NOTE:
SEC D-9 FOR LAYOUT PLAN
REFER TO SHOP DRAWING FOR ACTUAL DIMENSIONS.

SECTION B-B
VAULT NO 2

SECTION C-C
VAULT NO 3

DRAINAGE DETAILS
NO SCALE

NOTE:
REFER TO SHOP DRAWING FOR ACTUAL DIMENSIONS.
1. Risers may be made up of 150 mm, 200 mm, 450 mm, 600 mm, or 1200 mm SDR 35.
2. Each riser shall have a ladder, as detailed on Std Plan D74C, which shall be suspended into base sty.
3. All precast components for upper portion type W shall be Rainfall 6/6 mm 0.61 steel wound spirally to 100 mm centers.
4. Bottoms shall have a wood trowel finish.
5. H and HD shall be as specified on plans.
6. Rainfall steel shall be #13 bars at 450 mm centers placed 40 mm clear to inside of box unless otherwise shown.
7. Pipe(s) may be placed in any wall.
8. No deduction in SKF Conc quantities will be made for pipe openings.
9. Design unit stresses: Vx = 140 kPa, Vy = 10, Vz = 10 kPa.
10. Center of riser shall be located over the centerline of main storm drain.
11. Thickness of deck shall vary when necessary to provide level manhole seat.

**FLUME TABLE**

<table>
<thead>
<tr>
<th>Drainage System</th>
<th>Unit</th>
<th>Inflow</th>
<th>Outflow</th>
<th>Flow Type and Size</th>
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<td>300 mm low flow palmer bonus D = 1.229m</td>
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SECTION A - A

2.0 X 2.0 CONCRETE PAD DETAILS

PLAN

CORNER CONNECTION

NOTES:
1. ROUND EDGE OF OUTLET TO 75 mm RADIUS.
2. Reinforcement SHALL BE 40 mm CLEAR FROM THE FACE OF CONCRETE.
3. IN CONNECTING TO AN EXISTING BREAK OUT PORTIONS OF THE EXISTING 150 mm OUTSIDE ITS INTERSECTION
   BY THE NEW CONNECTION, BEND ENDS OF "A" BARS OVER 300 mm SPACING AS REQUIRED.

MONOLITHIC CATCH BASIN CONNECTION

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DATE ACCEPTED: 8-20-99
DATE COMPLETED: 8-20-99
AS BUILT
NO CONNECTIONS TO SHEET

DRAINAGE DETAILS
NO SCALE

D-30
# SUMMARY OF QUANTITIES

<table>
<thead>
<tr>
<th>LOCATION NO.</th>
<th>LOCATION NAME</th>
<th>REMOVE CONCRETE (GALV)</th>
<th>REMOVE CONCRETE (GUTTER)</th>
<th>REMOVE AC / CORR. / PIPE</th>
<th>REMOVE TREE</th>
<th>REMOVE STOPOVER</th>
<th>REMOVE FENCE</th>
<th>ASPHALT CONCRETE DIKE</th>
<th>ASHphalt CONCRETE BASE (CLASS III</th>
<th>AGGREGATE BASE (CLASS III</th>
<th>ASPHALT CONCRETE CLASS B</th>
<th>CL BASE</th>
<th>CL FIBER</th>
<th>RELocate IRRIGATION SYSTEM</th>
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* NOT A SEPARATE PAY ITEM FOR THIS LOCATION, SEE SPECIAL PROVISIONS

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**ELIMINATED FROM CONTRACT SEE CALTRANS CONTRACT NO. 11-059104, CCO NO. 8**

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**SUMMARY OF QUANTITIES**

Q-1