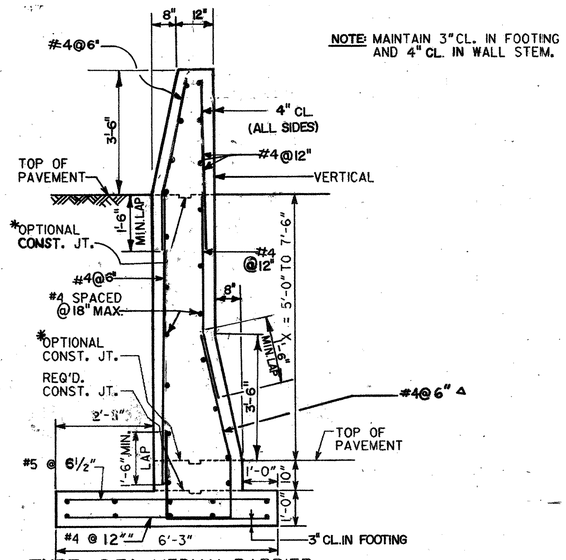
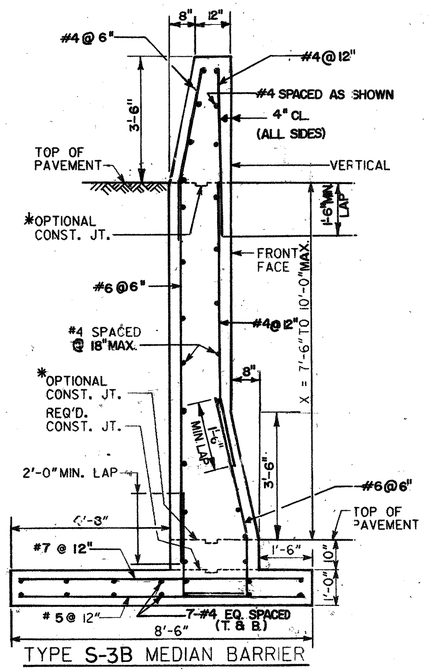
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M002-00(434)	282	379



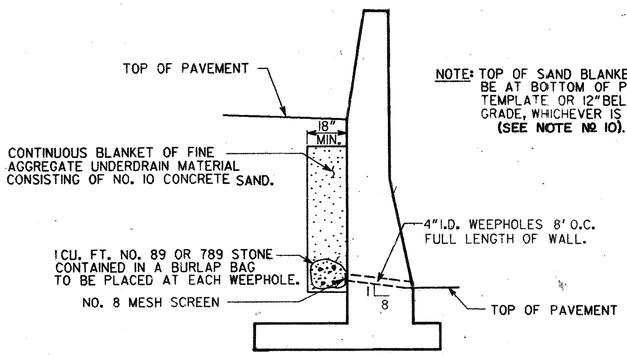
NOTE: MAINTAIN 3" CL. IN FOOTING AND 4" CL. IN WALL STEM.

TYPE S-3A MEDIAN BARRIER



TYPE S-3B MEDIAN BARRIER

* KEYED CONSTRUCTION JOINT (OPTIONAL) TO BE THE SIZE OF A NOMINAL 2 X 4.



NOTE: TOP OF SAND BLANKET TO BE AT BOTTOM OF PAVING TEMPLATE OR 12" BELOW FINISHED GRADE, WHICHEVER IS LOWER. (SEE NOTE № 10).

DRAINAGE DETAILS

NO SCALE

NOTES:

1) CONCRETE SHALL BE CLASS 'A', REINFORCING STEEL SHALL BE GRADE 40.

2) FOR ADDITIONAL DETAILS SEE GA. STD. 4940.

3) RETAINING WALL DESIGNED FOR THE FOLLOWING SOIL PROPERTIES:

θ = ANGLE OF INTERNAL FRICTION 28°
γ = UNIT WEIGHT = 110 pcf
μ = COEFF. OF SLIDING FRICTION = .45

ALLOWABLE BEARING = 1 TON/SF

4) FOR X = LESS THAN 5'-0", SEE TYPES S-1, S-2, AND S-3 (SEPARATE SHEET).

5) EXPOSED CONCRETE SURFACE SHALL RECEIVE A TYPE III FINISH.

6) ONE INCH EXPANSION JOINTS SHALL BE PROVIDED IN WALL AND FOOTING AT A MAXIMUM SPACING OF 100 FEET. EXPANSION JOINTS SHALL BE SPACED UNIFORMLY.

7) CONTRACTION JOINTS SHALL BE AS SPECIFIED ON GA. STD. 4940.

8) EXPANSION AND CONTRACTION JOINTS IN TYPES S-3A & S-3B MEDIAN BARRIERS SHALL BE WATERPROOFED ON THE BACK SIDE. WATERPROOFING SHALL BE 3-PLY AND EXTEND FROM TOP OF SAND BLANKET TO TOP OF FOOTING FOR 1'-6" MIN. EACH SIDE OF JOINT.

9) TYPES S-3A AND S-3B MEDIAN BARRIER SHALL BE PAID FOR PER LIN FOOT AS CONCRETE BARRIER, TYPE S-3A OR S-3B. PRICE BID TO INCLUDE COST OF WATERPROOFING AND ALL INCIDENTALS AS SPECIFIED IN SECTION 621 OF THE STANDARD SPECIFICATIONS.

10) A SYNTHETIC DRAINAGE BLANKET SELECTED FROM THE DEPARTMENT'S QUALIFIED PRODUCTS LIST IS AN ACCEPTABLE SUBSTITUTE FOR THE SAND BLANKET SHOWN IN THE DRAINAGE DETAILS.

BY	REVISIONS	DATE
		7-1-99

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

CONCRETE MEDIAN BARRIER
TYPES S-3A & S-3B
(SPECIAL DESIGN)

SCALE: NO SCALE — OCT. 18, 1993

DESIGNED — CHECKED — REVIEWED
DRAWN — DESIGN GROUP — APPROVED

(10)