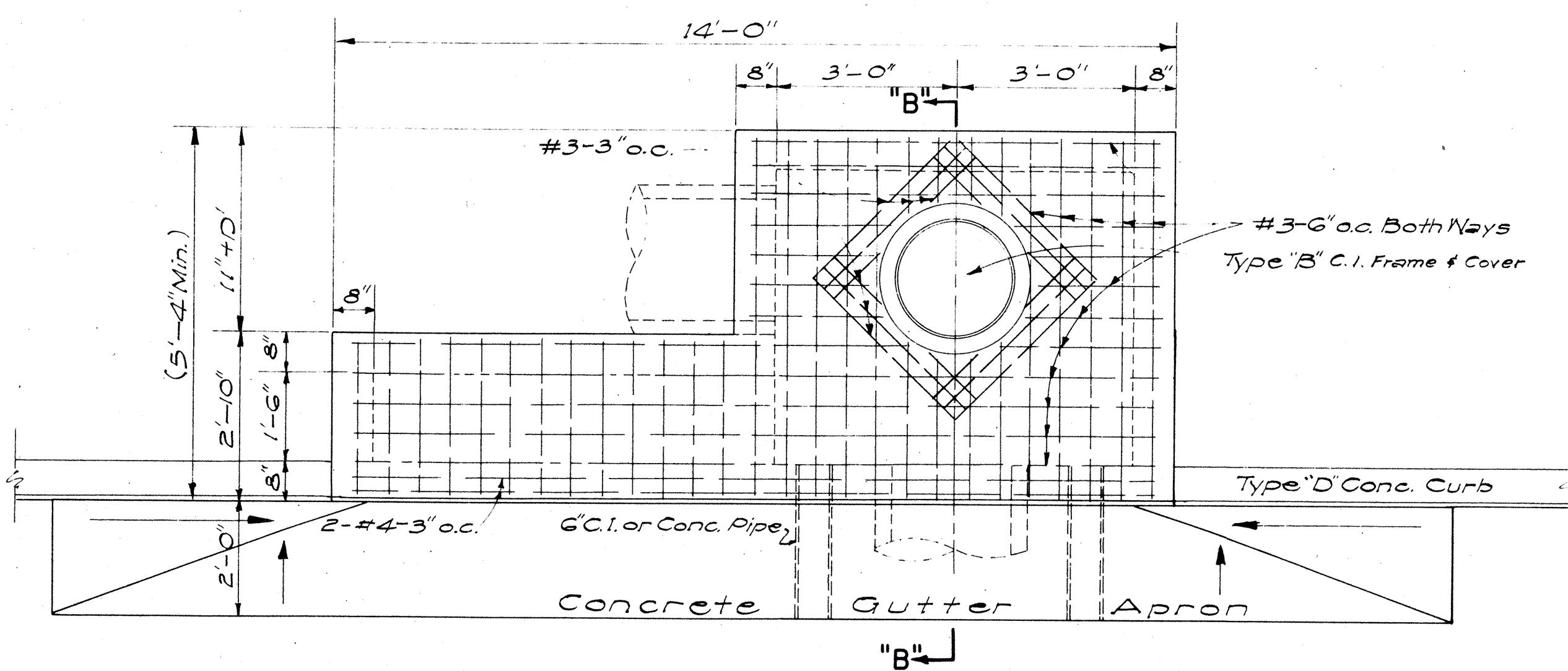
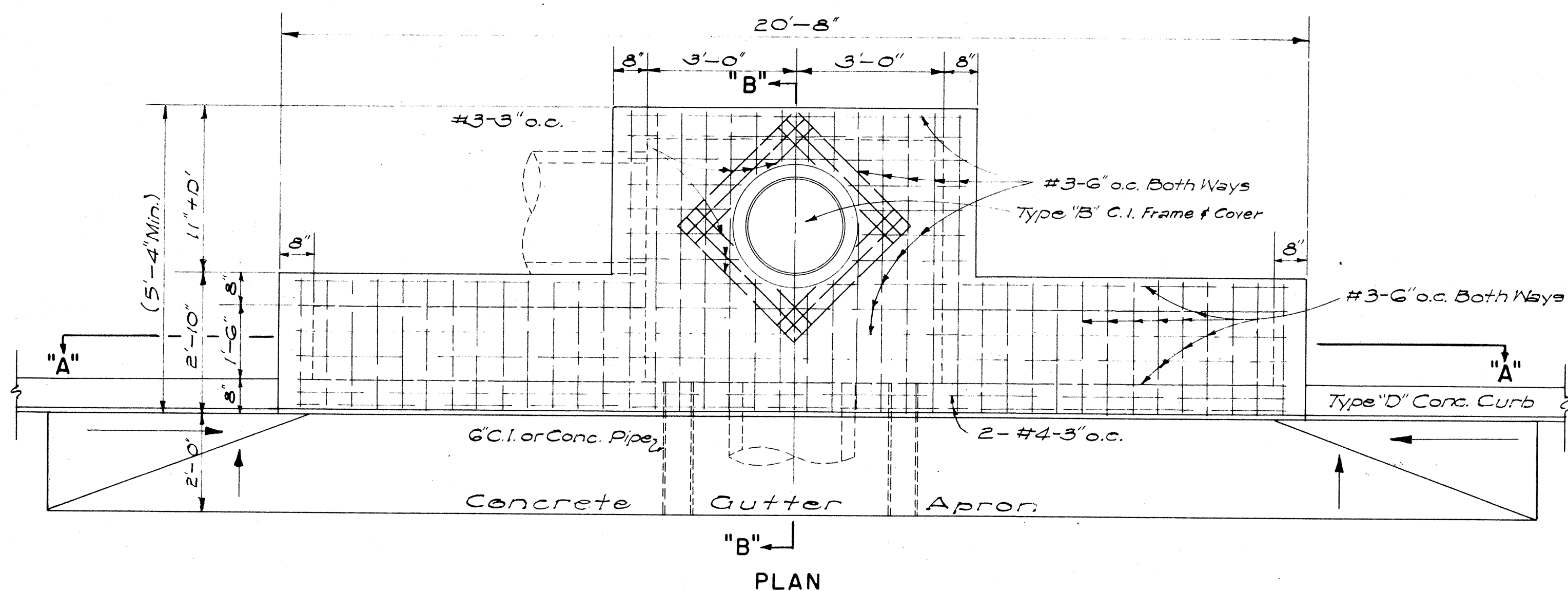
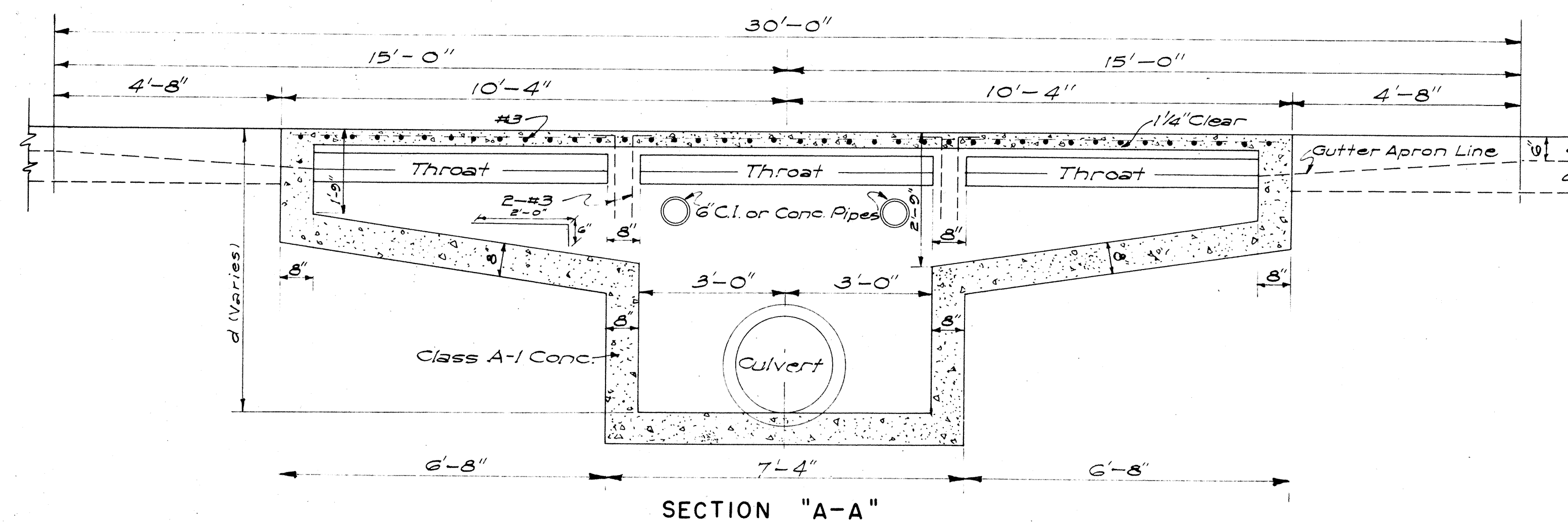
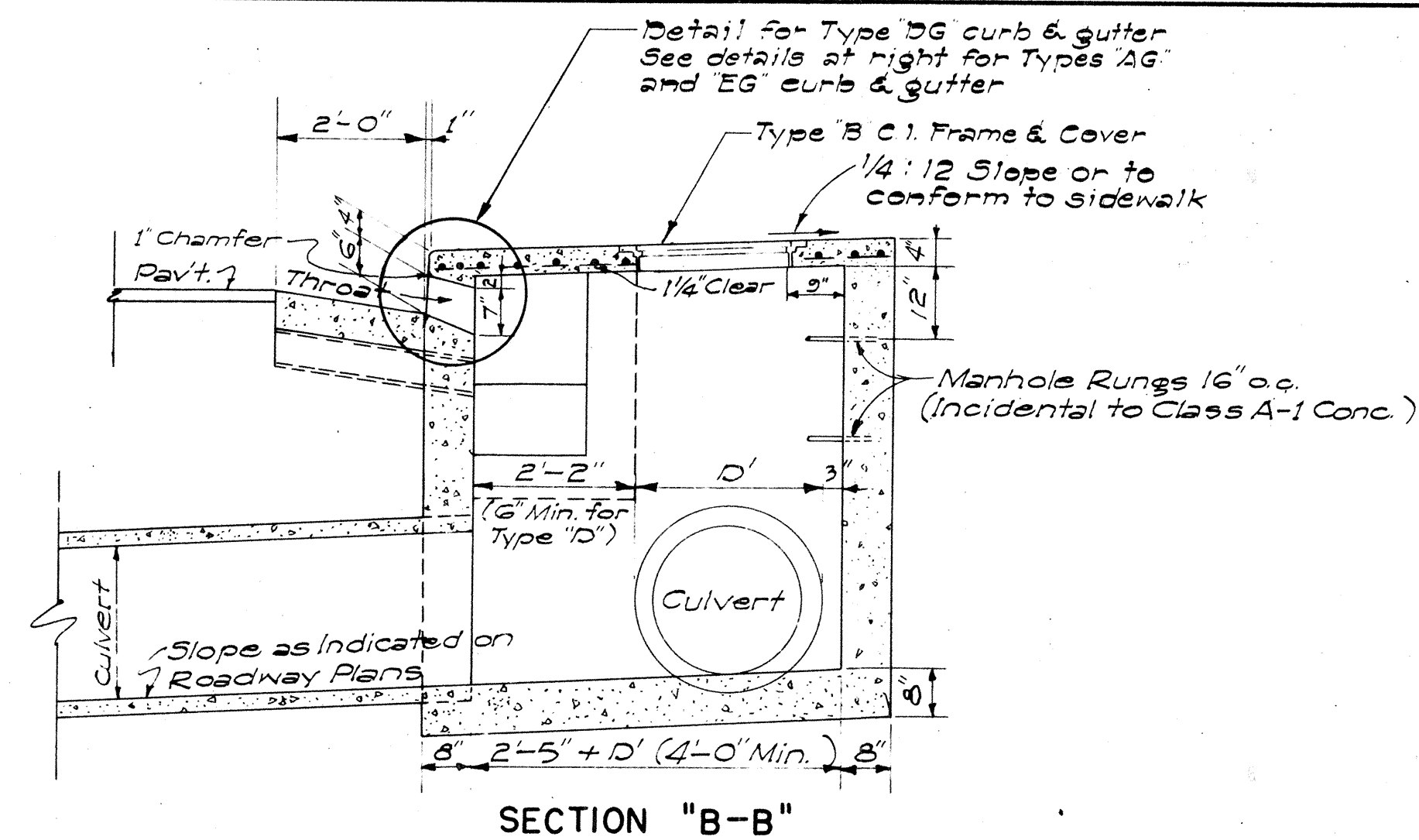
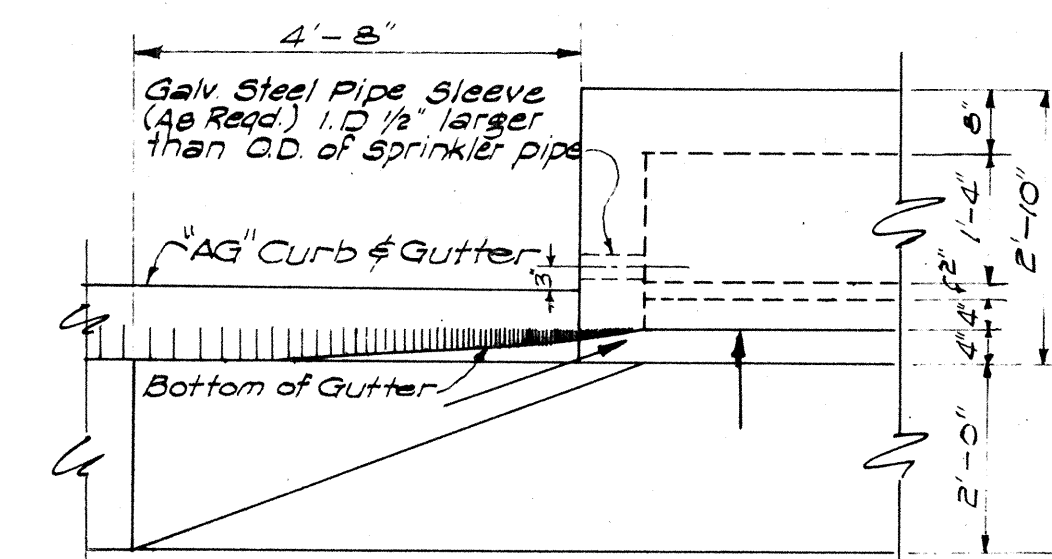
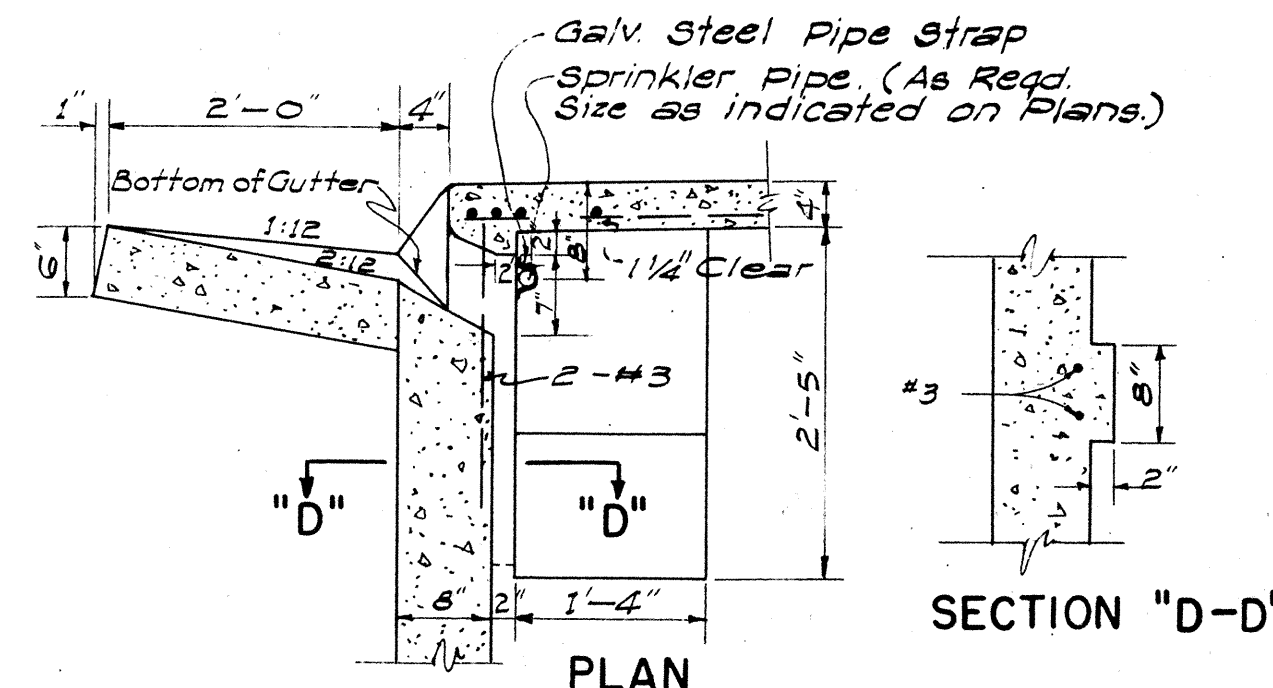
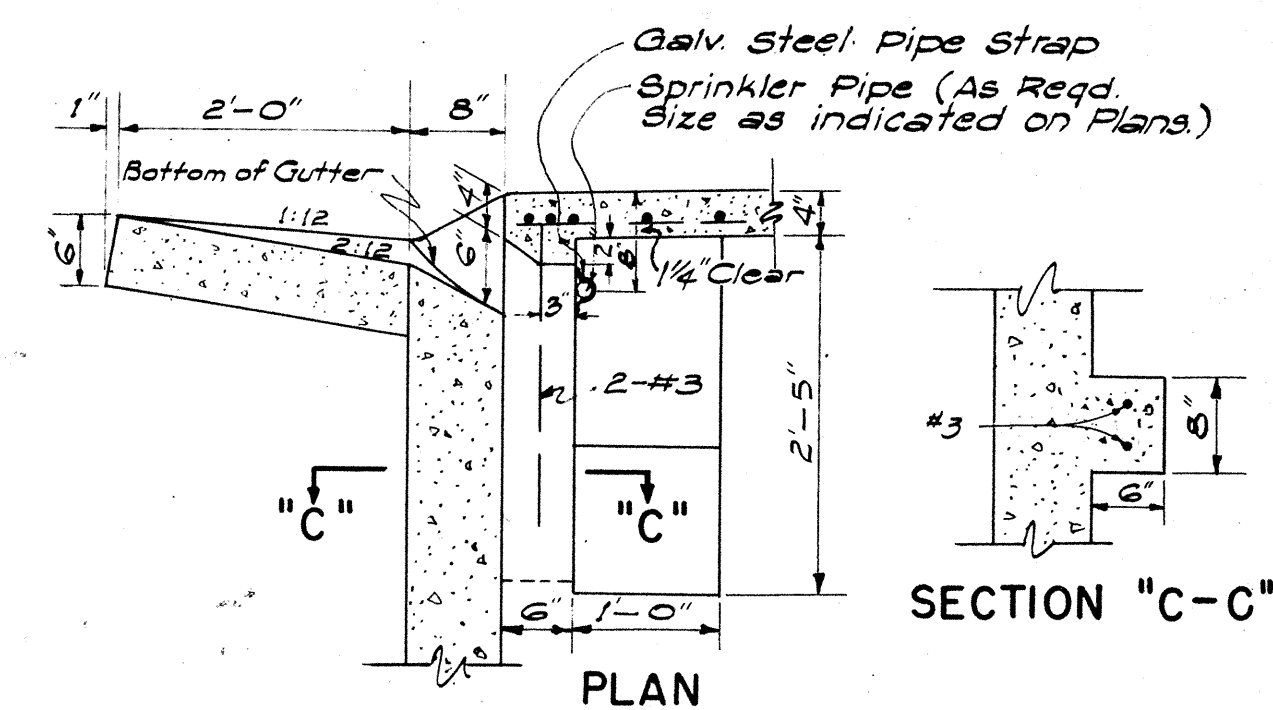
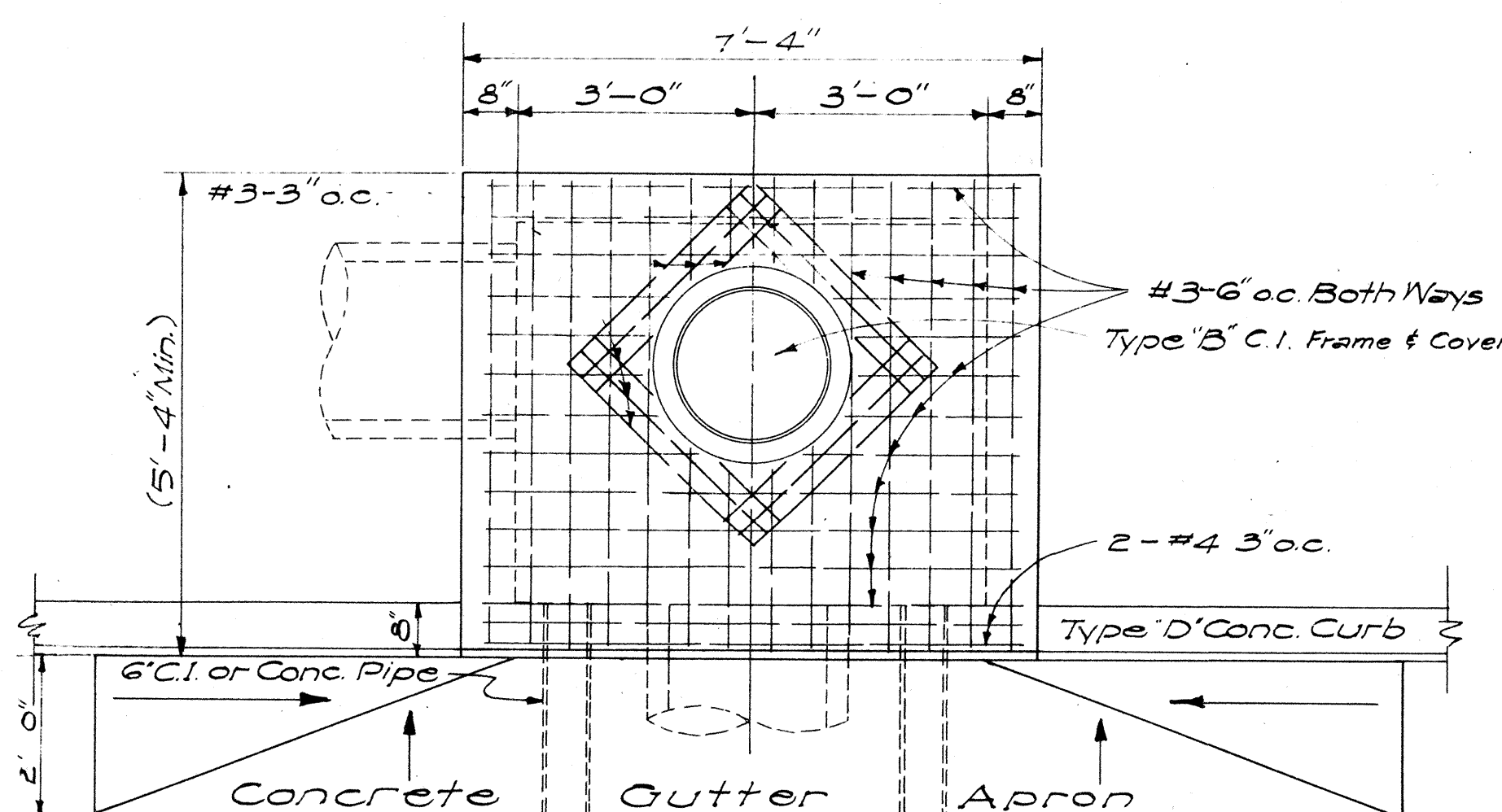




NOTE: TYPE "C" C.B. SIMILAR BUT OPPOSITE HAND



DETAIL OF CATCH BASIN WITH TYPE "EG" CURB & GUTTER

DETAIL OF CATCH BASIN WITH TYPE "AG" CURB & GUTTER
SCALE: 1/2" = 1'-0"

ESTIMATED QUANTITIES

Type	Class A-1 Conc.	Struct. Exc.	Reinf. Steel	Gutter Length
"A"	7.5 c.y.	24.7 c.y.	145 lb.	30'-0"
"B"	6.0 c.y.	21.5 c.y.	108 lb.	23'-4"
"C"	6.0 c.y.	21.5 c.y.	108 lb.	23'-4"
"D"	4.0 c.y.	16.5 c.y.	77 lb.	16'-8"

NOTES:

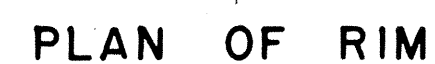
- Quantities based on $d = 5.75'$ and $D = 30'$.
- Quantities do not include concrete for Gutter Apron.
- The Contractor shall install two 6" Cast Iron or Concrete Pipes as incidental to Class A-1 Concrete for Construction Drainage.
- Culvert shall leave C.B. from any position and any direction indicated by plans or ordered by the Engineer. Culvert may both enter and leave C.B. so that C.B. will also act as Manhole.
- The Contractor shall install Galvanized Steel Pipe Sleeves and Straps as incidental to Sprinkler System.

APPROVED: _____ DATE: Aug. 25, 1957
STATE HIGHWAY ENGINEER

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
CATCH BASINS

SCALES AS NOTED
SHEET NO. 1 OF 2 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY.....	DATE.....
NOTE BOOK	DESIGNED BY.....	"
	DRAWN BY.....	"
	TRACED BY.....	"
	QUANTITIES BY.....	"
No.....	CHECKED BY.....	"



DETAILS OF TYPE "B"
CAST IRON FRAME AND COVER

SCALE: 1-1/2" = 1'-0"



DETAILS OF TYPE "A"
CAST IRON FRAME AND COVER

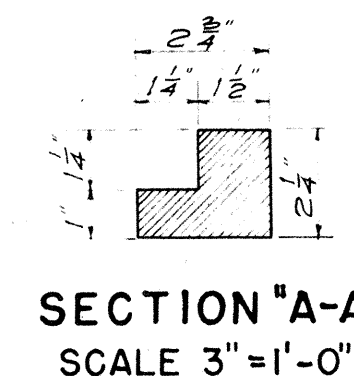
SCALE: 1-1/2" = 1'-0"

The image displays three orthographic views of a rectangular frame structure:

- SECTION:** A cross-sectional view of the frame. It shows a central rectangular opening with a width of 2'-2". The frame has a total height of 2'-10". The top and bottom flanges are 2'-5" wide. The side flanges are 2'-8" high. The frame is labeled "Cast Iron".
- TOP VIEW:** A plan view of the frame. It shows a rectangular opening with a width of 2'-2" and a height of 2'-10". The frame is labeled "Cast Iron".
- TOP VIEW:** A plan view of the frame, showing dimensions and labels. The frame has a total width of 2'-10" and a total height of 2'-10". The top and bottom flanges are 2'-5" wide. The side flanges are 2'-8" high. The frame is labeled "Frame" and "Cast Iron".

TYPE C C.I. FRAME AND GRATING

SCALE: $3/4" = 1' - 0"$



DETAILS OF TYPE "W" CAST IRON FRAME AND COVER

SCALE: 1-1/2" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS CATCH BASIN AND MANHOLE CASTINGS

SCALES AS NOTED

SHEET N^o 2 OF 2 SHEETS

2