



**60" TO 96" PRECAST BASE**  
SEE TABLE FOR MAXIMUM PIPE SIZES

PRECAST OR POURED IN PLACE BASE SECTION WITH 6" GRANULAR BEDDING. USE OF BARREL BLOCKS IS CONTINGENT UPON VILLAGE APPROVAL AND THEN ONLY IN SPECIAL CASES.

**48" PRECAST BASE**  
FOR 30" & SMALLER PIPE

* BASE I.D.	MIN "t"	MAX. PIPE SIZE
60"	5"	36"
72"	6"	48"
84"	7"	54"
90"	7 1/2"	60"
96"	8"	60"

\*DUE TO PIPE ORIENTATION, LARGER DIAMETER BASE THAN WHAT IS SPECIFIED TO ACCEPT PIPE MAY BE REQUIRED.

**NOTES**

- A.** STORM MANHOLE FRAME AND COVER SHALL BE EAST JORDON IRON WORKS NO. 1050 FOR 9" HEIGHT, 1020-1 FOR 6" HEIGHT, 1022-1 FOR 7" HEIGHT, AND 1037 FOR 4" HEIGHT WITH TYPE M1 GRATE OR TYPE "A" SOLID COVER LID. COVER LID SHALL BE MARKED "STORM" AND SHALL HAVE AN O-RING GASKETED SEAL.
- B.** SECTIONS OF THE PRECAST MANHOLE SHALL BE CAST AND ASSEMBLED WITH EITHER ALL TONGUE OR ALL GROOVE ENDS UP. LIFT HOLES MAY BE PROVIDED IN EACH SECTION FOR HANDLING.
- C.** TOP AND TRANSITION (OR REDUCER) SECTIONS MAY BE EITHER ECCENTRIC CONE OR FLAT SLAB.
- D.** OPENINGS IN RISER SECTIONS FOR 18" AND SMALLER INLET PIPES MAY BE PREFABRICATED OR CUT IN THE FIELD PROVIDED THE SIDES OF THE PIPE AT THE SPRING LINE DO NOT PROJECT INTO THE MANHOLE.
- E.** MATERIALS FOR BASES AND OTHER PRECAST SECTIONS, INCLUDING REINFORCEMENT SHALL COMPLY WITH ODOT REQUIREMENT OF 706.13 (ASTM C-478).
- F.** LOCATE THE CENTERLINE OF MANHOLE CONES OVER THE CENTERLINE OF THE MAIN SEWER WHENEVER POSSIBLE.
- G.** FOR PIPE SIZES LARGER THAN 60", REFER TO ODOT TYPE 4 TO 5 MANHOLE.
- H.** NO LATERALS MAY PROTRUDE INTO THE INTERNAL MANHOLE.
- I.** MAXIMUM SPACING SHALL BE 400'.
- J.** PIPE PENETRATIONS SHALL BE CUT WITH A CORE DRILL OR CAST IN PLACE WHILE CASTING CONCRETE BASIN. PIPE TO INTRUDE INTO CATCH BASIN 1" AND PIPE MUST BE CUT PARALLEL TO CATCH BASIN. ALL PIPES SHALL BE SEALED AND CONNECTED PER DETAIL 600-15.
- K.** JOINTS BETWEEN SECTIONS TO BE EITHER MORTAR OR BITUMINOUS PIPE JOINT FILLER (ODOT 706.10)
- L.** MANHOLES IN PAVEMENT SHALL HAVE CHIMNEYS CONSTRUCTED ACCORDING TO SHEET 500-7,500-8, AND 500-9.

VILLAGE OF  
ADA



**TYPE 3 STORM MANHOLE**

REVISIONS:  
AUG. 1999  
MAR. 2000  
04-09-09

DATE  
APPROVED:  
MAY 1997  
PAGE No.

600-4