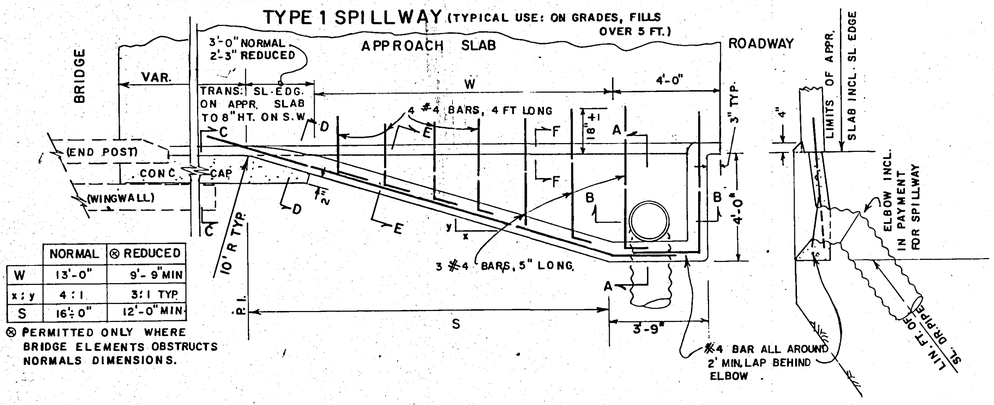
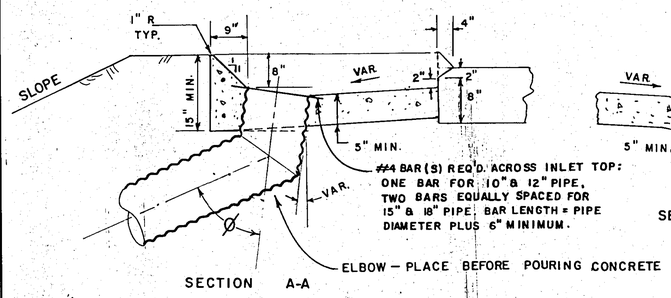
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDF-017-3(39)	129	194

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

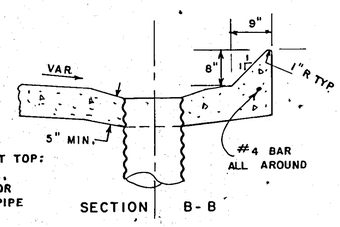


	NORMAL	⊗ REDUCED
W	13'-0"	9'-9" MIN
x : y	4 : 1	3 : 1 TYP.
S	16½'-0"	12'-0" MIN

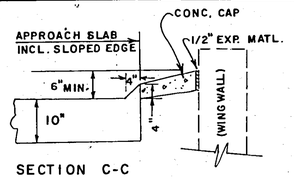
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCTS NORMALS DIMENSIONS.



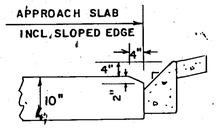
SECTION A-A



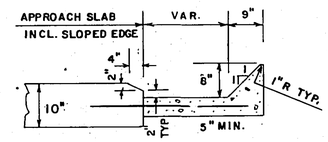
SECTION B-B



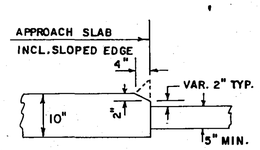
SECTION C-C



SECTION D-D



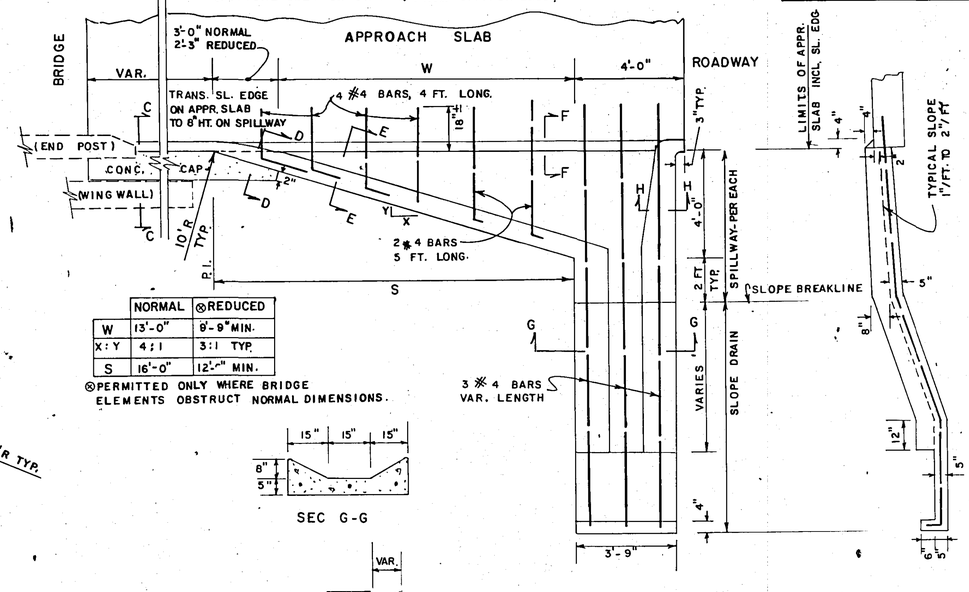
SECTION E-E



SECTION F-F.

TYPE 3 SPILLWAY

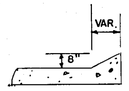
(TYPICAL USE: ON GRADES, FILLS 5. FT. OR LESS)



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

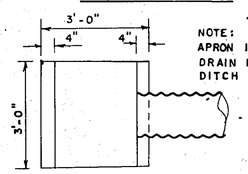
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMAL DIMENSIONS.

SEC G-G



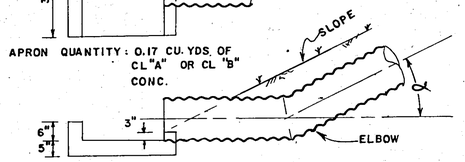
SEC. H-H

OUTLET APRON



NOTE: APRON IS REQUIRED AT ALL SLOPE DRAIN PIPE OUTLESS UNLESS CONC. 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.

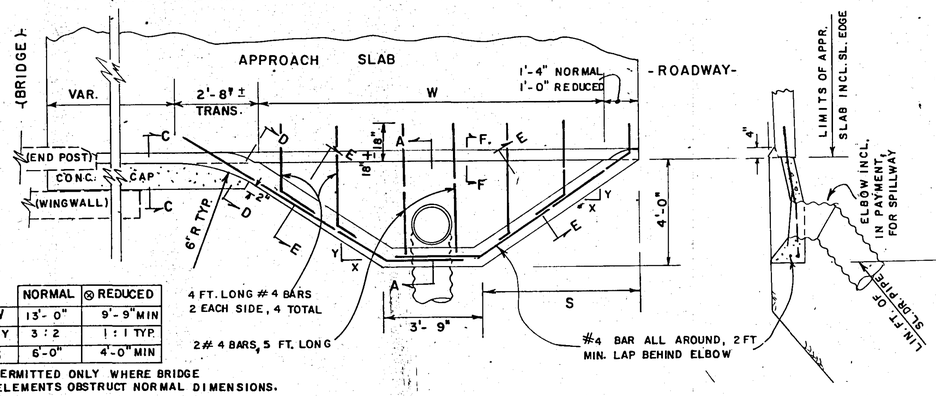
SLOPE DRAIN PIPE DIAMETERS	
PIPES I.D. (INCHES)	AREA DRAINING INTO SPILLWAY - (SQ. FT.)
10"	TO 10,700
12"	FROM 10,700+ TO 15,500
15"	FROM 15,500+ TO 24,100
18"	OVER 24,100

NOTE: PIPE SIZE SPECIFIED IS MINIMUM CONTRACTOR MAY ELECT TO USE LARGER SIZE AT NO ADDITIONAL PAYMENT.

SLOPE DRAIN PIPE ELBOW ANGLES		
EMBANKMENT SLOPE	ELBOW IN SPILLWAY	ELBOW AT OUTLET
STEEPER THAN 4:1	$\phi = 60° \pm$	$\alpha = 30° \pm$
4:1 OR FLATTER	$\phi = 75° \pm$	$\alpha = 15° \pm$

TYPE 2 SPILLWAY

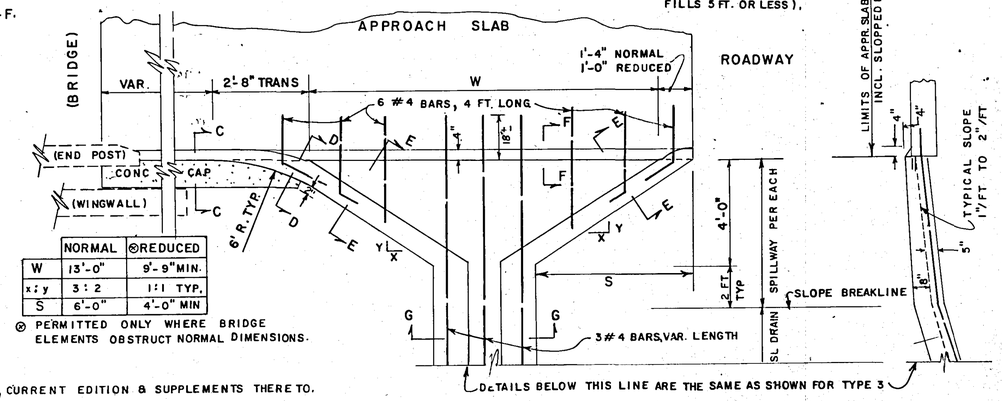
(TYPICAL USE: IN SAGS OR LOW AREAS, FILLS OVER 5 FT.)



	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.

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

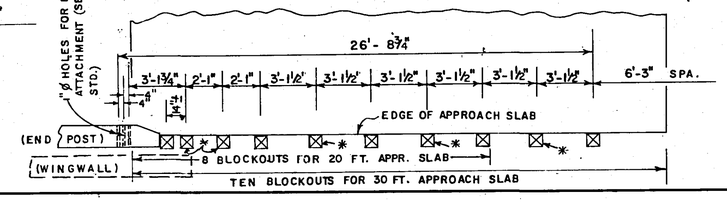
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMAL DIMENSIONS.

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 ONE-WAY TRAFFIC, BLOCKOUTS FLAGGED WITH AN ASTERISK ARE OMITTED.

BLOCKOUT LOCATIONS FOR GUARDRAIL POST



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

TELEDYNE POST N18592