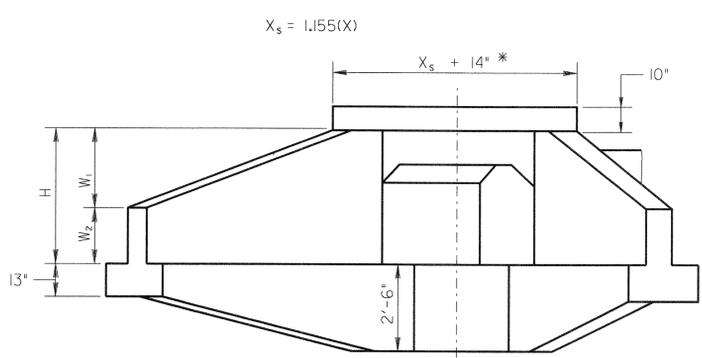
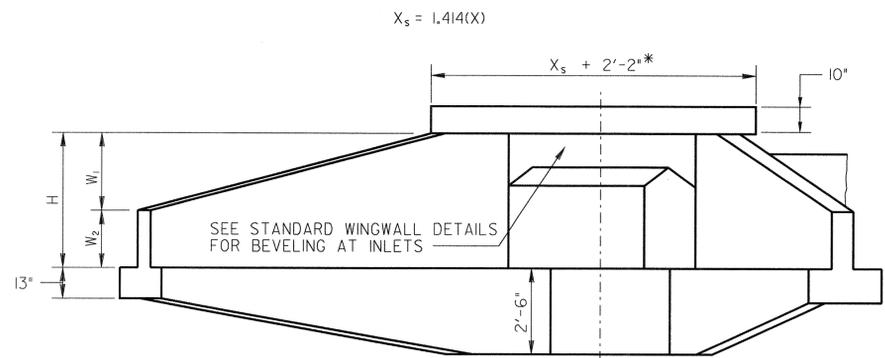


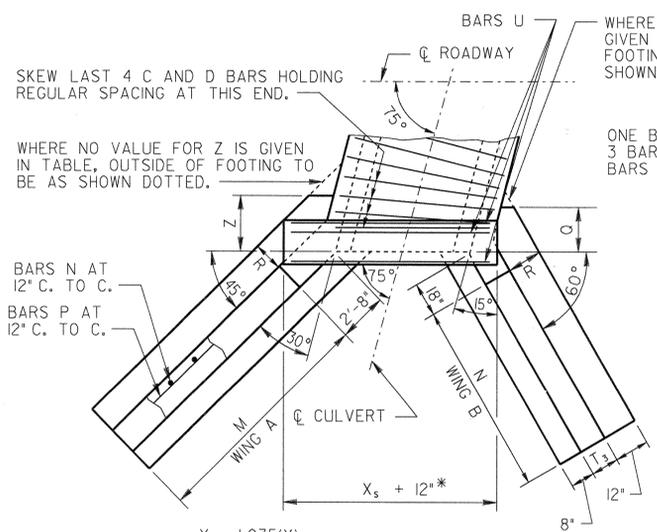
ELEVATION



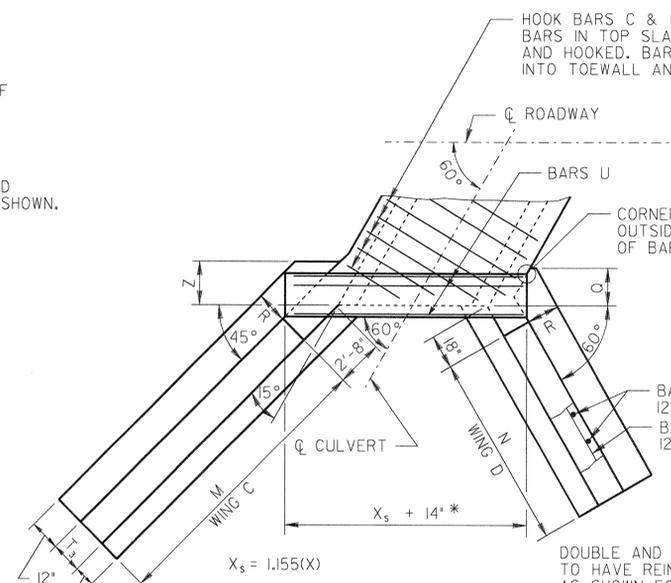
ELEVATION



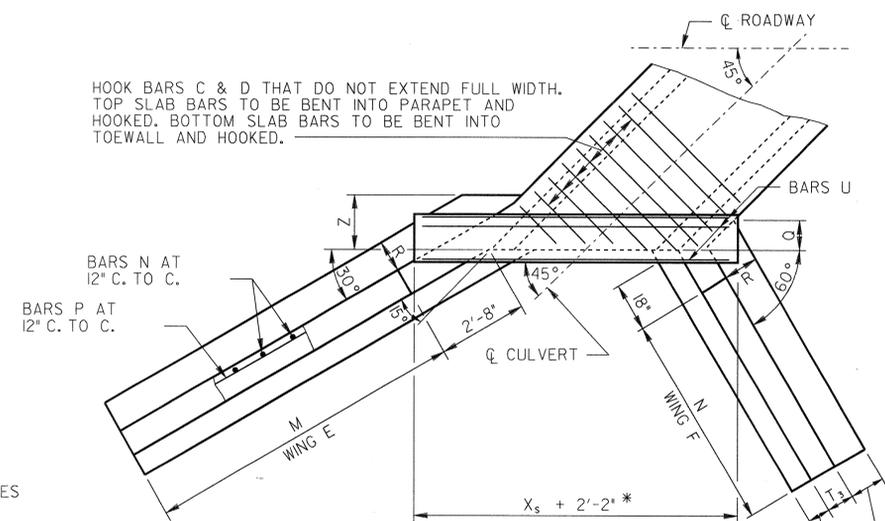
ELEVATION



PLAN
75° SKEW



PLAN
60° SKEW



PLAN
45° SKEW

* ROUND DIMENSION UP TO THE NEAREST INCH

HOOK BARS C & D THAT DO NOT EXTEND FULL WIDTH. BARS IN TOP SLAB TO BE BENT INTO PARAPET AND HOOKED. BARS IN BOTTOM SLAB TO BE BENT INTO TOEWALL AND HOOKED.

HOOK BARS C & D THAT DO NOT EXTEND FULL WIDTH. TOP SLAB BARS TO BE BENT INTO PARAPET AND HOOKED. BOTTOM SLAB BARS TO BE BENT INTO TOEWALL AND HOOKED.

DOUBLE AND TRIPLE 45° AND 60° SKEWED BOXES TO HAVE REINFORCING BENT AND HOOKED AS SHOWN FOR SINGLE SKEWED BOXES.

BARS M AND U ARE SAME AS SHOWN FOR SINGLE SKEWED BOXES.

BEND BARS M AND U IN BARREL SLABS INTO WINGWALL AS NECESSARY TO PROVIDE 2" CLEARANCE AT EACH END.

BEND BARS M AND U IN BARREL TOEWALL INTO WING TOEWALL AS NECESSARY TO PROVIDE 2" CLEARANCE AT EACH END.

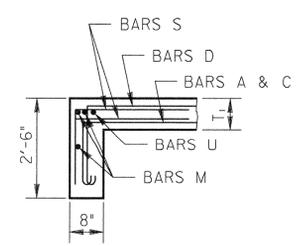
GENERAL NOTES

SPECIFICATIONS-GEORGIA STANDARD.

THIS PLAN IS NOT COMPLETE IN ITSELF. FOR GENERAL NOTES, DETAILS AND DIMENSIONS NOT SHOWN, SEE SPECIAL DESIGN REINFORCED CONCRETE WINGWALLS, TOEWALLS, AND PARAPETS FOR CONCRETE BOX CULVERTS.

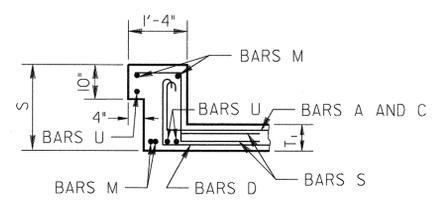
QUANTITIES FOR BARREL REMAIN AS SHOWN ON REINFORCED CONCRETE BOX CULVERT DETAILS.

MAINTAIN 2" CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.



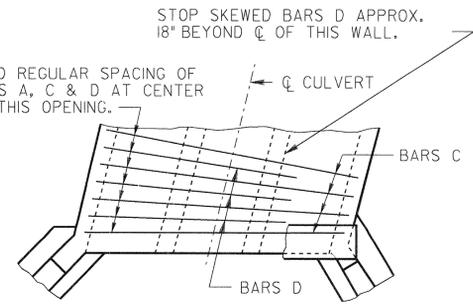
SECTION OF TOEWALL

SHOWING BEND ON A, C & D BARS FOR 60° AND 45° SKEWS



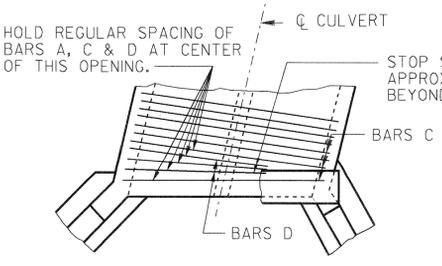
SECTION OF PARAPET

SHOWING BEND ON A, C & D BARS FOR 60° & 45° SKEWS



PART PLAN
TRIPLE 75° SKEW BOX

SHOWING ARRANGEMENT OF SKEWED BARS IN SLAB



PART PLAN
DOUBLE 75° SKEW BOX

DESIGN DATA

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

DATE		REVISIONS		GEORGIA DEPARTMENT OF TRANSPORTATION PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN SPECIAL DESIGN REINFORCED CONCRETE WINGWALLS, TOEWALLS AND PARAPETS FOR CONCRETE BOX CULVERTS NO SCALE MARCH 2003	
DESIGNED	STD	CHECKED	WEI	REVIEWED	JPT/MCD
DRAWN	STD/KWK	DESIGN GROUP	WEI	APPROVED	PVL

BRIDGE SHEET
1 OF 3

AS-BUILT