Modification or Addition to Improvement
Standards and Details

Modification Number: SD-12-01; SD-13-01; SD-18-01 and SD-19.1-01
Effective Date of Change: 5/24/2010

Modification:

1. Revise Standard Drawing Nos. SD-12, SD-13, SD-18 and SD-19.1 to increase the maximum depth of drop inlets from 4-5 feet to 8 feet.

This modification shall apply to all projects for which a tentative map and/or development application has not been made of the Effective Date, but may be applied to any project if the applicant so elects.

Effect of Modification:

1. Increases the maximum depth of drop inlets from 4-5 feet to 8 feet, which will allow more flexibility in designing lateral drainage leads by avoiding conflicts with other utilities at crossings.

Request for Modification Initiated By: Darren Wilson 5/24/10

Modification Reviewed for Conformity and Consistency to Standards: Asst. Public Works Director/City Engineer 5/26/10

Modification to Improvement Standards Approved: Public Works Director 5/26/10
TYPE 1 OR 1A CURB AND GUTTER

CONSTRUCT 6" OR VERTICAL CURB BEFORE BEGINNING TRANSITION ON TYPE 1 OR 1A CURB AND GUTTER

PLAN

DRAIN PIPE SIZE AS INDICATED ON PLANS (MIN. 12" DIAM.)

SECTION R-B

EXPOSED TOP EDGE SHALL HAVE ROUNDED EDGE, 1/4"R (MIN).

SECTION C-C

OPEN-BACK HOOD

PIPE CONNECTIONS SHALL CONFORM TO ASTM C-923. PRECAST UNITS SHALL BE BOOT TYPE OR COMPRESSION GASKET. CAST-IN-PLACE UNITS SHALL INCLUDE A WATER STOP.

SECTION A-A

TYPE 2 - VERTICAL C&G

NORMAL C & G

DEPRESSED C & G

GRATE

FRAME

SECTION A-A

TYPE 1 & 1A - ROLLED C&G

NOTES
1. STANDARD DEPRESSION FOR INLET IS 1-1/2" AND LIP OF GUTTER MUST BE SET BACK 3" FROM GUTTER FLOW LINE.

2. FRAME AND GRATE SHALL CONFORM TO STANDARD DRAWINGS SD-14 AND SD-15.

3. OPEN-BACK HOOD SHALL BE H-20 RATED.


5. AN EDGING TOOL SHALL BE USED ON ALL EDGES WHERE THE CONCRETE SIDEWALK AND CURB MEET THE TOP OF THE HOOD.

6. ALL EXPOSED PARTS TO BE HOT DIP GALVANIZED PER ASTM A123, AFTER FABRICATION.
NOTES

1. STANDARD DEPRESSION FOR INLET IS 1-1/2".

2. FRAME AND GRATE SHALL CONFORM TO STANDARD DRAWINGS SD-14 AND SD-15.

3. OPEN BACK HOOD SHALL BE H-20 RATED.

4. ALL EXPOSED EDGES SHALL HAVE A 1/8" R MINIMUM.

5. AN EDGING TOOL SHALL BE USED ON ALL EDGES WHERE THE CONCRETE SIDEWALK AND CURB MEET THE TOP OF THE HOOD.

6. ALL EXPOSED PARTS TO BE HOT DIP GALVANIZED PER ASTM A123, AFTER FABRICATION.
NOTES:

1. PROVIDE 1/4" x 18" GALVANIZED CHAIN WELD TO COVER AND EYE BOLT.

2. PROVIDE END OR SIDE OPENINGS AS SHOWN ON PLANS OR CROSS SECTION.

3. TOP OF WALLS TO BE FINISHED TO A FLAT PLANE TO PROVIDE EVEN BEARING FOR PLATE COVER.

4. ALL METALS SHALL BE HOT DIP GALVANIZED PER ASTM A123.
MIN. WEIGHT OF PRECAST REINFORCED CONCRETE COVER IS 80 LBS.

#4 REBAR @ 12" O.C. E.W., ADD 2-#4 ON 4 SIDES OF MANHOLE FRAME. MINIMUM 1" CLEAR COVER ALL DIRECTIONS

FRAME AND COVER PER DWG. 9-34

PLAN

TO CURB FACE 3' TO TOP BACK OF CURB

FRAME AND COVER PER

DWG. 9-34

BATTER, SEE SD - 17

FACE PLATE ASSEMBLY

SEE SD - 17

NOTES:

1. CURB INLET ASSEMBLY MAY BE PRECAST CONCRETE OR FORMED AND CAST-IN-PLACE P.C.C.

2. ALL METAL SHALL BE HOT DIP GALVANIZED PER ASTM A123.

3. SEE STANDARD DRAWING SD - 17 FOR FACE PLATE ASSEMBLY.