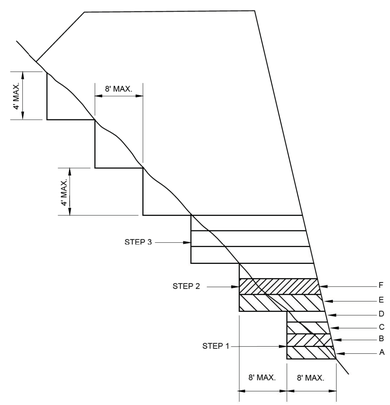
REVISED 9/29/2008



1. 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 CONSTRUCTED. (SEE DIAGRAM AT LEFT)

2. THE DIAGRAM SHOWS THAT BEFORE LAYER "A" IS PLACED, THE FIRST STEP (1) IS TO CUT INTO THE SLOPE A MAXIMUM DISTANCE OF ABOUT 8' (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 TO 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' IF AN 8' HORIZONTAL CUT IS MADE, THEN THE ACTUAL CUT STOPS WHEN THE VERTICAL PART REACHES A MAXIMUM OF 4' ALLOWING THE HORIZONTAL DISTANCE TO VARY.

3. 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 QUANTITIY OR PAYMENT WILL BE MADE FOR BENCHING.

BENCHING DETAIL

SCALE: NTS	WILLMER ENGINEERING INC. WE	GEOTECHNICAL ENGINEERING • CONSTRUCTION SERVICES ENVIRONMENTAL SERVICES AND ENGINEERING 3772 PLEASANTDALE ROAD - SUITE 165 ATLANTA, GA 30340-6270
DATE: 10/1/2014		
DRAWN BY: AC		
REVIEWED BY: TS		

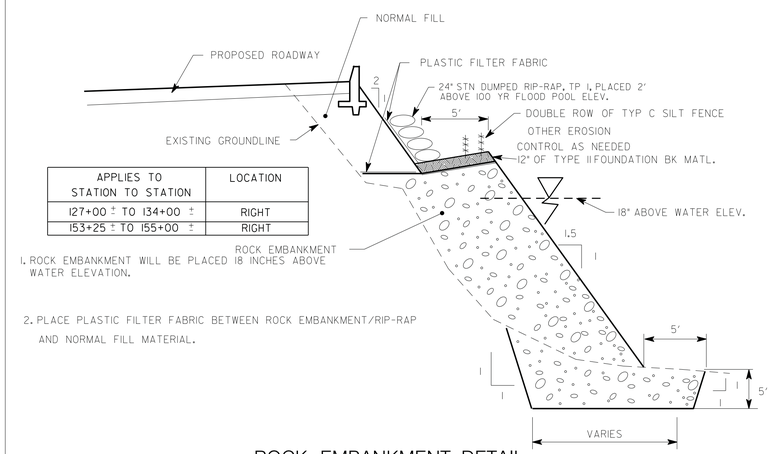
GDOT PROJECT NUMBER
BRST0-0076-01(036)
PI No. 232310

BENCHING DETAIL

SOIL SURVEY REPORT
SR 47 OVER LITTLE RIVER BRIDGE REPLACEMENT
LINCOLN AND COLUMBIA COUNTIES, GEORGIA
WILLMER PROJECT No. 71.3921

P:\3921 SR 47 over Little River\CADD\BENCHING_DETAIL.dwg

BRST0–0076–01(036) LINCOLN CO.



APPLIES TO STATION TO STATION	LOCATION
127+00 ± TO 134+00 ±	RIGHT
153+25 ± TO 155+00 ±	RIGHT

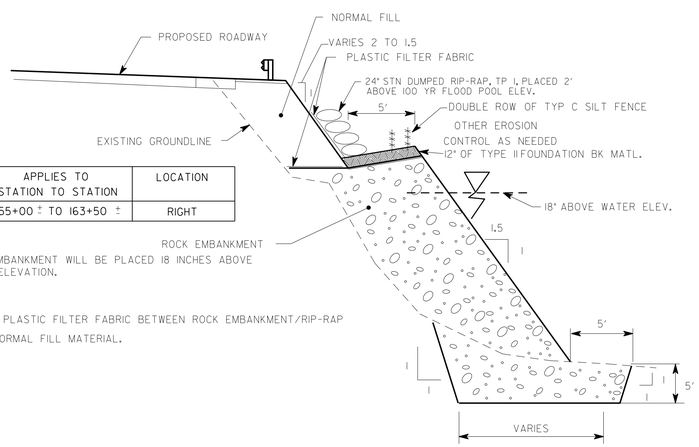
1. ROCK EMBANKMENT WILL BE PLACED 18 INCHES ABOVE WATER ELEVATION.

2. PLACE PLASTIC FILTER FABRIC BETWEEN ROCK EMBANKMENT/RIP-RAP AND NORMAL FILL MATERIAL.

ROCK EMBANKMENT DETAIL

NO SCALE

BRST0–0076–01(036) LINCOLN CO.



APPLIES TO STATION TO STATION	LOCATION
155+00 ± TO 163+50 ±	RIGHT

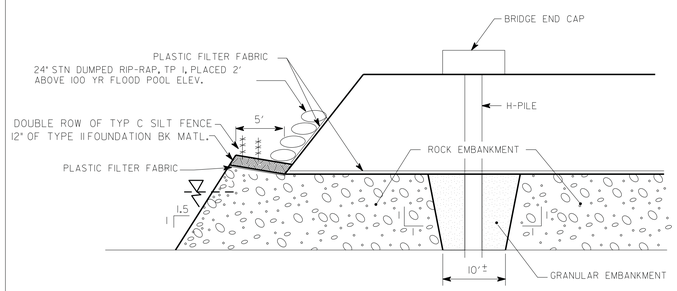
1. ROCK EMBANKMENT WILL BE PLACED 18 INCHES ABOVE WATER ELEVATION.

2. PLACE PLASTIC FILTER FABRIC BETWEEN ROCK EMBANKMENT/RIP-RAP AND NORMAL FILL MATERIAL.

ROCK EMBANKMENT DETAIL

NO SCALE

BRST0–0076–01(036) LINCOLN CO.



1. MATERIAL TO BE PLACED TO 18" ABOVE WATER LEVEL SHOULD BE ROCK EMBANKMENT, EXCEPT FOR THE AREAS IMMEDIATELY BENEATH THE ENDCAPS WHERE H-PILES WILL BE DRIVEN. AT THESE AREAS, GRANULAR EMBANKMENT SHOULD BE USED AS SHOWN.

ROCK EMBANKMENT AT ENDCAP DETAIL

NO SCALE

Baker
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY

GENERAL NOTES

STATE ROUTE 47

DRAWING No. 04-002