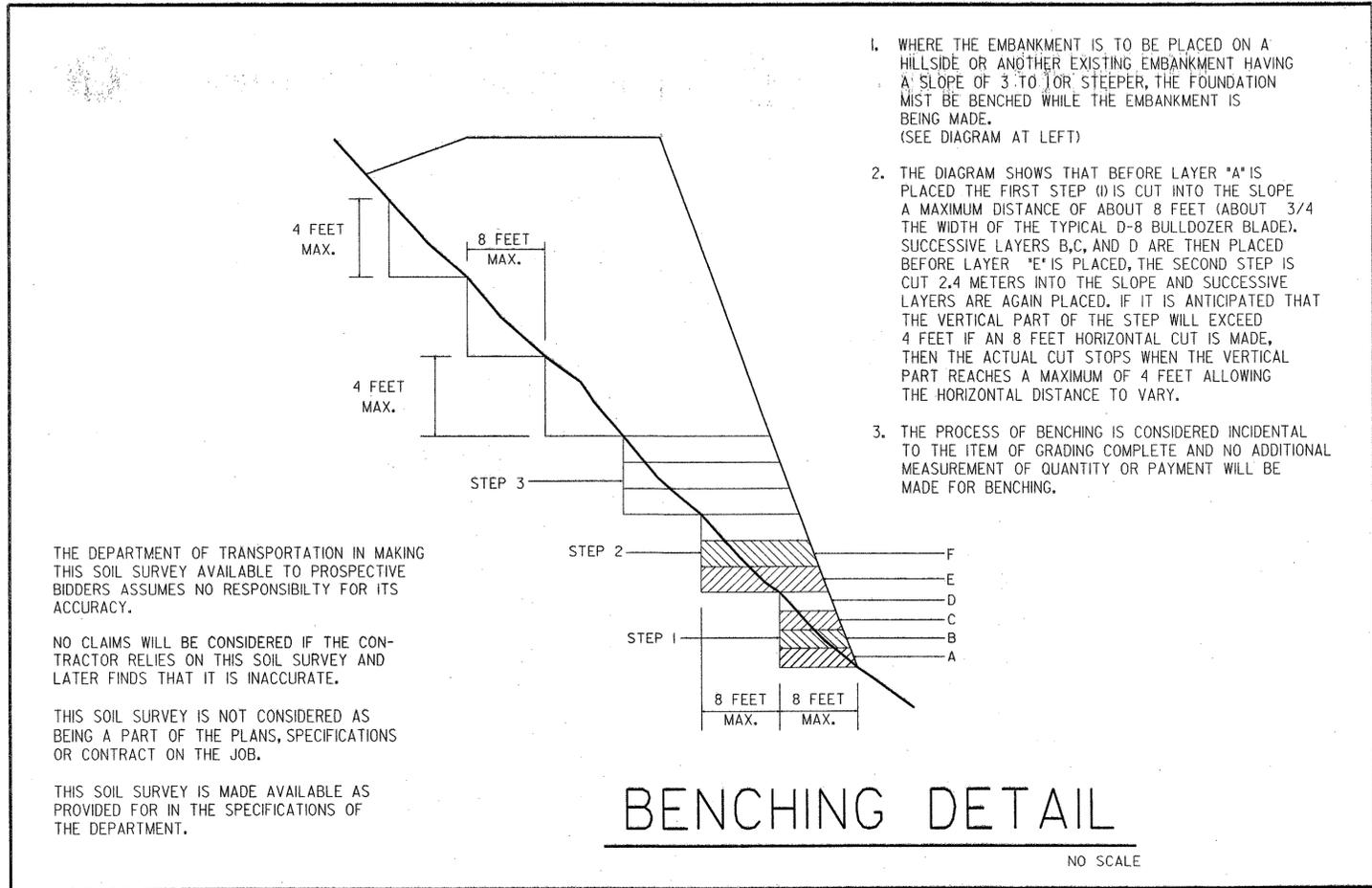


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BR-0001-00 (357)	4	171
REVISION DATES			
	4/3/07		



- WHERE THE EMBANKMENT IS TO BE PLACED ON A HILLSIDE OR ANOTHER EXISTING EMBANKMENT HAVING A SLOPE OF 3 TO 1 OR STEEPER, THE FOUNDATION MUST BE BENCHED WHILE THE EMBANKMENT IS BEING MADE. (SEE DIAGRAM AT LEFT)
- THE DIAGRAM SHOWS THAT BEFORE LAYER "A" IS PLACED THE FIRST STEP (D) IS CUT INTO THE SLOPE A MAXIMUM DISTANCE OF ABOUT 8 FEET (ABOUT 3/4 THE WIDTH OF THE TYPICAL D-8 BULLDOZER BLADE). SUCCESSIVE LAYERS B, C, AND D ARE THEN PLACED BEFORE LAYER "E" IS PLACED, THE SECOND STEP IS CUT 2.4 METERS INTO THE SLOPE AND SUCCESSIVE LAYERS ARE AGAIN PLACED. IF IT IS ANTICIPATED THAT THE VERTICAL PART OF THE STEP WILL EXCEED 4 FEET IF AN 8 FEET HORIZONTAL CUT IS MADE, THEN THE ACTUAL CUT STOPS WHEN THE VERTICAL PART REACHES A MAXIMUM OF 4 FEET ALLOWING THE HORIZONTAL DISTANCE TO VARY.
- THE PROCESS OF BENCHING IS CONSIDERED INCIDENTAL TO THE ITEM OF GRADING COMPLETE AND NO ADDITIONAL MEASUREMENT OF QUANTITY OR PAYMENT WILL BE MADE FOR BENCHING.

THE DEPARTMENT OF TRANSPORTATION IN MAKING THIS SOIL SURVEY AVAILABLE TO PROSPECTIVE BIDDERS ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

NO CLAIMS WILL BE CONSIDERED IF THE CONTRACTOR RELIES ON THIS SOIL SURVEY AND LATER FINDS THAT IT IS INACCURATE.

THIS SOIL SURVEY IS NOT CONSIDERED AS BEING A PART OF THE PLANS, SPECIFICATIONS OR CONTRACT ON THE JOB.

THIS SOIL SURVEY IS MADE AVAILABLE AS PROVIDED FOR IN THE SPECIFICATIONS OF THE DEPARTMENT.

PIPE CULVERT MATERIAL ALTERNATES FOR PIEDMONT/BLUE RIDGE REGION

TYPE OF PIPE INSTALLATION	CONCRETE	CORRUGATED STEEL AASHTO M-36		CORRUGATED ALUMINUM AASHTO M-196		PLASTIC		
		ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY-ETHYLENE SMOOTHED LINED AASHTO M-252	CORR. POLY-ETHYLENE SMOOTHED LINED AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	
LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X							
LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING	X	X			X		X	X
STORM DRAIN CROSS DRAIN		ADT < 250	X	X	X		X	X
		250 < ADT < 1500	X	X*		X		
		ADT > 1500	X					
GRADE > 10%		ADT < 250		X	X		X	X
		ADT > 250				X		
SIDE DRAIN		X	X	X		X	X	
PERMANENT SLOPE DRAIN			X	X		X	X	
PERFORATED UNDERDRAIN			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 GOERGIA STANDARD 1030-D OR 1030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS, IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED. THIS IS REQUIRED TO ENSURE THAT ADEQUATE CAPACITY IS PROVIDED FOR A STORM SEWER PIPE WITH A MANNING'S n GREATER THAN THAT OF CONCRETE (0.013).

GENERAL NOTES



**NOTE**

THERE IS NO SUITABLE AREA WITHIN THE RIGHT-OF-WAY OF THIS PROJECT FOR THE DISPOSAL OF ANY PARTS OF THE EXISTING BRIDGE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FOR THE PROPER DISPOSAL, INCLUDING A DISPOSAL SITE, OF ALL UNSALVAGED COMPONENTS OF THIS BRIDGE.

A NOTICE OF INTENT (N.O.I.) WILL BE REQUIRED FOR THIS PROJECT

**NOTE**

USGS STREAM GAGE LOCATED ON EXISTING BRIDGE. COORDINATION BETWEEN USGS AND THE CONTRACTOR IS REQUIRED.

**NOTE**

ALL DRIVEWAYS SHALL BE PAVED TO THE RIGHT OF WAY OR CONSTRUCTION EASEMENT, WHICHEVER IS GREATER.

ASPHALTIC DRIVES:  
 ASPH. CONC 12.5 mm SUPERPAVE+ 165 LB/YDS<sup>2</sup>  
 GRADR AGG BASE - APPROX. 4"

**NOTE**

ALL EXISTING PIPES SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.

THE FOLLOWING UTILITY OWNERS HAVE FACILITIES WHICH CONFLICT WITH CONSTRUCTION ON THIS PROJECT. SEE SHEET NUMBERS INDICATED FOR DETAILS.

NAME OF UTILITY	TYPE OF SERVICE	CONTACT PERSON
GEORGIA POWER	POWER	JON JEFFERIES 706-232-8961
BELLSOUTH	TELEPHONE	MIKE GARRETT 706-232-0880
ATLANTA GAS LIGHT CO.	GAS	ROB HEMBREE 404-584-3363
CITY OF WHITESBURG	WATER	WALTER HINES 770-382-1184