**Plan**

- **Case - 1**
  - Modify top, bottom, sides & end wall of catch basin. Place steel radially on top of sidewalk slab.
  - Concrete collar detail "B".
- **Case - 2**
  - Concrete collar detail "B".

**Detail A**

- Monolithic transition.

**Detail B**

- Square concrete collar.

**Table - A**

<table>
<thead>
<tr>
<th>D</th>
<th>18&quot;</th>
<th>21&quot;</th>
<th>24&quot;</th>
<th>27&quot;</th>
<th>30&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>30&quot;</td>
<td>38&quot;</td>
<td>45&quot;</td>
<td>52&quot;</td>
<td>60&quot;</td>
</tr>
<tr>
<td>Y</td>
<td>13-7/8&quot;</td>
<td>11-1/2&quot;</td>
<td>9&quot;</td>
<td>7&quot;</td>
<td>5&quot;</td>
</tr>
</tbody>
</table>

**Table - B**

- "A" bars #4 @ 6".
- "C" bars #4 @ 12".

**Table - C**

- 3-#4 "A" bars, max. spacing = 6".
- Precast transition shall be reinforced for (1250-D) for D+12 R.C.P.
- "L" shall not exceed 24".

**Section A-A**

- Elevation of C.B. outlet.

**Section B-B**

- Detail B.

**Section C-C**

- Detail "B".

**Section D-D**

- Steel reinforcing.
NOTES FOR CATCH BASIN OUTLET TRANSITION STRUCTURE

1 – **TRANSITION** MAY BE EITHER PRECAST OR MONOLITHIC AT INSPECTOR’S OPTION.

2 – **PRECAST TRANSITION** SHALL BE REINFORCED FOR 1250–D FOR D+12 INCH CONCRETE PIPE.

3 – **CONCRETE COLLAR** (DETAIL “B”) SHALL BE USED ONLY TO JOIN THE PRECAST TRANSITION WITH THE OUTLET PIPE.

4 – **CONCRETE** SHALL BE OF THE SAME CLASS AS THE STRUCTURE WITH WHICH IT IS POURED.

5 – **CURVATURE** OF THE ROUNDED EDGE OF THE OUTLET AND SIDEWALLS SHALL BE FORMED BY CURVED FORMS AND SHALL NOT BE MADE BY PLASTERING.

6 – **INTERIOR SURFACE** OF STRUCTURE SHALL BE SMOOTH AND CLEAN, AND FREE FROM POCKETS OR PROTUBERANCES.

7 – **SURFACE** OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, COLOR, FINISH AND SCORING TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO THE BASIN.

8 – **DIMENSIONS, "T", "V", AND STEEL REINFORCEMENT DETAILS ARE SHOWN EITHER ON STANDARD PLAN OR ON THE IMPROVEMENT PLAN FOR THE CATCH BASIN.**

9 – **OUTLET PIPE** SHALL BE TRIMMED TO FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.

10 – **REINFORCING STEEL** SHALL BE 1½” CLEAR FROM FACE OF CONCRETE UNLESS OTHERWISE SHOWN.

11 – **TRANSITION STRUCTURE** (CASE 2) MAY BE CONSTRUCTED IN ANY DIRECTION WITHIN THE LIMITS OF TABLE “A” AS SPECIFIED ON THE IMPROVEMENT PLAN, BY ROTATING IT ABOUT EITHER POINTS “E” OR “F”.

ADOPTED FROM CITY OF LOS ANGELES STD. PLAN B-3649