REVISION RECORD		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

NORTH

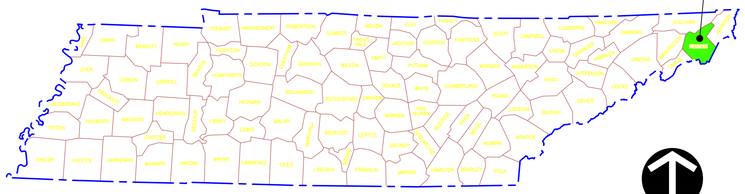
WATAUGA RIVER SLOPE STABILIZATION PLAN CONSTRUCTION DRAWINGS

SYCAMORE SHOALS STATE PARK (GREENE PROPERTY)

ELIZABETHTON, TENNESSEE

MAY 2025

SITE LOCATION



NORTH
N.T.S.

SITE LOCATION MAP
NOT TO SCALE

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
C000	COVER
C001	GENERAL NOTES
C100	EXISTING CONDITIONS
C300	PROPOSED GRADING
C301	EPSC PLAN
C600	DETAILS
C601	DETAILS (2)
C602	DETAILS (3)
C710	POINT TABLE

STANDARD DETAIL CALLOUT

1 — DETAIL REFERENCED
6 — SHEET WHERE DETAIL IS PRESENTED

STANDARD REVISION CALLOUT

1 — SHEET SET REVISION NUMBER

ISSUED FOR CONSTRUCTION
DATE: 05/12/25 BY: DW

DIRK WRIEDT REGISTERED ENGINEER AGRICULTURE No. 121813 STATE OF TENNESSEE

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

DRAWN BY:	DW	CHECKED BY:	AQ	APPROVED BY:	DW
DATE:	MAY 2025	DWG SCALE:	N/A	PROJECT NO:	

COVER

DRAWING NO.: C000

SHEET 1 OF 9

REVISION RECORD		
NO	DATE	DESCRIPTION
1		
2		
3		
4		
5		

PURPOSE NOTE

THE PURPOSE OF THIS PROJECT IS TO (A) STABILIZE THE EASTERN SHORE OF THE WATAUGA RIVER IN THE VICINITY OF THE SYCAMORE SHOALS STATE PARK, AND (B) CREATE AN OBSERVATION AREA AS INDICATED ON THE DRAWINGS USING EXCAVATED MATERIAL. DURING THIS PROJECT, IT IS IMPERATIVE THAT NO SEDIMENT ENTER THE WATAUGA RIVER DURING CONSTRUCTION ACTIVITIES.

GENERAL NOTES

1. ANY MODIFICATIONS TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE AND ENGINEER.
2. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO LEGAL ENFORCEMENT ACTION.
3. SITE IS TO BE CONSTRUCTED IN A MANNER THAT REDUCES DISRUPTION TO NEIGHBORING OPERATIONS TO MAXIMUM EXTENT POSSIBLE. TEMPORARY MEASURES REQUIRED TO FACILITATE DAILY OPERATIONS DURING THE CONSTRUCTION PERIOD SHALL BE IMPLEMENTED BY THE CONTRACTOR; UNDER NO CIRCUMSTANCES SHOULD IMPLEMENTATION OF THESE MEASURES JEOPARDIZE THE SAFETY OF NEIGHBORING EMPLOYEES OR THE CONTRACTOR.
4. ALL TRENCHINC AND BACKFILLING SHALL BE IN ACCORDANCE WITH ALL FEDERAL OSHA REGULATIONS. CONTRACTOR TO PAY PARTICULAR ATTENTION TO 29 CFR PART 1926, SUBPARTS M AND P.
5. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS AND PAY ALL REQUIRED FEES PRIOR TO BEGINNING WORK. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
6. CONTRACTOR SHALL REFER TO PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
7. BEFORE INSTALLATION OF UTILITIES, THE CONTRACTOR SHALL VERIFY ALL CROSSINGS, BY EXCAVATION WHERE NECESSARY, AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT HE IS NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
8. A GEOTECHNICAL INVESTIGATION FOR THE ENTIRE PROJECT AREA WAS NOT CONDUCTED.

SURVEY NOTES

1. SURVEY NOTES ARE DETAILED ON OTHER PLAN SHEETS WITHIN THIS CONSTRUCTION SET.

LAYOUT NOTES

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.

GRADING NOTES

1. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDERCUT AND REPLACEMENT, AND COMPACTION IF REQUIRED.
2. CONTRACTOR SHALL STRICTLY ADHERE TO THE CQA PLAN PREPARED FOR THIS PROJECT AND THE EROSION PREVENTION & SEDIMENT CONTROL (EPSC) MEASURES DETAILED IN THESE DRAWINGS.
3. EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH TDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION SECTION 203.
4. EXCESS SOIL MATERIALS SHALL NOT BE PLACED OR STOCKPILED IN THE FLOODPLAIN.
5. CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
6. ALL AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE EPSC PLANS AND/OR EPSC MEASURES DETAILED IN THESE DRAWINGS, UNLESS NOTED OTHERWISE.
7. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.

UTILITY NOTES

1. THE CONTRACTOR IS PARTICULARLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON IS BASED ON TOPOGRAPHIC SURVEYS AND RECORD DRAWINGS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION AS BEING EXACT OR COMPLETE. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION AND REQUEST FIELD VERIFICATION OF UTILITY LOCATIONS.
2. SHOULD THE CONTRACTOR UNEXPECTEDLY ENCOUNTER UNDERGROUND UTILITIES AT ANY TIME DURING CONSTRUCTION, THE OWNER'S REPRESENTATIVE AND ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
3. EXISTING UTILITIES LOCATED IN THE PROJECT LIMITS TO BE RELOCATED BY OTHERS. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR UTILITY RELOCATION.
4. INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES, GAS LINES, AND UNDERGROUND ELECTRIC AND COMMUNICATION LINES DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE SO THAT UTILITIES ARE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
6. ALL TRENCH SPOILS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL EROSION PREVENTION AND SEDIMENT CONTROL PROVISIONS AS SET FORTH IN THE CONTRACT DOCUMENTS AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION "EROSION AND SEDIMENT CONTROL HANDBOOK", LATEST EDITION. WHERE CONFLICTS EXIST BETWEEN HANDBOOK AND DESIGN PLANS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
2. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES AND CONSTRUCTION TRAFFIC TO INSIDE LIMITS OF DISTURBANCE AT ALL TIMES.
3. TEMPORARY STABILIZATION SHALL BE PROVIDED TO ALL DISTURBED AREAS WITHIN 14 DAYS OF CEASING LAND DISTURBANCE ACTIVITIES.
4. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED (I.E. CLEARING AND GRUBBING INITIATED) MORE THAN 14 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING ACTIVITIES UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
5. CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.
6. ALL DISTURBED AREAS SHALL BE PROPERLY STABILIZED AS SOON AS PRACTICABLE. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL MEASURES OVER TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ON ALL PROJECTS. SURFACE ROUGHENING SHALL BE PERFORMED ON ALL DISTURBED RIPARIAN AREAS.
7. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED CONCURRENTLY WITH CLEARING OPERATIONS, AND SHALL BE FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS.
8. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) INSPECTION, REPAIR, AND MAINTENANCE OF STRUCTURES IS TO BE PERFORMED ON A REGULAR BASIS AND SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EROSION PREVENTION AND SEDIMENT CONTROL STRUCTURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S OWN EXPENSE.
9. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS.
10. SEEDING/MULCHING TO BE PERFORMED IN ACCORDANCE WITH THE TDOT STANDARDS SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION SECTION 801.
11. WOODEN STAKES USED TO ANCHOR THE ECM SHALL NOT EXTEND MORE THAN 1/2" ABOVE GRADE.
12. WATER PUMPED FROM WORK AREAS AND EXCAVATION MUST BE HELD IN SETTLING BASINS OR TREATED BY FILTRATION PRIOR TO ITS DISCHARGE INTO SURFACE WATERS. WATER MUST BE HELD IN SETTLING BASINS UNTIL AT LEAST AS CLEAR AS THE RECEIVING WATERS. SETTLING BASINS SHALL NOT BE LOCATED CLOSER THAN 20 FEET FROM THE TOP BANK OF A STREAM. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED ACCORDING TO THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL-VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.
13. CHECK DAMS SHALL BE USED WHERE RUNOFF IS CONCENTRATED. CLEAN ROCK, BRUSH, GABION, OR SANDBAG CHECK DAMS SHALL BE PROPERLY CONSTRUCTED TO REDUCE WATER FLOW VELOCITY AND PROVIDE EROSION CONTROL.
14. INSPECTION OF EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE DONE ACCORDING TO THE TENNESSEE CONSTRUCTION GENERAL PERMIT.
15. UPON CONCLUSION OF THE INSPECTIONS, EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE INSPECTION OR WHEN THE CONDITION IS IDENTIFIED. IF THE REPAIR, REPLACEMENT OR MODIFICATION IS NOT PRACTICAL WITHIN THE TIMEFRAME, WRITTEN DOCUMENTATION MUST BE PROVIDED IN THE FIELD BOOK AND AN ESTIMATED REPAIR, REPLACEMENT OR MODIFICATION SCHEDULE SHALL BE DOCUMENTED WITHIN 24 HOURS AFTER IDENTIFICATION.
16. THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S. IS PROHIBITED, EXCEPT AS NEEDED TO PERFORM STREAM RESTORATION WORK AS DIRECTED BY THE ENGINEER.
17. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S.
18. THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.
19. THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN IN ACCORDANCE WITH THE SPECIFICATIONS.

ISSUED FOR CONSTRUCTION

DATE: 05/12/25 BY: DW

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

DRAWN BY:	DW	CHECKED BY:	AQ	APPROVED BY:	DW
DATE:	MAY 2025	DWG SCALE:	N/A	PROJECT NO:	

GENERAL NOTES

DRAWING NO.: C001

SHEET 2 OF 9

NORTH

SCALE IN FEET

0 80 160

GENERAL NOTES:

1. BEARINGS AND COORDINATES ARE BASED ON THE TENNESSEE STATE PLANE COORDINATE SYSTEM (NAD83)(2011).

2. BEARINGS AND DISTANCES FOR THE SUBJECT PROPERTY BOUNDARY ARE SHOWN HEREON PER THE CURRENT DEED OF RECORD FOUND IN DEED BOOK 237, PAGE 362.

3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88),

4. CONTOURS ARE SHOWN AT 2 FOOT INTERVALS.

5. GPS SURVEY DATA
(A) TYPE OF GPS SURVEY: RTK & OPUS
(B) POSITIONAL ACCURACY: 0.05 FEET
(C) COMPLETION DATE OF SURVEY: JANUARY 06, 2021
(D) DATUM/EPOCH: NAD83(2011) EPOCH 2010.00
(E) PUBLISHED/FIXED CONTROL USED: NGS PID'S DJ9532, DN7506, & DL2080
(F) GEOID MODEL: GEOID 18
(G) COMBINED GRID FACTOR: 0.99992241

6. ALL DEED BOOK AND PLAT REFERENCES PERTAIN TO THE REGISTER'S OFFICE FOR CARTER COUNTY, TENNESSEE.

7. PROPERTY LINES SHOWN WERE PLOTTED FROM INFORMATION TAKEN FROM EITHER DEED DESCRIPTION, PLATS, OR TAX MAPS.

8. THIS DRAWING IS NOT INTENDED TO BE USED AS OR REPRESENT A GENERAL PROPERTY SURVEY AS DEFINED BY T.C.A. 0820-03-.07.

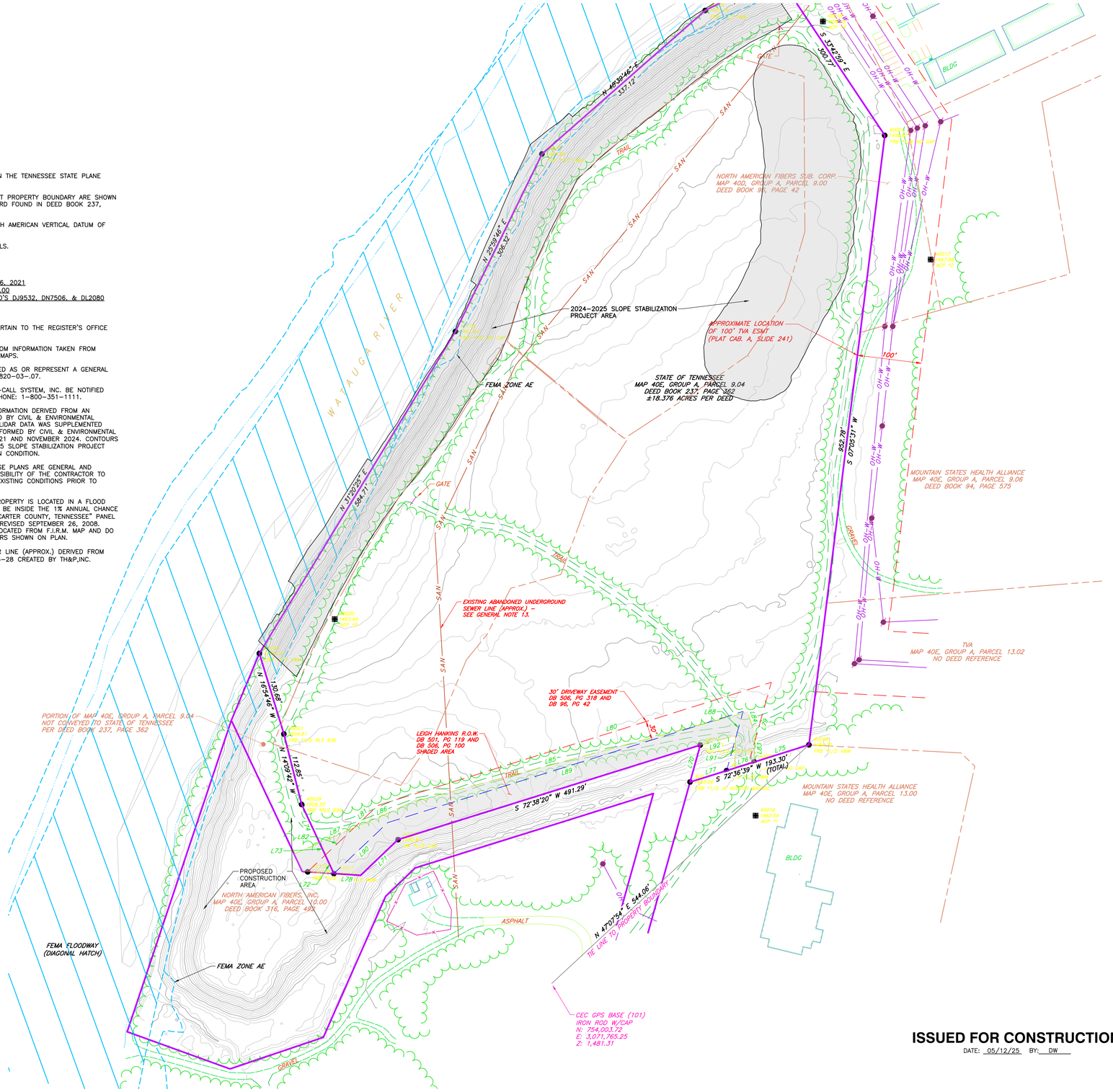
9. IT IS RECOMMENDED THAT TENNESSEE ONE-CALL SYSTEM, INC. BE NOTIFIED BEFORE ANY EXCAVATION IS CONDUCTED. PHONE: 1-800-351-1111.

10. EXISTING CONTOURS AND TOPOGRAPHIC INFORMATION DERIVED FROM AN UNMANNED AERIAL LIDAR FLIGHT PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. ON JANUARY 6, 2021. LIDAR DATA WAS SUPPLEMENTED WITH RIVER/RIVERBANK SURVEY SHOTS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. ON AUGUST 23-24, 2021 AND NOVEMBER 2024. CONTOURS THAT CHANGED AS PART OF THE 2024/2025 SLOPE STABILIZATION PROJECT ARE DEPICTED IN THEIR PRE-CONSTRUCTION CONDITION.

11. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION ON THIS PROJECT.

12. AS SHOWN HEREON, A PORTION OF THE PROPERTY IS LOCATED IN A FLOOD HAZARD ZONE "AE" (AREAS DETERMINED TO BE INSIDE THE 1% ANNUAL CHANCE FLOODPLAIN) ACCORDING TO F.I.R.M. MAP "CARTER COUNTY, TENNESSEE" PANEL 160 OF 400, MAP NUMBER 47019C0160E. REVISED SEPTEMBER 26, 2008. FLOODWAY AND HAZARD ZONES WERE GEOLOCATED FROM F.I.R.M. MAP AND DO NOT NECESSARILY CORRELATE WITH CONTOURS SHOWN ON PLAN.

13. EXISTING ABANDONED UNDERGROUND SEWER LINE (APPROX.) DERIVED FROM PDF "TOPOGRAPHIC OF LANDFILL" DWG. #86-28 CREATED BY TH&P,INC. SEPTEMBER 01, 1987.



Line Table		
Line #	Length	Direction
L1	88.94	S72°36'39"W
L2	31.71	S72°36'39"W
L3	72.65	S72°36'39"W
L4	59.58	N15°33'59"E
L5	80.13	S46°12'47"W
L6	41.65	N86°11'13"W
L7	31.62	N24°59'51"W
L8	20.97	N24°59'51"W
L9	65.61	N24°59'51"W
L10	131.06	N15°34'04"E
L11	639.70	S72°37'14"W
L12	49.85	S46°35'05"W
L13	61.98	S46°35'05"W
L19	95.32	N15°34'04"E
L20	577.57	S72°37'14"W
L21	114.87	S46°35'05"W
L14	43.11	N01°33'38"E
L15	36.27	N18°32'51"W
L16	537.67	S74°57'07"W
L17	98.98	S66°21'04"W
L18	58.82	S66°21'04"W
L22	50.41	N01°33'38"E
L23	56.66	S74°57'07"W

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING ADJACENT PROPERTY LINE
- EXISTING EASEMENT
- 1500 EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER (AS OF AUGUST 23-24, 2021)
- OH-W EXISTING OVERHEAD WIRE
- EXISTING FENCE
- EXISTING TREELINE
- IRON PIN FOUND
- AERIAL CONTROL POINT
- GPS STATION
- UTILITY POLE
- GUY WIRE

REVISION RECORD

NO	DATE	DESCRIPTION
1		
2		
3		
4		
5		

ISSUED FOR CONSTRUCTION

DATE: 05/12/25 BY: DW

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

DRAWN BY:	DW	CHECKED BY: AQ	APPROVED BY: DW
DATE:	MAY 2025	DWG SCALE:	PROJECT NO:

EXISTING CONDITIONS

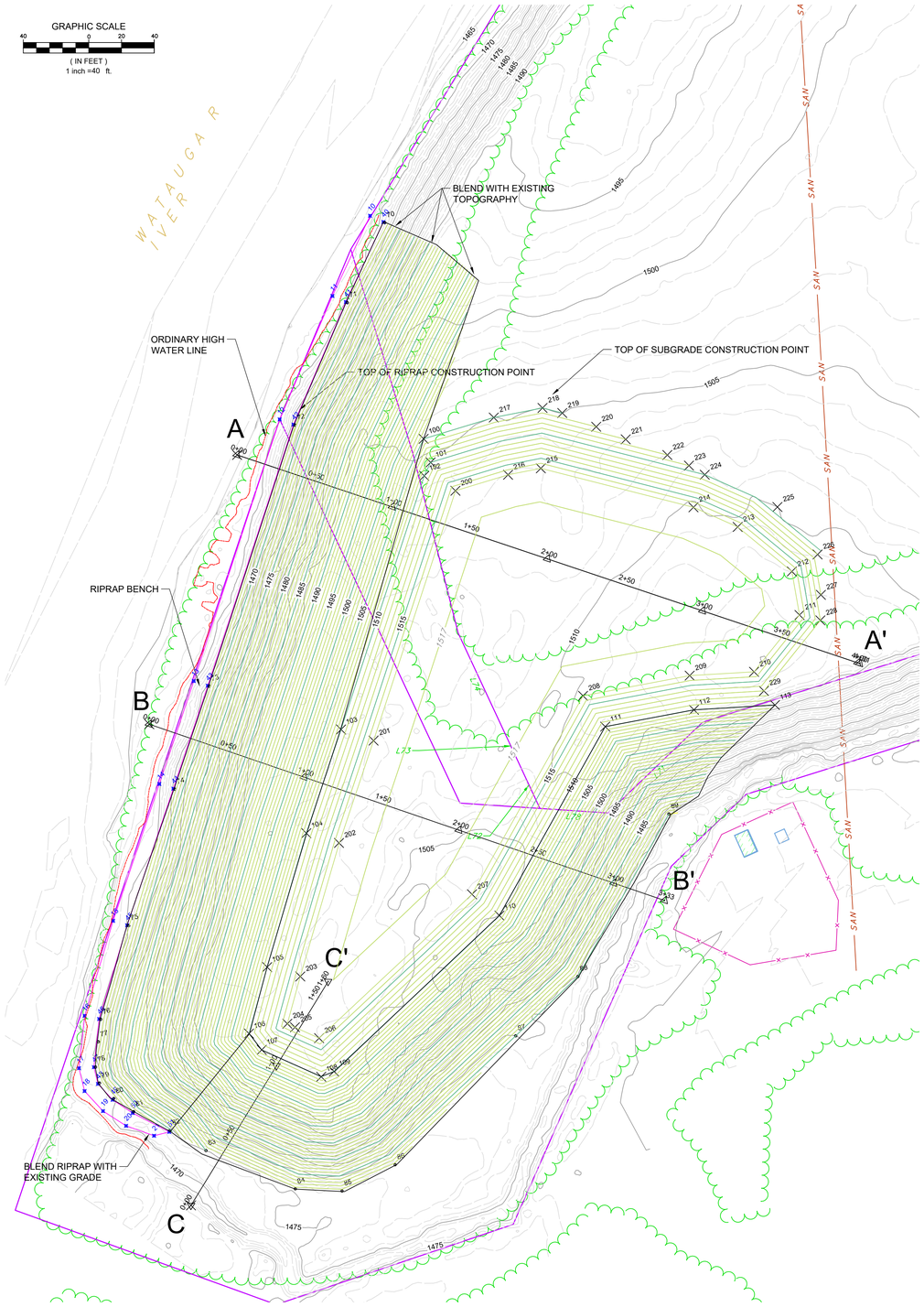
DRAWING NO.: C100

SHEET 3 OF 9

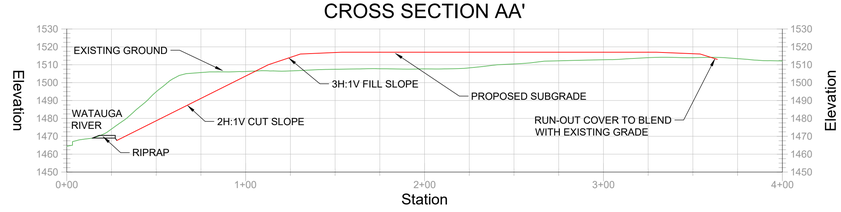
REVISION RECORD		
NO	DATE	DESCRIPTION
1		
2		
3		
4		
5		

NORTH

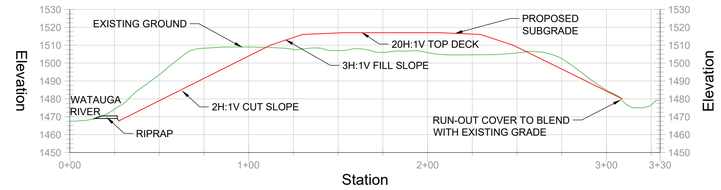
GRAPHIC SCALE
40 0 20 40
(IN FEET)
1 inch =40 ft.



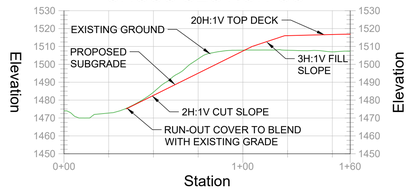
CROSS SECTION AA'



CROSS SECTION BB'



CROSS SECTION CC'



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING ADJACENT PROPERTY LINE
- EXISTING EASEMENT
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER (AS OF AUGUST 23-24, 2021)
- OH-W — EXISTING OVERHEAD WIRE
- EXISTING FENCE
- PROPOSED SUBGRADE INDEX CONTOUR
- PROPOSED SUBGRADE INTERMEDIATE CONTOUR

ISSUED FOR CONSTRUCTION
DATE: 05/12/25 BY: DW

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

DRAWN BY:	DW	CHECKED BY:	AQ	APPROVED BY:	DW
DATE:	MAY 2025	DWG SCALE:		PROJECT NO:	

PROPOSED GRADING

DRAWING NO.: C300

SHEET 4 OF 9

NORTH

SCALE IN FEET
0 40 80

REVISION RECORD		
NO	DATE	DESCRIPTION
1		
2		
3		
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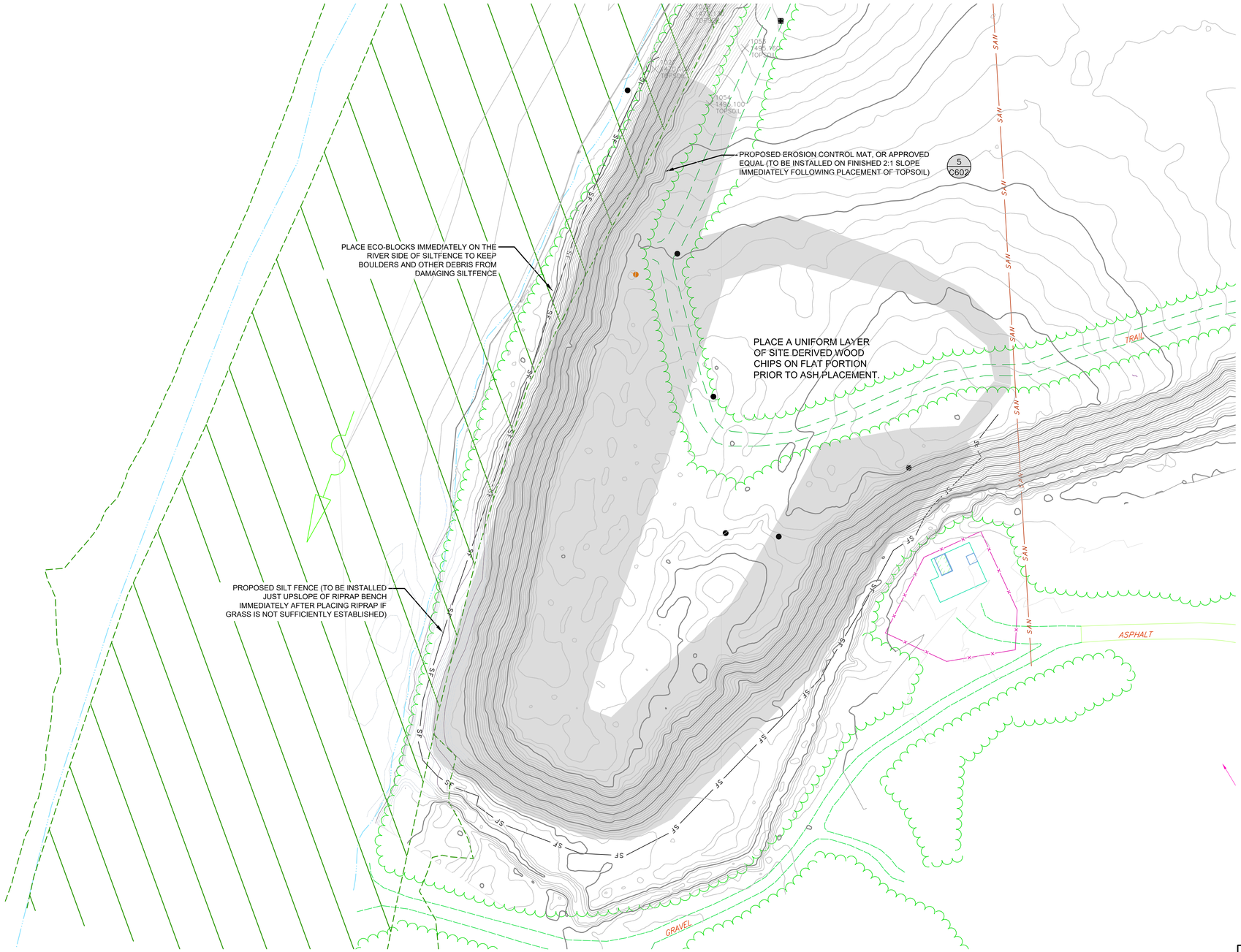


LEGEND:

- EXISTING PROPERTY LINE
- EXISTING ADJACENT PROPERTY LINE
- EXISTING EASEMENT
- 1500 EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER (AS OF AUGUST 23-24, 2021)
- OH-W EXISTING OVERHEAD WIRE
- EXISTING FENCE
- EXISTING TREELINE
- 1500 PROPOSED TOPSOIL/STOCKPILE INDEX CONTOUR
- PROPOSED TOPSOIL/STOCKPILE INTERMEDIATE CONTOUR
- 1500 PROPOSED RIPRAP INDEX CONTOUR
- PROPOSED RIPRAP INTERMEDIATE CONTOUR
- PROPOSED EROSION CONTROL MAT
- SF PROPOSED SILT FENCE
- UTILITY POLE
- GUY WIRE

ISSUED FOR CONSTRUCTION
DATE: 05/12/25 BY: DW

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

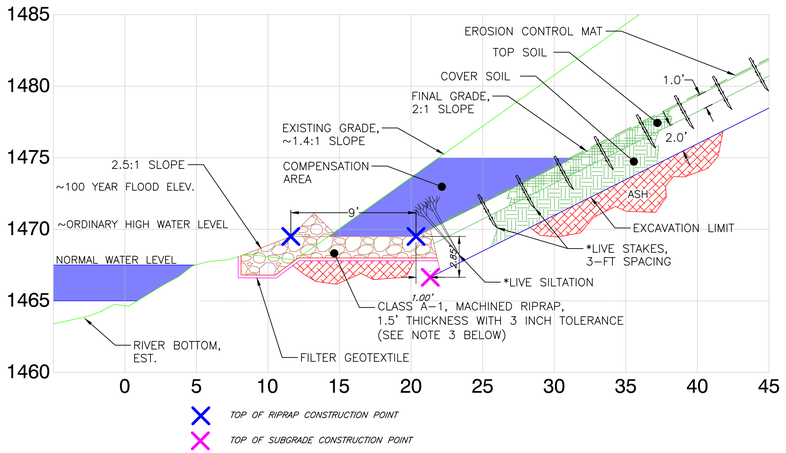
DRAWN BY:	DW	CHECKED BY:	AQ	APPROVED BY:	DW
DATE:	MAY 2025	DWG SCALE:	1"=40'	PROJECT NO:	

EPSC PLAN

DRAWING NO.: C301

SHEET 5 OF 9

REVISION RECORD		
NO	DATE	DESCRIPTION
1		
2		
3		
4		
5		

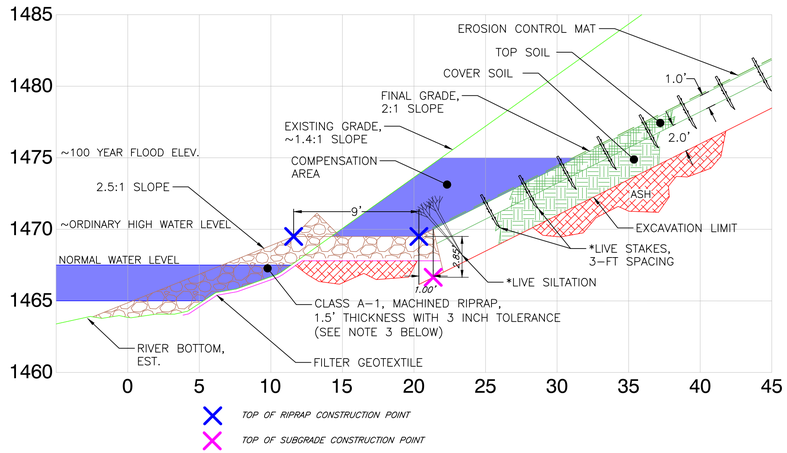


1 TYPICAL LONGITUDINAL STONE TOE - WITH KEY

N.T.S.

***LIVE SILTATION/ STAKES**

LIVE SILTATION (MIN. 25 BRANCHES OF LIVE CUTTINGS OF MIXED SPECIES PER THREE (3) LINEAR FEET)	FIRST ROW
LIVE STAKES	REST OF BANK



2 TYPICAL LONGITUDINAL STONE TOE - WITHOUT KEY

N.T.S.

NOTES:

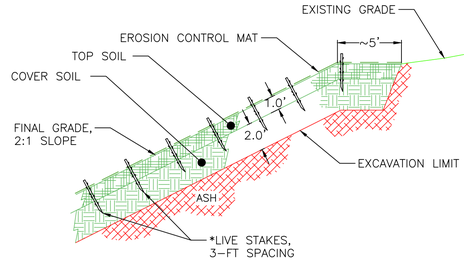
1. KEY IN RIPRAP WHERE RIPRAP TOE IS ABOVE WATER LEVEL AT TIME OF EXCAVATION.
2. PLACE GEOTEXTILE AND RIPRAP ON THE SAME DAY AS EXCAVATION.
3. MACHINED RR, CLASS A-1, SEC. 709-02, 709-03-3a

100-YR FLOOD ELEVATION
NORTH END OF SITE = ~1472.4 FT +MSL (APPROX)
SOUTH END OF SITE = ~1471.2 FT +MSL (APPROX)

ORDINARY HIGH WATER LEVEL
NORTH END OF SITE = ~1469 FT +MSL (APPROX)
SOUTH END OF SITE = ~ 1468 FT +MSL (APPROX)

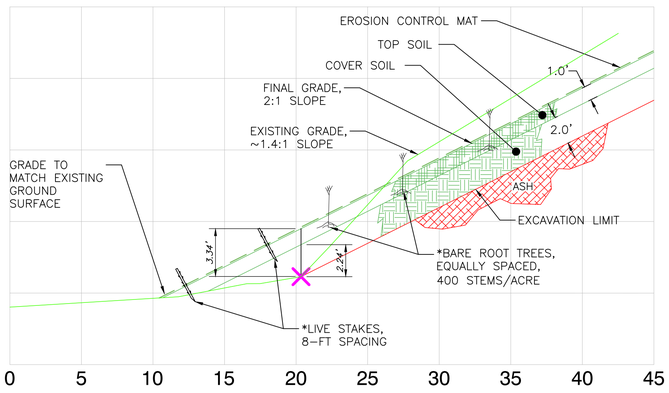
NORMAL WATER LEVEL
1465 FT +MSL (APPROX)

ASSUMED RIVER BOTTOM
NORTH END OF SITE= 1463 FT +MSL (APPROX)
SOUTH END OF SITE =1462 FT +MSL (APPROX)



3 TOP OF EXCAVATION SLOPE TIE-IN TO EXISTING GRADE

N.T.S.

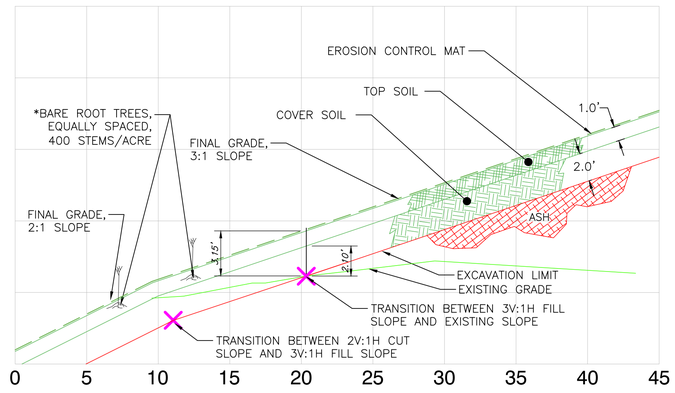


4 TYPICAL EXCAVATION TOE OUTSIDE OF FLOOD PLAIN

N.T.S.

***LIVE STAKES & BARE ROOT TREES**

LIVE STAKES	FIRST TWO ROWS
BARE ROOT TREES, EVENLY SPACED 400 STEMS/ACRE	REST OF 2V:1H BANK



5 TYPICAL ASH FILL COVER TOE

N.T.S.

NOTES:

1. ANY SOIL REQUIRED FROM OFFSITE SOURCES WILL BE RESPONSIBILITY OF CONTRACTOR.
2. CONTRACTOR TO SUBMIT SAMPLE OF CLAY-LIKE MATERIAL TO DESIGN ENGINEER PRIOR TO APPROVAL.
3. NO LIVE STAKES OR TREES ON SLOPES FLATTER THAN 2H:1V. 3H:1V SLOPES AND FLATTER TO BE SEEDED ONLY.

ISSUED FOR CONSTRUCTION
DATE: 05/12/25 BY: DW

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

DRAWN BY:	DW	CHECKED BY:	AQ	APPROVED BY:	DW
DATE:	MAY 2025	DWG SCALE:	N.T.S.	PROJECT NO:	

DETAILS

DRAWING NO.: C600

SHEET 6 OF 9

REVISION RECORD		
NO	DATE	DESCRIPTION
1		
2		
3		
4		
5		

CONSTRUCTION SPECIFICATIONS FOR LIVE SILTATION/STAKES

1. HARVESTING:
   - A. LIVE SILTATION/STAKES MUST CONSIST OF A COMBINATION OF SPECIES LISTED IN THE PLANT SCHEDULE ON THIS SHEET. FIRST ROW (LIVE SILTATION) TO BE A FASCINE OF 25 BRANCHES (MINIMUM) PER THREE (3) LINEAR FEET.
   - B. STAKES SHOULD BE HARVESTED AND PLANTED WHEN THE WILLOWS OR OTHER CHOSEN SPECIES ARE DORMANT. THIS PERIOD IS GENERALLY FROM LATE FALL TO EARLY SPRING, OR BEFORE THE BUDS START TO BREAK.
   - C. WHEN HARVESTING CUTTINGS, SELECT HEALTHY, LIVE WOOD THAT IS REASONABLY STRAIGHT.
   - D. USE LIVE WOOD AT LEAST 1 YEAR OLD OR OLDER. THE BEST WOOD IS 2 TO 5 YEARS OLD WITH SMOOTH BARK THAT IS NOT DEEPLY FURROWED.
   - E. MAKE CLEAN CUTS WITH UNSPLIT ENDS. TRIM BRANCHES FROM CUTTING AS CLOSE AS POSSIBLE. CUT THE BUTT END OF THE CUTTING AT AN ANGLE (~45 DEGREES) AND THE TOP END PERPENDICULAR (90 DEGREES)
   - F. THE TOP (SQUARE CUT END) SHOULD BE PAINTED AND SEALED BY DIPPING THE TOP 1–INCH TO 2–INCHES INTO A 50–50 MIX OF LIGHT COLORED LATEX PAINT AND WATER. ASSSURE THE STAKES ARE PLANTED WITH THE TOP UP.
   - G. CUTTINGS SHOULD GENERALLY BE BETWEEN 0.75–INCHES TO 2–INCHES IN DIAMETER BUT CAN BE LARGER DEPENDING ON THE SPECIES. LARGER DIAMETER CUTTINGS ARE NEEDED FOR PLANTING INTO ROCK RIPRAP.
   - H. CUTTINGS OF SMALL DIAMETER (UP TO 1.5–INCHES) SHOULD BE 18 INCHES LONG MINIMUM. THICKER CUTTINGS SHOULD BE LONGER.
   - I. STAKES SHOULD BE CUT SO A TERMINAL BUD SCAR IS WITHIN 1–INCH TO 4–INCHES OF THE TOP. AT LEAST TWO BUDS AND/OR BUD SCARS SHOULD BE ABOVE THE GROUND AFTER PLANTING.
   - J. SPECIES SELECTION/COMPOSITON SUBJECT TO LOCAL NURSERY AVAILABILITY AT TIME OF PLANTING.
2. INSTALLATION:
   - A. STAKES MUST BE PLANTED WITH BUTT–ENDS INTO THE GROUND. LEAF BUD SCARS OR EMERGING BUDS SHOULD ALWAYS POINT UP. LIVE BRANCH CUTTINGS SHALL BE PLACED WITH BASAL ENDS DOWN.
   - B. USE AN IRON STAKE OR BAR TO MAKE A PILOT HOLE IN FIRM SOIL OR BETWEEN RIPRAP. DRIVE LIVE STAKES INTO THE SOIL WITH A RUBBER MALLET OR DEAD–BLOW HAMMER.
   - C. STAKES/SILTATION MUST NOT BE ALLOWED TO DRY OUT. THE CUTTINGS NOT PLANTED THE DAY THEY ARE HARVESTED SHOULD BE SOAKED IN WATER FOR A MINIMUM OF 24 HOURS.
   - D. SET THE STAKE AS DEEP AS POSSIBLE INTO THE SOIL, PREFERABLY WITH 80 PERCENT OF ITS LENGTH BURIED BUT NO LESS THAN ONE–HALF OF THE TOTAL LENGTH BURIED.
   - E. TAMP THE SOIL AROUND THE CUTTING.
   - F. FOR LIVE SILTATION ENOUGH BRANCHES SHALL BE USED TO FORM A CONTINUOUS LINEAR BRANCH WALL PARALLEL TO THE STREAM. GAPS SHOULD BE MINIMIZED.

CONSTRUCTION SPECIFICATIONS FOR BARE ROOT TREES

QUALITY:

1. BARE ROOT TREES SHALL BE HIGH QUALITY NURSERY GROWN REPRESENTATIVES OF THEIR NORMAL SPECIES AND VARIETIES AS LISTED IN THE BARE ROOT TREE SCHEDULE IN EQUAL PROPORTIONS. SPECIES SELECTION/COMPOSITON SUBJECT TO LOCAL NURSERY AVAILABILITY AT TIME OF PLANTING.
2. BARE ROOT TREES SHALL HAVE A HEAVY FIBROUS ROOT SYSTEM THAT HAS BEEN DEVELOPED BY PROPER CULTURAL TREATMENT, TRANSPLANTING AND ROOT PRUNING.
3. BARE ROOT TREES SHALL BE FREE FROM INSECTS, DISEASES, AND SUNSCALD.

SHIPMENT:

1. ALL PRECAUTIONS THAT ARE CUSTOMARY IN GOOD TRADE PRACTICE SHALL BE TAKEN TO ENSURE THE ARRIVAL OF THE PLANTS IN GOOD CONDITION.
2. THE ROOTS OF BARE ROOT TREES SHALL BE CAREFULLY PROTECTED WITH WET STRAW OR OTHER SUITABLE MATERIAL TO ENSURE THE ARRIVAL OF THE TREES WITH ROOTS IN MOIST CONDITION.
3. WHEN SHIPMENT IS MADE BY ENCLOSED VEHICLE, THE VEHICLE SHALL BE ADEQUATELY VENTILATED TO PREVENT ANY "HEATING" IN TRANSIT.
4. ALL STOCK FURNISHED MUST BE LEGIBLY TAGGED WITH THE NAME AS INDICATED ON THE PLANS.
5. BARE ROOT TREES MAY REMAIN ON THE SITE ONLY 24 HOURS PRIOR TO BEING PLANTED OR PLACED IN STORAGE.

PLANTING:

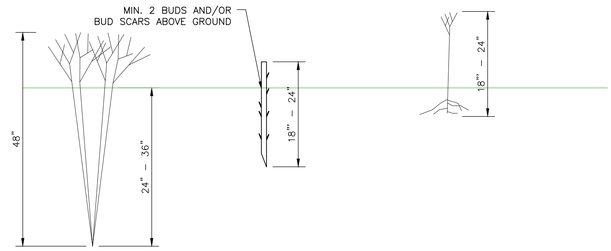
1. TREE PLANTING SHALL BE PERFORMED ONLY WHEN WATER AND SOIL CONDITIONS ARE FAVORABLE FOR SUCH OPERATIONS. OPERATIONS WILL BE SUSPENDED OR POSTPONED WHENEVER CONDITIONS ARE UNFAVORABLE FOR SUCH WORK.
2. REGARDLESS OF CALENDAR DATE, PLANTS MUST BE DORMANT AT THE TIME THEY ARRIVE AT THE SITE.
3. ALL BARE ROOT PLANT MATERIAL SHALL BE PLANTED DURING THE WINTER DORMANT SEASON. IT SHALL BE PLANTED ONLY WHEN THE TEMPERATURE IS BETWEEN 35 AND 60 DEGREES F.
4. PLANTINGS SHALL NOT BE MADE IN FROZEN GROUND.
5. BARE ROOT TREES SHALL BE PLANTED IN THE PLUMB POSITION. BARE ROOT TREES WILL BE SET AT THE SAME DEPTH OR UP TO ONE INCH DEEPER THAN THEY GREW IN THE NURSERY.
6. WHEN PLANTING IN A SLOT MADE WITH A TREE PLANTING MACHINE, PLANTING BAR OR SIMILAR IMPLEMENT, THE SLOT SHALL BE OF ADEQUATE DEPTH TO ALLOW THE ROOTS TO BE FULLY EXTENDED VERTICALLY WHEN THE SEEDLING IS PLACED IN THE SLOT AT THE PROPER DEPTH. CARE SHALL BE TAKEN WHEN PLANTING TO PREVENT THE END OF THE ROOTS FROM BEING TURNED UPWARD.
7. AFTER PLACING THE SEEDLING IN THE SLOT AT THE PROPER DEPTH, THE SLOT SHALL BE COMPLETELY CLOSED TO ELIMINATE ALL AIR POCKETS.

LIVE SILTATION/STAKES PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME
PLATANUS OCCIDENTAILIS	AMERICAN SYCAMORE
CORNUS AMOMUM	SILKY DOGWOOD
SALIX NIGRA	BLACK WILLOW
SAMBUCUS CANADENSIS	ELDERBERRY
VIBURNUM DENTATUM	ARROWOOD

BARE ROOT TREE PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME
PLATANUS OCCIDENTAILIS	AMERICAN SYCAMORE
ACER RUBRUM	RED MAPLE
LIQUIDAMBAR STYRACIFLUA	SWEETGUM
QUERCUS RUBRA	RED OAK
QUERCUS ALBA	WHITE OAK



LIVE SILTATION/STAKES & BARE ROOT TREES SPECIFICATIONS

N.T.S.

TEMPORARY SEEDING CONSTRUCTION SPECIFICATIONS

GRADING AND SHAPING:
Excessive water runoff shall be reduced by properly designed and installed erosion control practices such as ditches, dikes, diversions, and sediment basins. No shaping or grading is required if slopes can be stabilized by hand–seeded vegetation or if hydraulic seeding equipment is to be used.

SEEDBED PREPARATION:
Good seedbed preparation is essential to successful plant establishment. A good seedbed is well pulverized, loose and uniform. Where hydroseeding methods are used, the surface may be left with a more irregular surface of large clods and stones.

LIMING:
Apply lime according to soil test recommendations. Apply limestone uniformly and incorporate into the top 4–6 inches of soil. Soils with a pH of 6 or higher do not need to be limed.

FERTILIZER:
Base application rates on soil tests. Both fertilizer and lime should be incorporated into the top 4–6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before the application.

SURFACE ROUGHENING:
If recent tillage operations have resulted in a loose surface, additional roughening may not be necessary, except to break up large clods. If rainfall caused the surface to become sealed or crusted, loosen it just prior to seeding by disking, raking, harrowing, or other suitable methods.

SEEDING:
Select a non–invasive grass or grass–legume mixture suitable to the area and season of the year. See Figures for suggestions of temporary seeding species. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker seeder, or hydraulic seeder. Drill or cultipacker seeders should normally place seed ¼ to ½ inches deep. Appropriate depth of planting is 10 times the seed diameter. Soil should be raked lightly to cover seed with soil if seeded by hand.

IRRIGATION:
During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will ensure germination of the seed. Subsequent applications should be made as needed. Newly seeded areas require more water than more mature plants.

PERMANENT SEEDING CONSTRUCTION SPECIFICATIONS

GRADING AND SHAPING:
Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishment.

When conventional seeding and fertilizing are to be done, grade and shape the slope, where feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching, and maintenance of vegetation.

Concentrations of water that could cause excessive soil erosion should be diverted to a safe outlet. Diversions and other treatment practices must conform to the appropriate standards and specifications.

PLANT SELECTION:
Only certified seed shall be used. Refer to Table for suggested species.

SEEDBED PREPARATION:
When conventional seeding is to be used, topsoil should be applied to any area where the disturbance results in subsoil at the final grade surface. A minimum depth of 12" is required. Soil pH should be above 5 – preferably between 6.0 and 6.5. Soil on the site should be tested to determine lime and fertilizer rates. Soil should be submitted to a soils specialist or County Agricultural Extension agent for testing and soil amendment recommendations.

PERMANENT SEEDING CONSTRUCTION SPECIFICATIONS (CONT'D)

Broadcast Seeding:
- Seedbed preparation may not be required where hydraulic seeding equipment is to be used.
- Tillage, at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate topsoil, lime, and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a crimper is to be used.
- Tillage may be done with any suitable equipment.
- Tillage should be done parallel to the contour where feasible.

NO–TILL SEEDING:
No–till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (perennial) species. No–till seeding shall be done with appropriate no–till seeding equipment. The seed must be uniformly distributed and planted at the proper depth.

MAINTENANCE AND INSPECTION POINTS:
Any areas that have washed out due to high stormwater flows, areas that have been disturbed by blowing wind, and areas that do not show good germination should be retreated.

Inspect seeded areas for failure and make necessary repairs and reseedings within the same season, if possible.

RESEEDING:
If a stand has inadequate cover, re–evaluate choice of plant materials and quantities of lime and fertilizer in cooperation with the owner. Re–establish the stand after seedbed preparation or over–seed the stand. Consider seeding temporary, annual species if the time of year is not appropriate for permanent seeding

TEMPORARY COVER SEEDING MIXTURES

SEEDING DATES	GRASS SEED	SOIL AMENDMENTS	MAINTENANCE
JANUARY 1 TO MAY 1	RYE (120 LBS/ACRE)	FOLLOW RECOMMENDATIONS OF SOIL TESTS.	REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.
MAY 1 TO AUGUST 15	OATS (60 LBS/ACRE)		
	BROWN TOP MILLET (30 LBS/ACRE)		
AUGUST 15 – DECEMBER 31	OATS (30 LBS/ACRE)		
	WINTER WHEAT (30 LBS/ACRE)		

PERMANENT COVER SEEDING MIXTURES

TYPE	PREFERRED RATE/MIX (lb/ac PLS)
ROUNDSTONE NATIVE SEED, LLC MIX 168 – SOUTHERN RIPARIAN BUFFER MIX OR EQUIVALENT	REFER TO ROUNDSTONE SPECIFICATION

SEEDING SPECIFICATIONS

ISSUED FOR CONSTRUCTION
DATE: 05/12/25 BY: DW

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

DRAWN BY:	DW	CHECKED BY:	AQ	APPROVED BY:	DW
DATE:	MAY 2025	DWG SCALE:	N.T.S.	PROJECT NO:	

DETAILS (2)

DRAWING NO.: C601

SHEET 7 OF 9

REVISION RECORD		
NO	DATE	DESCRIPTION
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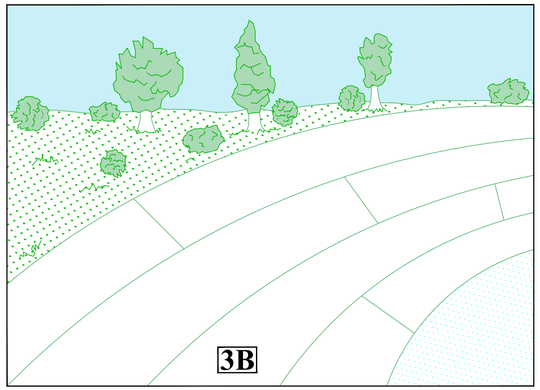

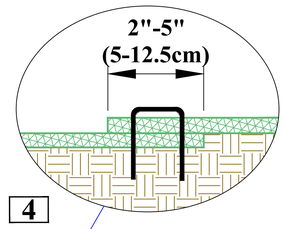

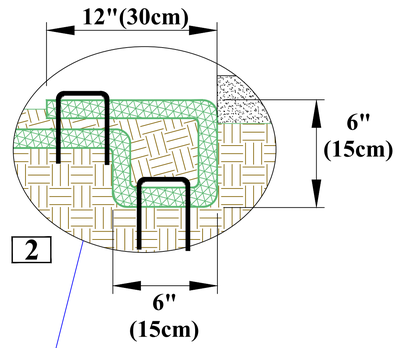

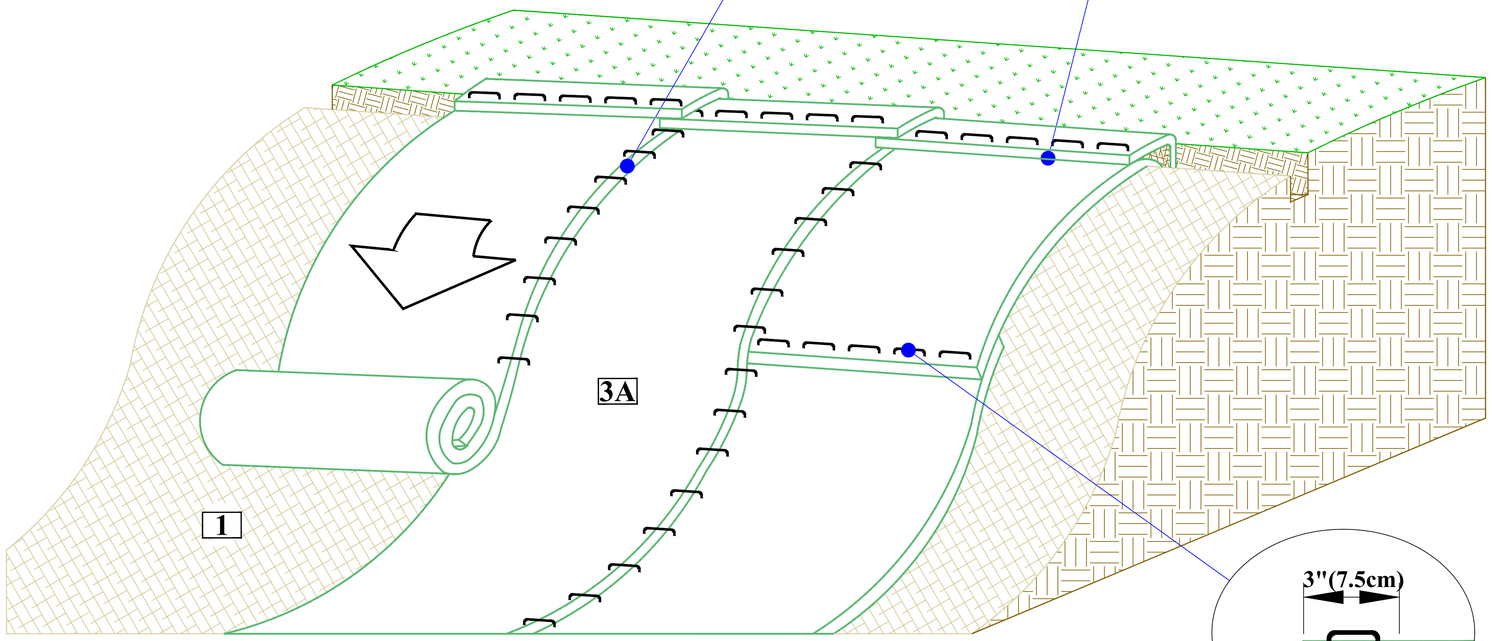

SLOPE INSTALLATION DETAIL

1. Begin at the top of the slope by anchoring the ECM in a 6"(15cm) deep X 6"(15cm) wide trench with approximately 12" (30cm) of ECM extended beyond the up-slope portion of the trench. Anchor the ECM with a row of staples/stakes approximately 12" (30cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Fold the remaining 12"(30cm) portion of ECM back over the compacted soil. Secure ECM over compacted soil with a row of staples/stakes spaced approximately 12"(30cm) apart across the width of the ECM.
2. Roll the ECM (A) down or (B) horizontally across the slope. ECM will unroll with appropriate side against the soil surface. All ECMs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
3. The edges of parallel ECMs must be stapled with approximately 2" - 5" (5-12.5cm) overlap depending on the ECM type.
4. Consecutive ECMs spliced down the slope must be end over end (Shingle style) with an approximate 3"(7.5cm) overlap. Staple through overlapped area, approximately 12"(30cm) apart across entire ECM width.
5. Apply live stakes to the bank per instructions on Drawing C601.

*NOTE:
In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the ECM.

5 EROSION CONTROL MAT (TYP.)
N.T.S.

ISSUED FOR CONSTRUCTION
DATE: 05/12/25 BY: DW

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TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

DRAWN BY:	DW	CHECKED BY:	AQ	APPROVED BY:	DW
DATE:	APRIL 2025	DWG SCALE:	N.T.S.	PROJECT NO:	

DETAILS (3)

DRAWING NO.: C602

SHEET 8 OF 9

REVISION RECORD		
NO	DATE	DESCRIPTION
1		
2		
3		
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POINT #	NORTHING (FT)	EASTING (FT)	PROPOSED ELEVATION (FT MSL)	POINT DESCRIPTION
10	754,534.7	3,071,317.3	1,467.85	RIVER SIDE TOP OF RIPRAP
11	754,485.7	3,071,294.3	1,469.00	RIVER SIDE TOP OF RIPRAP
12	754,410.3	3,071,262.1	1,470.50	RIVER SIDE TOP OF RIPRAP
13	754,250.5	3,071,209.6	1,470.50	RIVER SIDE TOP OF RIPRAP
14	754,187.6	3,071,188.6	1,470.50	RIVER SIDE TOP OF RIPRAP
15	754,104.0	3,071,160.3	1,469.00	RIVER SIDE TOP OF RIPRAP
16	754,046.0	3,071,142.9	1,468.00	RIVER SIDE TOP OF RIPRAP
17	754,014.0	3,071,139.5	1,469.00	RIVER SIDE TOP OF RIPRAP
18	754,000.0	3,071,142.9	1,469.00	RIVER SIDE TOP OF RIPRAP
19	753,987.8	3,071,154.1	1,469.00	RIVER SIDE TOP OF RIPRAP
20	753,978.7	3,071,168.2	1,471.00	RIVER SIDE TOP OF RIPRAP
21	753,972.7	3,071,185.3	1,472.50	RIVER SIDE TOP OF RIPRAP
40	754,530.9	3,071,325.4	1,467.85	LANDFILL SIDE TOP OF RIPRAP
41	754,482.0	3,071,302.5	1,469.00	LANDFILL SIDE TOP OF RIPRAP
42	754,407.1	3,071,270.5	1,470.50	LANDFILL SIDE TOP OF RIPRAP
43	754,247.6	3,071,218.2	1,470.50	LANDFILL SIDE TOP OF RIPRAP
44	754,184.7	3,071,197.1	1,470.50	LANDFILL SIDE TOP OF RIPRAP
45	754,101.3	3,071,168.9	1,469.00	LANDFILL SIDE TOP OF RIPRAP
46	754,044.0	3,071,151.8	1,468.00	LANDFILL SIDE TOP OF RIPRAP
47	754,014.6	3,071,148.6	1,469.00	LANDFILL SIDE TOP OF RIPRAP
48	754,004.4	3,071,151.1	1,469.00	LANDFILL SIDE TOP OF RIPRAP
49	753,994.7	3,071,160.0	1,469.00	LANDFILL SIDE TOP OF RIPRAP
50	753,986.6	3,071,172.2	1,471.00	LANDFILL SIDE TOP OF RIPRAP
51	753,975.1	3,071,194.6	1,472.50	LANDFILL SIDE TOP OF RIPRAP

POINT #	NORTHING (FT)	EASTING (FT)	PROPOSED ELEVATION (FT MSL)	POINT DESCRIPTION
70	754,530.4	3,071,326.4	1,465.00	SUBGRADE DESIGN POINT - TOE
71	754,481.6	3,071,303.4	1,466.15	SUBGRADE DESIGN POINT - TOE
72	754,406.8	3,071,271.5	1,467.65	SUBGRADE DESIGN POINT - TOE
73	754,247.3	3,071,219.1	1,467.65	SUBGRADE DESIGN POINT - TOE
74	754,184.4	3,071,198.0	1,467.65	SUBGRADE DESIGN POINT - TOE
75	754,101.0	3,071,169.8	1,466.15	SUBGRADE DESIGN POINT - TOE
76	754,043.8	3,071,152.8	1,465.15	SUBGRADE DESIGN POINT - TOE
77	754,030.1	3,071,151.3	1,465.38	SUBGRADE DESIGN POINT - TOE
78	754,014.6	3,071,149.6	1,466.15	SUBGRADE DESIGN POINT - TOE
79	754,004.9	3,071,152.0	1,466.15	SUBGRADE DESIGN POINT - TOE
80	753,995.4	3,071,160.7	1,466.15	SUBGRADE DESIGN POINT - TOE
81	753,987.4	3,071,172.8	1,468.17	SUBGRADE DESIGN POINT - TOE
82	753,975.9	3,071,195.1	1,469.65	SUBGRADE DESIGN POINT - TOE
83	753,963.6	3,071,217.1	1,475.00	SUBGRADE DESIGN POINT - TOE
84	753,940.3	3,071,271.6	1,475.50	SUBGRADE DESIGN POINT - TOE
85	753,939.0	3,071,300.2	1,475.50	SUBGRADE DESIGN POINT - TOE
86	753,955.0	3,071,332.6	1,476.50	SUBGRADE DESIGN POINT - TOE
87	754,033.7	3,071,406.3	1,480.00	SUBGRADE DESIGN POINT - TOE
88	754,070.0	3,071,444.3	1,480.00	SUBGRADE DESIGN POINT - TOE
89	754,169.2	3,071,499.9	1,480.00	SUBGRADE DESIGN POINT - TOE

POINT #	NORTHING (FT)	EASTING (FT)	PROPOSED ELEVATION (FT MSL)	POINT DESCRIPTION
100	754,398.4	3,071,350.1	1,505.00	2H:1V CUT SLOPE CREST
101	754,384.0	3,071,354.3	1,510.00	2H:1V CUT SLOPE CREST
102	754,375.8	3,071,350.4	1,510.00	2H:1V CUT SLOPE CREST
103	754,220.9	3,071,299.6	1,510.00	2H:1V CUT SLOPE CREST
104	754,157.5	3,071,278.4	1,510.00	2H:1V CUT SLOPE CREST
105	754,075.7	3,071,254.5	1,510.00	2H:1V CUT SLOPE CREST
106	754,035.1	3,071,243.4	1,510.00	2H:1V CUT SLOPE CREST
107	754,025.2	3,071,251.1	1,510.00	2H:1V CUT SLOPE CREST
108	754,008.7	3,071,287.5	1,510.00	2H:1V CUT SLOPE CREST
109	754,012.0	3,071,295.3	1,510.00	2H:1V CUT SLOPE CREST
110	754,107.2	3,071,396.4	1,510.00	2H:1V CUT SLOPE CREST
111	754,222.6	3,071,461.0	1,510.00	2H:1V CUT SLOPE CREST
112	754,232.9	3,071,515.2	1,510.00	2H:1V CUT SLOPE CREST
113	754,235.8	3,071,564.7	1,510.00	2H:1V CUT SLOPE CREST
200	754,366.7	3,071,369.5	1,517.00	3H:1V FILL SLOPE CREST
201	754,214.1	3,071,319.4	1,517.00	3H:1V FILL SLOPE CREST
202	754,151.6	3,071,298.3	1,517.00	3H:1V FILL SLOPE CREST
203	754,070.0	3,071,274.7	1,517.00	3H:1V FILL SLOPE CREST
204	754,041.1	3,071,266.8	1,517.00	3H:1V FILL SLOPE CREST
205	754,039.0	3,071,271.4	1,517.00	3H:1V FILL SLOPE CREST
206	754,032.3	3,071,286.2	1,517.00	3H:1V FILL SLOPE CREST
207	754,120.2	3,071,379.6	1,517.00	3H:1V FILL SLOPE CREST
208	754,241.4	3,071,447.5	1,517.00	3H:1V FILL SLOPE CREST
209	754,253.8	3,071,512.6	1,517.00	3H:1V FILL SLOPE CREST
210	754,256.1	3,071,551.9	1,517.00	3H:1V FILL SLOPE CREST
211	754,290.8	3,071,579.7	1,517.00	3H:1V FILL SLOPE CREST
212	754,317.4	3,071,575.0	1,517.00	3H:1V FILL SLOPE CREST
213	754,344.6	3,071,541.9	1,517.00	3H:1V FILL SLOPE CREST
214	754,356.6	3,071,514.9	1,517.00	3H:1V FILL SLOPE CREST
215	754,380.4	3,071,421.7	1,517.00	3H:1V FILL SLOPE CREST
216	754,376.5	3,071,401.6	1,517.00	3H:1V FILL SLOPE CREST
217	754,411.4	3,071,392.9	1,505.00	3H:1V FILL SLOPE TOE
218	754,417.3	3,071,422.7	1,505.00	3H:1V FILL SLOPE TOE
219	754,414.2	3,071,434.8	1,505.00	3H:1V FILL SLOPE TOE
220	754,405.8	3,071,455.5	1,506.00	3H:1V FILL SLOPE TOE
221	754,398.1	3,071,473.5	1,507.00	3H:1V FILL SLOPE TOE
222	754,388.5	3,071,499.0	1,508.00	3H:1V FILL SLOPE TOE
223	754,382.1	3,071,512.2	1,509.00	3H:1V FILL SLOPE TOE
224	754,376.5	3,071,521.8	1,510.00	3H:1V FILL SLOPE TOE
225	754,356.8	3,071,566.2	1,510.00	3H:1V FILL SLOPE TOE
226	754,327.8	3,071,590.8	1,511.00	3H:1V FILL SLOPE TOE
227	754,303.1	3,071,592.8	1,511.29	3H:1V FILL SLOPE TOE
228	754,287.5	3,071,592.5	1,511.29	3H:1V FILL SLOPE TOE
229	754,244.4	3,071,558.0	1,513.00	3H:1V FILL SLOPE TOE

ISSUED FOR CONSTRUCTION

DATE: 05/12/25 BY: DW

ENVIRONMENTAL INFORMATION LOGISTICS, LLC

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
BUREAU OF PARKS AND CONSERVATION & DIVISION OF REMEDIATION
NASHVILLE, TENNESSEE

DRAWN BY:	DW	CHECKED BY:	AQ
APPROVED BY:	DW		
DATE:	MAY 2025	DWG SCALE:	NA
PROJECT NO:			

POINT TABLE

DRAWING NO.: C710

SHEET 9 OF 9