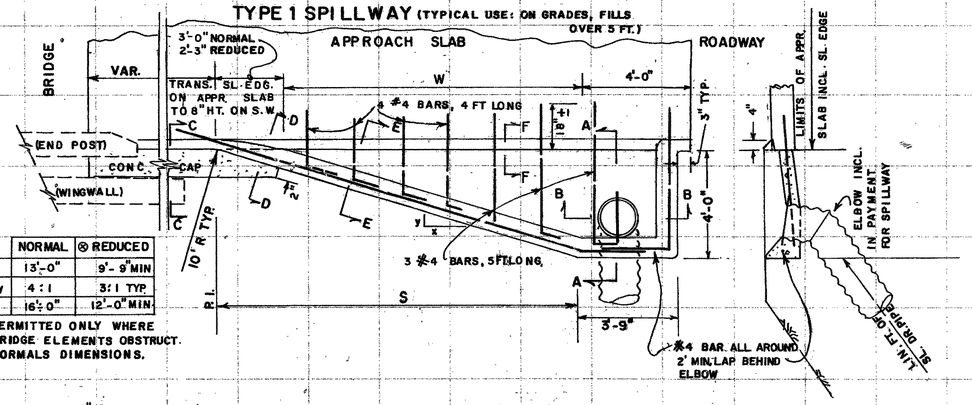
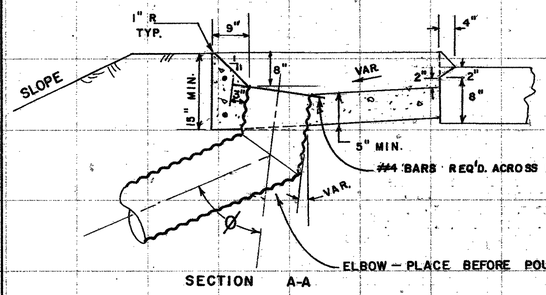
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M002-00(434)	315	379

TYPE 1 SPILLWAY (TYPICAL USE: ON GRADES, FILLS OVER 5 FT.)

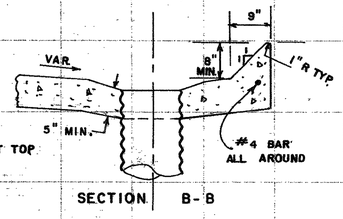


	NORMAL	⊗ REDUCED
W	13'-0"	9'-9" MIN
x : y	4 : 1	3 : 1 TYP.
S	16'-0"	12'-0" MIN.

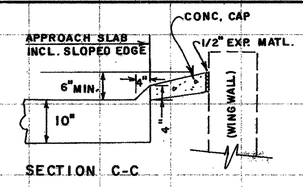
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT. NORMALS DIMENSIONS.



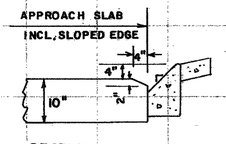
SECTION A-A



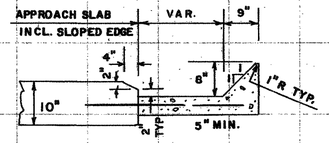
SECTION B-B



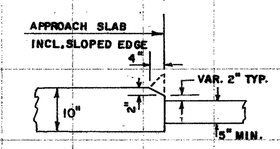
SECTION C-C



SECTION D-D



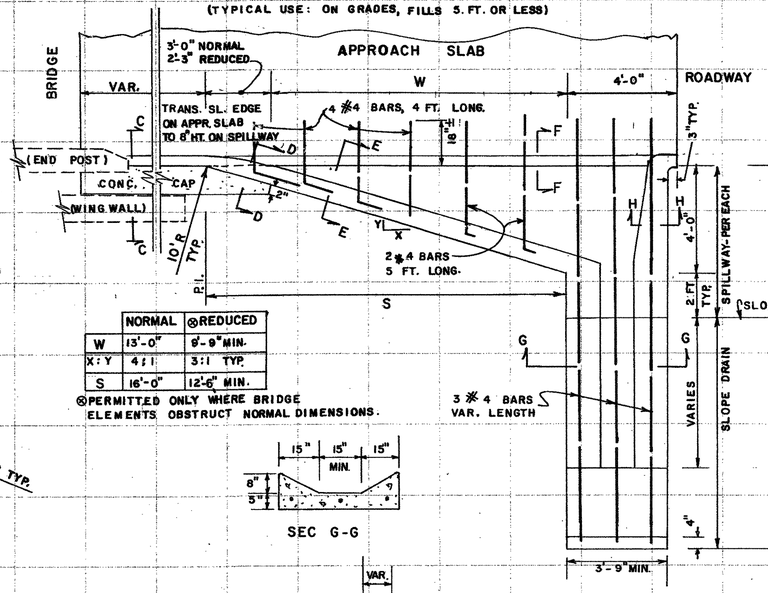
SECTION E-E



SECTION F-F.

TYPE 3 SPILLWAY

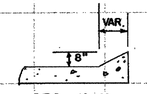
(TYPICAL USE: ON GRADES, FILLS 5. FT. OR LESS)



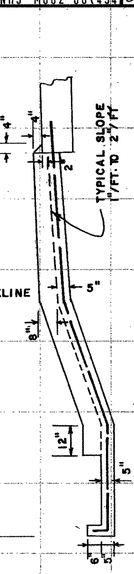
	NORMAL	⊗ REDUCED
W	13'-0"	9'-9" MIN.
X : Y	4 : 1	3 : 1 TYP.
S	16'-0"	12'-6" MIN.

⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMAL DIMENSIONS.

SEC G-G



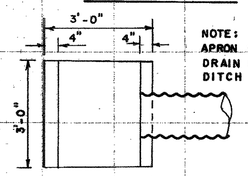
SEC. H-H



SLOPE DRAIN PIPE DIAMETERS	
PIPES I.D. (INCHES)	AREA DRAINING INTO SPILLWAY - (SQ. FT.)
15"	TO 24,100
18"	OVER 24,100

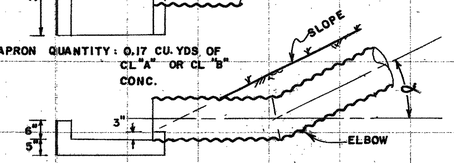
SLOPE DRAIN PIPE ELBOW ANGLES		
EMBANKMENT SLOPE	ELBOW IN SPILLWAY	ELBOW AT OUTLET
STEEPER THAN 4:1	Ø = 60° ±	α = 30° ±
4:1 OR FLATTER	Ø = 75° ±	α = 15° ±

OUTLET APRON



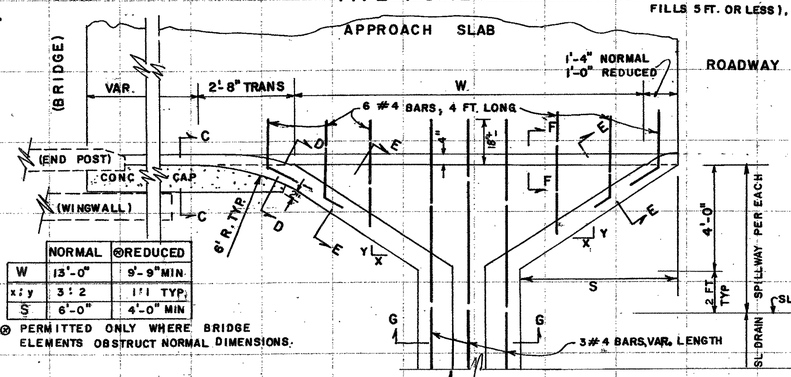
NOTE: APRON IS REQUIRED AT ALL SLOPE DRAIN PIPE OUTLETS UNLESS CONCRETE DITCH PAVING OR RIP RAP PROTECTION IS PROVIDED.

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



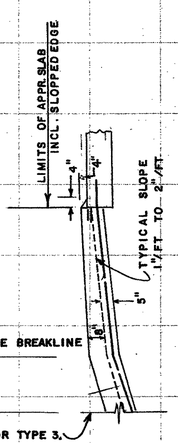
NOTE: APRON CONSTRUCTED FROM SAND CEMENT BAG RIP RAP, MORTAR RUBBLE MASONRY OR STONE GROUT RIP RAP MAY BE SUBSTITUTED FOR CONCRETE APRON.

TYPE 4 SPILLWAY (TYPICAL USE: IN SAGS OR LOW AREAS, FILLS 5 FT. OR LESS).



	NORMAL	⊗ REDUCED
W	13'-0"	9'-9" MIN.
x : y	3 : 2	1 : 1 TYP.
S	6'-0"	4'-0" MIN

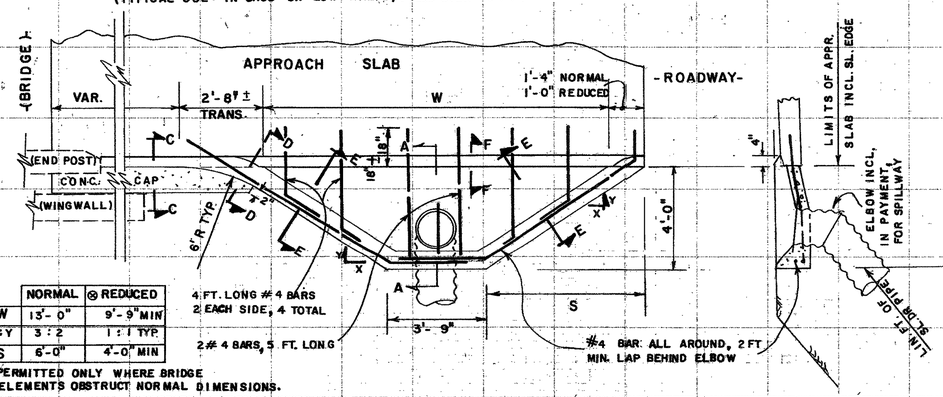
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMAL DIMENSIONS.



DETAILS BELOW THIS LINE ARE THE SAME AS SHOWN FOR TYPE 3.

TYPE 2 SPILLWAY

(TYPICAL USE: IN SAGS OR LOW AREAS, FILLS OVER 5 FT.)



	NORMAL	⊗ REDUCED
W	13'-0"	9'-9" MIN
X : Y	3 : 2	1 : 1 TYP.
S	6'-0"	4'-0" MIN

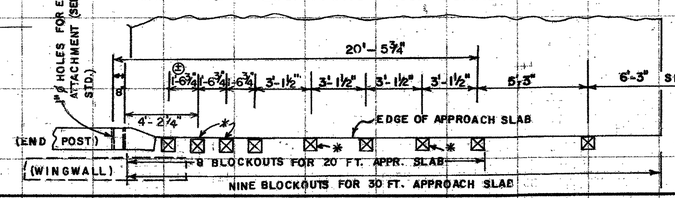
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMAL DIMENSIONS.

GENERAL NOTES:

1. SPECIFICATIONS: GA. STANDARD, CURRENT EDITION, & SUPPLEMENTS THERETO.
2. PAYMENT FOR SPILLWAY (ANY TYPE) INCLUDES ALL TIE BARS & CONNECTIONS TO APPROACH SLAB.

NOTE: PAYMENT FOR SPILLWAY INCLUDES INDICATED BLOCKOUTS EXCEPT WHERE IT HAS BEEN VERIFIED THAT GUARDRAIL IS NOT REQUIRED.
*IF GUARDRAIL IS WARRANTED AT THE TRAILING END OF 4 OR MORE LANES, BLOCKOUTS FLAGGED WITH AN ASTERISK ARE OMITTED.

BLOCKOUT LOCATIONS FOR GUARDRAIL POST



3-28-95	GENERAL REVISION	R.H.G.
4-27-89	BLOCKOUT SPA.	K.J.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD CONCRETE SPILLWAYS

(ADJACENT TO APPROACH SLABS)

NO SCALE — REV. & REDR. JUNE, 1985

DES. R.M.U.
DRW R.M.U.
TRA. G.M.E.
CHK. R.K.C.

(SUBMITTED) Floyd E. Hardy — STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) Hal Kimsey — STATE HIGHWAY ENGINEER

NUMBER 9017J

FORM EF00003