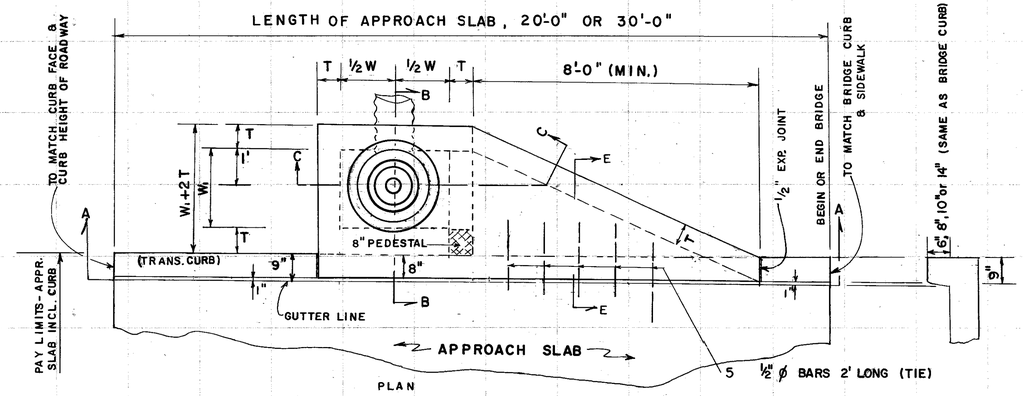
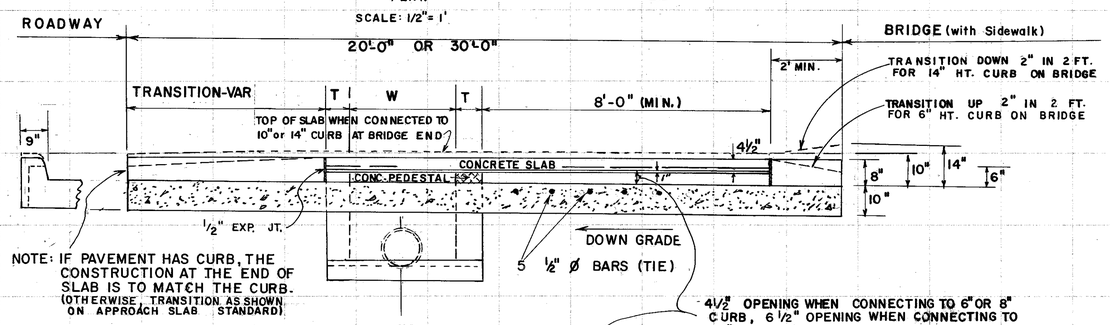
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		803	995

CATCH BASIN (BUILT IN PLACE) ADJACENT TO APPROACH SLAB



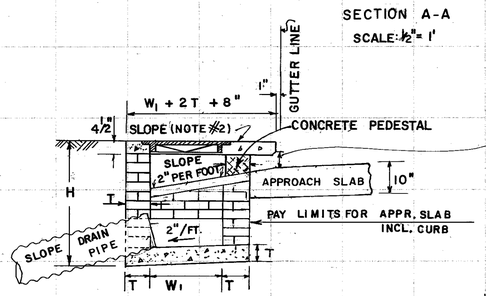
PLAN
SCALE: 1/2" = 1'



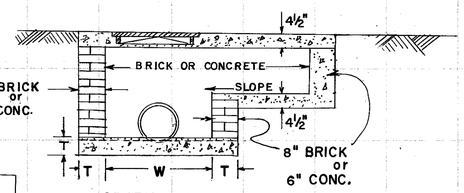
NOTE: IF PAVEMENT HAS CURB, THE CONSTRUCTION AT THE END OF SLAB IS TO MATCH THE CURB. (OTHERWISE, TRANSITION AS SHOWN ON APPROACH SLAB STANDARD)

4 1/2" OPENING WHEN CONNECTING TO 6" OR 8" CURB, 6 1/2" OPENING WHEN CONNECTING TO 10" OR 14" CURB AT BRIDGE END, OPENING MEASURED FROM TOP OF 1" BEVEL.

SECTION A-A
SCALE: 1/2" = 1'



SECTION B-B
SCALE: 1/2" = 1'



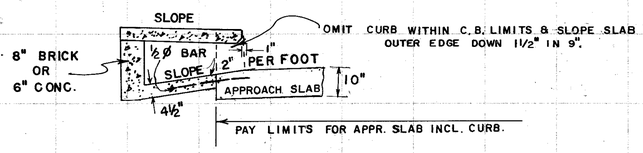
SECTION C-C
SCALE: 1/2" = 1'

PIPE SIZE	MIN. H
10"	3'-4"
12"	3'-6"
15"	3'-9"
18"	4'-0"

W_1 = 2'-0" MINIMUM, 3'-0" MAXIMUM

W = 2'-0" MINIMUM, 3'-0" MAXIMUM

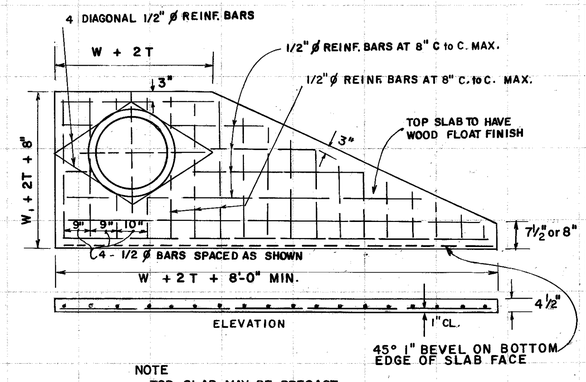
T = 8" BRICK OR 6" CONCRETE (NON-REINFORCED)



OMIT CURB WITHIN C.B. LIMITS & SLOPE SLAB OUTER EDGE DOWN 1 1/2" IN 9".

SECTION E-E
SCALE: 1/2" = 1'

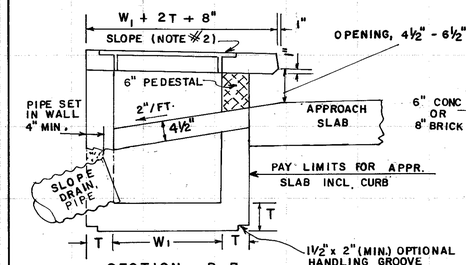
REINFORCED CONCRETE TOP SLAB



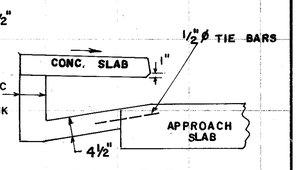
ELEVATION

NOTE
TOP SLAB MAY BE PRECAST FOR ANY CATCH BASIN

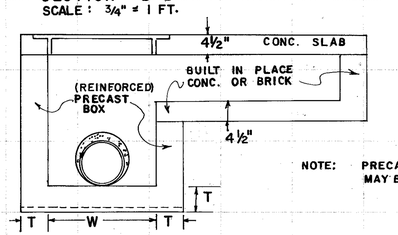
(PRECAST ALTERNATE)



SECTION B-B
SCALE: 3/4" = 1 FT.



SECTION E-E
SCALE: 3/4" = 1FT.



SECTION C-C
SCALE: 3/4" = 1 FT.

T = 6"

NOTE:
DETAILS NOT SHOWN FOR THE PRECAST ALTERNATE WILL BE SIMILAR TO THOSE SHOWN FOR THE BUILT IN PLACE CATCH BASIN.

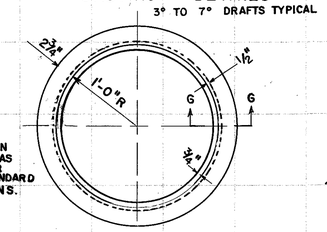
NOTE: PRECAST & CAST IN PLACE CONSTRUCTION MAY BE USED IN COMBINATION.

NOTE:
ALL PRECAST CONCRETE BOXES SHALL BE REINFORCED IN BOTTOM AND ALL SIDES THROUGHOUT WITH EITHER A CAGE OF 2/2, 6x6 WELDED WIRE FABRIC OR #4 BARS ON 12" CENTERS. MINIMUM COVER OVER REINFORCING SHALL BE 2" AT ALL POINTS.

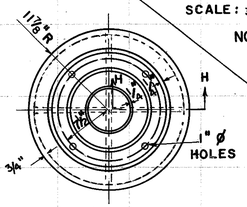
CASTING DETAILS

3° TO 7° DRAFTS TYPICAL

NOTE:
CASTINGS SHOWN ARE THE SAME AS REQUIRED FOR OTHER GA. STANDARD CATCH BASINS.

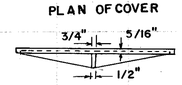


PLAN OF RING

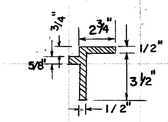


PLAN OF COVER

ELEVATION

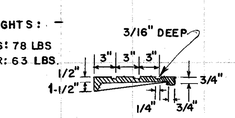


ELEVATION



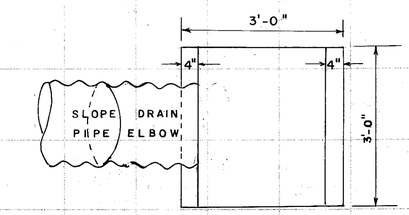
SECTION G-G

APPROXIMATE WEIGHTS:
CAST IRON RING: 78 LBS.
CAST IRON COVER: 63 LBS.

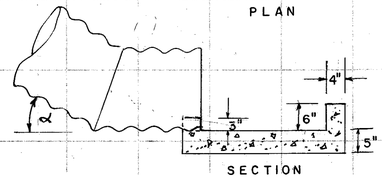


SECTION H-H

APRON AT OUTLET OF SLOPE DRAIN PIPE



PLAN



SECTION

QUANTITY:
0.17 CU YDS CL. "B" CONC. OR CL. "A" CONC.

ALTERNATE:
APRON MAY BE CONSTRUCTED TO APPROXIMATELY THE SAME DIMENSIONS FROM SAND CEMENT BAG RIP RAP, STONE GROUT RIP RAP, OR MORTAR RUBBLE MASONRY.

ELBOW ANGLES:

FILL SLOPE	α
2:1 (OR STEEPER)	30° ±
FLATTER THAN 2:1.	15° ±

GENERAL NOTES:

1. (a) NORMAL USE OF THIS STANDARD IS WHERE CURB OR CURB AND GUTTER IS ADJACENT TO ROADWAY WITH CURB AND/OR SIDEWALK ACROSS BRIDGE. SEE STD. 9017J FOR SPILLWAYS (RURAL SECTION TYP.).
   (b) THE LOCATION OF GUARDRAIL SHOULD BE DETERMINED BEFORE CATCH BASIN IS SPECIFIED; IF TOP SLAB CONFLICTS WITH GUARDRAIL POSTS, DRAINAGE SHOULD BE CARRIED ACROSS THE APPROACH SLAB TO A ROADWAY DROP INLET.
2. CATCH BASIN TOP SLAB SHALL BE SLOPED 1/4" PER FT. TOWARDS THE APPROACH SLAB OR SHALL BE SLOPED TO MATCH ADJACENT SURFACES OR TO GIVE THE DESIRED TRANSITION BETWEEN THE ROADWAY AND BRIDGE SIDEWALK GRADES AND CURB HEIGHTS.
3. SEE SEPARATE STANDARD (9017K OR 9017L TYPICAL) FOR APPROACH SLAB DETAILS.
4. A 1/2" EXPANSION JOINT SHALL BE REQUIRED AT ALL POINTS WHERE A CATCH BASIN INTERCEPTS CONCRETE SIDEWALK.
5. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERETO.

REVISIONS	DATE	BY
GEN. REV.	6-25-85	RMU

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CATCH BASIN
(PRECAST OR BUILT IN PLACE)
ADJACENT TO APPROACH SLAB

SCALE AS SHOWN — REV. & REDR. AUGUST, 1983

REV. RMU
REDR. RMU
TRA. GME
CHK. RKC

(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) STATE HIGHWAY ENGINEER

NUMBER 9017C

FORM EF00003