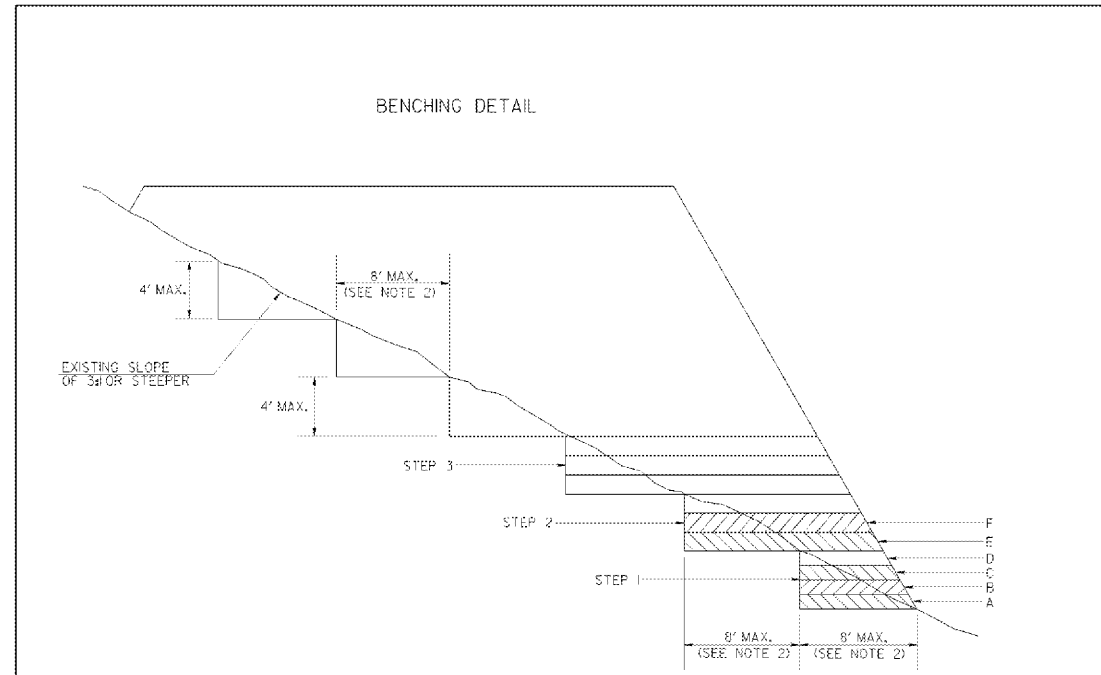
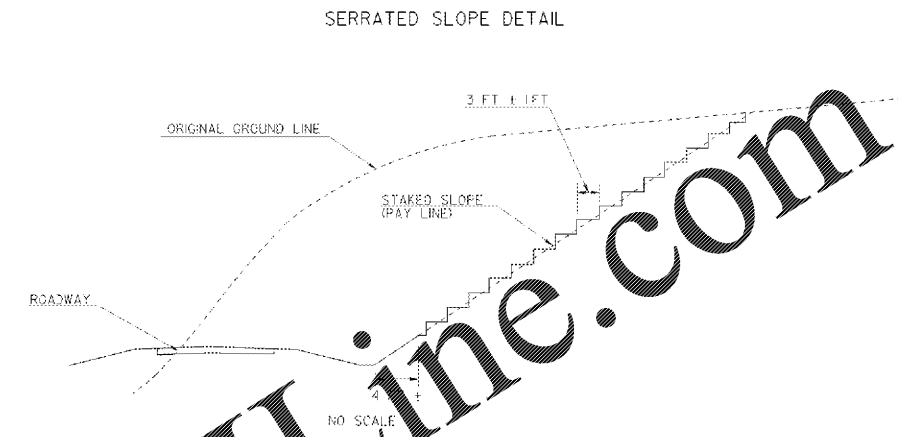


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**NOTES :**

- 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 BENCHING WHILE THE EMBANKMENT IS BEING MADE.(SEE DIAGRAM ABOVE)
- THE DIAGRAM SHOWS THAT BEFORE LAYER "A" IS PLACED THE FIRST STEP "B" 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 8 FEET 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 A 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 UNCLASSIFIED EXCAVATION AND BORROW OR GRADING COMPLETE IN CONSTRUCTION OF THE EMBANKMENT AND NO ADDITIONAL MEASUREMENT OF QUANTITY OR PAYMENT WILL BE MADE FOR BENCHING.



**NOTES :**

- SLOPES STEEPER THAN 3:1 SHALL BE SERRATED.
- WIDTH OF STEP SHALL BE 1 FT ± 1 FT.
- HEIGHT OF STEP IS A FUNCTION OF WIDTH AND STAKED SLOPE.
- TREAD OF STEP SHALL BE APPROXIMATELY HORIZONTAL.
- SERRATED SLOPE SHALL BE USED ON ALL PROJECTS IN DISTRICTS 1, 2, 3, 4, AND 5, UNLESS SPECIFICALLY EXCEPTED BY THE GEOTECHNICAL ENGINEER IN THE SOIL SURVEY REPORT. SERRATED SLOPE SHALL BE USED IN DISTRICTS 2, 3, 4, AND 5, UNLESS REQUIRED BY THE SOIL SURVEY.

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

REVISED BENCHING DETAIL & 6-18-09	DEPARTMENT OF TRANSPORTATION		
REVISED TITLE BLOCK	STATE OF GEORGIA		
FINAL GEN. REVISION	CONSTRUCTION DETAIL		
BY	SERRATED SLOPE DETAIL		
DATE	BENCHING DETAIL		
	NO SCALE	JULY, 1981	
		NUMBER	
		S-7	

REVISION DATES		CONSTRUCTION DETAILS	
		SR 18 BRIDGE REPLACEMENT @ LONG CANE CREEK	
		TROUP COUNTY	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	40-0009	
CORRECTED:	DATE:		
VERIFIED:	DATE:		