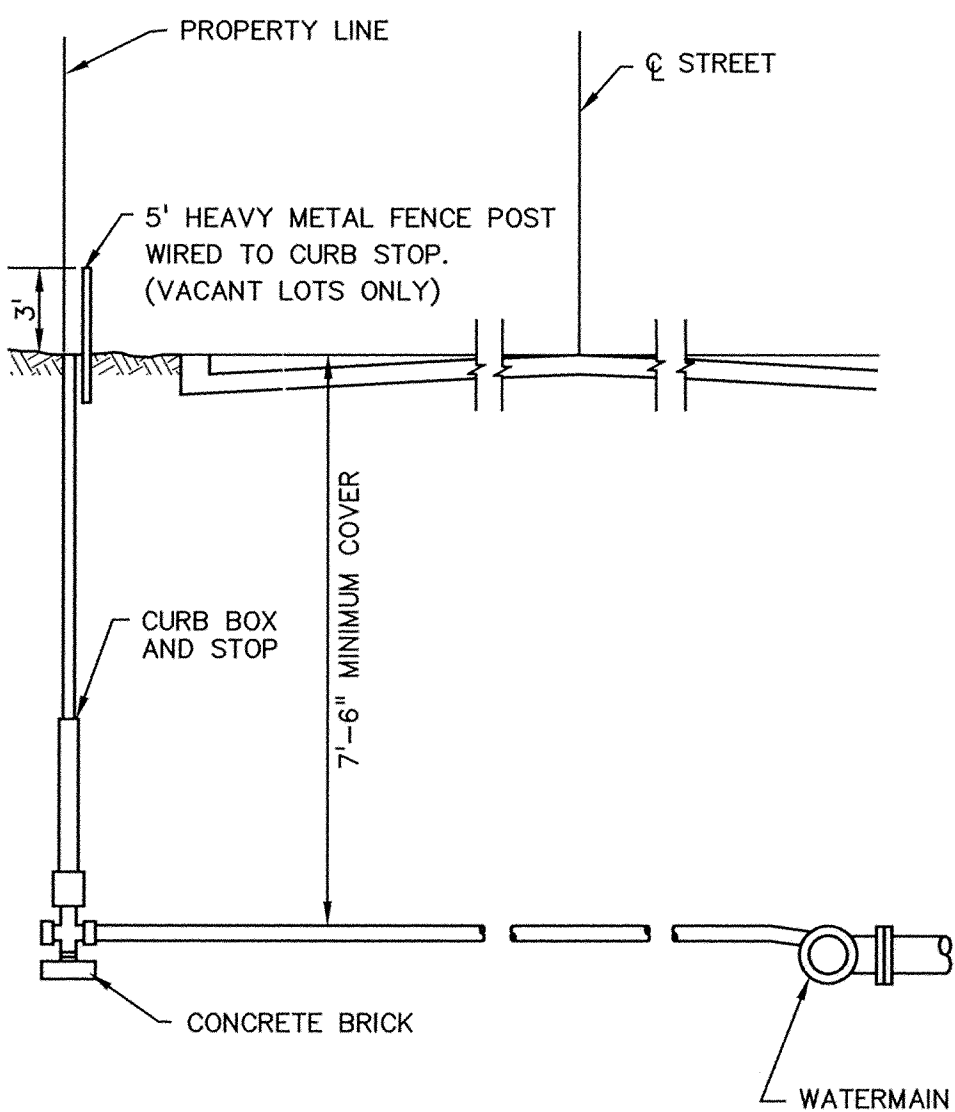


GATE VALVE AND BOX INSTALLATION

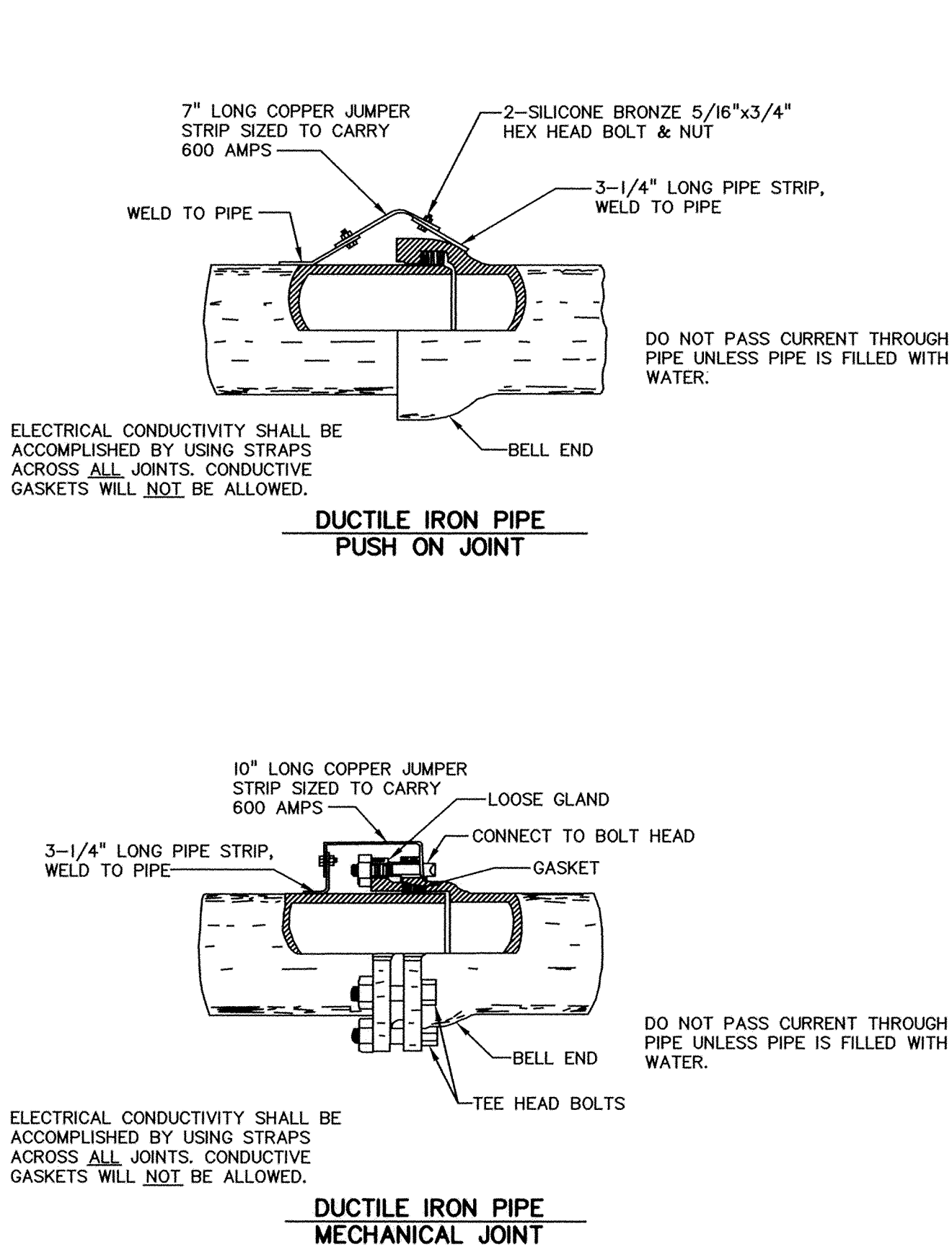


PACER HYDRANT DETAIL

CITY OF ELK RIVER DETAIL 3402 - WATERMAIN RODDING



TYPICAL WATER SERVICE CONNECTION



DUCTILE IRON PIPE
MECHANICAL JOINT