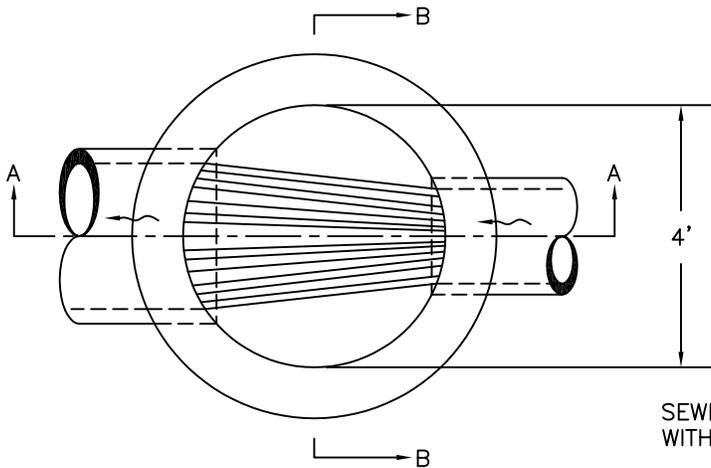
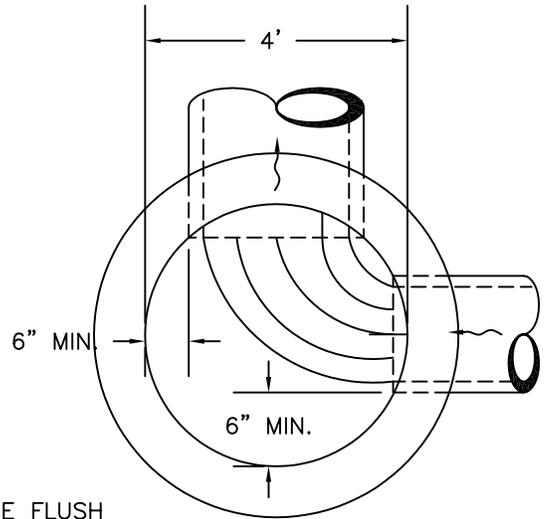


STANDARD DESIGN MANHOLE DETAILS

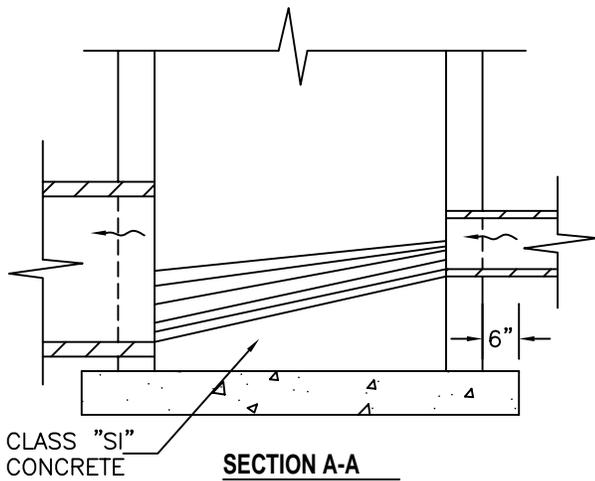


**SECTION PLAN
CHANGE IN SEWER SIZE**

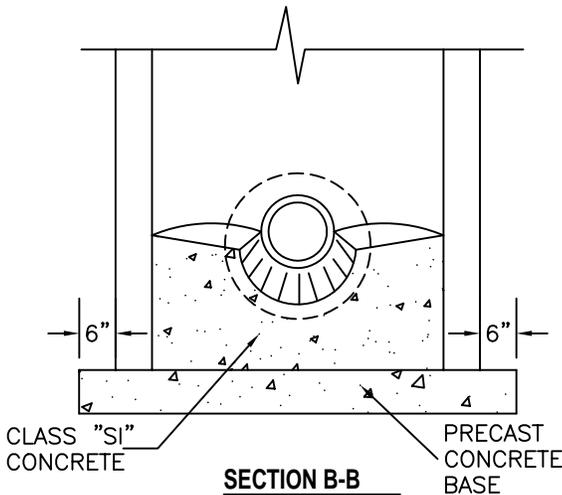


**SECTION PLAN
90° BEND IN SEWER**

SEWER PIPE FLUSH
WITH MANHOLE WALL



SECTION A-A



SECTION B-B

NOTES:

1. WHEN USING COMPOSITE OR PVC PIPE, MANHOLE BASES SHALL BE PRECAST WITH CONNECTION OPENINGS SPECIFICALLY DESIGNED TO ACCOMMODATE THE PIPE CONNECTION STUB AND GASKET. ALL OTHER MANHOLES MAY HAVE POURED IN PLACE, PRECAST, OR PRECAST BOTTOMS WITH PRE FORMED INVERTS. POURED BASES SHALL USE "SI" CONCRETE AND HAVE A DIAMETER EXCEEDING THE MANHOLE OUTSIDE DIAMETER BY A MINIMUM OF 18". ON POURED IN PLACE OR PRECAST BOTTOMS WITHOUT INVERTS, THE INVERT SHALL BE FORMED BY LAYING THE SEWER THROUGH THE MANHOLE. THE BOTTOM SHALL THEN BE SHAPED AS SHOWN IN THE STANDARD AND THE UPPER HALF OF THE SEWER CAREFULLY SAW CUT AND REMOVED.
2. AT MANHOLES WHERE THE PIPE SIZE CHANGES, OR WHERE THERE ARE CHANGES IN DIRECTION, THE INVERT OF THE MANHOLE SHALL BE SHAPED WITH CONCRETE FILL TO ACCOMPLISH THE CHANGE IN ELEVATION, DIAMETER, AND OR DIRECTION BY EASY CURVES. THE CROWN OF THE SMALLER PIPE WILL MATCH THE CROWN OF THE LARGER OR THE INVERT OF THE SMALLER PIPE WILL MATCH THE SPRING LINE OF THE LARGER, WHICHEVER DROP IS LESS.
3. THE METHOD OF SEALING CONNECTION OF SEWER PIPE TO MANHOLE SHALL BE APPROVED BY THE CITY ENGINEER AND SHALL BE SUCH AS TO PROVIDE A WATERTIGHT JUNCTION ELIMINATING ALL INFILTRATION AROUND THE PIPE. MORTAR SHALL NOT BE USED.

CITY OF DECATUR, ILLINOIS
DEPARTMENT OF ENGINEERING
INFRASTRUCTURE

ADOPTED JANUARY 1, 2003

DIRECTOR OF ENGINEERING & INFRASTRUCTURE

ISSUED:	7-3-78
REVISIONS	
BY	DATE
F.W.T.	12/15/81
SHOE	9/15/89
JMM	11/5/02

STANDARD#2010