PROJECT REFERENCE NO.	SHEET NO.
17BP.5.R.78	EC-04/CONST.04
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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ECOLOGICAL ENGINEERING

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

8/17/99

-L-

PI Sta 10+36.69	PI Sta 17+52.29
△ = 1° 14' 11.5" (RT)	△ = 8° 33' 09.3" (RT)
D = 1° 41' 06.6"	D = 4° 24' 26.5"
L = 73.38'	L = 194.05'
T = 36.69'	T = 97.21'
R = 3,400.00'	R = 1,300.00'

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 04

ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS

DESIGN STANDARDS IN SENSITIVE WATERSHEDS (15A NCAC 04B.0124 (b)-(e)) ARE INCORPORATED INTO NCDOT PROJECTS THAT OCCUR WITHIN OR UPSTREAM OF WATER BODIES THAT CONTAIN FEDERALLY PROTECTED AQUATIC SPECIES. WITHIN THE ENVIRONMENTALLY SENSITIVE AREAS, THE FOLLOWING SHAT APPLY:

- THE CONTRACTOR MAY PERFORM CLEARING OPERATIONS BUT NOT GRUBBING OPERATIONS UNTIL IMMEDIATELY PRIOR TO BEGINNING GRADING OPERATIONS.

- ONCE GRADING OPERATIONS BEGIN, WORK SHALL PROGRESS IN A CONTINUOUS MANNER UNTIL COMPLETE.

- EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE CLEARING OPERATION.

- SEEDING MULCHING SHALL BE PERFORMED ON THE AREAS DISTURBED BY CONSTRUCTION IMMEDIATELY FOLLOWING FINAL GRADE ESTABLISHMENT.

- SEEDING MULCHING SHALL BE DONE IN STAGES ON CUT AND FILL SLOPES THAT ARE GREATER THAN 20 FEET IN HEIGHT MEASURE ALONG THE SLOPE OR GREATER THAN TWO ACRES IN AREA, WHICHEVER IS LESS

SPECIAL SEDIMENT CONTROL FENCE AS INDICATED BY NCDOT STANDARD NO. 1606.01 (APPENDIX C) WILL BE INSTALLED ALONG THE TOP OF THE STREAM BANK. STANDARD SILT FENCE WILL BE INSTALLED ALONG THE TOE OF SLOPE PARALLEL TO THE STREAM. ONCE THE DISTURBED AREAS OF THE PROJECT DRAINING TO THE SPECIAL SEDIMENT CONTROL FENCE HAVE BEEN STABILIZED, THE SPECIAL SEDIMENT CONTROL FENCE AND ALL BUILT UP SEDIMENT ADJACENT TO THE FENCE WILL BE REMOVED TO NATURAL GROUND AND STABILIZED WITH APPROPRIATE SEED MIX. NATIVE GRASS MIX WILL BE USED ON THE FLOODPLAIN.

ALL APPROPRIATE SEDIMENTATION AND EROSION CONTROL MEASURES, THROUGHOUT THE PROJECT LIMITS, WILL BE CLEANED OUT WHEN HALF FULL WITH SEDIMENT, TO ENSURE PROPER FUNCTION OF THE MEASURES.

COIR FIBER MATTING WILL BE INSTALLED ON THE FOOTPRINT OF UNCLASSIFIED STRUCTURE EXCAVATION NEAR THE STREAMBANKS.

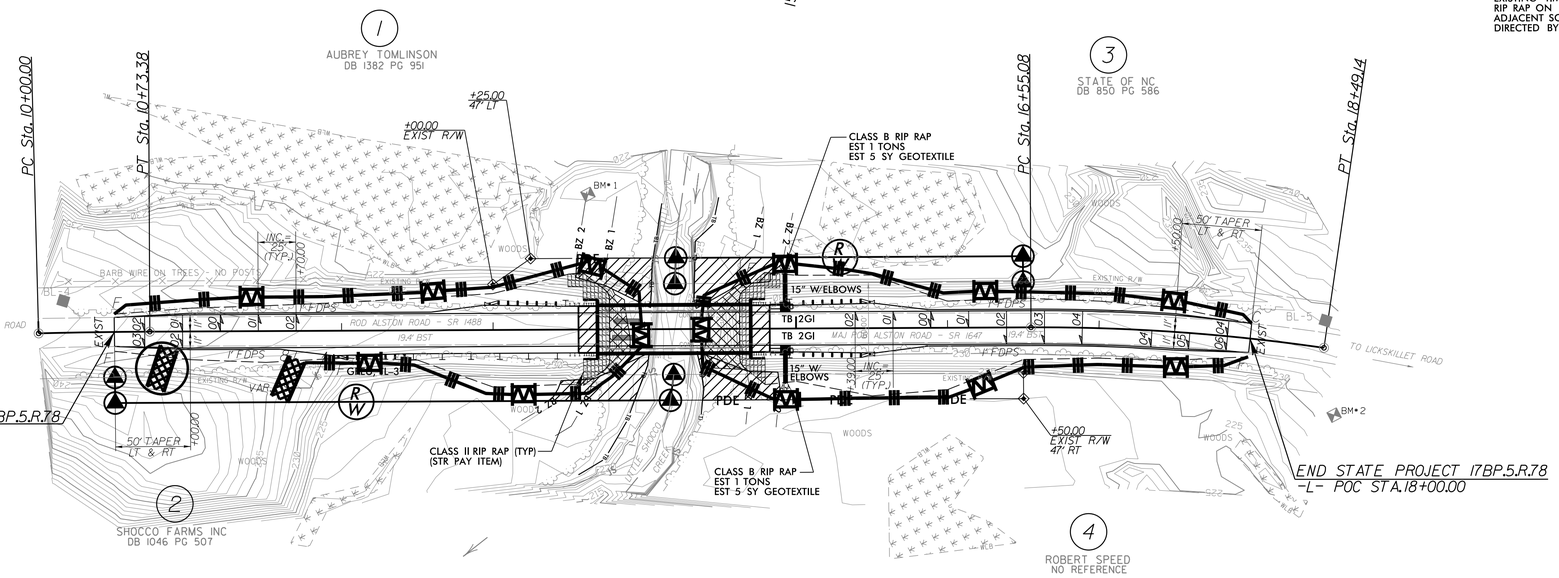
EMBANKMENT CONSTRUCTION AND GRADING SHALL BE MANAGED IN SUCH A MANNER AS TO PREVENT SURFACE RUNOFF/DRAINAGE FROM DISCHARGING UNTREATED INTO THE RIPARIAN BUFFER. INSTEAD ALL INTERIM SURFACES WILL BE GRADED TO DRAIN TO TEMPORARY EROSION CONTROL DEVICES. TEMPORARY BERMS, DITCHES, ETC. WILL BE INCORPORATED, AS NECESSARY, TO TREAT TEMPORARY RUNOFF BEFORE DISCHARGING INTO THE RIPARIAN BUFFER (AS SPECIFIED IN THE NCDOT BMP MANUAL).

THE RESIDENT ENGINEER, DIVISION ENVIRONMENTAL SUPERVISOR AND APPROPRIATE CONTRACTOR (OR SUBCONTRACTOR) PERSONNEL WILL VISIT THE SITE PRIOR TO ANY LAND DISTURBING ACTIVITIES (INCLUDING CLEARING/ GRUBBING OF VEGETATION AND/OR INSTALLATION OF EROSION CONTROL DEVICES) TO DETERMINE IF ANY TREES OR SHRUBS WITHIN THE PDE PORTIONS OF THE PROJECT LIMITS CAN BE LEFT IN PLACE AND NOT CUT, TRIMMED, CLEARED OR GRUBBED.

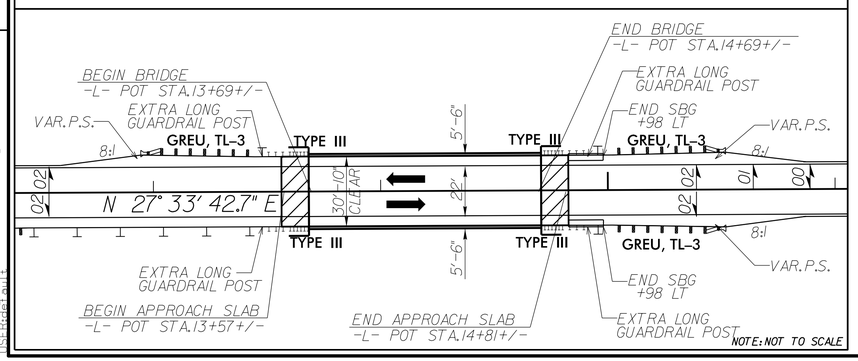
INSTALL +/- 200 SY COIR FIBER MATTING ON EXCAVATED BENCH UNDER BRIDGE

NAD 83/NA 2011

NOTE: THE CONTRACTOR IS TO COMPLETELY REMOVE THE EXISTING TIMBER ABUTMENTS/END BENTS. SOME OF THE EXISTING RIP RAP ON THE SOUTH STREAMBANK WILL BE PULLED INTO THE ADJACENT SCOUR HOLE UNDER THE BRIDGE DECK AS DIRECTED BY THE ENGINEER.



PAVEMENT-BRIDGE RELATIONSHIP SKETCH



FOR -L- PROFILE, SEE SHEET 5

FOR STRUCTURE PLANS, SEE SHEETS S-1 THRU S-15

12/4/2018
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