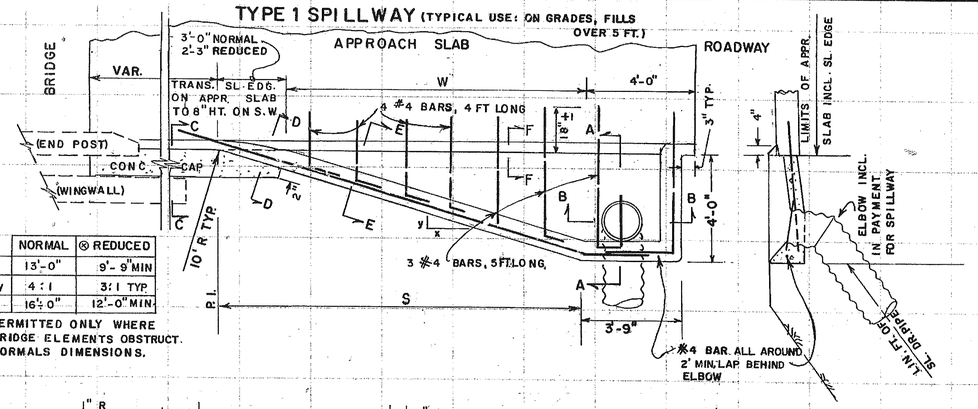
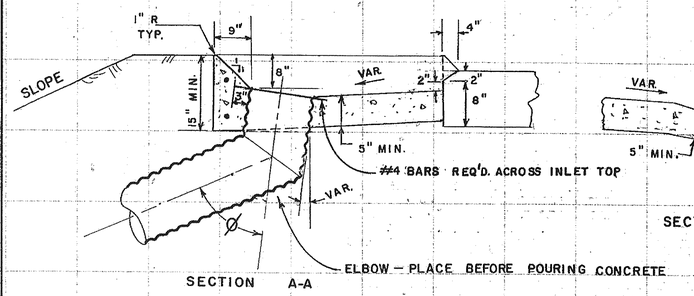
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | 54 | 59 |

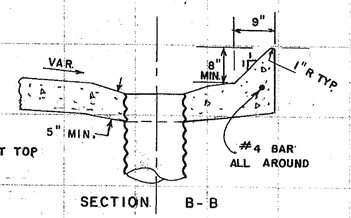
## TYPE 1 SPILLWAY (TYPICAL USE: ON GRADES, FILLS OVER 5 FT.)

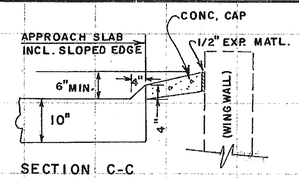


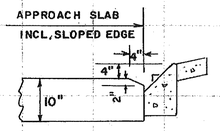

| | NORMAL | ⊗ REDUCED |
|---|---|---|
| W | 13'-0" | 9'-9" MIN |
| x : y | 4 : 1 | 3 : 1 TYP. |
| S | 16'-0" | 12'-0" MIN. |

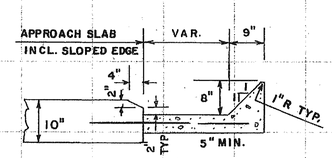
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMALS DIMENSIONS.

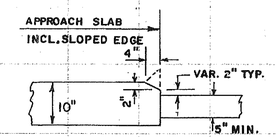


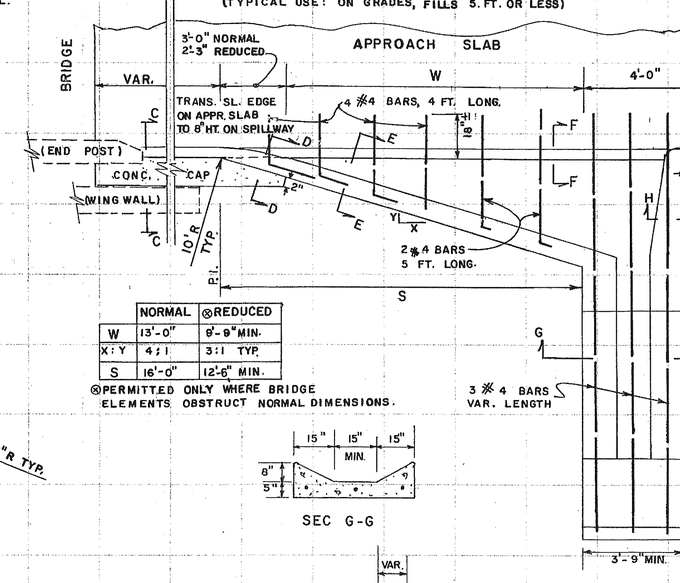




## TYPE 3 SPILLWAY

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

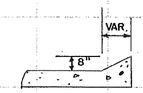



| | NORMAL | ⊗ REDUCED |
|---|---|---|
| W | 13'-0" | 9'-9" MIN. |
| X : Y | 4 : 1 | 3 : 1 TYP. |
| S | 16'-0" | 12'-6" MIN. |

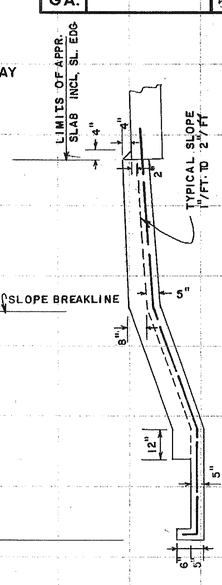
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMAL DIMENSIONS.



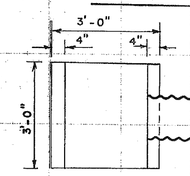

SEC G-G




SEC. H-H

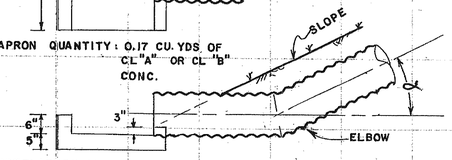



## OUTLET APRON




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.

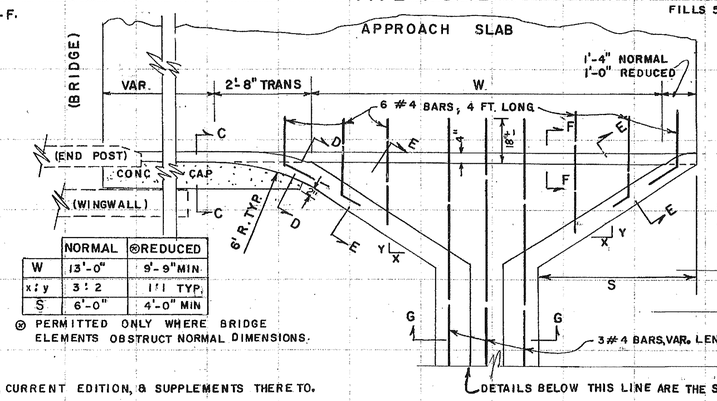



NOTE: APRON CONSTRUCTED FROM SAND CEMENT BAG RIP RAP, MORTAR RUBBLE MASONRY OR STONE GROUT RIP RAP MAY BE SUBSTITUTED FOR CONCRETE APRON.

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

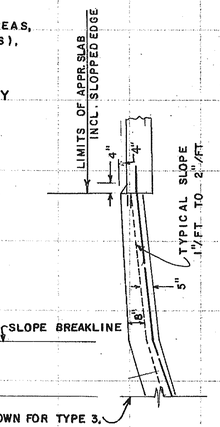
| SLOPE DRAIN PIPE ELBOW ANGLES | | |
|---|---|---|
| EMBANKMENT SLOPE | ELBOW IN SPILLWAY | ELBOW AT OUTLET |
| STEEPER THAN 4:1 | $\phi = 60° \pm$ | $\alpha = 30° \pm$ |
| 4:1 OR FLATTER | $\phi = 75° \pm$ | $\alpha = 15° \pm$ |

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



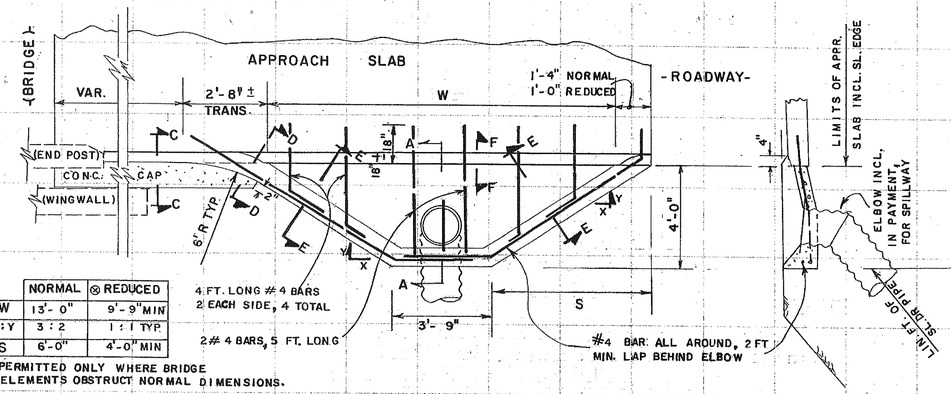

| | NORMAL | ⊗ REDUCED |
|---|---|---|
| W | 13'-0" | 9'-9" MIN |
| x : y | 3 : 2 | 1 : 1 TYP. |
| S | 6'-0" | 4'-0" MIN |

⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMAL DIMENSIONS.




## 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 |

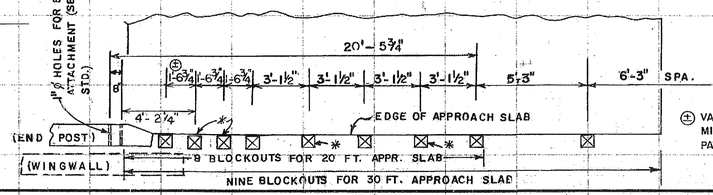
⊗ PERMITTED ONLY WHERE BRIDGE ELEMENTS OBSTRUCT NORMAL DIMENSIONS.

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




| | | |
|---|---|---|
| 2-28-85 | GENERAL REVISION | R.H.B. |
| 4-27-89 | BLOCKOUT SPA. | K.E.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

TELEDYNE POST N18993

2/20/2008 11:50:05 AM \\GDOT-DSN1\GOPLOT\GCF\Road_Design_Tiff-18x12_to_Tiff-36x24.gcf wnguyen C:\Documents and Settings\wnguyen\Desktop\M001996\Construction\Plan Sheet\M001996_0054.tif GO-RD-Plans-Review