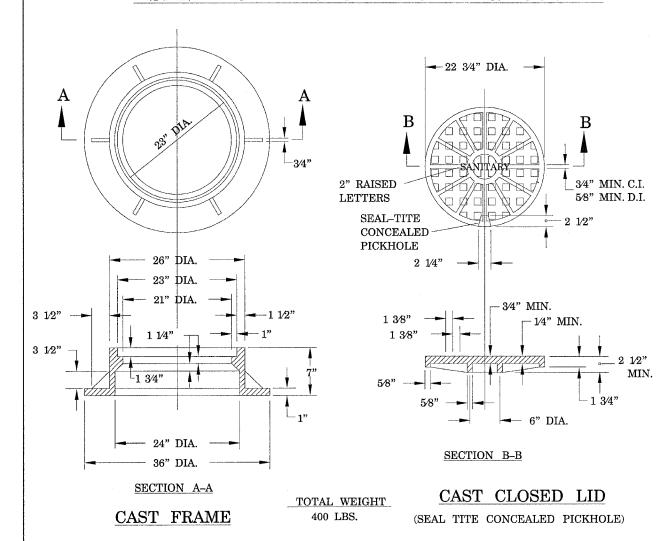
SANITARY MANHOLE FRAME & COVER



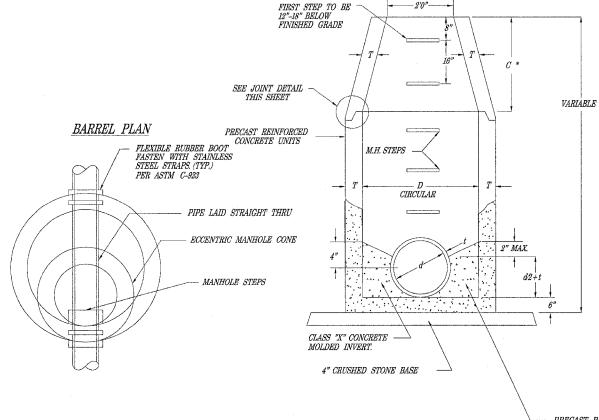
- 1. DUCTILE IRON CASTING SHALL BE GRADE 60-40-18 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
- 2. ALL FRAMES AND COVERS SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES, PICKHOLES SHALL NOT CREATE OPENINGS IN THE COVER.
- 3. THE MANHOLE COVERS SHALL HAVE RAISED LETTERS AS SHOWN.
- 4. ALTERNATIVE TO DUCTILE IRON LID, GRAY IRON LID MAY BE USED.
- 5. MINIMUM WEIGHTS FOR THE CASTINGS AS SHOWN.
- 6. DIMENSIONS FOR CASTINGS ARE COMPARABLE TO EAST JORDAN NO. 1022-3 OR NEENAH FOUNDRY 1772-C.
- 7. WATERPROOF, BOLT DOWN FRAME AND COVER SHALL BE USED IN ANY LOCATION SUBJECT TO INUNDATION. NEENAH R-1916-C OR EAST JORDAN IRON WORKS 1022-3PT (OR APPROVED EQUAL).
- 8. ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.

CONTRACT NO. 6451 SECTION COUNTY 573 116R-4 DEKALB 416 257 TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

NOTE: 1. FRAME: NEENAH R-1772B LID: SELF-SEALING CONCEALED PICK HOLE WITH THE WORD "SANITARY" CAST IN LID SET ON BITUMINOUS MASTIC OR RUBBER GASKET SEAL.

MATERIAL FOR WALLS CT (MIN) 4'0" 2'6" PRECAST REINFORCED CONCRETE SECTIONS 4" 3'9" 5"

2. ADJUSTING RINGS, PRECAST REINFORCED CONC. 9" MAX., 2" MIN. SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-R-NEK OR APPROVED EQUAL).



DIAMETER OF MAIN SEWER INSIDE DIAMETER OF MANHOLE 18" & UNDER 21" THRU 42" 5'- 0"

* DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6 INCHES.

EXTERNAL JOINTS TO BE SEALED WITH MAC-WRAP -

JOINT DETAIL

PREFORMED GASKET (TYP.) RAM-NEK, EASY STICK OR APPROVED EQUAL.

PRECAST REINFORCED CONCRETE MANHOLE BOTTOM WITH INTEGRAL SIDEWALL, IF BOTTOM IS NOT PREFORMED LAY SEWER PIPE THROUGH MANHOLE AND CAREFULLY REMOVE TOP HALF OF PIPE.

SANITARY MANHOLE

(Not to Scale)

- 1. PRECAST REINFORCED CONCRETE RISERS, TOP & BOTTOM SHALL CONFORM TO ASTM C-478.
- 2. MANHOLE STEPS SHALL BE NEENAH R-1981-1 W/POLYPROPYLENE COATING SIMILAR TO MA INDUSTRY PS-1-PF OR APPROVED EQUAL.
- 3. WHERE REQUIRED, WATERPROOF FRAMES SHALL BE NEENAH R-1919 WITH LID, AS ABOVE OR APPROVED EQUAL.