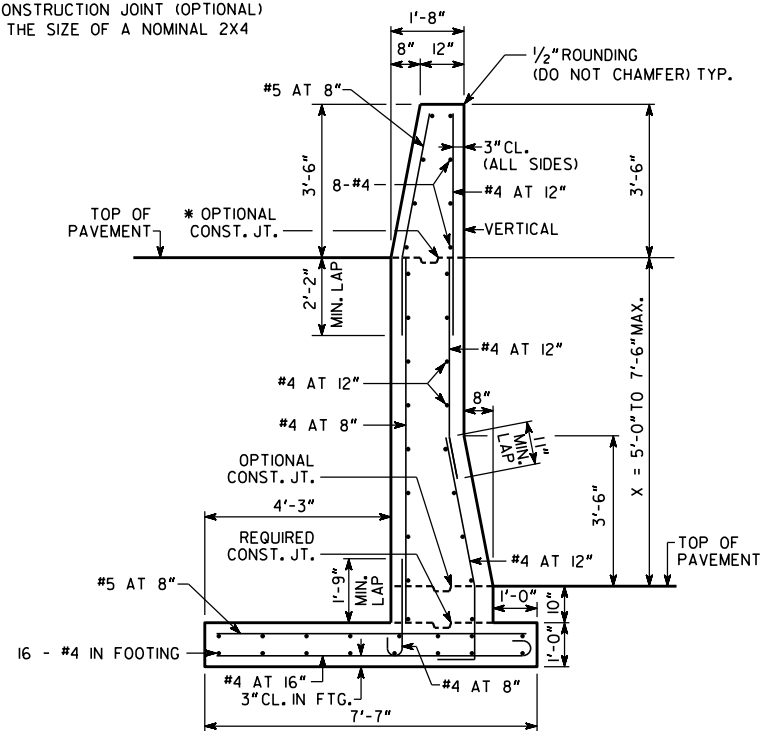
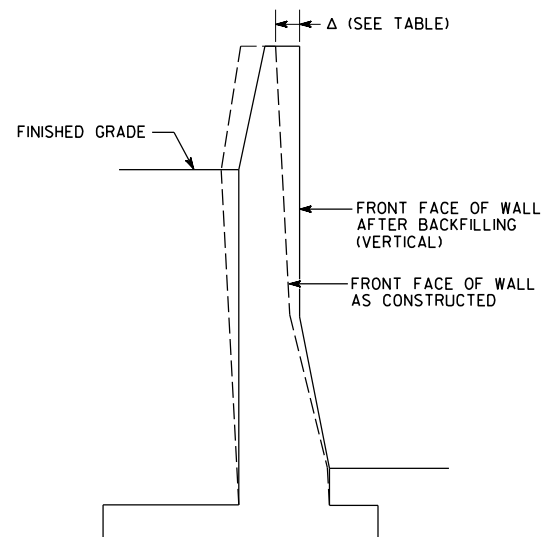


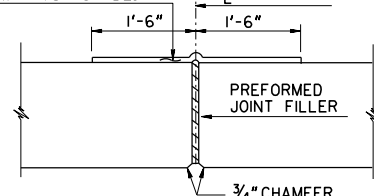
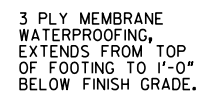
* KEYED CONSTRUCTION JOINT (OPTIONAL)
TO BE THE SIZE OF A NOMINAL 2X4



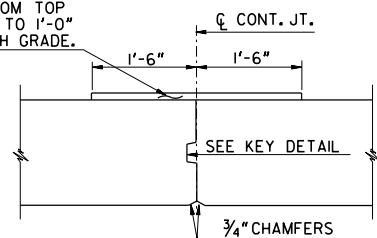
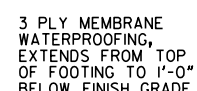
TYPE S-3A MEDIAN BARRIER
(SUPERELEVATED SECTION OR INDEPENDENT
GRADES, X = 5'-0" TO 7'-6" MAX.)



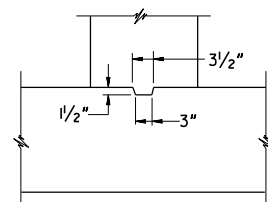
WALL BATTER DETAIL



DETAIL OF EXPANSION JOINT

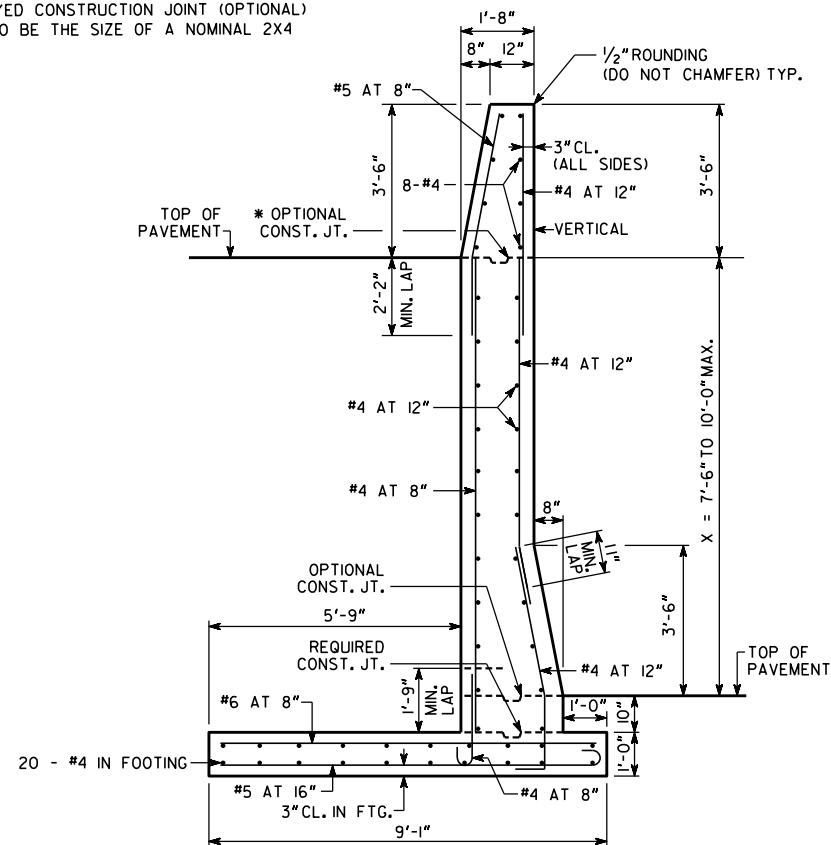


DETAIL OF CONTRACTION JOINT



(FOR USE IN FOOTING
AND CONTRACTION JOINT)
SHEAR KEY DETAIL

*KEYED CONSTRUCTION JOINT (OPTIONAL)
TO BE THE SIZE OF A NOMINAL 2X4



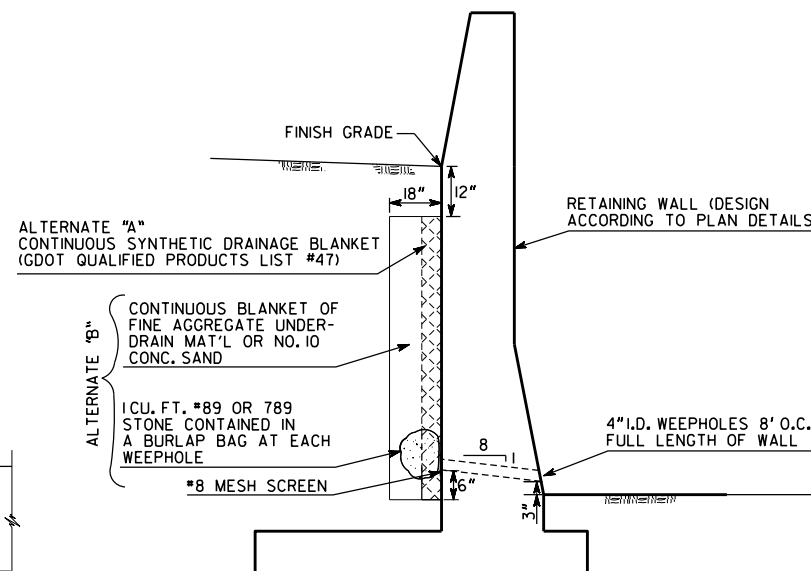
TYPE S-3B MEDIAN BARRIER
(SUPERELEVATED SECTION OR INDEPENDENT
GRADES, X = 7'-6" TO 10'-0" MAX.)

Δ (INCHES)	MAX. FACTORED BEARING PRESSURE	TYPE
1/8"	2.2 KSF	S-3A
5/16"	2.6 KSF	S-3B

GENERAL NOTES:

1. SPECIFICATIONS TO GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. CONCRETE SHALL BE CLASS "AA". REINFORCING STEEL SHALL BE GRADE 60.
3. DRAINAGE DETAIL ALTERNATES A OR B, PER THE DETAIL ON THIS SHEET, ARE REQUIRED FOR TYPES S-3A AND S-3B. INCLUDE COST OF MATERIALS AND WORK IN PRICE BID FOR BARRIER.
4. MAINTAIN 3" COVER ON ALL REINFORCING IN STEM AND BARRIER AND 3" COVER IN FOOTING.
5. PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH EXPANSION JOINTS. STEM LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH CONTRACTION JOINTS. LONGITUDINAL REINFORCING SHALL BE LAP SLICED 2'-4". LONGITUDINAL FOOTING REINFORCING SHALL BE CONTINUOUS BETWEEN EXPANSION JOINTS. WHEN FOOTING SIZE CHANGES, LONGITUDINAL REINFORCING FOR SMALLER FOOTING SHALL EXTEND 1'-4" MINIMUM INTO LARGER FOOTING.
6. EXPOSED CONCRETE SURFACES SHALL RECEIVE A TYPE III FINISH.
7. EXPANSION JOINTS SHALL BE SPACED UNIFORMLY AT A MAXIMUM SPACING OF 80'-0" AND EXTEND THROUGH THE BARRIER, STEM AND FOOTING. CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 20'-0" AND EXTEND THROUGH THE BARRIER AND STEM.
8. 1" PREFORMED JOINT FILLER SHALL BE USED AT EACH EXPANSION JOINT. GALVANIZED 10# NAILS SHALL BE USED TO INSTALL EXPANSION MATERIAL.
9. EXPANSION AND CONTRACTION JOINTS IN TYPES S-3A AND S-3B SIDE BARRIER SHALL BE WATERPROOFED ON THE BACK SIDE. WATERPROOFING SHALL BE 3-PLY AND EXTEND FROM 1'-0" BELOW FINISH GRADE TO TOP OF FOOTING FOR 1'-6" MIN. EACH SIDE OF JOINT.
10. TYPES S-3A AND S-3B MEDIAN BARRIER SHALL BE PAID FOR PER LIN. FT. AS CONCRETE MEDIAN BARRIER, TYPE S-3A AND S-3B. INCLUDE COST OF WATERPROOFING AND ALL INCIDENTALS AS SPECIFIED IN SECTION 621 OF THE STANDARD SPECIFICATIONS IN THE PRICE BID.
11. TYPE S-3A AND S-3B MEDIAN BARRIERS ARE DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017. THE BARRIERS INCLUDED IN THE DESIGN HAVE BEEN CERTIFIED BY THE DEPARTMENT TO SATISFY MASH TL-4 REQUIREMENTS FOR PROJECTS IN GEORGIA.
12. SIDE BARRIER DESIGN FOR THE FOLLOWING SOIL PROPERTIES:

	FOUNDATION	BACKFILL
COHESION =	0 KSF	0 KSF
ϕ =	28°	28°
UNIT WT. =	0.120 KCF	0.120 KCF
13. WIRE FABRIC REINFORCING OR ALTERNATE REBAR SIZE/SPACING MAY BE USED IF DETAILS ARE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO USE.



DRAINAGE DETAILS

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	STANDARD CONCRETE MEDIAN BARRIER TYPES S-3A AND S-3B NO SCALE	
		BY DES. <u>CEW</u> DRW. <u>DDF</u> CHK. <u>DDF</u> REV. <u>WMD/BAS</u>	(SUBMITTED) <u>Tr Christopher Radd</u> STATE DESIGN POLICY ENGINEER (APPROVED) <u>Margaret B Pirelo</u> CHIEF ENGINEER	NUMBER 4941B