LIMTS OF SPECIAL REINFORCEMENT

STANDARD VERTICAL REINFORCEMENT

MRD VERTICAL REINFORCEMENT ABOVE AND BELOW OPENING (BOTH FACES)

#6 x W + 3'-0' TOTAL 2 (BACK FACE ONLY)
(OMIT FOR W LESS THAN 12 INCHES)

STANDARD VERTICAL REINFORCEMENT PLUS ADDITIONAL BARS CORRESPONDING IN SIZE AND NUMBER TO BARS CUT BY THE OPENING. PLACE HALF ON EACH SIDE. EXTEND THE ADDITIONAL BARS INTO THE FOOTING THE SAME AS OTHER WALL REINFORCEMENT AND TO A MAXIMUM OF 60 BARS.

WALL DRAIN PIPE OPENING

OVERFLOW SCUPPER RETURN WALL TOP OF WALL

EXPANSION AND CONTRACTION JOINTS SHALL NOT BE LOCATED WITHIN LIMITS OF SPECIAL REINFORCEMENT.

ALL REINFORCEMENT TO CLEAR OPENING BY 2 INCHES MINIMUM.

WALL DRAINAGE WHERE GUTTER NOT REQ'D

SECTION A

BELLED DRAIN PIPE 4-INCH DIAMETER UNLESS OTHERWISE SHOWN ON PLANS

TYPICAL PCC. GUTTER DETAIL WALL DRAIN DETAIL

FACE OF WALL OUTLET CURB OUTLET

BACK OF WALL GUTTER AND DRAIN DETAILS

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

B-4096

S-503-2

SUBMITTED

APPROVED

9/21/92

10/5/92

REVISIONS

SUPERSEDES

REFERENCES

1 CHANGED DIMENSIONS; CHANGED REBAR SIZE; REMOVED CURVE

SMALLER REBARS; REVISED TITLES

VAULT INDEX NUMBER B-4109

SHEET 1 OF 2 SHEETS
NOTES:

1. THE PREFORMED CULVERT AND DRAIN PIPE SHALL BE CAST IRON, DUCTILE IRON, V.C.P., OR SOLID WALL P.V.C., CONFORMING TO: ASTM D3034, SDR 23.5; OR ASTM D2241, SDR 21; OR ASTM D1785, SCHEDULE 80. ANY OTHER NON-ASBESTOS MATERIAL MAY BE USED UPON APPROVAL OF THE ENGINEER.

2. WHERE DRAINS WHICH OUTLET THROUGH THE CURB AND WHICH ARE LARGER THAN 4 INCHES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONSTRUCT A RECTANGULAR CULVERT BETWEEN THE WALL AND CURB FACE. SUCH CULVERT MAY BE AS SHOWN IN SECTION B ON SHEET 1 OR SECTION C HEREON.

3. THE TRANSITION FROM DRAIN PIPE TO CULVERT SHALL BE IN THE WALL. AREA OF OPENING IN TRANSITION SHALL NOT BE LESS THAN THAT OF PIPE FROM WALL GUTTER.

4. ALL FORMS FOR CULVERT AND TRANSITION SHALL BE REMOVED.

5. EDGE OPENING IN CURB FACE TO 3/4 INCH MINIMUM RADIUS.

6. FOR SECTION B: D=3' FOR 6''C.F.; D=3-1/2'' FOR 8''C.F. OR greater.

7. WALL WEEPHOLES SHALL NOT BE PLACED CLOSER THAN 16 INCHES FROM DRAIN PIPES.