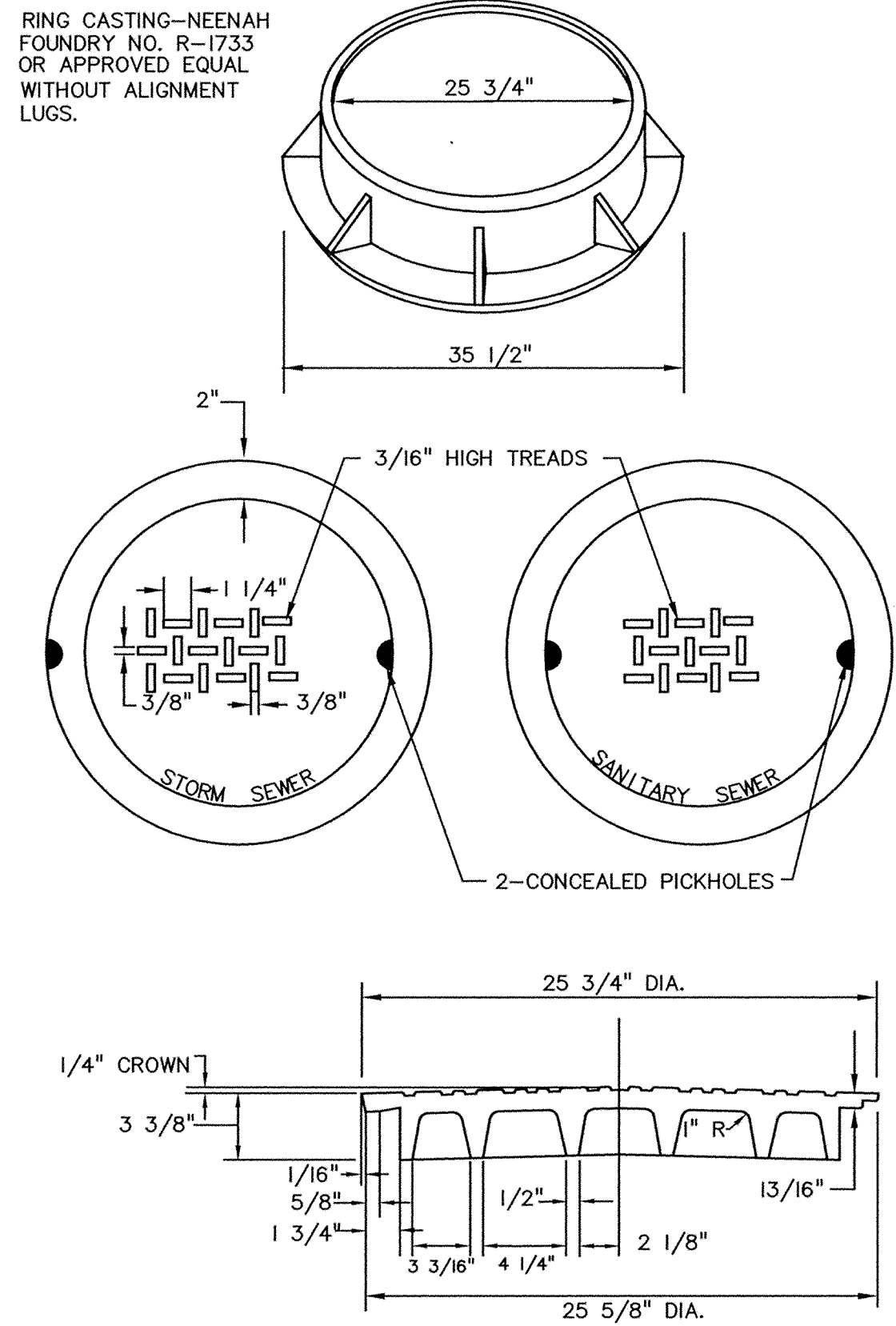
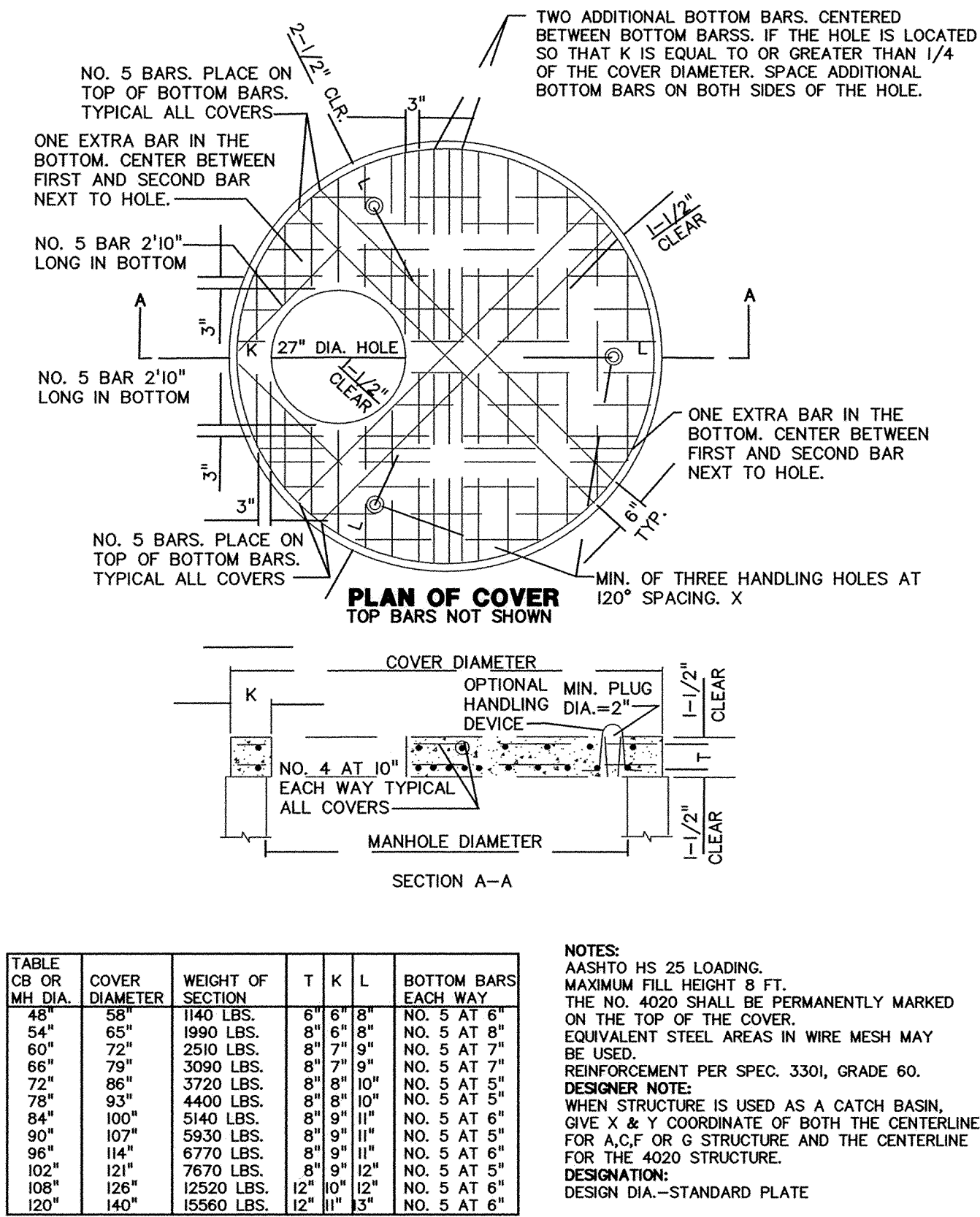
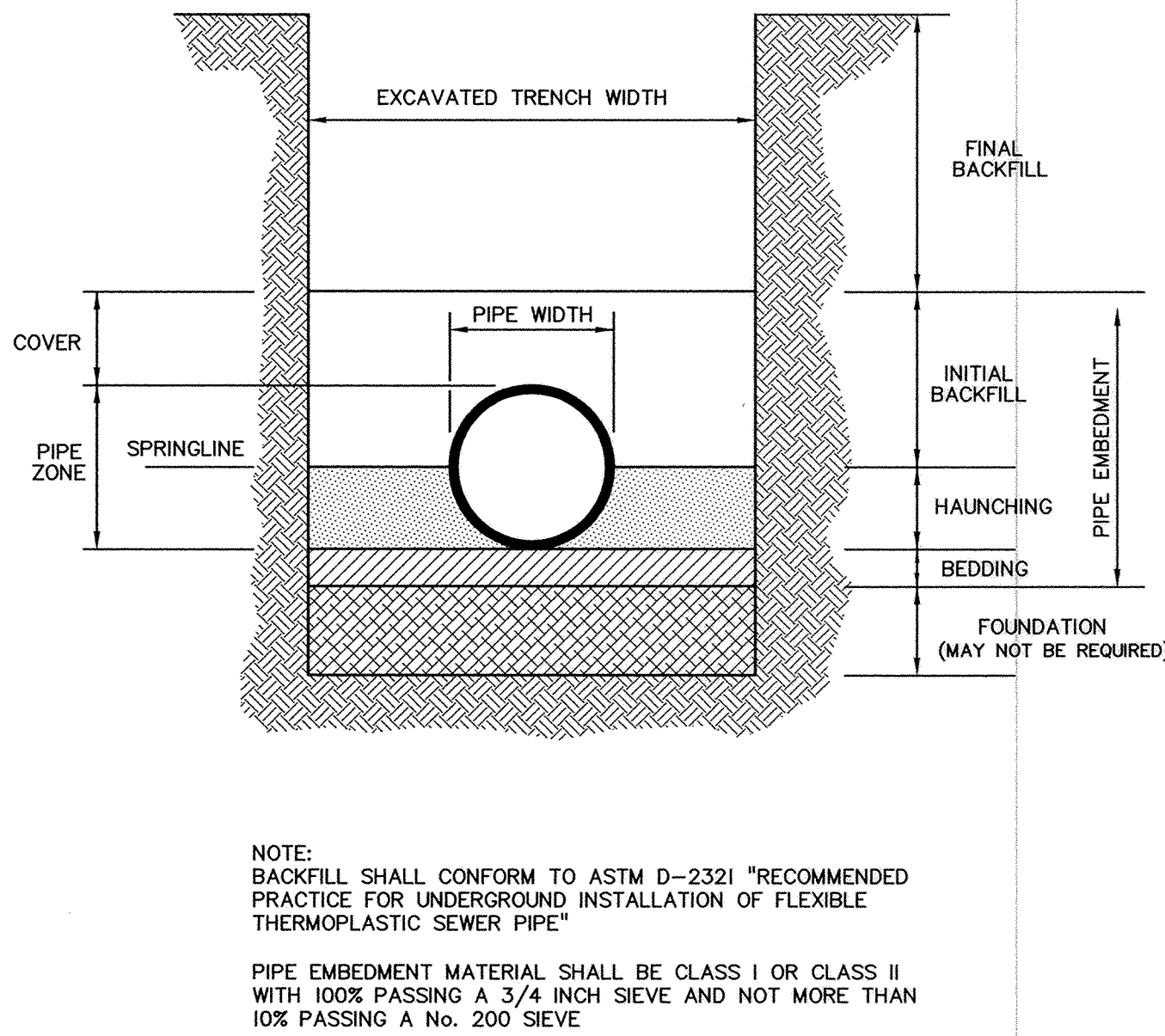




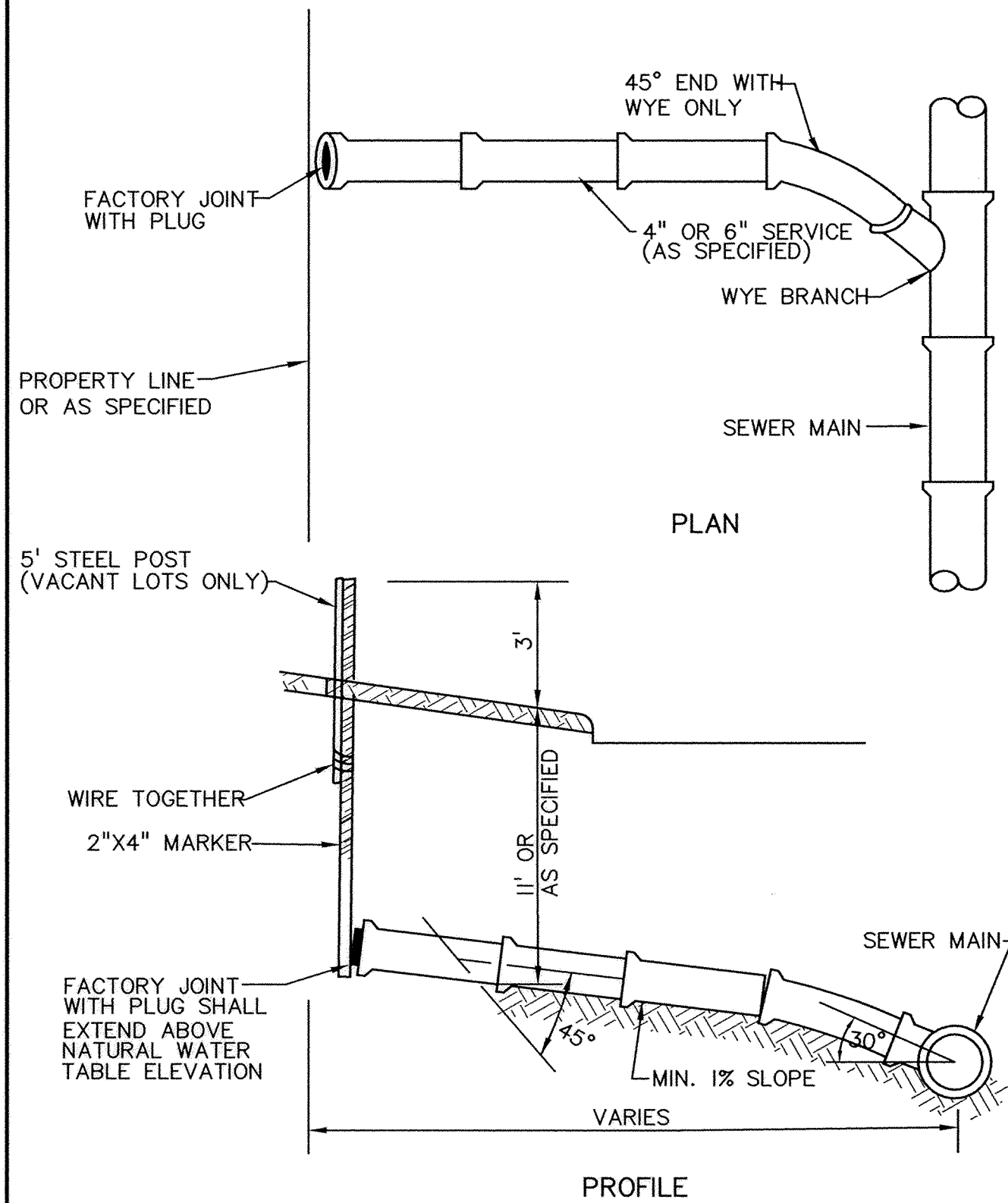
STANDARD MANHOLE CASTINGS



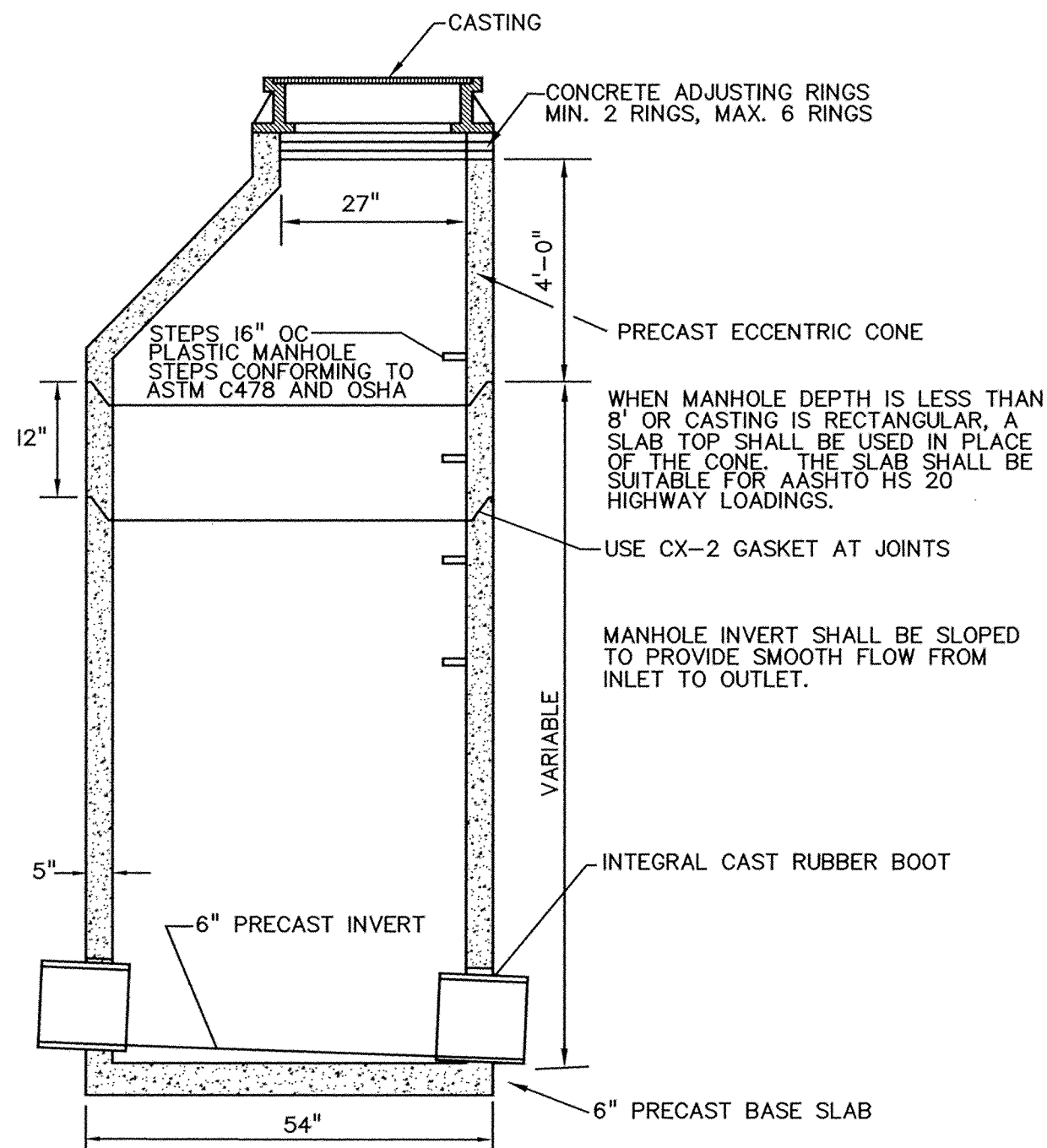
MANHOLE OR CATCH BASIN COVER



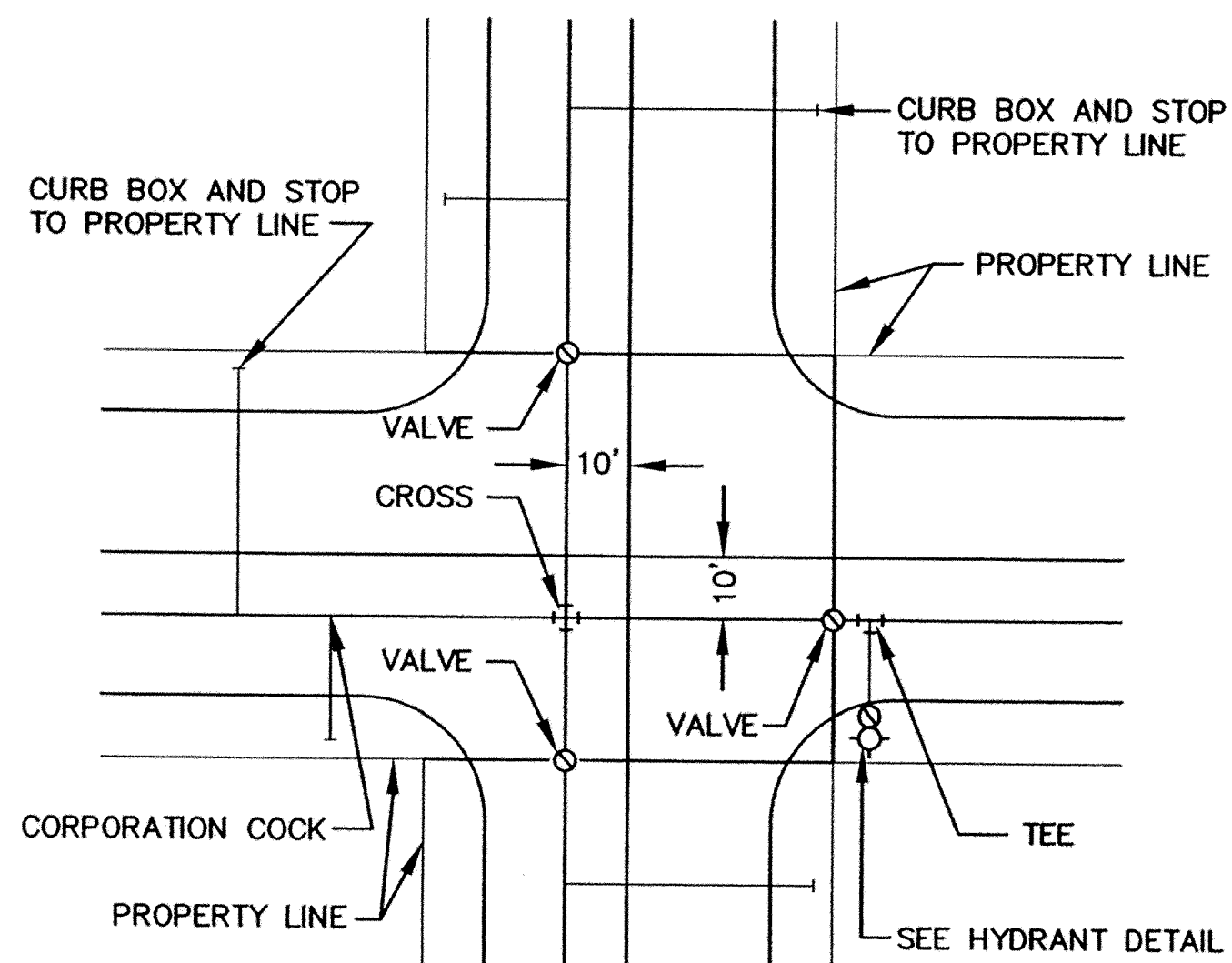
PLASTIC PIPE BEDDING



TYPICAL HOUSE SERVICE (STD. DEPTH SEWER MAIN)



STANDARD MANHOLE (SAN SEWER)



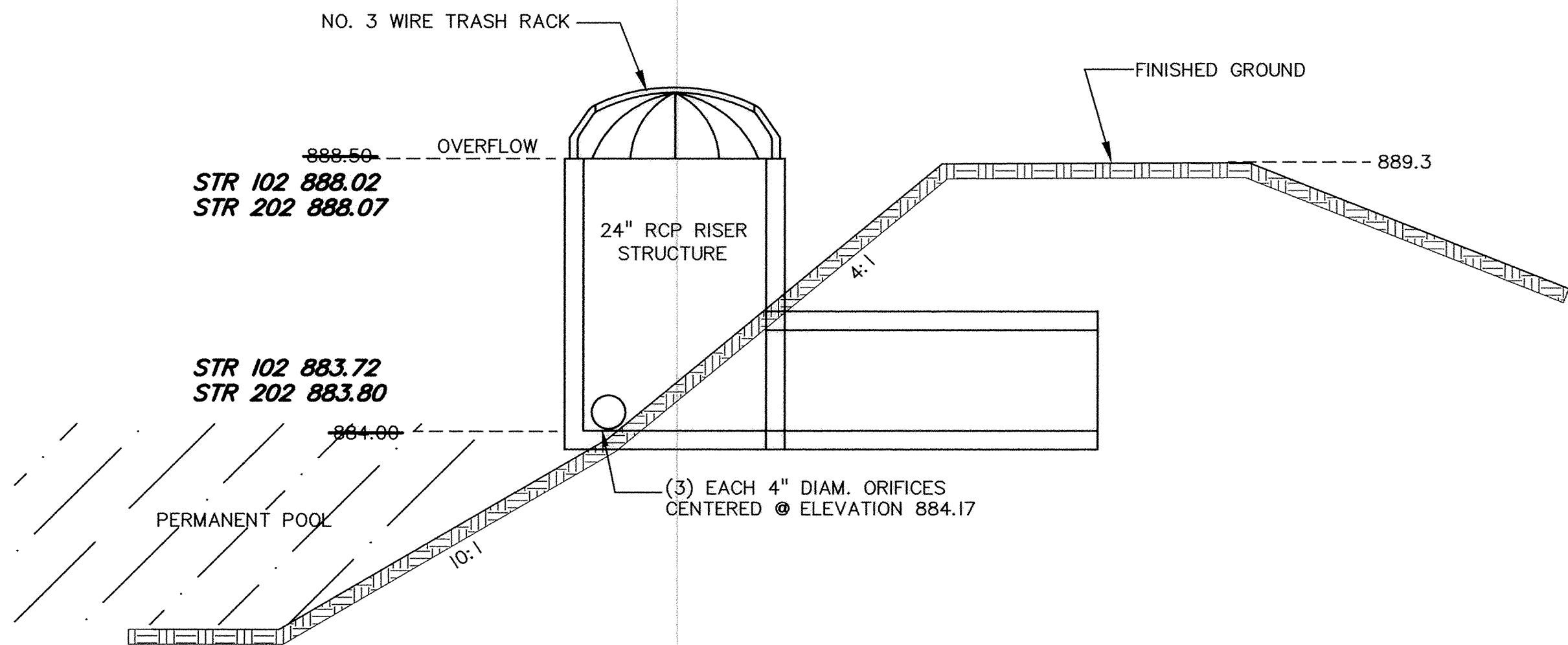
CITY OF ELK RIVER DETAIL 3400 - WATER LAYOUT

RECORD DRAWING
MEASURED BY: CG @ BPA
INSPECTED BY A.B. @ H.R. GREEN
DATE 9/04
DRAWN BY CCO, DDM @ BPA

ALL AS-BUILT INFORMATION GIVEN AS OBLIQUED TEXT

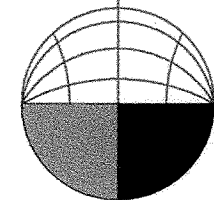
RECORD DRAWING NOTES:

1. INFORMATION IS FURNISHED WITHOUT WARRANTY AS TO ACCURACY. USERS SHOULD FIELD VERIFY LOCATIONS AND ELEVATIONS
2. ELEVATIONS SHOWN AND NOT ADJUSTED ARE DESIGN ELEVATIONS.



RISER STRUCTURE

BOGART, PEDERSON
& ASSOCIATES, INC.



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

SHEET NO.

12

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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: *[Signature]* CHUCK OTTERNESS
Date: 6-8-05 Reg. No. 41981

13076 FIRST STREET, BECKER, MN 55308-9322
TEL: 763-282-8822 FAX: 763-282-8844