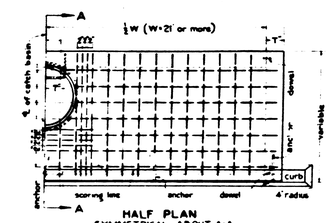
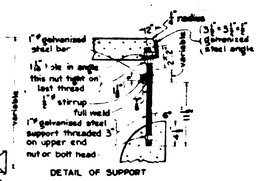
DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII					

Approved _____ Dist. Eng. Dist. VIII

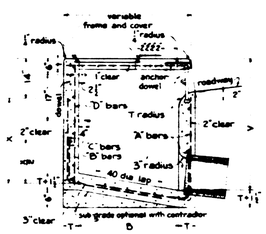
CATCH BASIN No.5



HALF PLAN
SYMMETRICAL ABOUT A-A

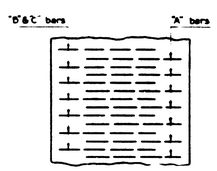


DETAIL OF SUPPORT



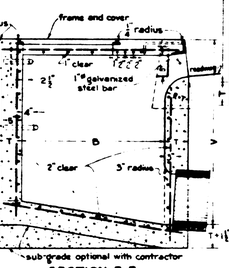
SECTION A-A

Note:
See "Top Slab Steel" chart.
Alternate "A" bars to be cut off at one half height.

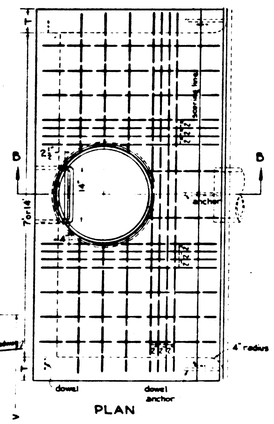


FLOOR

CATCH BASIN No.4



DETAIL OF DOWEL



PLAN

SECTION B-B

DETAIL OF ANCHOR

NOTE:
SEE "CATCH BASIN NO. 3 DETAILS" FOR DETAILS OF MANHOLE FRAME & COVER.

REINFORCEMENT FOR C.BS. WITH W=21' OR MORE

LENGTH OF C.E.	V OF C.B.	T	FRONT WALL "A" Bars	FRONT WALL Horiz.	REAR WALL "B" Bars	REAR WALL "C" Bars	REAR WALL "D" Bars Horiz.	REAR WALL "D" Bars Vert.	END WALL Horiz. & Vert.	FLOOR Continuation of bars "A", "B" & "C" of Front and Rear Walls	FLOOR Tie Bars
21' or Over	To 4'	6"	½" ø 24"	½" ø 24"	½" ø12"		½" ø 12"	½" ø 24"	½" ø 19"		½" ø 24"
	5'	8"	½" ø 10"	"	½" ø12"		"	"	½" ø 14"		"
	6'	8"	½" ø 6"	"	½" ø10½"		"	"	"		"
	7'	8"	½" ø 8½"	"	½" ø 8½"		"	"	"		"
	8'	8"	½" ø 6½"	"	½" ø 6½"		"	"	"		"
	9'	10"	½" ø 7½"	"	½" ø 7½"		"	½" ø 20"	½" ø 11"		"
	10'	10"	½" ø 6"	"	½" ø12"		"	"	"		"
	11'	10"	½" ø 7½"	"	½" ø11"	½" ø 22½"	"	½" ø 18"	"		"
	12'	10"	½" ø 9"	"	½" ø 9"	½" ø 25½"	"	½" ø 13"	"		"

REINFORCEMENT FOR C.BS. WITH W=7' OR 14'

LENGTH	V	T	FRONT WALL Horiz.	FRONT WALL Vert.	REAR WALL Horiz.	REAR WALL Vert.	END WALL Horiz	END WALL Vert.	FLOOR Both Ways
7'	To 4'	6"	½" ø 6"	½" ø 6"	½" ø 6"	½" ø 6"	½" ø 6"	½" ø 6"	½" ø 6"
7'	4' To 8'	8"	½" ø 12"	½" ø12"	½" ø12"	½" ø12"	½" ø12"	½" ø12"	½" ø12"
7'	8' To 12'	10"	½" ø 10"	½" ø10"	½" ø10"	½" ø10"	½" ø10"	½" ø10"	½" ø10"
14'	To 4'	6"	½" ø 6"	½" ø 6"	½" ø 6"	½" ø 6"	½" ø 6"	½" ø 6"	½" ø 6"
14'	4' To 8'	8"	½" ø 12"	½" ø12"	½" ø12"	½" ø12"	½" ø12"	½" ø12"	½" ø12"
14'	8' To 10'	10"	½" ø 8"	½" ø12"	½" ø10"	½" ø10"	½" ø10"	½" ø10"	½" ø10"
14'	10' To 12'	10"	½" ø 6"	½" ø12"	½" ø10"	½" ø10"	½" ø10"	½" ø10"	½" ø10"

TOP SLAB STEEL

B	t	Both Ways
3'-2" To 4'-0"	4"	½" ø 6"
4'-0" To 6'-0"	5"	½" ø 5"

CONCRETE shall be class "A".

CONNECTION pipes may be placed in any position around the walls provided they point in the proper direction and the position is otherwise consistent with the Improvement Plan.

CURVATURE of the lip and sidewalls at gutter opening shall be formed by curved forms and shall not be made by plastering.

DIMENSIONS:
T = 6 inches if V is 4 feet or less.
T = 8 inches if V is between 4 feet and 8 feet.
T = 10 inches if V is 8 feet or more.
V = 4 feet unless otherwise specified.

FLOOR of basin shall be given a steel-troweled finish and shall slope from all directions to the outlet. Slope of floor parallel with curb shall be 1 to 12 unless otherwise specified.

MANHOLE shall be placed along back wall near outlet.

OUTLET PIPE shall be trimmed to the final shape and length before concrete is poured.

PROTECTION BAR Horizontal plain round galvanized steel protection bar shall be used when curb face is 15 inches or more. Bar shall be embedded 5 inches at each end.

STEPS: ¾ - inch plain round galvanized steel steps are required as follows:
If V is 3.5 feet, or less, no steps required.
If V is more than 3.5 feet, and not more than 4 feet; install 1 step 12 inches above floor of basin.
If V is more than 4 feet install steps 17 inches apart, with the top step 6 inches below the surface of the basin.
All steps shall be 4 inches from the wall except the top step, which shall be 2½ inches (clear) from the wall.

SURFACE of all exposed concrete in basin shall conform in slope, grade, color, finish, and scoring to existing or proposed curb and walk adjacent to the basin.

SUPPORTS: 1-inch plain round galvanized steel supports shall be placed 7 feet apart.
Stirrups shall be welded to supports when curb face is 15 inches or more. (See detail hereon.)

EXCEPTION: When the basin is to be constructed within the limits of a proposed sidewalk, or is contiguous to such a sidewalk, the top of the basin shall be poured monolithic with the sidewalk, using the same class of concrete as in the sidewalk. In this case the dowels between wall and top slab shall be omitted and the top of the catch basin wall finished smooth.

B = 3'-2" or as shown.

CATCH BASIN NO.4 & NO.5 DETAILS

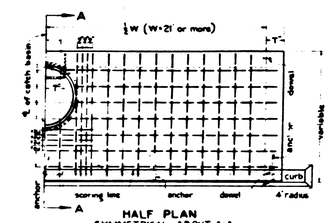
SCALE AS SHOWN

816606

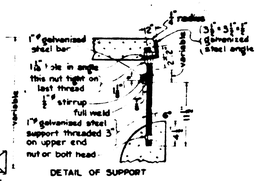
DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII					

Approved _____ Dist. Eng. Dist. VIII

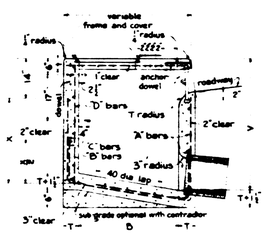
CATCH BASIN No.5



HALF PLAN
SYMMETRICAL ABOUT A-A



DETAIL OF SUPPORT



SECTION A-A

Note:
See "Top Slab Steel" chart.
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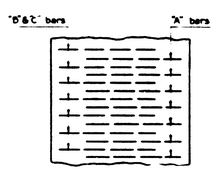
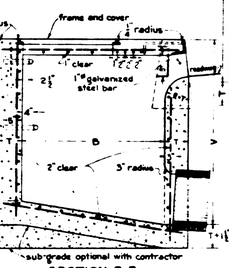
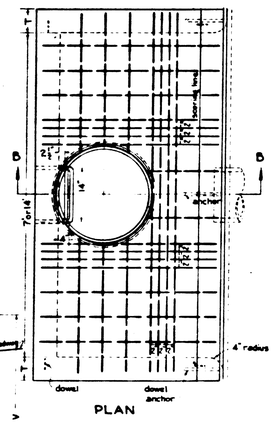


FLOOR

CATCH BASIN No.4



DETAIL OF DOWEL



PLAN

SECTION B-B

DETAIL OF ANCHOR

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	6'	8"	½" ø 6"	"	½" ø10½"		"	"	"		"
	7'	8"	½" ø 8½"	"	½" ø 8½"		"	"	"		"
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CATCH BASIN NO.4 & NO.5 DETAILS

SCALE AS SHOWN

816606