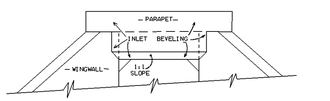
BOX CULVERT REQUIREMENTS:

MINIMUM FILL HEIGHT FROM TOP OF CULVERT TO BOTTOM OF BASE WITHIN TRAVELWAY SHALL BE 12 INCHES.

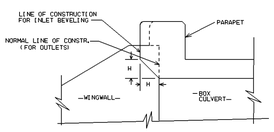
MAXIMUM POUR LENGTH SHALL NOT EXCEED 30 FEET ALONG THE LENGTH OF THE CULVERT.

TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN THE BARREL, NORMAL TO THE CENTERLINE OF THE CULVERT, AT THE OUTSIDE SHOULDER BREAK POINTS. LONGITUDINAL BARREL REINFORCING STEEL SHALL NOT BE CONTINUOUS THROUGH THESE JOINTS, PROVIDED THAT THE JOINTS ARE MORE THAN 15 FEET FROM THE BARREL ENDS. WHEN TRANSVERSE CONSTRUCTION JOINTS OCCUR WITHIN 15 FEET OF THE END OF THE BARREL ENDS OR WITHIN THE LIMITS OF THE PAVEMENT, THE LONGITUDINAL BARREL REINFORCING SHALL THEN BE CONTINUOUS THROUGH SUCH JOINTS. THE MINIMUM LENGTH OF LAP SPLICE FOR LONGITUDINAL REINFORCING SHALL BE 24 INCHES.

TRANSVERSE CONSTRUCTION JOINTS PLACED AT ANY OTHER LOCATION NOT SPECIFIED ABOVE SHALL BE FORMED WITH NO LONGITUDINAL REINFORCING STEEL PASSING THROUGH THE JOINTS.



NOTE: INLET BEVELING IS REQUIRED AT THE INLET OF ALL BOX CULVERTS EXTENDING FROM WINGWALL TO WINGWALL, AT TOP OF CULVERT AS SHOWN.



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

MODIFICATION OF STANDARD 2332
CONCRETE BOX CULVERT APRONS,
BAFFLES, AND INLET BEVELING DETAIL
& ADJACENT BOX CULVERTS JOINT DETAIL

NO SCALE DECEMBER, 1990

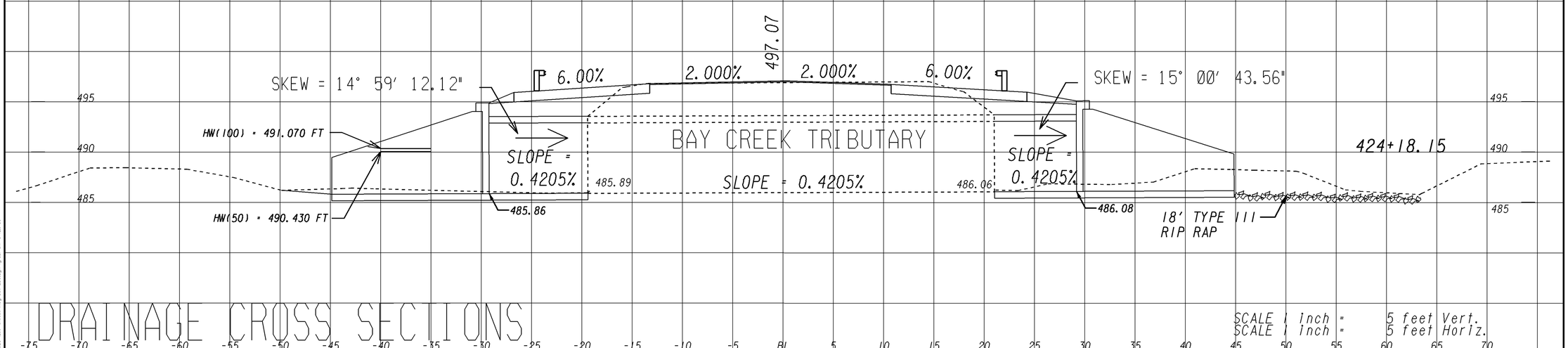
EXIST: TRIPLE 9' X 8' BOX CULVERT - RETAIN/EXTEND

REQ'D:
20 LF TRIPLE 9' X 8' BOX CULVERT - LEFT SIDE
20 LF TRIPLE 9' X 8' BOX CULVERT - RIGHT SIDE
1961 CU. YDS. OF TYPE II FOUNDATION BACKFILL MATERIAL
161.27 CU. YDS. CLASS "A" CONCRETE
16664 LBS. BAR REINFORCING STEEL
178 SQ. YDS. OF PLASTIC FILTER FABRIC
178 SQ. YDS. OF STN DUMPED RIP RAP TP. 3, 18 IN.
2 EA. REMOVE WINGWALLS & PARAPETS - LUMP

INCLUDED:
113.12 CU. YDS. OF CLASS "A" CONCRETE FOR BARRELS (SPECIAL DESIGN)
12.47 CU. YDS. OF CLASS "A" CONCRETE FOR APRONS (STD. 2332)
34.68 CU. YDS. OF CLASS "A" CONCRETE FOR WINGWALLS & PARAPET (STD. 2327)
1.0 CU. YDS. OF CLASS "A" CONCRETE FOR MODIFIED INLET BEVELING (STD. 2327)

14160 LBS. OF BAR REINFORCING STEEL FOR BARRELS (SPECIAL DESIGN)
919 LBS. OF BAR REINFORCING STEEL FOR APRON (STD. 2332)
1585 LBS. OF BAR REINFORCING STEEL FOR WINGWALLS & PARAPET (STD. 2327)

DRAINAGE AREA = 2605.6996 ACRES
= 4.0714056 SQ. MI.
Q(50) = 151.1149 CFS
Q(100) = 187.1712 CFS
HW (50) = 490.430 FT
HW (100) = 491.070 FT



DRAINAGE CROSS SECTIONS

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 5 feet Horiz.

0006476

STA 424+18.15

GEORGIA DEPARTMENT OF TRANSPORTATION

SITE 5

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 2 - DESIGN
DRAINAGE CROSS SECTIONS
PI# 0006476
LAURENS COUNTY
DRAWING No. 22-006

1/5/2009 SUXSEW