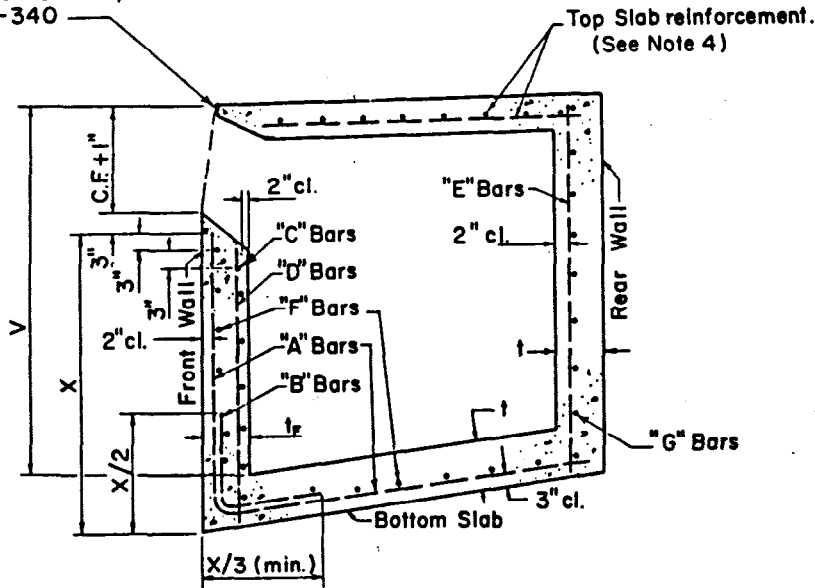


Catch Basin Curb Inlet and Support
Plate Details per Standard Plan
S-340



TYPICAL REINFORCEMENT DETAILS

SIDE OPENING CATCH BASINS	MAX.	MAX.	t	t _f	"A" "B" "B"	"C"	"D"	"E"	"F"	"G"
	W	V			BARs	BARs	BARs	BARs	BARs	BARs
	3.5'	8'	6"	6"	—	—	—	—	—	—
	3.5'	12'	8"	8"	—	—	—	—	—	—
	7'	6'	6"	6"	—	—	—	—	—	—
	7'	12'	8"	8"	—	—	—	—	—	—
	14'	4'	6"	6"	—	#4 @ 12"	#3 @ 12"	—	—	—
	14'	8'	6"	8"	—	#4 @ 12"	#3 @ 12"	—	—	—
	14'	10'	8"	10"	—	#4 @ 8"	#3 @ 12"	—	—	—
	14'	12'	8"	10"	—	#4 @ 6"	#3 @ 12"	—	—	—
	28'	4'	6"	6"	#3 @ 24"	—	—	—	#3 @ 12"	—
	28'	5'	6"	8"	#3 @ 20"	—	—	—	#3 @ 12"	—
	28'	6'	6"	8"	#3 @ 12"	—	—	—	#3 @ 12"	—
	28'	7'	8"	8"	#4 @ 17"	—	—	—	#3 @ 12"	—
	28'	8'	8"	8"	#4 @ 13"	—	—	—	#3 @ 12"	—
	28'	9'	8"	10"	#4 @ 15"	—	—	—	#3 @ 12"	—
	28'	10'	8"	10"	#4 @ 12"	—	—	—	#3 @ 12"	—
	28'	11'	8"	10"	#5 @ 15"	—	—	#4 @ 10"	#3 @ 12"	#3 @ 12"
	28'	12'	8"	10"	#6 @ 18"	—	—	#4 @ 9"	#3 @ 12"	#3 @ 12"

FOR W > 28' OR V > 12', SEE PROJECT PLANS

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

CATCH BASIN REINFORCEMENT

STANDARD PLAN
S-341-0

SUBMITTED *April 30, 1972*

Clifford M. Roberts
ENGINEER OF DESIGN

APPROVED *May 10, 1972*

Donald O. Williams
CITY ENGINEER

DESIGNED BY L.J.M. DRAWN BY A.J.W. CHECKED BY A.G.

REVISIONS

NO.	DATE	DESCRIPTION	ENGR OF DESIGN	CITY ENGR.

SUPERSEDES

B-2539 (IN PART)
B-2638 (IN PART)
B-2640 (IN PART)

REFERENCES

S-340

VAULT INDEX NUMBER B-3962

SHEET 1 OF 2 SHEETS

NOTES FOR CATCH BASIN REINFORCEMENT

1. FOR ANY "W" OR "V" NOT INDICATED HEREON, USE THE VALUE FOR THE NEXT HIGHER "W" OR "V" THAT IS INDICATED.
2. BAR SPACINGS ARE CENTER TO CENTER OF BARS. BAR COVER IS THE CLEAR DISTANCE BETWEEN SURFACE OF BAR AND FACE OF CONCRETE, AND SHALL BE, EXCEPT AS OTHERWISE INDICATED, 2 INCHES WHEN POURED AGAINST A FORMED SURFACE, OR 3 INCHES WHEN POURED AGAINST EARTH.
3. EXCEPT WHERE OTHERWISE INDICATED, REINFORCEMENT SHALL TERMINATE 2 INCHES FROM FACE OF CONCRETE.
4. FOR THICKNESS AND REINFORCEMENT OF TOP SLAB, SEE APPLICABLE CATCH BASIN STANDARD PLAN.

DESIGN DATA

ALLOWABLE STRESSES (REINFORCED CONCRETE):

$$f_c' = 3250 \text{ psi}$$

$$f_s = 1300 \text{ psi}$$

$$f_t = 20,000 \text{ psi}$$

ALLOWABLE TENSILE STRESSES (UNREINFORCED CONCRETE):

$$f_t = 142 \text{ psi (F.S. OF 4.0 BASED UPON AN ASSUMED MODULUS OF RUPTURE = 570 psi)}$$

LOADS:

$$\text{LL TOP SLAB} = 300 \text{ psf}$$

$$\text{EARTH EQUIV. FLUID PRESSURE} = 36 \text{ psf}$$

$$\text{TRUCK LL ON FRONT WALL} = \text{HS20-44}$$