NOTES:
1. All metal parts shall be hot dipped in black bituminous paint after fabrication.
2. See Sheet 2 for additional information.
3. Acceptable products are Jensen Precast or Oldcastle Industries Model-CIM-2.5-
4AC Top Made In Form, or equal.
4. Restricted use only. Need approval from City Engineer prior to use.

CITY OF REDWOOD CITY
ENGINEERING AND TRANSPORTATION
CURB INLET TOP

DATE: 11/25/19
NOTES:
1. Case I: Pipe 18" or smaller.
2. Case II: Pipes 21" or larger.
3. Steps optional, per Detail M-7, with approval from City Engineer.
Concrete Valley Gutter
Where Appropriate

12"  24"  12"

See Frame & Grate Detail
(Sheet D-2, Sheet 2.)

Concrete Apron As
Required (See note 4)

#4 Bars

Flow

To Street

3' - 0"
2' - 2"

2" Clear
6" (Typ.)

2' - 0"

No. 4@10"

SECTION B-B

8" Of A B AB Or
8" of 1 1/2" Drain
Rock For Bay Mud

NOTES:
1. Max. outlet pipe 12" diameter.
2. For outlets greater than 12", or deeper than 5', box design shall have prior approval.
3. Provide survey stakes to indicate location and elevation.
4. A concrete apron is required for inlets at valley gutters and paved areas.
5. Outlet pipe shall have same or greater slope than inlet pipe.

SECTION A-A

3' - 0"
18"
18"
3"

18"

2" Clear

3" Clear

No. 4@10"

4 No. 4
Evenly Spaced
NOTES:

1. Frame and grate to be made of carbon steel.
2. All surfaces to be galvanized after fabrication.
3. Equivalent to Jensen and Oldcastle Model "Frame & Grate".
4. AASHTO H-20 loading for vehicular traffic areas.
NOTES:

1. All fasteners frame, gate, threaded bolts, and brackets to be stainless steel.
2. Size of pipe opening to be shown on plans.
3. Size of pipe opening to be equivalent to size of outlet pipe.
Precast Flared End Section With Bell End

2 #4 @ 12" Tie Rods

#4 @ 12" Tie Rods

Exist. Top Of Bank

3 11

4' 0"

3" Max. On Pipe

36" On Center Line

6' 0"

8" Class 2 AB
Or 8" of 1 1/2" Drain Rock

Construct Impervious (Ray Mud)
Collar Extending 6' Along Pipe
And To Bottom Of Trench
Bottom Of Trench, Sheeting To
Remain In Place On Each Side
Of Impervious Collar.

8" Conc. Slab
On 8" of 2" Drain Rock

#4 @ 12" o.c.
Each Way
C/L Of Slab

Elev. As Shown
On Plans

CITY OF REDWOOD CITY
ENGINEERING AND TRANSPORTATION

FLARED END SECTION
(PRECAST CONCRETE PIPE)

DATE: 11/25/19

SHT 1 OF 1
NOTE:

1. If new pipe is plastic, use P.V.C. manhole adaptor as manufactured by GPK Products Inc.
2. Pipe connection within drainage structures.
NOTES:
1. Concrete curb inlets shall be Cast-In-Place or Precast Reinforced Concrete. Concrete to be used shall conform to the requirements for Class "A" concrete set forth in the City Standard Specifications.
2. Concrete Apron dimensions may vary during construction to conform with the existing conditions.
3. Frame and Grate for concrete curb inlets shall be welded galvanized carbon steel. Cross bars on Grate shall be H2O traffic rated and safe for bicycle tires. Frame and Grate shall be made by South Bay Foundry, Pheonix Iron Works or approved equal.