NOTES:
1. All inlets shall have a County approved "anti-pollution" plastic marker attached to the inlet as directed by the Inspector or Resident Engineer. The marker shall be applied following manufacturer's recommendations. PCC surfaces shall be mechanically cleaned just prior to attaching the marker. The marker and adhesive may be furnished by the Public Works Department, check your permit conditions or contact Special Provisions.

2. Steps shall be steel reinforced polypropylene plastic. MA Industries, Inc. PS2-FF or equivalent. Steps to be cast in place or pour fitted into holes per manufacturer, install steps with lowest rung 12" maximum above the floor and highest rung not more than 6" below top of inlet. The spacing between steps shall not exceed 12" and shall be uniform throughout the length of the wall. Place steps in the wall without an opening, Steps shall not be installed on inlet back wall. No steps required where distance from floor of inlet to top of grate is 4" or less. See "Step Detail"

3. Weep hole elevation varies depending on the depth of the adjoining pavement section. It shall be at, or slightly below, the pavement section subgrade elevation and only minimum depth of 18" below the curb inlet grate elevation. The side weep hole detail shall be used at all "no pump" locations. Edge drain (Standard Plan CD08) or side weep hole drain detail at other locations may be required as shown in the construction plans or by the Public Works Department. Where the side weep hole detail or edge drain is not required, these weep holes shall conform to the front face weep hole details shown on this plan.

4. 3" edge drain per Standard Plan CD08, when shown on the plans or specified by the Public Works Department.

5. Concrete shall conform to Section 90, "Concrete", of California Department of Transportation's Standard Specifications and the following:
   A. Construction joints shown on standard plans are permitted when top portion of inlet is to be constructed monolithically with curb and sidewalk. Key dimensions 3/4" x 3/4".
   B. Concrete construction joint shall be located 12" to 18" below top of curb elevation.
   C. Concrete above construction joint shall contain a minimum of 5000 lbs of cementitious material per cubic yard, 1" maximum aggregate grading.
   D. Concrete below construction joint shall contain a minimum of 590 lbs of cementitious material per cubic yard, 1" maximum aggregate grading.
   E. When inlet is constructed as a single unit concrete shall comply with item D, described above.

6. Type "I" manhole (Std Pin CD30) boxes are for use with pipes to 24" in diameter and where there is sufficient cover to use minimum length manhole barrel, eccentric cone, and cover frames. Use Type "I" manhole boxes (Std Pin CD31) with pipes to 42" in diameter. Type "II" manhole boxes (Std Pin CD32) for 60" in diameter. Use Type "V" manhole boxes (Std Pin CD34) for pipes up to 96" in diameter. For pipes larger than 96" in diameter, a special manhole base design is required.

7. Unless otherwise noted on Standard Plans all concrete shall contain not less than 560 lbs of cementitious material per cubic yard, 1" maximum grading in conformance with Section 90, "Concrete" of California Department of Transportation's Standard Specifications. Invert paving concrete shall contain not less than 500 lbs per cubic yard of cementitious material, 1" maximum grading, in conformance with said Standard Specifications.

8. Inlet and outlet pipes shall not intercept a manhole base through a corner, if skew angle is too great to permit the opening to be made in a single wall face, use a Type "II" manhole base. (See Std Pin CD32).

COUNTY OF CONTRA COSTA
PUBLIC WORKS DEPARTMENT
MARTINEZ, CALIFORNIA

STD PLAN CD35

STD INLET/MANHOLE PLAN
GENERAL NOTES & DETAILS

SCALE: NO SCALE
DATE: 07/94
DRAWN: BY M. HUSEY
PLN NO: CD35

NO. DATE REVISION DESCRIPTION BY CHECKED BY: K. HOLLINGWORTH

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