

EJIW 1710 MANHOLE FRAME AND COVER OR EQUAL. MAKE FLUSH WITH RIGID OR FLEXIBLE PAVEMENT, TRAVELED ROAD SURFACE OR 3" ABOVE EARTH.

MANHOLE STEP (SEE STANDARD DETAIL), 16" o/c. FIRST STEP NOT MORE THAN 2'-0" BELOW TOP OF FRAME. MAKE PROJECTION 3 1/2" IF IN 24" DIA. SECTION.

SET FRAME ON 1" CEMENT MORTAR BED.

ADJUSTING COLLARS (3 MIN.-18" MAX.) PLASTER INSIDE AND OUT WITH 1/2" CEMENT MORTAR.

ECCENTRIC CONE TOP

'O'-RING JOINTS (TYP.)

ALL PRECAST CONCRETE SHALL BE REINFORCED IN ACCORDANCE WITH THE LATEST REVISIONS OF A.S.T.M. DESIGNATION C-478; ALL PRECAST CONCRETE SECTIONS SHALL BE MANUFACTURED AND FURNISHED AS SOLID SECTION WITHOUT LIFT HOLES OF ANY KIND.

ECCENTRIC OR FLAT SLAB TRANSITION SECTION

A.S.T.M. C-923 WATERSTOP

SPRING LINE OF PIPE

2500 P.S.I. CONCRETE FILL (FULL CHANNEL FILL FACE TO FACE)

4000 P.S.I. CONCRETE FILL (POURED IN PLACE)

#5 RE-BARS AT 18" O.C. EACH WAY FOR MANHOLE DEPTHS LESS THAN 14'

#5 RE-BARS AT 11" O.C. EACH WAY FOR MANHOLE DEPTHS 14' TO 25'

THOROSEAL INSIDE OF SANITARY MANHOLES ONLY, FULL DEPTH. (ANY COLOR BUT GRAY). ALL JOINT AND CONNECTIONS TO BE WATER PLUGGED.

NOTE: BRICK MAY BE USED IN PLACE OF PRECAST SECTIONS ABOVE FLAT SLAB TRANSITION SECTION FOR STORM MANHOLES ONLY. ALL BRICK TO BE SHALE OR CLAY.

## STANDARD TYPE "B" ECCENTRIC MANHOLE

(27" TO 42" I.D.)

NO SCALE

**City Of Eastlake**

**Standard Construction Details**

**SD-3-02**