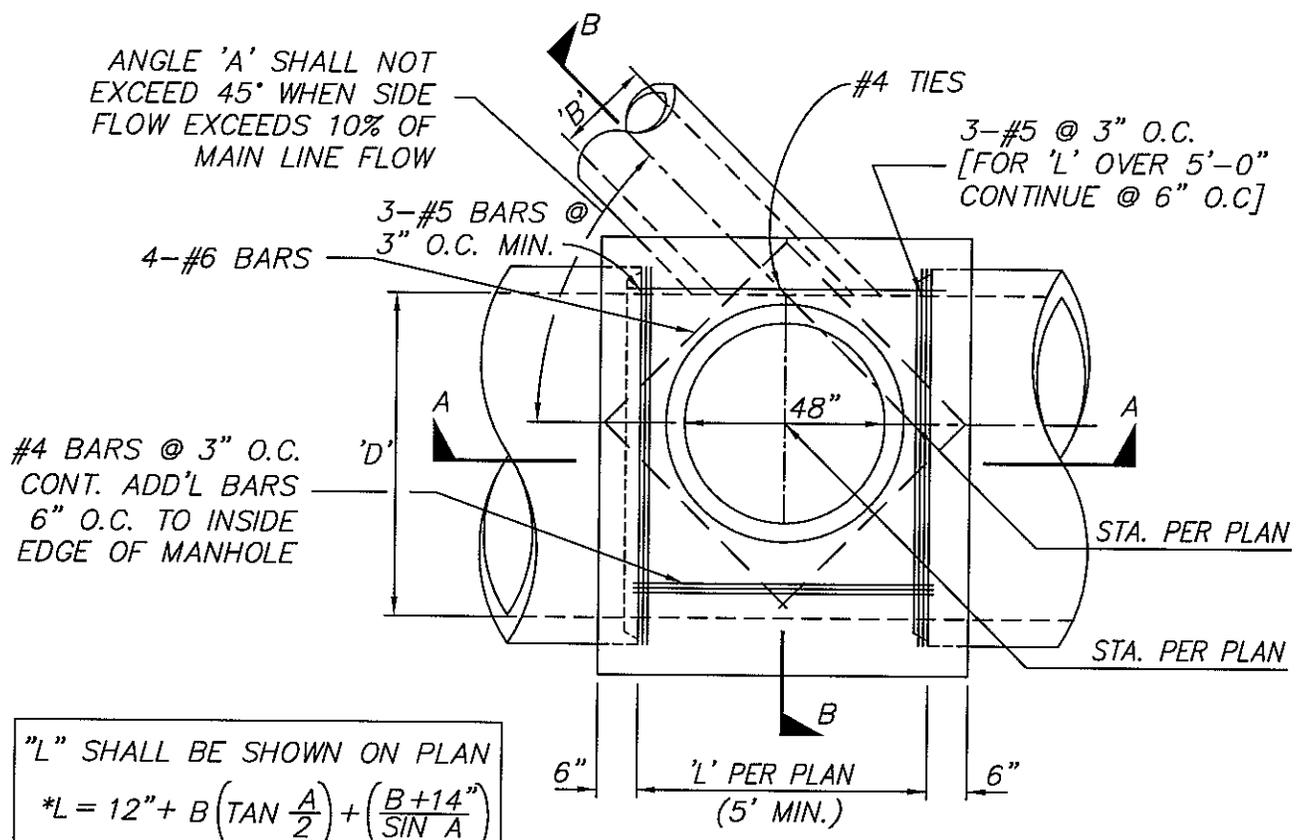


TABLE "A"

'D' PIPE DIA.	'F'
60" OR LESS	9"
63" TO 69"	10.5"
72" TO 78"	12"
84"	13"

REFER TO STD. PLAN 304,
SHEET 2 of 2 FOR SECTIONS

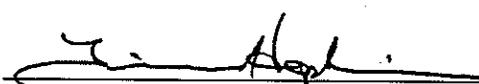


"L" SHALL BE SHOWN ON PLAN
 $*L = 12" + B \left(\tan \frac{A}{2} \right) + \left(\frac{B+14"}{\sin A} \right)$
 *ROUND OFF TO THE NEXT HIGHER FOOT

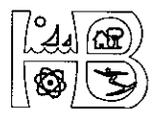
PLAN
(SHAFT NOT SHOWN)

GENERAL NOTES:

1. THIS STRUCTURE MAY BE USED FOR MAINLINE PIPES UP TO 84" DIA. AND SIDE INLETS UP TO AN OUTSIDE DIA. OF NO MORE THAN 1/2 THE INSIDE DIA. OF THE AVERAGE OF THE MAIN LINE PIPES.
2. CONCRETE SHALL BE 560-C-3250. FOR REINFORCED CONC. MANHOLE SHAFT SEE STD. PLAN 306.
3. FOR MAINLINES SMALLER THAN 48" THE SHAFT SHALL BE CENTERED ON PIPE AXIS AND SHELVES CONSTRUCTED PER DETAIL ON STD. PLAN 304, SHT. 2 of 2.
4. DIMENSION 'F' SHALL BE BASED ON THE LARGEST MAIN LINE I.D. AS SHOWN ON TABLE "A".
5. OMIT CONE WHEN PIPE COVER IS LESS THAN 4'. USE FLAT TOP SECTION.

APPROVED:

 CITY ENGINEER

CITY OF HUNTINGTON BEACH
 DEPARTMENT OF PUBLIC WORKS



REVISION DATE: MAY 2008

JUNCTION STRUCTURE -
 TYPE "A"

STANDARD PLAN
 304
 1 of 2