FACE PLATE ANCHORAGE
AND CURB SUPPORT DETAIL
(SEE SHEET 5 FOR NOTES)

CITY OF MISSION VIEJO
MISCELLANEOUS CURB INLET
DETAILS AND NOTES

STANDARD PLAN NO. 404

APPROVED RCE 30190 DATE 9.23.03 SHT 1 OF 5

5/16" X 10" ROLLED PLATE (ASTM A36, ALHAMBRA FOUNDRY A-3911 APEX STEEL CORPORATION X412 OR EQUAL, GALVANIZED BOTH SIDES), FORMED AS SHOWN.

1 1/8" HOLE IN PLATE

LENGTH OF CURB OPENING | NO. OF ANCHORS
-------------------------|-------------
3'-6" OR LESS            | 2
7'-0"                    | 3
10'-0"                   | 4
14'-0"                   | 5
21'-0"                   | 7

PROTECTION BAR, SEE NOTE 9

1/2" DIA STIRRUP

1:1

5" MIN.

5/8"

10" OR 12" C (SEE NOTE 13)

BATTER TO CONFORM WITH ADJOINING CURB.

ALTERNATE ANCHORS

(TYP.) WELD

HEX NUTS

(TYP.) WELD

11/16" R.
NOTE:
The 1/2" DIA x 8" STUD SHALL BE ELECTRICALLY WELDED. A NELSON H4F SHEAR CONNECTOR OR EQUAL SHALL BE USED.

EYE BOLT AND ALTERNATE ANCHOR DETAIL FOR FACE PLATE

SUPPORT BOLTS AS NEEDED
3/4" DIA PROTECTION BAR TOP OF CURB LINE
5/16" X 10" GALV. STEEL FACE PLATE

COUPLING (TYP.)

SEE NOTE 4

PROTECTION BAR DETAIL

(SEE SHEET 5 FOR NOTES)
ANGLE TO MATCH CURB FACE

WELD

1/2" GALV. STIRRUP

PROTECTION BAR

3-1/2" x 3-1/2" x 5/16" GALV. ANGLE

1/2" DIA AT 3'-6" C-C

2-1/2"

8"

4"

1"

DETAIL A

(SEE SHEET 5 FOR NOTES)

CITY OF MISSION VIEJO

MISCELLANEOUS CURB INLET DETAILS AND NOTES

STANDARD PLAN NO. 404

APPROVED RCE 30190 DATE 9.23.03

SHT 3 OF 5
3/4" GALV. STEEL STEP
(SEE NOTE 17 ON SHEET 5)

STEP DETAIL

#4 TOTAL: 3

ALTERNATE
REINFORCED FLOOR
SEE NOTE 20 ON SHEET 5

CITY OF MISSION VIEJO
MISCELLANEOUS CURB INLET
DETAILS AND NOTES

STANDARD PLAN NO. 404

APPROVED RCE 30190 DATE SHT 4 OF 5
1. ONE EYE BOLT SHALL BE PLACED 12" FROM EACH END OF FACE PLATE.

2. EYE BOLTS SHALL BE SYMMETRICALLY SPACED IN THE CURB OPENING SO THAT THE UNSUPPORTED SPAN IS NOT MORE THAN 4'. SUPPORT BOLTS, WHEN USED, SHOULD BE CONSIDERED AS EYE BOLTS IN THE SPACING.

3. ONE COUPLING SHALL BE PLACED 6" TO THE RIGHT OR LEFT OF EACH EYE BOLT WITH THE EXCEPTION OF THE LAST EYE BOLT. COUPLINGS SHALL BE THREADED TO FACILITATE REMOVAL OF PROTECTION BAR.

4. GALVANIZED STEEL SUPPORT BOLTS SHALL BE INSTALLED WHEN LENGTH OF CURB OPENING EXCEEDS 7'-0" AND SHALL BE SPACED AT NOT MORE THAN 7'-0" O.C. AND NOT LESS THAN 5'-0" O.C.

5. FACE PLATE ANCHORS SHALL BE UNIFORMLY SPACED NOT TO EXCEED 4' BETWEEN CENTERS AND SHALL BE PLACED 4 1/2" FROM EACH END OF FACE PLATE.

6. A COUPLING MAY BE OMITTED PROVIDED THE PROTECTION BAR IS REMOVABLE AFTER INSTALLATION.

7. ALL METAL SHALL BE GALVANIZED AFTER FABRICATION.

8. SUPPORT BOLTS, EYE BOLTS, AND ANCHORS MAY BE ATTACHED BY A FULL PENETRATION BUTT WELD AS AN ALTERNATE.


10. CURB SECTION SHALL MATCH ADJACENT CURB TYPE.


12. USE OF ANGLE FACE PLATE AS SHOWN ON SHEET 3 SHALL BE ALLOWED ONLY WHEN ON APPROVED PLANS.

13. FOR "T" WALL THICKNESS SEE TABLE ON INLET STD. PLAN.

14. REINFORCING STEEL SHALL BE #4 BARS AT 12" = CENTERS PLACED 1 1/2" CLEAR TO INSIDE OF BOX UNLESS OTHERWISE SHOWN.

15. STEPS – NONE REQUIRED WHEN "H" IS 3'-6" OR LESS. INSTALL ONE STEP 16" ABOVE FLOOR WHEN "H" IS MORE THAN 3'-6" AND LESS THAN 5'-0", WHERE "H" IS MORE THAN 5'-0", STEPS SHALL BE EVENLY SPACED AT 16" INTERVALS FROM 16" ABOVE FLOOR TO WITHIN 12" OF THE TOP OF THE BOX. PLACE STEPS IN WALL WITHOUT PIPE OPENINGS.

16. PIPE(S) CAN BE PLACED IN ANY WALL.

17. EXCEPT FOR INLETS USED AS JUNCTION BOXES, BASIN FLOORS SHALL HAVE A MINIMUM SLOPE OF 4:1 FROM ALL DIRECTION TOWARD OUTLET PIPE AND SHALL HAVE A WOOD TROWEL FINISH.

18. ALTERNATIVE REINFORCED FLOOR AT THE OPTION OF THE CONTRACTOR.