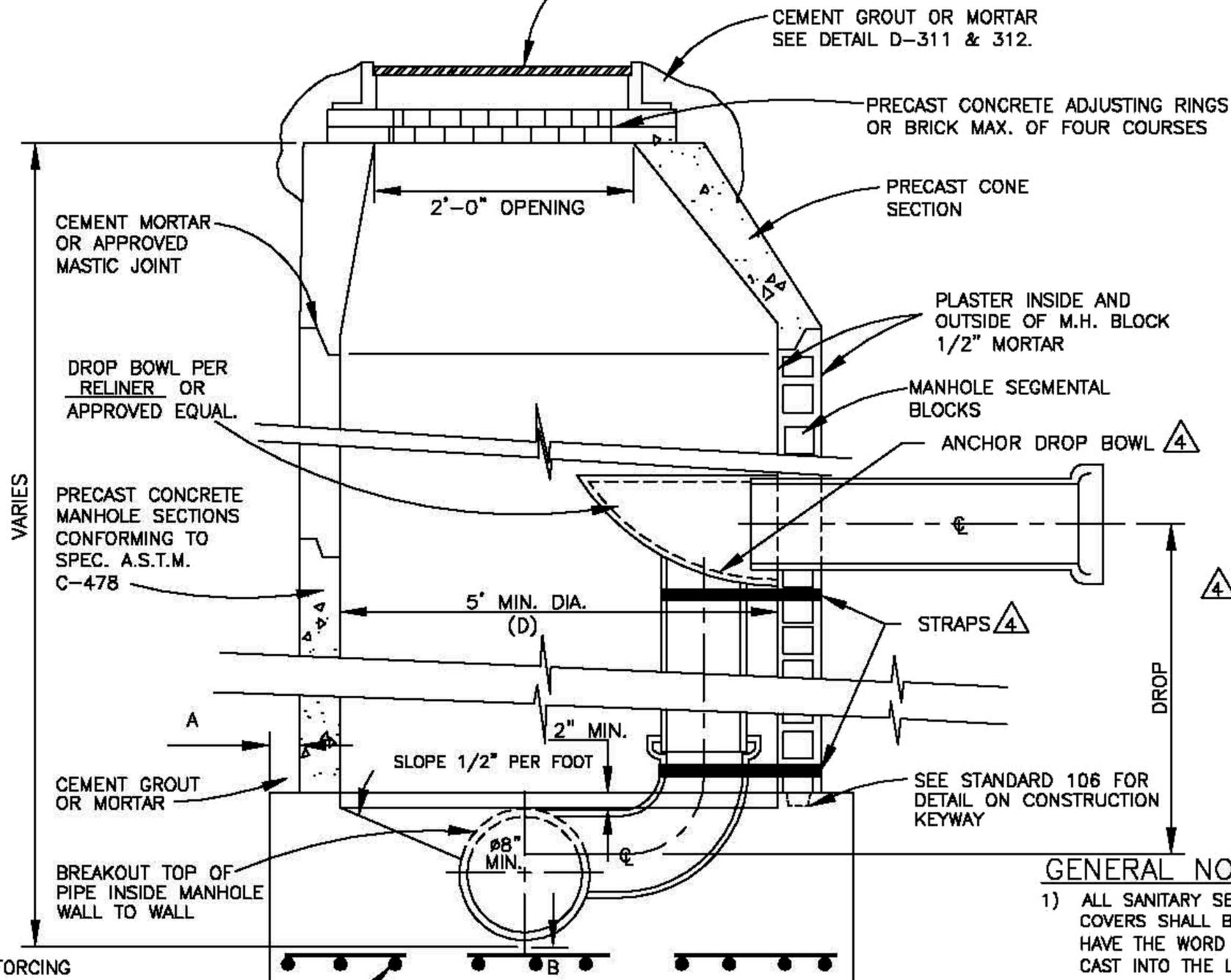


NOTE:

SEE STANDARD D-107 FOR PLACEMENT OF MANHOLE STEPS

SEWER C.I.M.H. RING & COVER AS MANUFACTURED BY NEENAH FOUNDRY STOCK No.R-1596 OR CITY APPROVED EQUAL ³

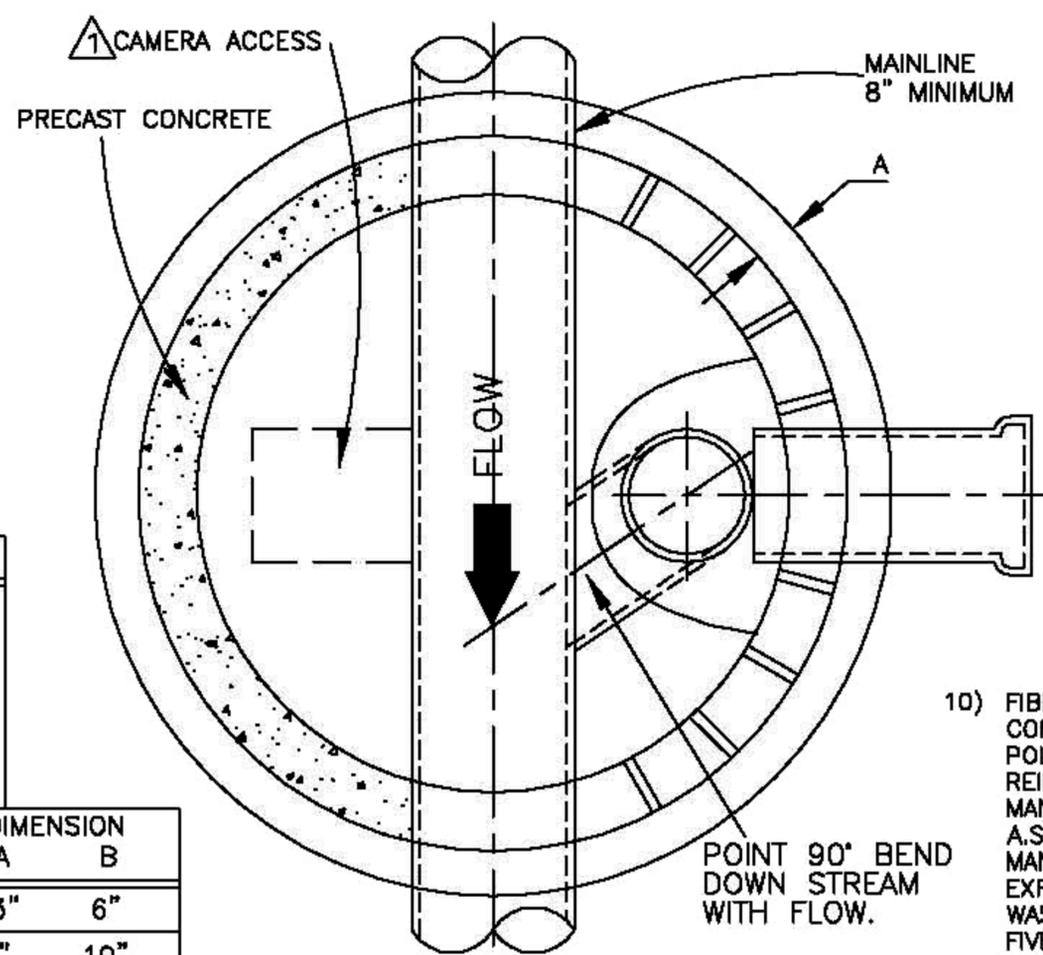


ANCHOR WITH STAINLESS STEEL STRAPS AT TOP AND BOTTOM IF LESS THAN 10 FEET IF OVER 10 FEET AT 10 FEET O.C. ⁴

GENERAL NOTES: ²

- 1) ALL SANITARY SEWER MANHOLE COVERS SHALL BE VENTED AND HAVE THE WORD "SEWER" CAST INTO THE LID.
- 2) ALL STORM SEWER MANHOLE COVERS SHALL BE VENTED AND HAVE THE WORD "STORM" CAST INTO THE LID.
- 3) COMPACT BACKFILL TO 95% OF MODIFIED PROCTOR. ³
- 4) POSITION M.H. OPENING OVER THE UPSTREAM SIDE OF LINE.
- 5) PIPE PENETRATION INTO M.H. SHALL BE FLUSH TO 2" MAX., MEASURED AT SPRINGLINE OF PIPE.
- 6) MANHOLE COVER SHALL HAVE A 5/8" MIN TO 1" MAX DIAMETER VENT HOLE CENTERED IN COVER.
- 7) DROP DISTANCE VARIES
- 8) ALL LIFTING HOLES AND GAPS BETWEEN MANHOLE RINGS AND LID, ETC... SHOULD BE FILLED WITH NON SHRINK GROUT.
- 9) MANHOLES IN A NON-PAVED AREA SHALL HAVE A MIN. 48" SQUARE CONCRETE APRON OR BE RAISED A MIN. 6" OR AS DIRECTED BY THE CITY ENGINEER. ²
- 10) FIBERGLASS MANHOLES SHALL BE MANUFACTURED FROM COMMERCIAL GRADE POLYESTER RESIN OR OTHER SUITABLE POLYESTER OR VINYL ESTER RESINS WITH FIBERGLASS REINFORCEMENTS. MANHOLE SHALL BE A ONE PIECE UNIT MANUFACTURED TO MEET OF EXCEED ALL SPECIFICATION OF A.S.T.M. D-3753 LATEST EDITION. FIBERGLASS MANHOLE MANUFACTURER SHALL DEMONSTRATE CONTINUED EXPERIENCE AS A MANUFACTURER OF FIBERGLASS WASTEWATER PRODUCTS FOR A PERIOD OF NOT LESS THAN FIVE YEARS. IN ADDITION ALL APPROVED MANHOLE MANUFACTURERS SHALL BE ISO9001.

REINFORCING
 #4 @ 12" O.C. EA. WAY FOR M.H. DEPTH OF 10 TO 16'
 #4 @ 6" O.C. EA. WAY FOR M.H. DEPTHS OF 16' OR GREATER



REV.	DATE
¹	12/08/02
²	01/07/04
³	12/01/05
⁴	12/07/05

MANHOLE DEPTH	DIMENSION	
	A	B
0'-0" TO 15'	3"	6"
OVER 15'-0"	6"	10"

CONSTRUCTION STANDARDS

DROP MANHOLE TYPE "D"

**CITY OF AZTEC
 PUBLIC WORKS DEPARTMENT**