5/14/99

PROJECT REFERENCE NO.	SHEET NO.
B-5687	EC-5/CONST.4
R/W SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	

LEVEL III CERTIFIED BY:
ALEXANDER D SNIDER, PE
CERTIFICATION NUMBER: 3064
ISSUED: AUGUST 22, 2017

GRAPHIC SCALE
50 0 50 100

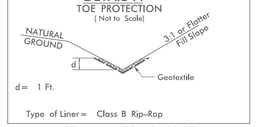
FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 4

NAD 83/NA 2011

EROSION CONTROL COMMITMENTS:

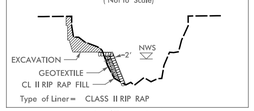
- IN AREAS IDENTIFIED AS ENVIRONMENTALLY SENSITIVE AREAS, THE CONTRACTOR MAY PERFORM CLEARING OPERATIONS BUT NOT GRUBBING OPERATION UNTIL IMMEDIATELY PRIOR TO BEGINNING GRADING OPERATIONS.
- ONCE GRADING OPERATIONS BEGIN IN IDENTIFIED ENVIRONMENTALLY SENSITIVE AREAS, WORK SHALL PROGRESS IN A CONTINUOIS MANNER UNTIL COMPLETE.
- IN AREAS IDENTIFIED AS ENVIRONMENTALLY SENSITIVE AREAS, EROSION CONTROL DEVICES SHALL BE INSTALLEDIMMEDIATELY FOLLOWING THE CLEARING OPERATION.
- IN AREAS IDENTIFIED AS ENVIRONMENTALLY SENSITIVE AREAS, "SEEDING MULCHING" SHALL BE PERFORMED ON THE AREAS DISTURBED BY CONSTRUCTION IMMEDIATELY FOLLOWING FINAL GRADE ESTABLISHMENT.
- IN AREAS IDENTIFIED AS ENVIRONMENTALLY SENSITIVE AREAS, 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 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 A NATIVE GRASS MIX.
- ALL SEDIMENTATION AND EROSION CONTROL MEASURES, THROUGHOUT THE PROJECT LIMITS, WILL BE CLEANED OUT WITH 1/2 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 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, ECT. WILL INCORPORATED, AS NECESSARY, TO TREAT TEMPORARY RUNOFF BEFORE DISCHARGING IN TO THE RIPARIAN BUFFER (AS SPECIFIED IN THE NCDOT BMP MANUAL).

DETAIL A
TOE PROTECTION
(Not to Scale)



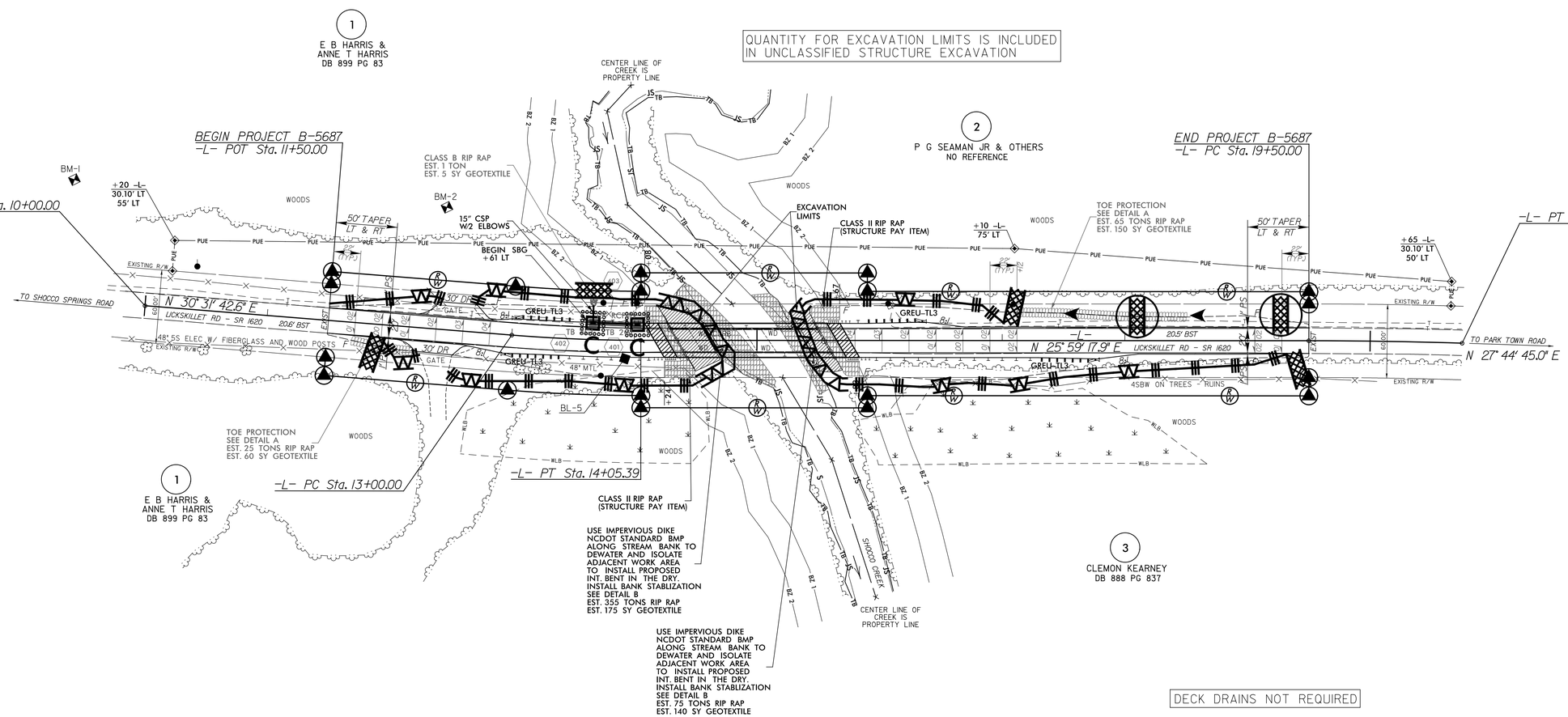
-L- STA. 11+70 TO 12+20 RT
-L- STA. 17+10 TO 18+50 LT

DETAIL B
BANK STABILIZATION
(Not to Scale)



-L- STA. 14+70
-L- STA. 15+35

QUANTITY FOR EXCAVATION LIMITS IS INCLUDED IN UNCLASSIFIED STRUCTURE EXCAVATION



DECK DRAINS NOT REQUIRED

IMPERVIOUS DIKE SHALL BE CONSIDERED INCIDENTAL TO THE REMOVAL OF THE EXISTING STRUCTURE

NOTE:
ALL EROSION CONTROL DEVICES SHOWN ARE LOCATED WITHIN EXISTING/PROPOSED R/W OR EASEMENT.

NOTE:
UTILIZE SPECIAL STILLING BASINS FOR DRILLED PIERS