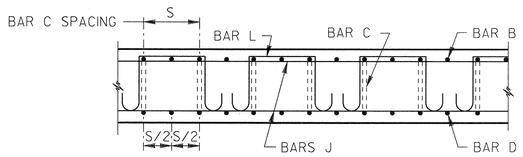
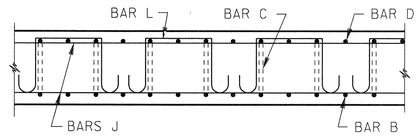
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		622	839



TOP SLAB

NOTE: BARS B OR D SHOWN IN SECTION AS ONE BAR SHALL BE EQUALLY SPACED BETWEEN BARS C. TWO BARS B OR D EQUALLY SPACED BETWEEN BARS C SHALL BE USED WHEN REQUIRED.

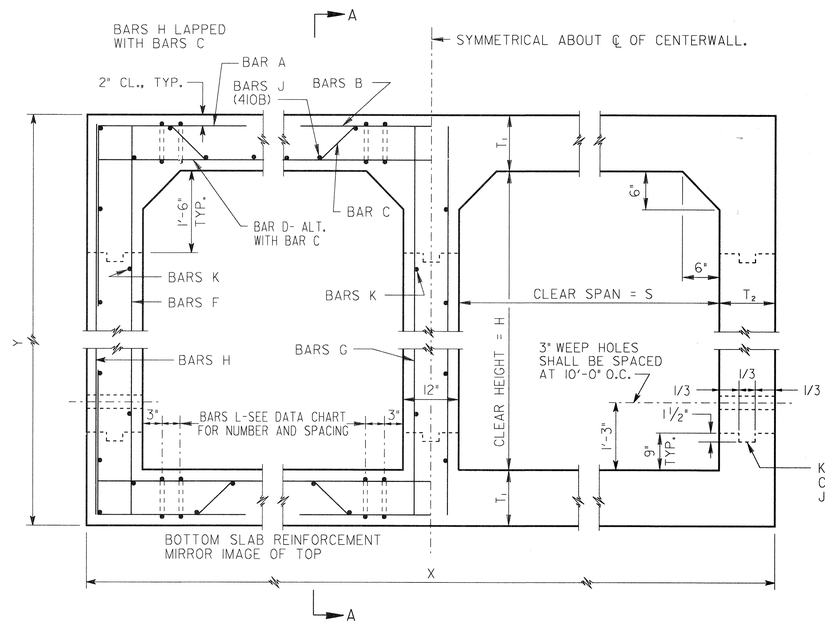


BOTTOM SLAB

NOTE: LONGITUDINAL WINGWALL AND PARAPET BARS EXTEND INTO BARREL. SEE WINGWALL AND PARAPET DETAILS. IF CULVERT IS SKEWED, CUT TRANSVERSE STEEL AND BEND 1'-0" INTO PARAPET OR TOE WALL AND HOOK.

SECTION A-A

NOTE: WHEN MORE THAN ONE BAR A, B OR D IS REQUIRED THEY ARE PLACED AT EQUAL SPACES BETWEEN BARS C.



CULVERT SIZES ARE DESIGNATED AS SPAN X HEIGHT.

* AT CONTRACTORS OPTION, THE LOWER CONSTRUCTION JOINT IN THE BARREL WALL MAY BE SHIFTED TO 6" ABOVE THE TOP OF THE BOTTOM SLAB.

TYPICAL BARREL SECTION-ALL DESIGNS

DESIGN	1	2	3	4	5	6	7	8
MAXIMUM FILL HEIGHT	10'	20'	30'	40'	50'	60'	70'	80'

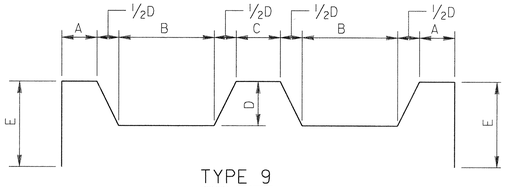
1) MINIMUM HEIGHT FROM TOP OF CULVERT TO BOTTOM OF BASE WITHIN TRAVELWAY SHALL BE 1'-0".

2) DESIGN OF THE CULVERT SHALL BE DETERMINED BY THE MAXIMUM HEIGHT OF FILL WITH ONLY A SINGLE DESIGN BEING USED FOR THE ENTIRE INSTALLATION.

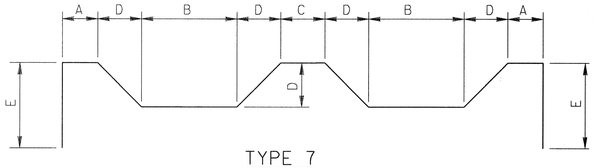
3) TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED NORMAL TO THE CENTERLINE OF THE CULVERT AT THE OUTSIDE SHOULDER BREAK POINTS. THE MAXIMUM POUR LENGTH SHALL NOT EXCEED 30'-0" ALONG THE LENGTH OF THE CULVERT.

4) LONGITUDINAL BARREL REINFORCEMENT STEEL IN THE TRANSVERSE CONSTRUCTION JOINTS THAT ARE UNDER THE PAVEMENT OR WITHIN 15'-0" OF THE BARREL ENDS SHALL EXTEND THROUGH CONSTRUCTION JOINTS. AT OTHER TRANSVERSE CONSTRUCTION JOINTS, THE LONGITUDINAL BARREL REINFORCING STEEL SHALL BE DISCONTINOUS.

5) MINIMUM LENGTH OF LAP SPLICE FOR LONGITUDINAL BARREL REINFORCING STEEL SHALL BE 2'-0".

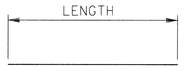


TYPE 9

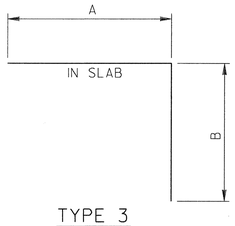


TYPE 7

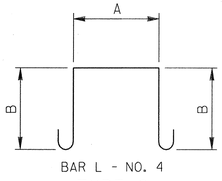
FOR BAR DIMENSIONS SEE BAR REINFORCEMENT DETAILS. NUMBER OF L BARS SHOWN IN DATA CHART IS THE NUMBER PER CORNER IN ANY ONE TRANSVERSE PLANE. THE TOTAL NUMBER OF L BARS REQUIRED DEPENDS UPON THE LENGTH OF THE SECTION.



TYPE 1



TYPE 3



TYPE 6

A = BAR C SPACING + DIAMETER BAR C + 1"
B = SLAB DEPTH - 3"

GENERAL NOTES

SPECIFICATIONS- GEORGIA D.O.T.
ALL CONCRETE SHALL BE CLASS "A".
CHAMFER ALL EXPOSED EDGES 3/4".
COST OF DRAIN PIPES, WEEP HOLES, COARSE AGGREGATE, AND ANY OTHER INCIDENTAL ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
CONSTRUCTION JOINTS IN BARREL WALLS ARE REQUIRED.
FOR DETAILS OF WINGWALLS AND PARAPETS SEE "SPECIAL DESIGN REINFORCED CONCRETE WINGWALLS, TOEWALLS AND PARAPETS FOR CONCRETE BOX CULVERTS" SHEETS.

DESIGN DATA

SPECIFICATIONS- A.A.S.H.T.O., 1961 THRU 1963.
TYPICAL HS-20 AND/OR MILITARY LOADING.

AS-BUILT

DATE | REVISIONS | BY

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

SPECIAL DESIGN REINFORCED CONCRETE DOUBLE BOX CULVERT

NO SCALE — MARCH 2003

BRIDGE SHEET 1 OF 3

DESIGNED WEI | CHECKED X | REVIEWED JPT/MCD
DRAWN KWK | DESIGN GROUP WEI | APPROVED PVL