

PROVIDE 3/4" X 2" NOTCH IN HEADWALL AND DOWNDRAIN TO RECEIVE GRATING

VARIES WITH SLOPE

DOWNDRAIN PER STD. DET. NO. 330

CONCRETE HEADWALL

1'-6"

1'-6"

PIPE SIZE AND TYPE PER PLAN

6"

CONCRETE OR AIR BLOWN MORTAR

4"

8"

SEE DETAIL BELOW

1'-0" MIN.

3'-8"

6"

SECTION A-A

SECTION B-B

WELD WASHERS TO REMOVABLE GRATE (4 TOTAL)

EXPOSE 1 1/4" PORTION OF THREADED ANCHOR BOLT

3/16" TYP.

3/16" TYP.

#4 PERIMETER SUPPORT BARS

1/2" X 6" GALV. ANCHOR BOLTS SET IN CONC. (4 TOTAL)

#4 GALV. BARS AT 3" O.C. WELDED TO GALV. #4 SUPPORT BARS

#4 GALV. SUPPORT BARS AT 9" O.C.

PLAN VIEW

NOTES

1. GROUND SHALL BE PRE-WETTED TO THE SATISFACTION OF THE CITY FIELD ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
2. MATERIAL FOR CONSTRUCTION OF DOWNDRAIN SHALL BE CONCRETE OR AIR BLOWN MORTAR REINFORCED WITH 6" X 6" - W1.4XW1.4 WELDED WIRE FABRIC.
3. CONCRETE SHALL BE CLASS 500-C-2500.
4. AIR BLOWN MORTAR SHALL BE CLASS 600-E-3250.
5. DOWNDRAIN TO PIPE TRANSITION SHALL NOT BE USED WITHIN PUBLIC RIGHT-OF-WAY.
6. GRATE SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.

NO.	REVISIONS	BY

CITY OF ANAHEIM
PUBLIC WORKS
ENGINEERING DEPARTMENT

DOWNDRAIN TO PIPE TRANSITION

APP'D *[Signature]* 3-25-92
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER DATE

APP'D *[Signature]* 3-24-92
DEVELOPMENT SERVICES MANAGER DATE

STANDARD
DETAIL NO. 331