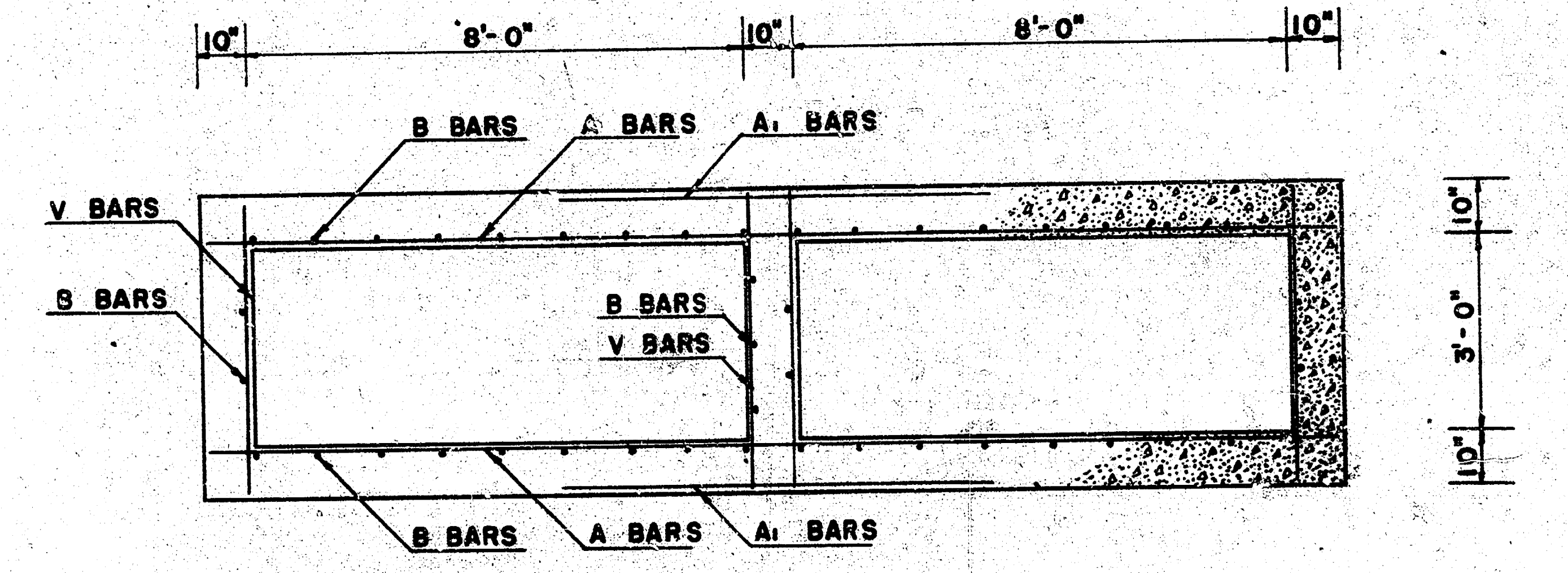
BOX CULVERT DETAIL

NINTH STREET

Between Harding & Battin

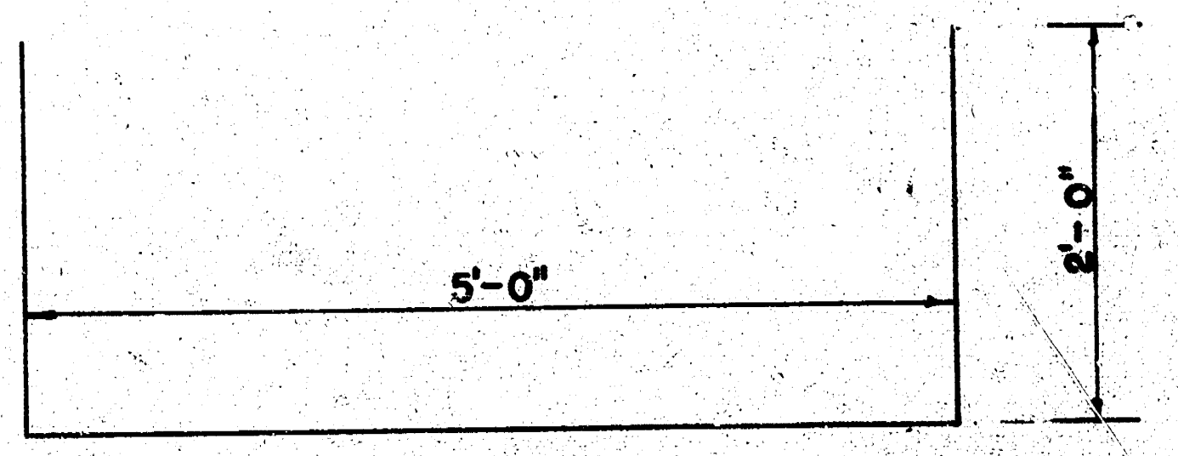


10"
8'-0"
10"
8'-0"
10"
B BARS
A BARS
A1 BARS
V BARS
S BARS
B BARS
V BARS
10"
3'-0"
10"
B BARS
A BARS
A1 BARS

CROSS SECTION OF BOX

SCALE 1/2" = 1'-0"

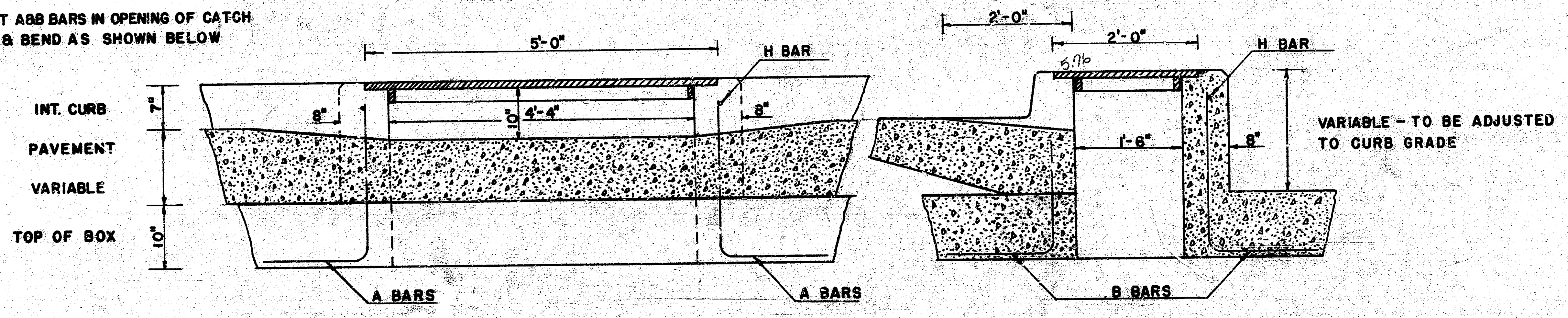
NOTE: BEVEL ALL EXPOSED EDGES USING 1" TRIANGULAR MOULDING



BENDING DIAGRAM FOR H BARS

BILL OF MATERIAL					
BAR	A	A1	B	V	H
NUMBER	290	290	55	181	4
SIZE					
LENGTH	18'-6"	7'-0"	53'-6"	4'-4"	9'-0"
10 - B BARS @ 5'-6"					
STEEL IN [illegible] BOX — 355 LBS					
CLASS A CONCRETE — CU. YDS. 100					
REINFORCING STEEL — LBS. 11,500					
2'X5' CATCH BASIN COVERS — NO. 4					
CU YDS IN PT OVER BOX = 17.42 X [illegible]					
[illegible]					

NOTE: CUT A&B BARS IN OPENING OF CATCH BASIN & BEND AS SHOWN BELOW



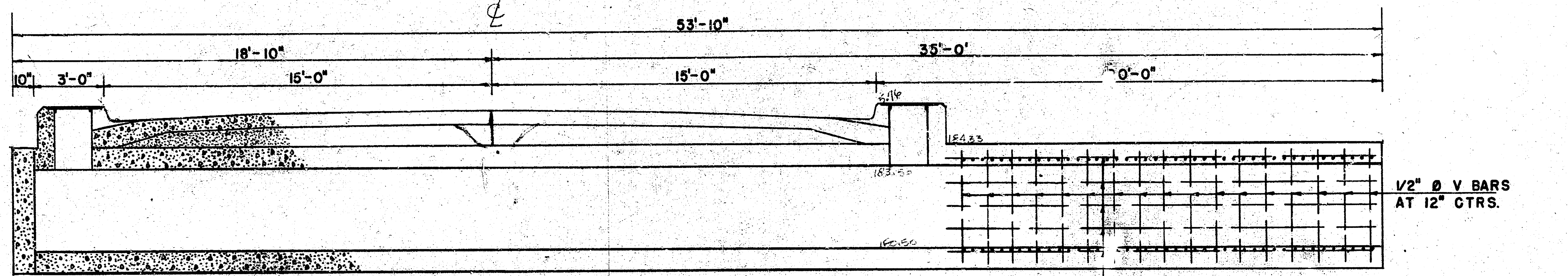
5'-0"
H BAR
INT. CURB
PAVEMENT
VARIABLE
TOP OF BOX
7"
10"
8"
4'-4"
8"
A BARS
A BARS
2'-0"
2'-0"
5'0"
H BAR
1'-6"
8"
VARIABLE - TO BE ADJUSTED TO CURB GRADE
B BARS

DETAIL OF CATCH BASIN

SCALE 1" = 1'-0"

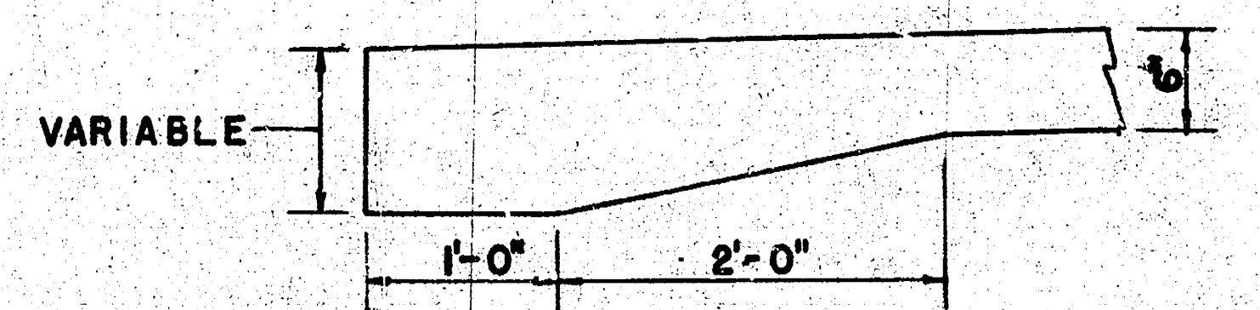
BOX CULVERT PLAN

NINTH STREET


℄
53'-10"
18'-10"
35'-0'
10"
3'-0"
15'-0"
15'-0"
0'-0"
3/16
184.33
183.50
180.50
1/2" Ø V BARS AT 12" CTRS.
1/2" Ø B BARS AT 10" CTRS.

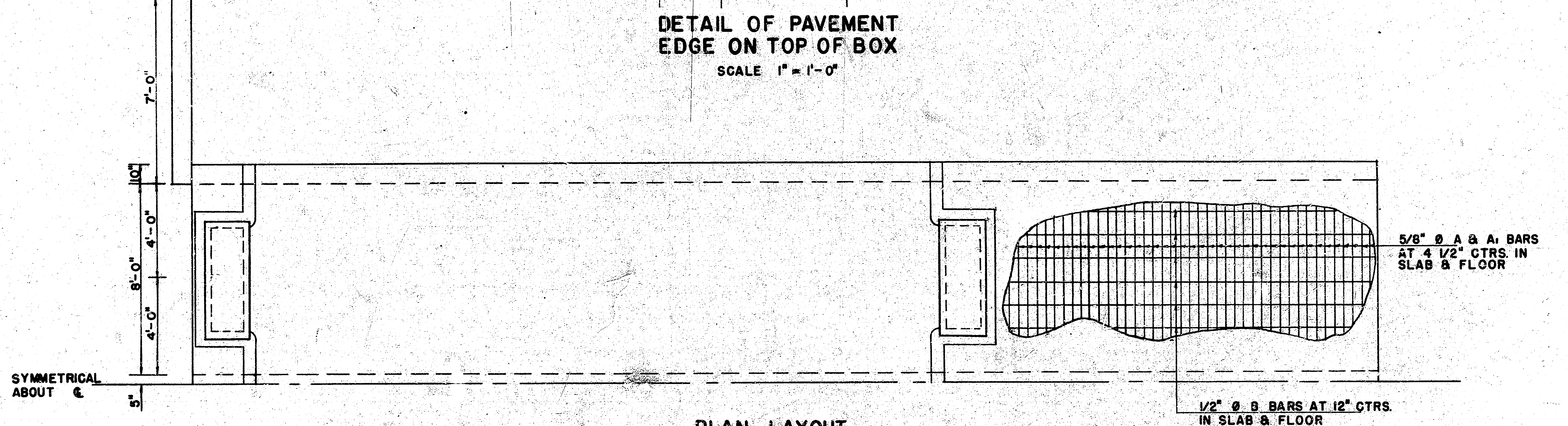
LONGITUDINAL CROSS SECTION

SCALE 3/8" = 1'-0"


VARIABLE
6"
1'-0"
2'-0"

DETAIL OF PAVEMENT EDGE ON TOP OF BOX

SCALE 1" = 1'-0"


10"
7'-0"
10"
4'-0"
8'-0"
4'-0"
SYMMETRICAL ABOUT ℄
5"
5/8" Ø A & A1 BARS AT 4 1/2" CTRS. IN SLAB & FLOOR
1/2" Ø B BARS AT 12" CTRS. IN SLAB & FLOOR

PLAN LAYOUT

SCALE 3/8"=1'-0"