

## VERTICAL SECTION

## NOTES:

- THE PRECAST CONCRETE SHALL BE CLASS A TYPE II/V 4000 PSI CONCRETE.
- 2. ALL MORTAR SHALL BE CLASS "B"
- 3. EXCEPT AS NOTED HEREON, PRECAST UNIT SHALL BE MANUFACTURED AND TESTED IN ACCORDANCE WITH A.S.T.M. C-478. THE CURING OF THE PRECAST UNITS SHALL CONFORM TO SECTION 207-2.7 OF STANDARD SPECIFICATIONS.
- RISER SECTIONS AND ECCENTRIC CONE SHALL BE REINFORCED.
   REINFORCED SECTIONS SHALL BE IN ACCORDANCE WITH
   A.S.T.M. C-478 AND SHALL HAVE A MINIMUM WALL THICKNESS OF 6 INCHES.
- JOINTS MAY BE KEY TYPE OR TONGUE AND GROOVE AND SHALL CONFORM WITH A.S.T.M. C-478, SECTION 14.
- THE PCC COLLAR SHALL BE 1 1/2 INCHES FROM FINISH GRADE AND 3 INCHES BELOW THE RING AND CONE JOINT. THE MIX DESIGN SHALL BE 560-C-3250.

SEWER MANHOLE: CONCRETE SHAFT

UDS - 505

LONG BEACH
WATER DEPARTMENT

DIVISION ENGINEER

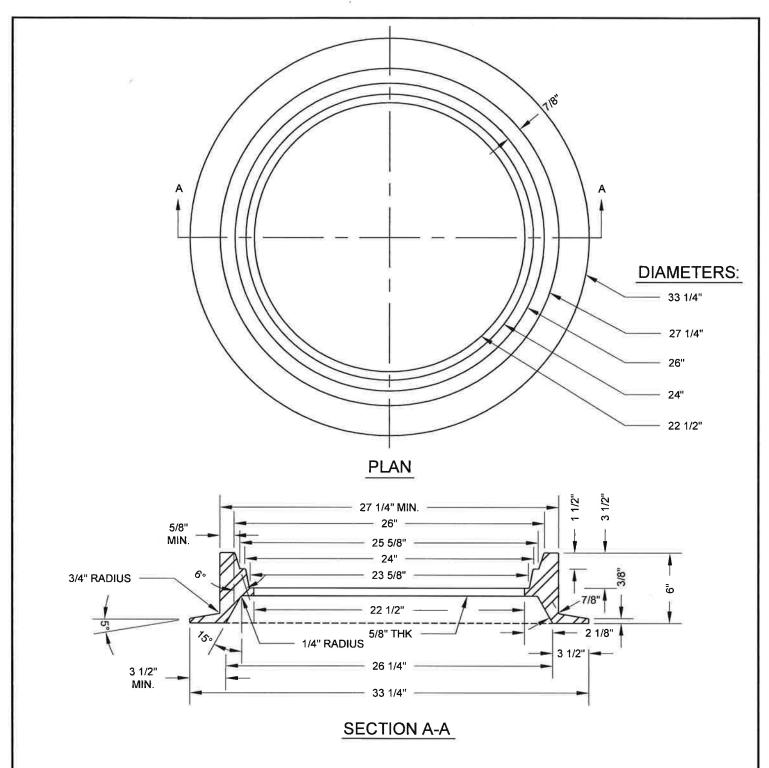
DIVISION ENGINEER

DIVISION ENGINEER

DATE: 8/3/15

SCALE: N.T.S.

SHEET 1 OF 3



## NOTES:

- CAST IRON SHALL CONFORM TO A.S.T.M. SPECIFICATION A-48-64 TO CLASS 30 MINIMUM.
- 2. INSIDE DIAMETER OF TOP EDGE OF FRAME SHALL NOT EXCEED A DIMENSIONAL TOLERANCE OF ± 1/16 INCH
- 3. ALL FILLET RADII 1/8 INCH UNLESS OTHERWISE NOTED

