

PIPE CULVERT MATERIAL ALTERNATES FOR PIEDMONT/BLUE RIDGE REGION										
TYPE OF PIPE INSTALLATION	C O N C R E T E	CORRUGATED STEEL AASHTO M-36		CORRU- GATED ALUMINUM AASHTO M-196	PLASTIC					
		ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY- ETHYLENE AASHTO M-252	CORR. POLY- ETHYLENE SMOOTHED LINED AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLY VINYL CHLORIDE(PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949		
LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X									
LONGITUDINAL NON- INTERSTATE AND NON- TRAVEL BEARING	X	X		X		X	X	X		
C R O S S D R A I N	GRADE ≤ 10%	ADT < 250	X	X	X		X	X	X	
		250 < ADT < 1500	X	X*		X		X	X	
		1,500 < ADT < 15,000	X					X	X	X
		ADT > 15,000	X							
GRADE > 10%	ADT < 250		X	X	X		X	X	X	
	ADT > 250				X		X	X	X	
SIDE DRAIN	X	X	X	X		X	X	X		
PERMANENT SLOPE DRAIN		X	X	X		X	X	X		
PERFORATED UNDERDRAIN		X	X	X	X	X		X		

\* THIS TYPE PIPE CAN BE USED IF THE ADDITION OF TYPE "B" COATING (AASHTO M-190, HALF BITUMINOUS COATED WITH PAVED INVERT) IS UTILIZED.

- NOTES:
- ALLOWABLE MATERIALS ARE INDICATED BY AN "X".
  - STRUCTURAL REQUIREMENTS OF STORM DRAIN PIPE WILL BE IN ACCORDANCE WITH GEORGIA STANDARD 1030-D OR 1030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.
  - GRADED AGGREGATE BACKFILL SHALL BE USED IN CROSS DRAIN APPLICATIONS FOR ALL PLASTIC PIPES (AASHTO M-294, HDPE PIPE; AASHTO M-304, PVC PIPE; ASTM F-949 PVC PIPE).
  - THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.
  - PIPE USED UNDER MECHANICALLY STABILIZED EARTH (MSE) WALLS, WITHIN MSE WALL BACKFILL, OR WITHIN FIVE FEET OF AN MSE WALL FACE SHALL BE CLASS V CONCRETE PIPE.
  - PROJECT SPECIFIC pH AND RESISTIVITY VALUES ARE ENTERED INTO THE RESPECTIVE BOXES TO DETERMINE ALLOWABLE PIPE MATERIALS.
- REV. 03-22-10



REVISION DATES		

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION

OFFICE: PROGRAM DELIVERY

**GENERAL NOTES**

PROJECT: CSMSL-0006-00(293)  
COUNTY: COWETA

DRAWING No. <b>4-002</b>
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