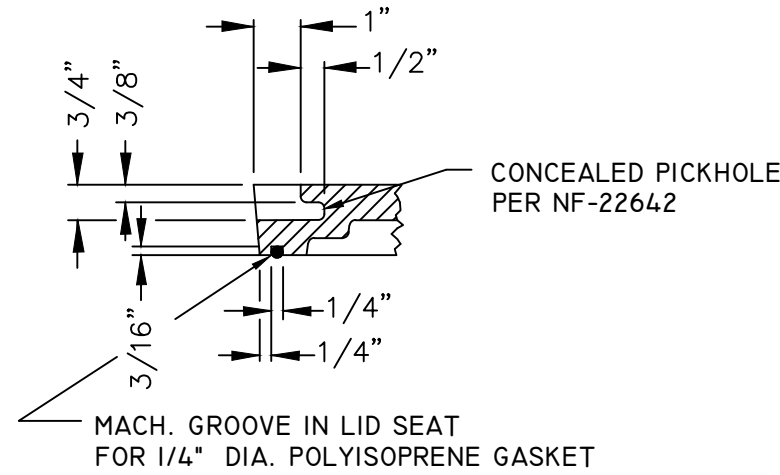


DRAWING
NOT TO SCALE

SEWER PIPE JOINT MATERIALS

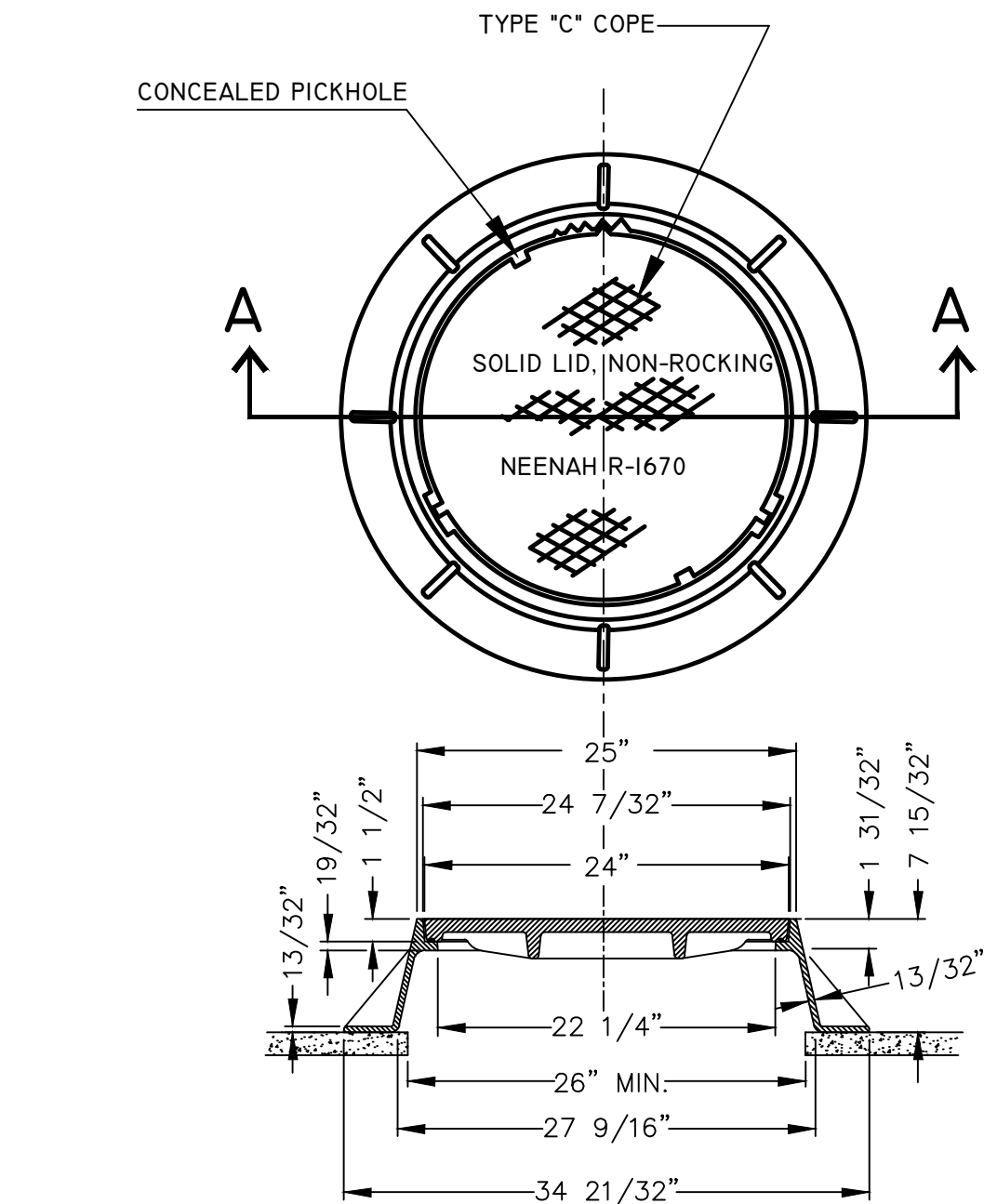
CONCRETE PIPE- RUBBER GASKET (ASTM C-443)
PVC PIPE- ELASTOMETRIC GASKET (ASTM D-3212 & F-477)



SELF-SEAL DETAIL

NOTE

OPENING FOR FRAME & COVER SHALL BE CENTERED ON MANHOLES WITH FLAT TOPS.

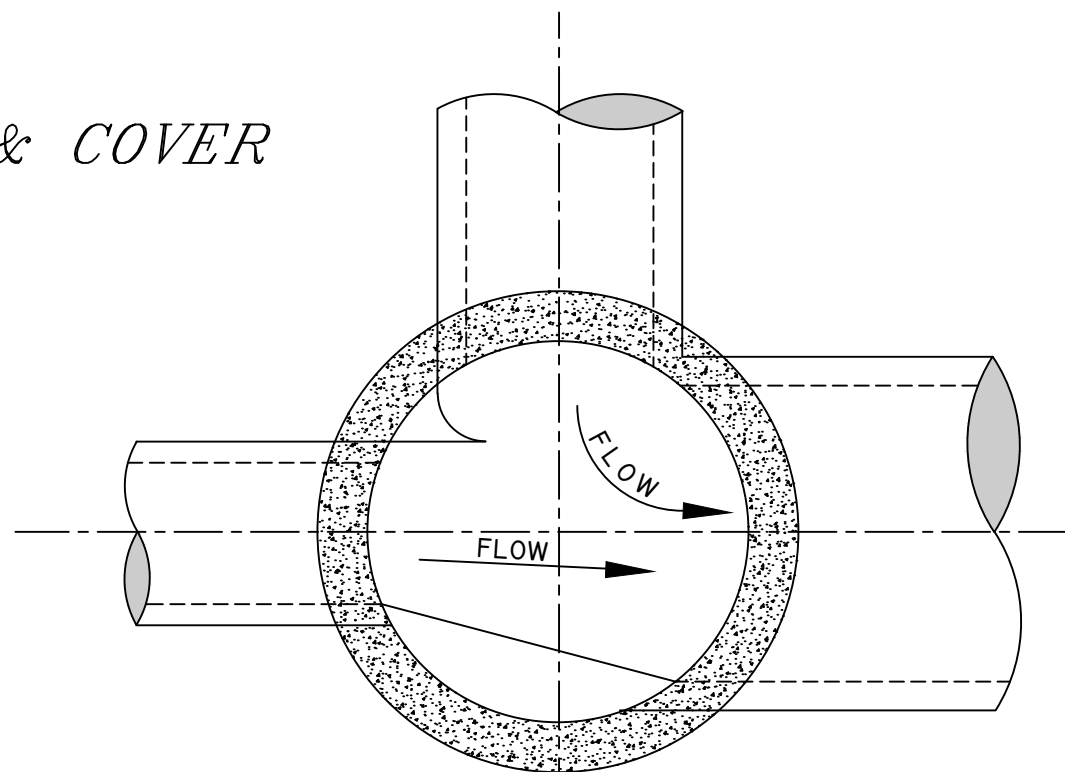


A - A

DETAIL OF MANHOLE FRAME & COVER

NEENAH R-1670 OR APPROVED EQUAL

B
D-6



NOTE 6
ECCENTRIC MANHOLE CONE SECTIONS ARE NOT PERMITTED

NOTE 1

TOP OF MANHOLE TO BE 12" BELOW FINISHED GRADE. ADJUSTMENT TO BE OF PRE-CAST CONCRETE RINGS WITH BUTYL GASKETS (ROPE) BETWEEN RINGS AND MORTAR BETWEEN CASTING & TOP RING ONLY. (3/4" MORTAR MAX.)

NOTE 2

STEPS ARE NOT TO BE INSTALLED IN MANHOLES

NOTE 3

MANHOLE TO BE CONSTRUCTED OF PRE-CAST CONCRETE (ASTM C-478) AND CONTAIN "XYPEX BIO-SAN C500" ADDITIVE OR APPROVED EQUAL.

NOTE 4

LIFT HOLES TO BE MANUFACTURED WATER PROOF

NOTE 5

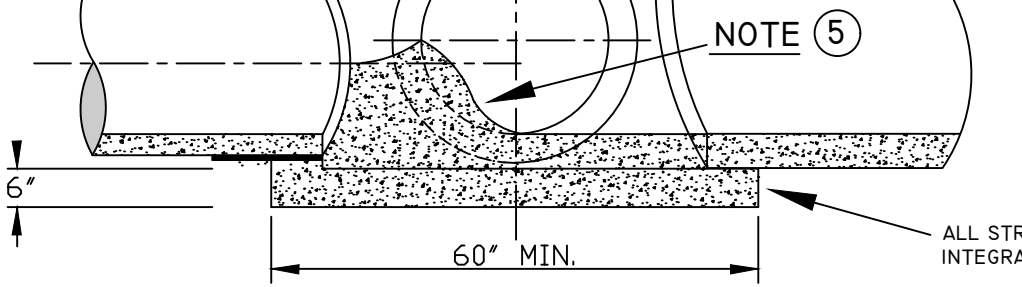
INVERT TO BE FACTORY MOLDED OR FORMED PER CITY OF LA CROSSE STANDARD SPECIFICATIONS.

NOTE 8

THE CONNECTION OF ALL PVC SANITARY SEWER PIPE, SIZE 6" TO 30", TO PRECAST MANHOLES OR OTHER STRUCTURES SHALL EMPLOY A WATERTIGHT, FLEXIBLE PIPE-TO-MANHOLE CONNECTOR

THE CONNECTOR SHALL CONSIST OF A SINGLE RUBBER GASKET, SHALL BE CONSTRUCTED SOLELY OF SYNTHETIC OR NATURAL RUBBER, SHALL MEET/EXCEED THE REQUIREMENTS OF ASTM C 923, AND SHALL HAVE A MINIMUM TENSILE STRENGTH OF 1600 PSI

THE CONNECTOR SHALL BE THE SOLE ELEMENT RELIED ON TO ASSURE A FLEXIBLE, WATERTIGHT SEAL OF THE PIPE TO THE STRUCTURE

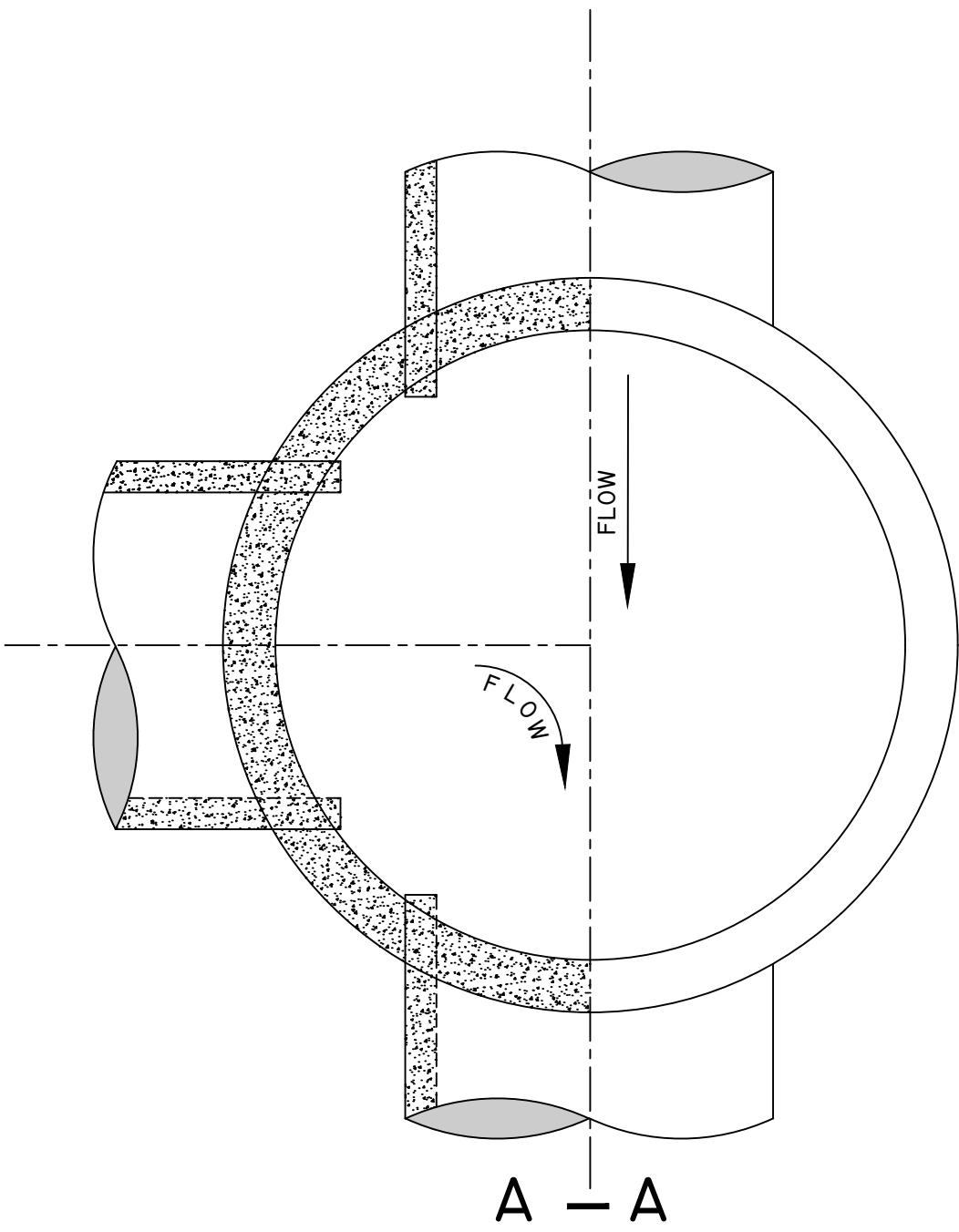


NOTE 7

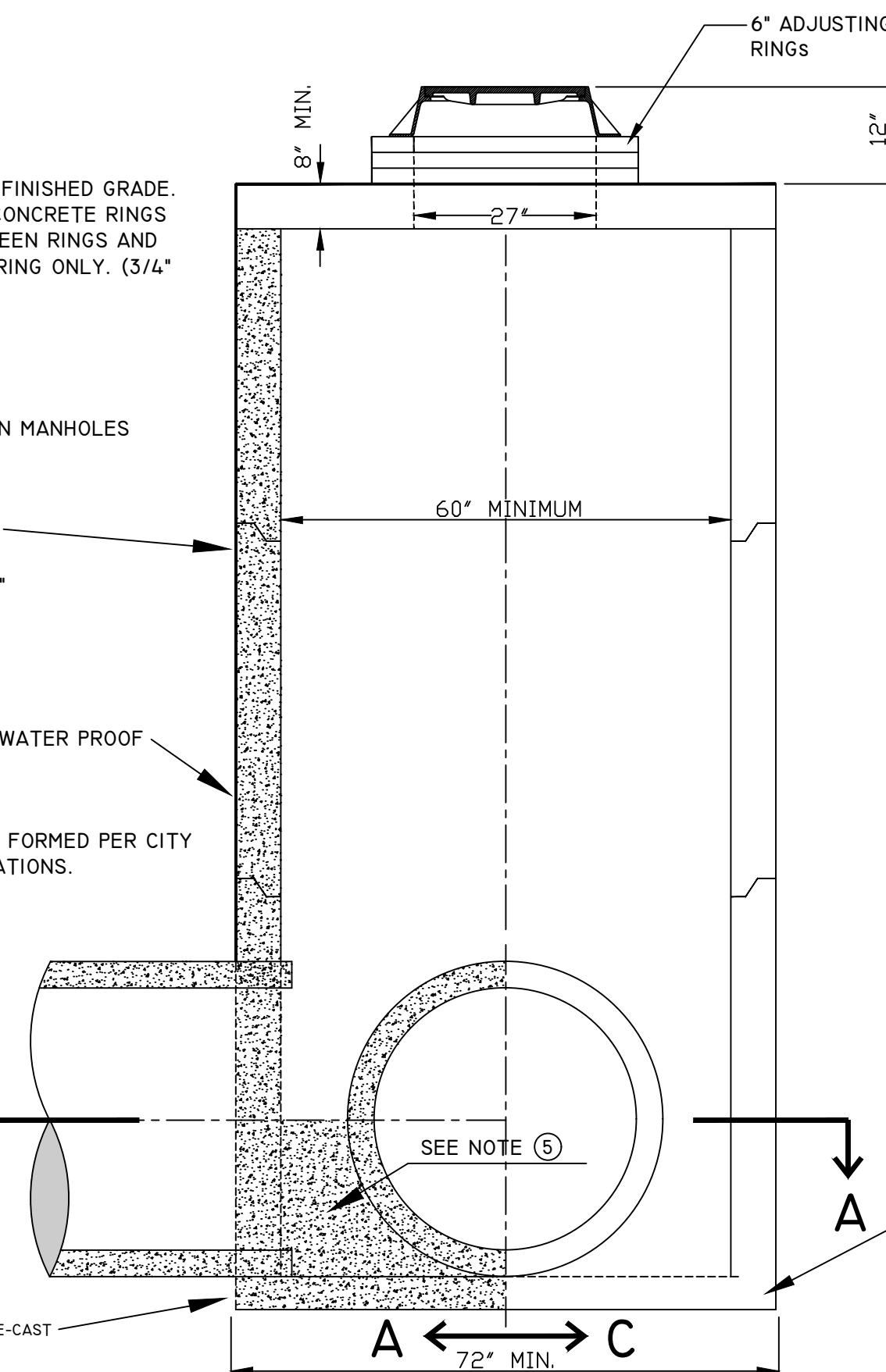
ALL STRUCTURES TO BE MADE WITH PRE-CAST INTEGRAL FOOTING BASE: MIN. 6"

C
D-6

DETAILS OF STANDARD MANHOLE FOR 30" PIPE OR SMALLER

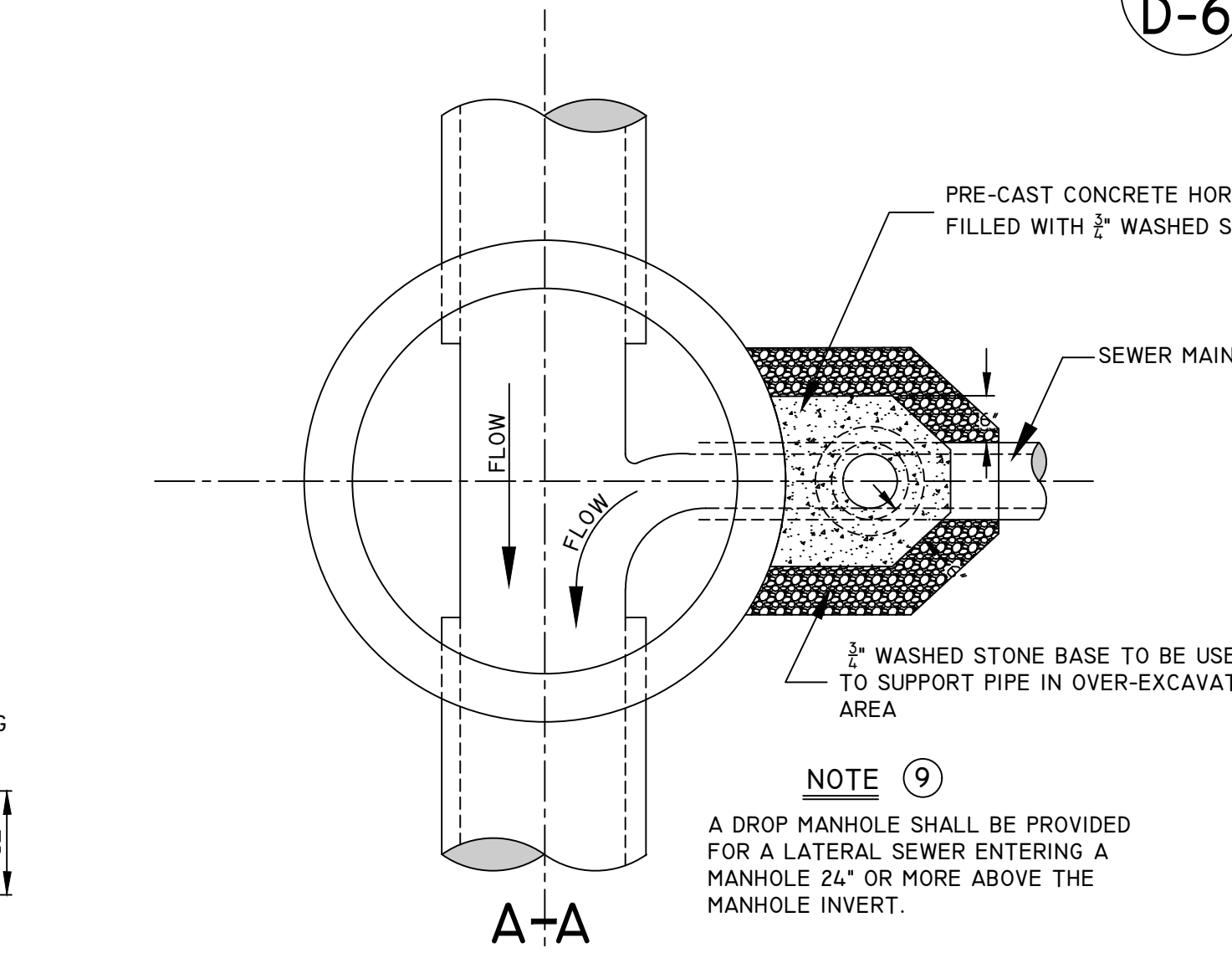


A - A

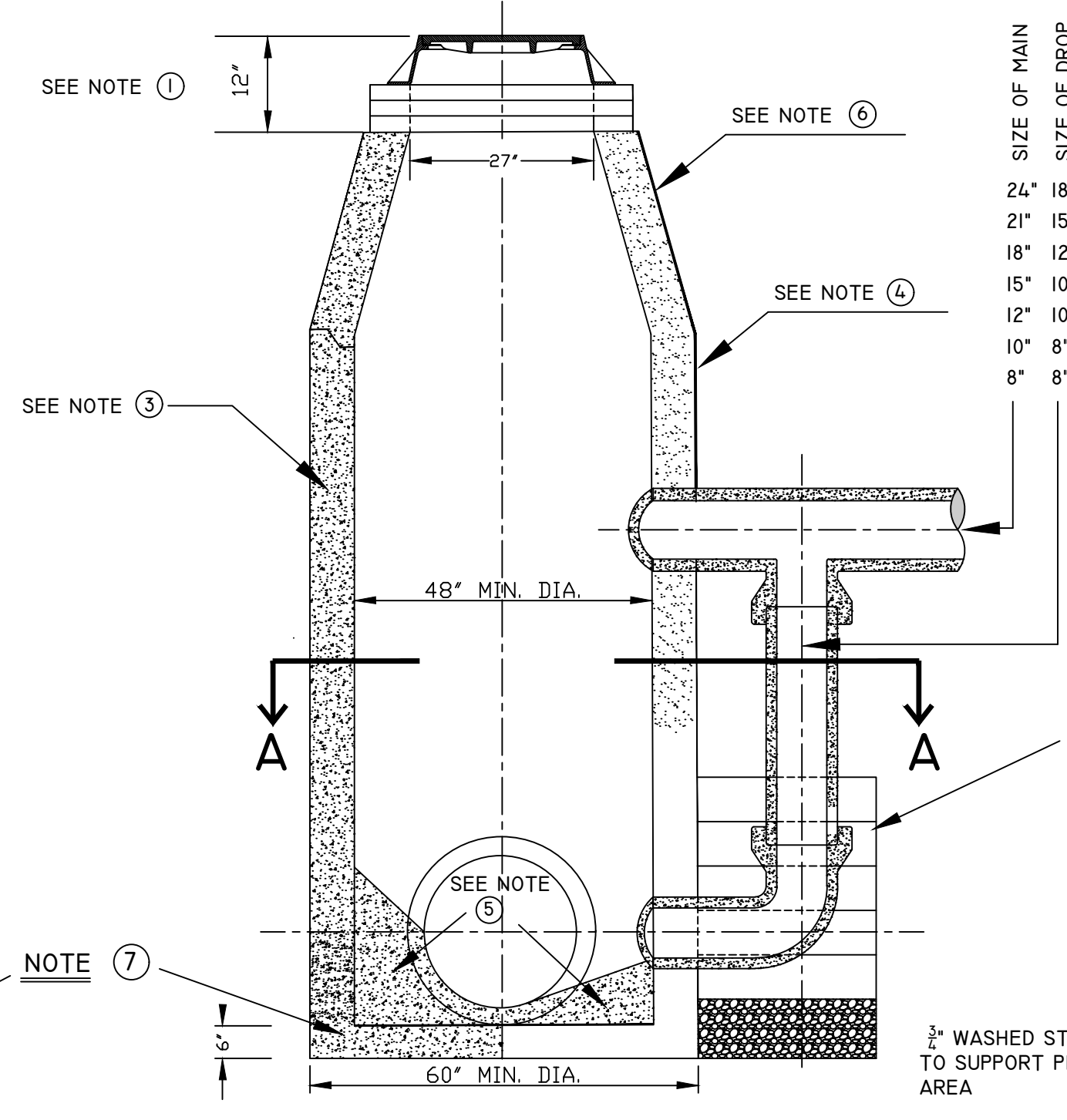


D
D-6

DETAILS OF STANDARD MANHOLE FOR 36" PIPE OR LARGER

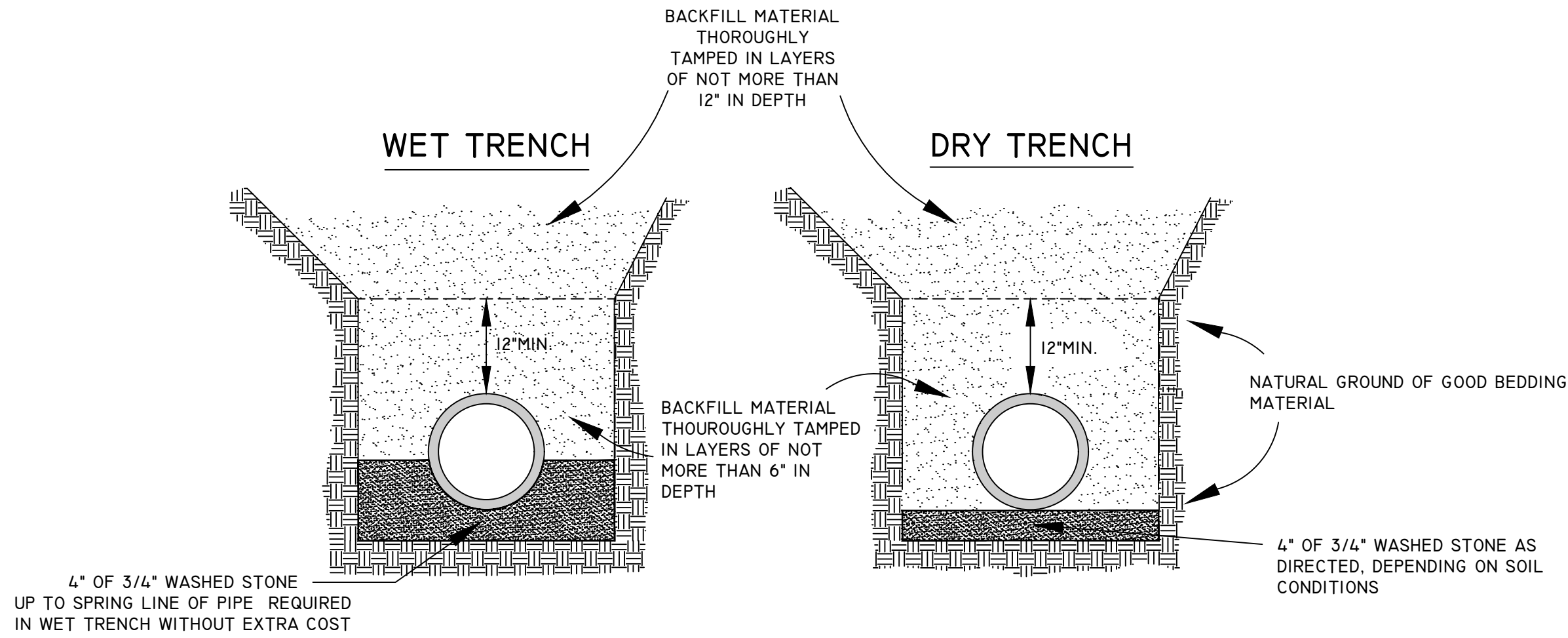


A - A



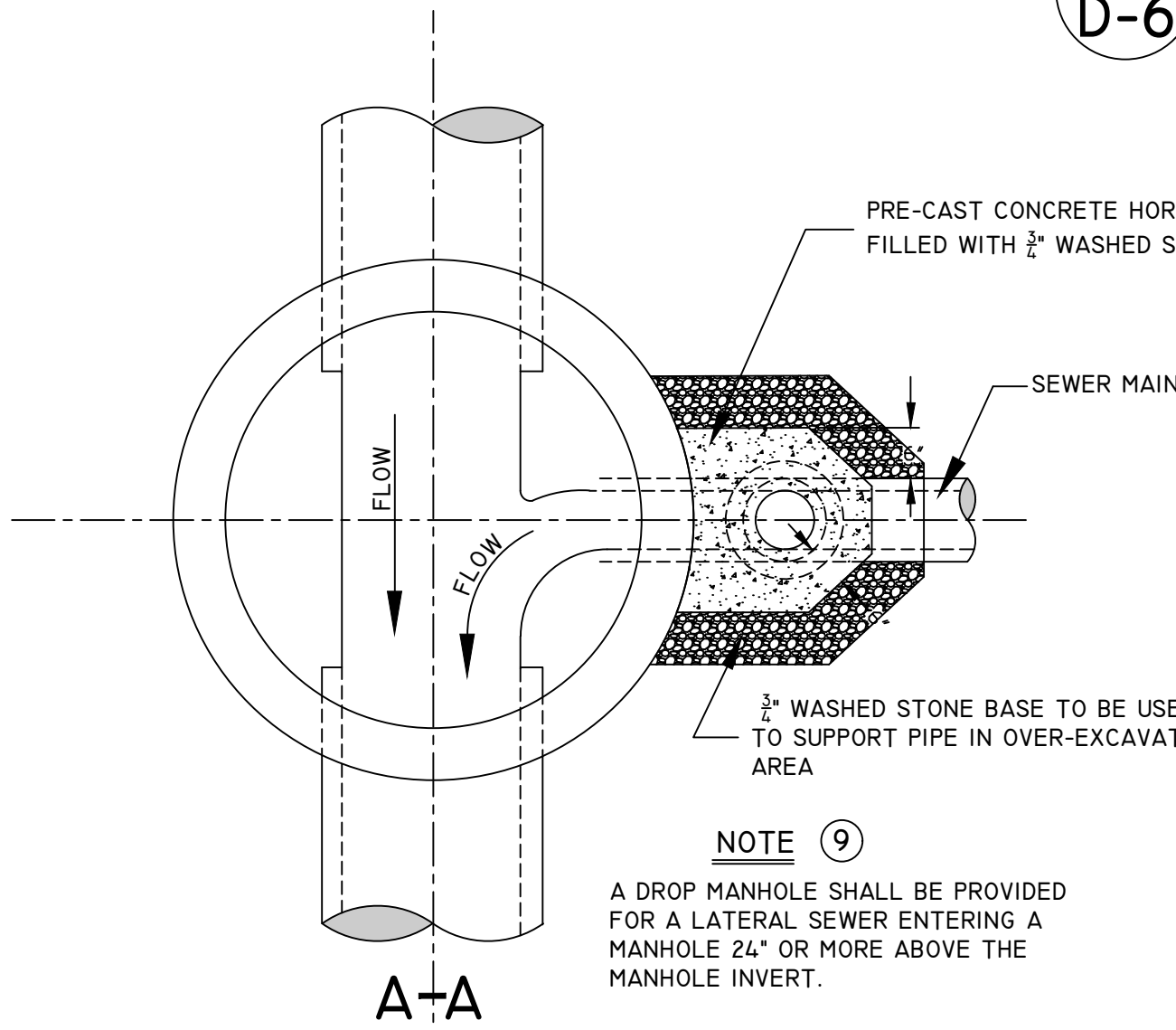
E
D-6

DETAILS OF DROP MANHOLE FOR 30" PIPE OR SMALLER



DETAILS OF SEWER TRENCHES

A
D-6

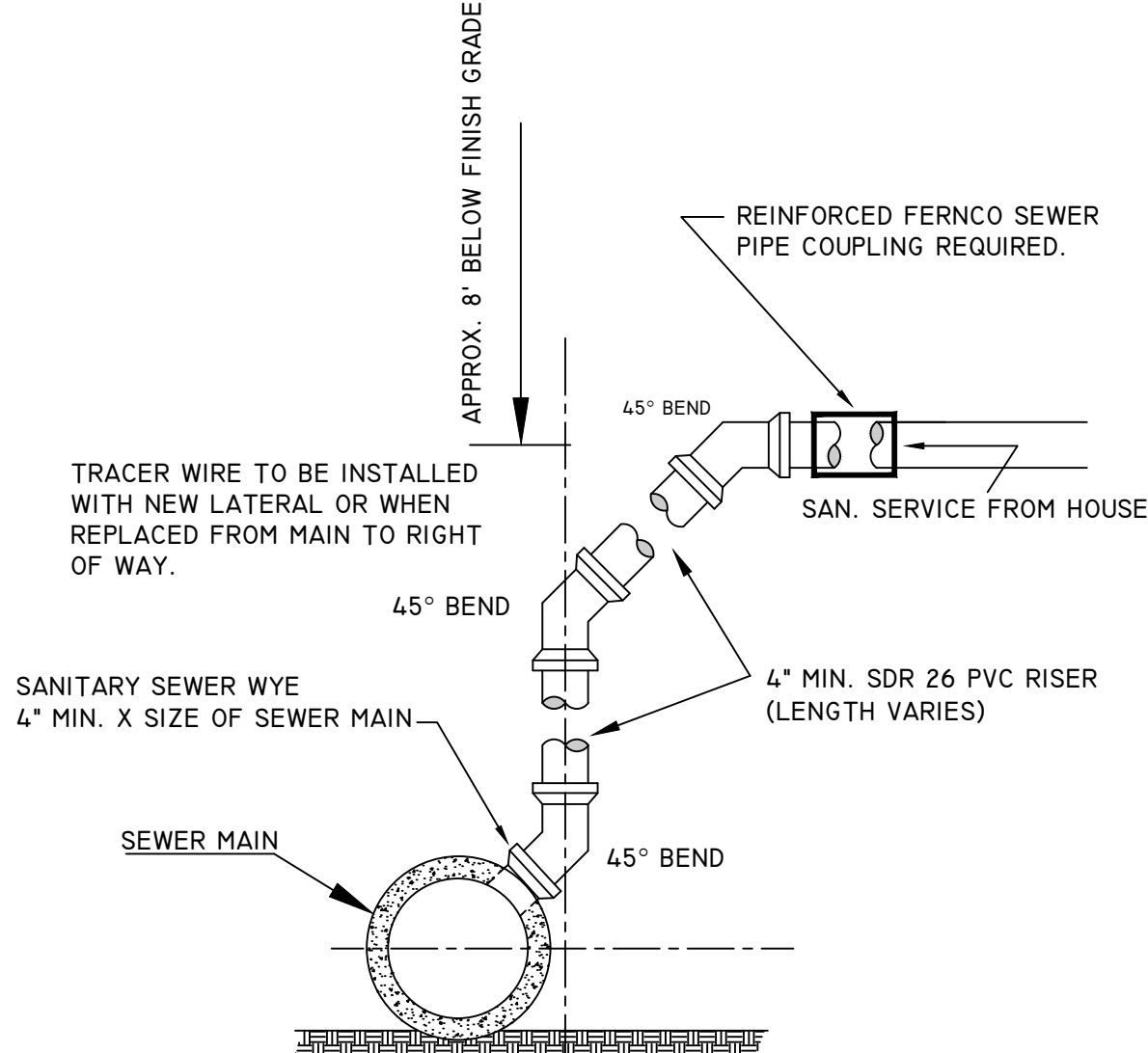


PRE-CAST CONCRETE HORSE SHOES FILLED WITH 1/2" WASHED STONE

SEWER MAIN

NOTE 9

A DROP MANHOLE SHALL BE PROVIDED FOR A LATERAL SEWER ENTERING A MANHOLE 24" OR MORE ABOVE THE MANHOLE INVERT.



DETAILS OF RISER FOR LATERAL CONNECTION

F
D-6

SANITARY SEWER DETAILS

D-6

ENGINEERING DEPT.
City of LaCrosse, Wis.

FIELD	REVISIONS	BY	DATE
BOOK	DRAWN	PRELIMINARY	
NUMBER	CHECKED	FINAL	
	APPROVED		
PAGE	REVISIONS	M.D.F.	J.M.C.
		3/203	6/2015
		J.M.C.	2/2019
		M.D.F.	8/2019
		M.D.F.	11/2019
		J.M.C.	11/2023
		J.M.C.	11/2024

SCALE: NONE