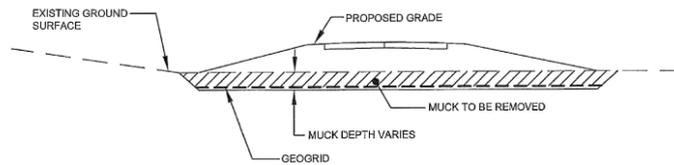


**GENERAL NOTES:**

1. REMOVE MUCK TO THE RECOMMENDED DEPTH AS SHOWN.
2. PLACE A LAYER OF GEOGRID ON THE EXCAVATED SURFACE AS SHOWN.
3. PLACE A MAT OF GRANULAR EMBANKMENT MATERIAL TO A HEIGHT OF 18 INCHES ABOVE THE WATER LEVEL.
4. PLACE NORMAL FILL ABOVE THE GRANULAR MATERIAL IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

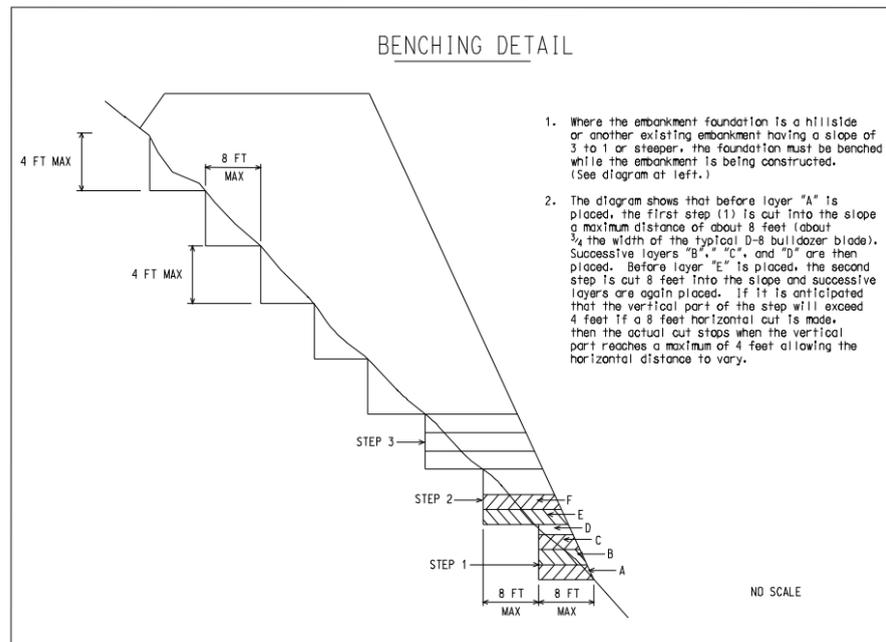


APPLIES TO STATION TO STATION	LOCATION	ESTIMATED MAXIMUM DEPTH
323+50± TO 324+50±	LEFT	48"
10+60± TO 13+60± (BOAT RAMP DRIVEWAY)	LEFT AND RIGHT	36"

**REMOVAL DETAIL**

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PI No. 0008651

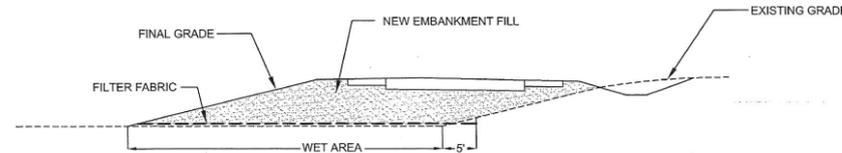
**BENCHING DETAIL**



1. Where the embankment foundation is 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 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 foot 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.

NO SCALE

APPLIES TO STATION TO STATION	LOCATION
278+50± TO 284+50±	LEFT
322+00± TO 323+50±	LEFT
324+50± TO 328+00±	LEFT



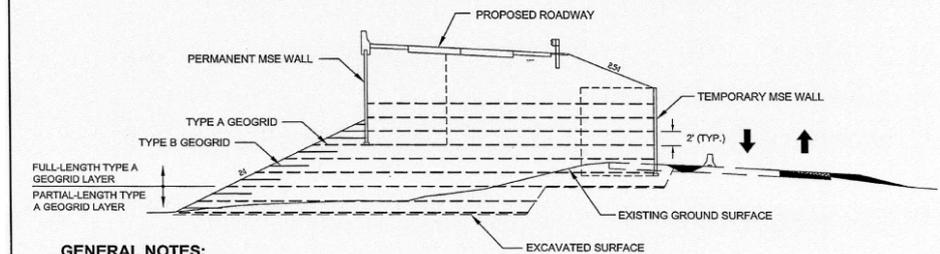
**GENERAL NOTES:**

1. FILTER FABRIC SHALL BE PLACED IN LOW WET AREAS WITHOUT ANY STANDING WATER, OR IF ANY STANDING WATER CAN BE DRAINED PRIOR TO FABRIC PLACEMENT.
2. ALL TREES, DEBRIS AND OTHER ORGANIC MATTER SHALL BE REMOVED PRIOR TO FILTER FABRIC PLACEMENT.
3. FILTER FABRIC SHALL BE PLACED IN APPLICABLE PORTIONS OF THE AREAS LISTED ABOVE, AS DIRECTED BY DESIGN BUILD TEAM ENGINEER.
4. FILTER FABRIC SHALL BE BENCHED INTO THE EXISTING SLOPE A MINIMUM OF 5 FEET.

**FILTER FABRIC DETAIL**

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PI No. 0008651

WEST APPROACH ROADWAY		EAST APPROACH ROADWAY	
APPLIES TO STATION TO STATION	MINIMUM NO. OF FULL-LENGTH GEOGRID LAYERS (TYPE A)	APPLIES TO STATION TO STATION	MINIMUM NO. OF FULL-LENGTH GEOGRID LAYERS (TYPE A)
288+50 TO 289+00	1	314+19 TO 315+50	7
289+00 TO 290+00	2	315+50 TO 316+00	5
290+00 TO 291+00	3	316+00 TO 317+00	3
291+00 TO 291+50	5	317+00 TO 318+00	2
291+50 TO 292+83.84	7	318+00 TO 319+50	1



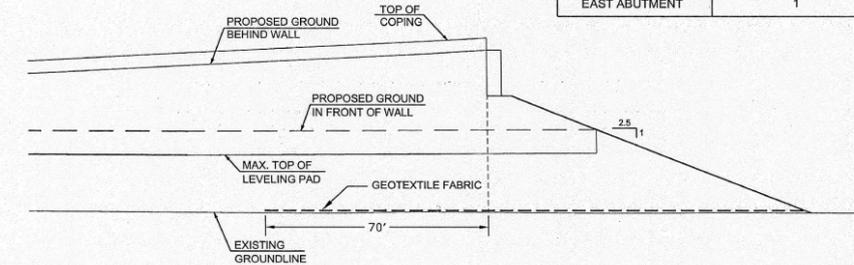
**GENERAL NOTES:**

1. EMBANKMENT SHALL BE REINFORCED USING TYPE A AND TYPE B GEOGRIDS IN ACCORDANCE WITH SPECIAL PROVISION 457-GEOGRID REINFORCED SLOPES.
2. ALL TREES, DEBRIS, AND OTHER ORGANIC MATTER SHALL BE REMOVED PRIOR TO GEOGRID PLACEMENT.
3. GEOGRID REINFORCEMENTS SHALL BE PLACED IN APPLICABLE PORTIONS OF WALL ALIGNMENT LISTED ABOVE, AS DIRECTED BY DESIGN BUILD TEAM ENGINEER.
4. GEOGRID REINFORCEMENT SHALL BE EXTENDED FROM THE EMBANKMENT SLOPE FACE OR BACK FACE OF THE PERMANENT MSE WALL TO THE BACK FACE OF THE TEMPORARY MSE WALL (AS SHOWN ABOVE).
5. PARTIAL-LENGTH GEOGRID LAYERS SHALL BE USED (AS SHOWN) WHERE A FLAT BASE CANNOT BE EXCAVATED DUE TO SITE CONSTRAINTS. PARTIAL-LENGTH GEOGRID LAYERS SHALL NOT BE COUNTED FOR THE MINIMUM NUMBER OF GEOGRID LAYER REQUIREMENT.
6. ONE LAYER OF TYPE B GEOGRID SHALL BE PLACED IN BETWEEN TYPE A GEOGRID LAYERS AS SHOWN. THE MINIMUM LENGTH OF TYPE B GEOGRID SHALL BE 4 FEET.
7. EROSION CONTROL MAT (COCONUT FIBER BLANKET OR JUTE MESH) SHALL BE INSTALLED ON ALL REINFORCED SLOPE FACES.

**SLOPE REINFORCEMENT DETAIL**

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APPLIES TO	NO. OF GEOTEXTILE FABRIC LAYERS
WEST ABUTMENT	1
EAST ABUTMENT	1



**GENERAL NOTES:**

1. EMBANKMENT SHALL BE REINFORCED USING GEOTEXTILE FABRIC AT BOTH END BENTS IN ACCORDANCE WITH SPECIAL PROVISION 881 - FABRICS.
2. ALL TREES, DEBRIS AND OTHER ORGANIC MATTER SHALL BE REMOVED PRIOR TO GEOTEXTILE FABRIC PLACEMENT.
3. GEOTEXTILE FABRIC SHALL BE PLACED AT APPLICABLE LOCATIONS LISTED ABOVE, AS DIRECTED BY DESIGN BUILD TEAM ENGINEER.
4. GEOTEXTILE FABRIC SHALL BE EXTENDED FROM THE EMBANKMENT SLOPE FACE TO 70 FEET BEHIND THE END BENT (AS SHOWN ABOVE).

**EMBANKMENT STABILIZATION DETAIL**

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CSSTP-0008-00(651)  
PI No. 0008651

**REVISION DATES**

NO.	DATE	DESCRIPTION

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE: INNOVATIVE PROGRAM DELIVERY  
**GENERAL NOTES**

**THE LPA GROUP**  
TRANSPORTATION CONSULTANTS  
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