HOOT, TOOT, & WHISTLE TRAIL IMPROVEMENT PROJECT



OVERALL PROJECT AREA

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FAIRVIEW AVENUE, WILMINGTON, VERMONT 05363

VICINITY MAP NOT TO SCALE

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PREPARED BY:						

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CONSTRUCTION DOCUMENTS

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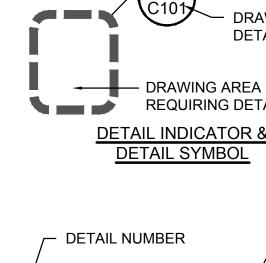
HEREIN.

G	ENERAL NOTES	ABBRE'	VIATIONS
1.	THE CONTRACTOR SHALL CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION AND COORDINATE WITH OTHERS AS REQUIRED.	AC ACCMP APPROX	ASBESTOS CE ASPHALT COA APPROXIMATE
2.	THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATELY LOCATED AND ARE FOR INFORMATION ONLY. ALL UTILITIES MAY NOT BE SHOWN . THE CONTRACTOR SHALL CONTACT U.F.P.O. (1-800-962-7962), DIG SAFELY (888-344-7233), AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY HAVING JURISDICTION TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. CARE SHOULD BE TAKEN IN ALL EXCAVATIONS DUE TO THE POSSIBLE EXISTENCE OF UNRECORDED UTILITIES. ANY COSTS INCURRED BY THE CONTRACTOR DUE TO FAILURE TO CONTACT THE PROPER AUTHORITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.	ARV ASTM BC BIT BLDG BM BO BV CATV CB CC	AIR RELEASE AMERICAN SO BITUMINOUS C BUILDING BENCH MARK BLOW OFF BUTTERFLY V/ CABLE TELEVI CATCH BASIN CONCRETE CL
3.	THE CONTRACTOR SHALL VERIFY ALL EXISTING INFORMATION ON SITE. ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS SHALL BE IMMEDIATELY COMMUNICATED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING GRADES IN THE FIELD PRIOR TO THE COMMENCEMENT OF ANY WORK. FIELD VERIFICATIONS SHALL BE PERFORMED THROUGHOUT ALL AREAS OF NEW CONSTRUCTION. THIS FIELD VERIFICATION IS IMPERATIVE TO ENSURE THAT THERE ARE NO DISCREPANCIES BETWEEN THE SITE SURVEY AND WHAT HAS BEEN VERIFIED. IF DISCREPANCIES DO EXIST, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER, IMMEDIATELY, AND PRIOR TO ANY CONSTRUCTION, SO NECESSARY ADJUSTMENTS AND/OR MODIFICATIONS CAN BE MADE TO ACCOMMODATE THESE DISCREPANCIES. ANY FAILURE TO VERIFY THE GRADES PRIOR TO CONSTRUCTION SHALL BE AT THE RISK AND COST OF THE CONTRACTOR.	CI & CL CMP CONC CU FT CY D DI DIA DMH DWG E	CAST IRON CENTERLINE CEMENT LINEI CORRUGATED CONCRETE CUBIC FEET CUBIC YARD STORM DRAIN DROP INLET, E DIAMETER DRAIN MANHO DRAWING EAST, ELECTR
4.	THE CONTRACTOR SHALL PROVIDE STAKE LAYOUT OF PROPOSED IMPROVEMENTS FOR OWNER'S REPRESENTATIVE REVIEW AND APPROVAL BEFORE COMMENCING WITH ANY GROUND DISTURBANCE.	EA EF ELEV EOP	EACH EACH FACE ELEVATION EDGE OF PAVE
5.	THE CONTRACTOR SHALL VERIFY PROPOSED GRADES PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.	EW EXIST FLG	EACH WAY EXISTING FLANGE
6.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS FOR THE WORK FROM ANY UTILITY COMPANIES OR OTHER GOVERNING BODIES HAVING JURISDICTION OVER THE WORK OUTLINED IN THESE DRAWINGS.	FLG FT G GALV GC	FEANGE FEET, FOOT NATURAL GAS GALVANIZED GRANITE CUR
7.	THE CONTRACTOR SHALL ESTABLISH PERMANENT SECONDARY BENCHMARKS PRIOR TO THE START OF CONSTRUCTION. ALL SECONDARY BENCHMARKS SHALL BE SO LOCATED THAT THEY WILL NOT BE DISTURBED BY CONSTRUCTION.	GR HC HORIZ HP	GRANITE HOUSE CONNE HORIZONTAL HIGH PRESSU
8.	THE CONTRACTOR SHALL MAINTAIN ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT TRACKING OR MOVEMENT OF SEDIMENT OR DEBRIS ONTO ROADWAYS.	HYD I	FIRE HYDRAN ⁻ INVERT
9.	THE CONTRACTOR SHALL PROVIDE DUST AND EROSION/SEDIMENT CONTROL AS PER SPECIFICATIONS AND/OR AS APPROVED BY OWNER'S REPRESENTATIVE.	INV ID IP	INVERT INSIDE DIAME ⁻ IRON PIPE
10.	THE CONTRACTOR SHALL INSTALL SILT FENCE(S) PRIOR TO ANY SOIL DISTURBANCE. THE CONTRACTOR SHALL INSTALL AND REGULARLY MAINTAIN, AS REQUIRED, ANY AND ALL SILTATION CONTROL MEASURES AND MONITOR THE CONTROL DEVICES AT LEAST ONCE A WEEK TO ENSURE THEIR EFFECTIVENESS.	LB LF LS MAX MB	POUND LINEAR FEET LUMP SUM MAXIMUM MAIL BOX
11.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY MEANS OF CONVEYANCE OF STORM RUNOFF AROUND WORK AREA DURING CONSTRUCTION. ALL STORM WATER SHALL BE DISCHARGED OUTSIDE THE CONSTRUCTION AREA IN AN ACCEPTABLE LOCATION THAT WILL NOT ALLOW SEDIMENT TRANSFER TO WETLANDS OR WATER BODIES OR CAUSE PONDING AND/OR FLOODING. THE CONTRACTOR SHALL STABILIZE DISTURBED SLOPES IMMEDIATELY TO PREVENT EROSION FROM OCCURRING WITH AN APPROPRIATE EROSION CONTROL MEASURE. SEE SPECIFICATIONS. IF SLOPE EROSION IS OBSERVED, REPAIR IMMEDIATELY.	MECH MH MIN MISC MJ N NE NW NF NO OR #	MECHANICAL MANHOLE MINIMUM MISCELLANEO MECHANICAL NORTH NORTH EAST NORTH WEST NOT FOUND NUMBER
12.	ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH AND LENGTH AS APPLICABLE. ITEMS NOT SPECIFICALLY IDENTIFIED THAT INTERFERE WITH NEW CONSTRUCTION MUST ALSO BE REMOVED. ALL REFUSE, DEBRIS AND MISCELLANEOUS ITEMS TO BE REMOVED SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.	OD PCCP PE 문 PL	OUTSIDE DIAN PRESTRESSEI PLAIN END, PC PROPERTY LIN PLATE
13.	CONTRACTOR SHALL STRIP, CLEAR, GRUB AND STOCKPILE EXISTING TOPSOIL TO FULL DEPTH WITHIN LIMIT OF GRADING AND FROM ALL AREAS SUBJECT TO CONSTRUCTION ACTIVITY (INCLUDING STAGING AREAS) BEFORE COMMENCING GRADING OPERATIONS. STRIPPED AND STOCKPILED TOPSOIL IS THE PROPERTY OF THE OWNER, UNLESS AUTHORIZED, AND SHALL NOT BE REMOVED FROM THE SITE. ANY EXCESS OF LOAM ENCOUNTERED WILL BE USED ON SITE IN AREAS DESIGNATED BY THE OWNER'S REPRESENTATIVE. ALL UNUSABLE MATERIAL, AS SPECIFIED, SHALL BE REMOVED FROM THE ENTIRE SITE.	PVC PVMT RCP ROW RQD S SE SECT SF	POLYVINYL CH PAVEMENT REINFORCED RIGHT-OF-WA ROCK QUALITY SEWER, SOUT SOUTH EAST SECTION SQUARE FEET
14.	ALL EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED THROUGHOUT THE TIME OF CONSTRUCTION, AS SPECIFIED AND/OR DIRECTED BY THE OWNER'S REPRESENTATIVE.	SHT SPEC SQ FT SS	SHEET SPECIFICATIO SQUARE FEET SEWER SERVI
15.	ALL FILL SLOPES 3:1 OR GREATER SHALL RECEIVE BIODEGRADABLE FABRIC OR APPROVED EQUAL FOR EROSION CONTROL, UNLESS OTHERWISE SHOWN OR DIRECTED BY OWNER'S REPRESENTATIVE.	STA STL SW T	STATION STEEL SIDEWALK, SC HYDROSTATIC
16.	ANY AREA OUTSIDE THE LIMITS OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.	TBM THK TYP	TEMPORARY E THICK (NESS) TYPICAL
17.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL AREAS DISTURBED AND/OR DAMAGED FROM CONSTRUCTION ACTIVITIES INCLUDING, BUT NOT LIMITED TO, LAWNS, WALKS, PAVEMENTS, ETC IT IS EXPECTED THAT THE CONTRACTOR SHALL MAKE PHOTO LOGS OF ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION FOR HIS/HER RECORDS.	UP VC VERT W W/	UTILITY POLE VITRIFIED CLA VERTICAL WATER, WEST WITH
18.	CONSTRUCTION AND/OR DISTURBANCE SHALL NOT EXTEND BEYOND OWNER'S PROPERTY WITHOUT WRITTEN PERMISSION/PERMIT(S)/FROM ADJACENT LANDOWNERS.	W/O	WITHOUT
19.	THE CONTRACTOR SHALL LOCATE AND MARK UNDERGROUND FACILITIES AND MAINTAIN MARKING DURING CONSTRUCTION.	DRAW	NG ORGA
20.	ALL NECESSARY PERMITS AND APPROVALS, INCLUDING WETLAND AND ARCHAEOLOGICAL PERMITS REQUIRED FOR THIS PROJECT, SHALL BE IN PLACE PRIOR TO COMMENCING WORK. REFER TO SPECIFICATIONS AND ARCHAEOLOGICAL RESOURCE ASSESSMENT FOR ADDITIONAL INFORMATION; COORDINATE WITH TOWN AND PROJECT LANDSCAPE ARCHITECT.		
B	ASE MAPPING NOTES		DETAIL
1.	UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON UTILITY EVIDENCE VISIBLE AT GROUND SURFACE AND RECORD DRAWINGS AND ARE SUBJECT TO FIELD VERIFICATION BY EXCAVATION. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES.		DETA
2.	INFORMATION SHOWN IS BASED UPON PUBLICLY AVAILABLE GIS INFORMATION PROVIDED BY THE STATE OF VERMONT.		

WETLAND AND WETLAND BUFFER LIMITS SHOWN ARE DERIVED FROM A FIELD INVESTIGATION PERFORMED BY ARROWWOOD ENVIRONMENTAL AND THE UNITED STATES ARMY CORPS OF ENGINEERS (USACOE), DATED OCTOBER 02, 2023.

ASPHALT COATED CORRUGATED METAL PIPE PROX APPROXIMATE AIR RELEASE VALVE AMERICAN SOCIETY FOR TESTING AND MATERIALS **BITUMINOUS CONCRETE** BITUMINOUS BUILDING **BENCH MARK** BLOW OFF BUTTERFLY VALVE CABLE TELEVISION CATCH BASIN CONCRETE CURB CAST IRON CENTERLINE CEMENT LINED CORRUGATED METAL PIPE CONCRETE CUBIC FEET CUBIC YARD STORM DRAIN, DEPTH FROM RIM TO INVERT DROP INLET, DUCTILE IRON DIAMETER DRAIN MANHOLE DRAWING EAST, ELECTRIC EACH EACH FACE ELEVATION EDGE OF PAVEMENT EACH WAY EXISTING FLANGE FEET, FOOT NATURAL GAS GALVANIZED GRANITE CURB GRANITE HOUSE CONNECTION HORIZONTAL HIGH PRESSURE FIRE HYDRANT INVERT INVERT INSIDE DIAMETER **IRON PIPE** POUND LINEAR FEET LUMP SUM MAXIMUM MAIL BOX MECHANICAL MANHOLE MINIMUM MISCELLANEOUS MECHANICAL JOINT NORTH NORTH EAST NORTH WEST NOT FOUND) OR # NUMBER OUTSIDE DIAMETER PRESTRESSED CONCRETE CYLINDER PIPE PLAIN END, POLYETHYLENE PROPERTY LINE PLATE POLYVINYL CHLORIDE PAVEMENT REINFORCED CONCRETE PIPE **RIGHT-OF-WAY** ROCK QUALITY SEWER, SOUTH SOUTH EAST SECTION SQUARE FEET SHEET SPECIFICATIONS SQUARE FEET SEWER SERVICE, STAINLESS STEEL STATION STEEL SIDEWALK, SOUTH WEST HYDROSTATIC THRUST, TELEPHONE TEMPORARY BENCH MARK THICK (NESS) TYPICAL UTILITY POLE VITRIFIED CLAY VERTICAL WATER, WEST WITH WITHOUT

RAWING ORGANIZATION



SCALE: N.T.S. SCALE DETAIL TITLE ON DETAIL DRAWING

ASBESTOS CEMENT PIPE

DETAIL NUMBER DRAWING NUMBER WHERE DETAIL IS DRAWN

REQUIRING DETAIL

- DETAIL TYPE/NAME

DETAIL TITLE

GENERAL MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.

- 2. SEDIMENT WILL BE REMOVED FROM BEHIND STRAW WATTLES AND BEHIND SILT FENCES WHEN IT BECOMES 6" DEEP AT THE DIKE/FENCE OR WHEN ACCUMULATIONS HAVE ADVERSELY AFFECTED IT'S FUNCTION. STRAW WATTLES AND SITE FENCES WILL BE REPAIRED BY REMOVING SILT AND SEDIMENTS AND THEN TAMPING LOOSE SOIL ALONG BASE, REPLACING DAMAGED OR WEAKENED POSTS AND STAKES. OR AS NECESSARY TO MAINTAIN A BARRIER
- 3. SEDIMENT WILL BE REMOVED AND FILTER DEVICES CLEANED OR REPLACED AT CATCH BASINS WHEN THE SEDIMENT POOL NO LONGER DRAINS FREELY. SEDIMENT ACCUMULATIONS WITHIN DRAINAGE STRUCTURES AND PIPING SHALL BE CLEANED OUT AT THE PROJECT COMPLETION AND AS ORDERED BY OWNER'S REPRESENTATIVE WHEN DETERMINED THAT PRE-COMPLETION INSTALLATIONS NO LONGER FUNCTION PROPERLY DUE TO SEDIMENT OR DEBRIS. EVENTUAL SYSTEM CLEANING IS NOT AN EXCUSE TO NOT IMPLEMENT APPROPRIATE CONTROLS UPSTREAM. THE OWNER'S REPRESENTATIVE SHALL BE THE FINAL JUDGE REGARDING WHETHER THE PIPING SYSTEM REQUIRES CLEANING. THE CONTRACTOR CAN MINIMIZE THE NECESSITY OF EXTENSIVE SILT AND SEDIMENT ACCUMULATION REMOVALS BY EFFECTIVE IMPLEMENTATION OF THE EROSION AND SEDIMENT PLAN.
- 4. ALL DISTURBED AREAS WILL BE FERTILIZED, SEEDED AND MULCHED ACCORDING TO THE PROJECT SPECIFICATIONS TO MAINTAIN VIGOROUS, DENSE VEGETATION. REPAIR ANY ERODED SLOPES, REAPPLY TOPSOIL, RESEED AND STABILIZE REPAIR AREA AS REQUIRED FOR PERMANENT OR TEMPORARY MEANS. REPAIR SOIL AREAS DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT.
- 5. IMMEDIATELY REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION EQUIPMENT, MAINTENANCE OR OTHER ACTIVITY TO ANY EROSION CONTROL MEASURE, OR BEST MANAGEMENT PRACTICE OR DEVICE.
- 6. THE PRIME CONTRACTOR(S) ARE RESPONSIBLE FOR THE PERFORMANCE AND COMPLIANCE OF THEIR SUB-CONTRACTOR'S ACTIVITIES. THEY SHALL MAKE FREQUENT INSPECTIONS OF THEIR WORK AND COORDINATE APPROPRIATE INSTALLATION AND MAINTENANCE OF EROSION CONTROL AND WATER QUALITY DEVICES.
- 7. EMPLOY POLLUTION PREVENTION MEASURES TO CONTROL LITTER. CONSTRUCTION CHEMICALS. SEDIMENT AND CONSTRUCTION DEBRIS INCLUDING, BUT NOT LIMITED, TO THE FOLLOWING: SALVAGE AND REUSE OF MATERIALS, MINIMIZING PACKAGING WASTE, RECYCLING, PROPER DISPOSAL AT FREQUENT INTERVALS IN ACCORDANCE WITH PREVAILING LAWS, ONSITE INSTRUCTION REGARDING APPROPRIATE SEPARATION/HANDLING/RECYCLING, PERIODIC DEBRIS REMOVAL AT DRAINAGE STRUCTURES (GRATES AND SUMPS)/SEDIMENT TRAPS/FOREBAY AND OTHER BMP'S, PROPER MAINTENANCE OF SEDIMENT/EROSION CONTROL SYSTEMS, ROUTINE AND EVENT RELATED INSPECTIONS OF DRAINAGE AND BMP SYSTEMS PER PERMIT REQUIREMENTS, PROVIDE APPROPRIATE SANITARY FACILITIES FOR ONSITE PERSONNEL, PICK UP TRASH AND DEBRIS FREQUENTLY AND USE WATER MIST, CALCIUM CHLORIDE OR OTHER LEGAL MEANS TO LIMIT THE SPREAD OF DUST AND SOIL PARTICLES.

PROTECTION OF TREES:

PROTECT EXISTING TREES WITHIN 5' OF CENTERLINE OF TRAIL WHICH ARE TO REMAIN AND WHICH MAY BE INJURED, BRUISED, DEFACED, OR OTHERWISE DAMAGED BY CONSTRUCTION OPERATIONS, UTILIZING STANDARD TREE PROTECTION CRITERIA INCLUDING:

- 1. INSTALLATION OF SAFETY ORANGE PLASTIC FENCING (MINIMUM 4' IN HEIGHT) AROUND INDIVIDUAL TREES DESIGNATED FOR PROTECTION. FENCING SHALL BE INSTALLED AT THE OUTWARD LIMIT OF THE TREE'S DRIPLINE OR EXTENT OF CANOPY COVER.
- 2. INSTALLATION OF SAFETY ORANGE PLASTIC FENCING (MINIMUM 4' IN HEIGHT) AROUND GROUPS OF TREES DESIGNATED FOR PROTECTION.
- TREE AND/OR SHRUB BRANCHES IN THE WAY OF EQUIPMENT SHALL BE TRIMMED ACCORDING TO PROFESSIONAL HORTICULTURAL STANDARDS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR AND SUB-CONTRACTORS USE EQUIPMENT TO DEMOLISH BRANCHES AS WORK PROCEEDS.

REQUIRED FENCING SHALL BE INSTALLED PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND SHALL BE REMOVED AT THE CONCLUSION OF CONSTRUCTION. REMOVE DISPLACED ROCKS FROM UNCLEARED AREAS. TREES WITH 30% OR MORE OF THEIR ROOT SYSTEMS DESTROYED BY APPROVED EXCAVATION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND OWNER'S REPRESENTATIVE. REMOVAL OF TREES AND THE PROCEDURE FOR REMOVAL REQUIRES APPROVAL OF THE OWNER. TREES DESIGNATED FOR REMOVAL SHALL BE REMOVED IN A MANNER THAT WILL NOT IMPACT ADJACENT TREES.

LANDSCAPE REPLACEMENT:

REMOVE TREES AND OTHER LANDSCAPE FEATURES SCARRED OR DAMAGED BY EQUIPMENT OPERATIONS, AND REPLACE WITH EQUIVALENT, UNDAMAGED TREES AND LANDSCAPE FEATURES. OBTAIN OWNER'S APPROVAL BEFORE REPLACEMENT. REPLACEMENT OF TREES SHALL OCCUR ON A ONE-TO-ONE BASIS, UNLESS OTHERWISE NOTED.

SUGGESTED EROSION CONTROL CONSTRUCTION SCHEDULE

- PROTECTION.
- DRIVEWAY STONE HAS NOT YET BEEN PLACED.
- STONE DRIVEWAY OR CONSTRUCTION ACCESS DRIVE.
- VULNERABLE TO SEDIMENT ACCUMULATIONS.
- COMPLETE SITE CLEARING, STOCKPILE SAVED MATERIALS IN DESIGNATED AREAS.
- OR AS SPECIFIED, MEASURED PERPENDICULAR TO THE SLOPE.

- BASINS OR OTHER APPROPRIATE BMP.
- FOLLOWING INSTANCES:

 - IN WRITING AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- REPRESENTATIVE AND/OR THE JURISDICTION HAVING AUTHORITY.
- CERTIFIED EROSION CONTROL SPECIALIST.

1. FLAG THE GRADING LIMITS AND MARK A 10' BUFFER AREA BEYOND THE GRADING LIMITS FOR

2. INSTALL TEMPORARY CONSTRUCTION ENTRANCE AT APPROXIMATE LOCATION OF DRIVEWAY IF

3. INSTALL PROTECTIVE MEASURES AROUND TREES TO BE RETAINED WITHIN GRADING LIMITS.

4. INSTALL BRIGHTLY COLORED CONSTRUCTION FENCE ALONG ROAD TO LIMIT VEHICULAR ACCESS TO

5. INSTALL INLET PROTECTION DEVICES AT CATCH BASINS DOWN SLOPE FROM THE SITE THAT ARE

7. INSTALL SILT FENCES IN LOCATIONS AROUND THE PERIMETER OF SITE WORK, STOCKPILE AREA AND ALONG THE CONTOUR OF ALL DISTURBED SLOPES AT A MINIMUM OF EVERY 50' OF HORIZONTAL DISTANCE

8. ROUGH GRADE SWALES AROUND PROPOSED EARTHWORK AND STRUCTURES TO EXTENT POSSIBLE WITHIN GRADING LIMITS, INSTALL SILT FENCES, STRAW BALE DIKES, DIVERSION SWALES AND OTHER EROSION CONTROL MEASURES AS SHOWN ON PLANS, AND ENSURE WATER QUALITY OF RUNOFF.

9. CONTRACTOR MUST ROUTINELY INSPECT AND MAINTAIN EROSION CONTROL DEVICES AND BEST MANAGEMENT PRACTICES (BMP'S). DOCUMENT WEEKLY INSPECTIONS IN SEPARATE CONTRACTOR'S LOG.

10. ROUTE ALL DEWATERING AND SUMP PUMP OUTFALLS OF TURBID QUALITY DIRECTLY TO SEDIMENT

11. THE CONTRACTOR SHALL INITIATE STABILIZATION OF ANY BARE SOIL AREAS, AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE OF THE RESPECTIVE AREAS OF THE SITE THE CONTRACTOR SHALL RETAIN SITE RECORDS OF THE EARTHWORK AND STABILIZATION WORK PERFORMED. EXCEPTIONS OF THIS POLICY CAN BE GRANTED UNDER NORMAL CONDITIONS IN THE

A. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IN PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.

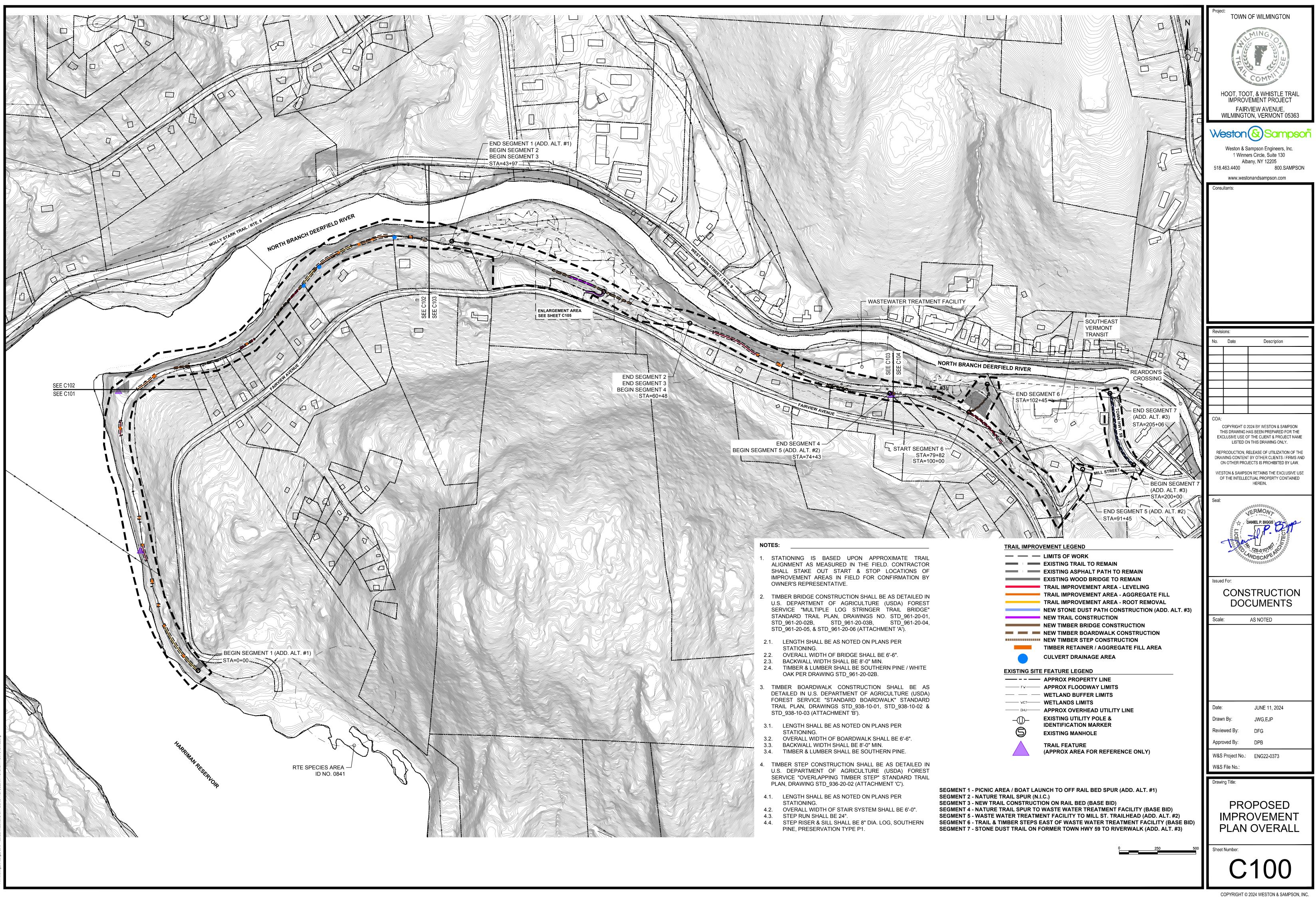
B. WHERE CONSTRUCTION ACTIVITY TON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN TWENTY-ONE (21) DAYS, TEMPORARY STABILIZATION MEASURES NEED NOT BE INITIATED ON THE PORTION OF THE SITE IF REQUESTED

12. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ATTAINED. REMOVE OF ANY EROSION CONTROL MEASURES MUST FIRST BE APPROVED BY THE OWNER'S

13. WHEN WEATHER CONDITIONS PROHIBIT SEED GERMINATION, DISTURBED GROUND SHOULD BE MULCHED WITH STRAW OR FIBER MULCH AND RECEIVE A BINDER/TACK APPLICATION OR EQUIVALENT.

14. THE SCHEDULE DESCRIPTIONS ABOVE ARE SUGGESTIONS PROVIDED TO ASSIST THE CONTRACTOR(S) IN DEVELOPING THEIR EROSION & SEDIMENT CONTROL SCHEDULE SPECIFIC TO THIS PROJECT. THE ACTUAL SCHEDULING AND IMPLEMENTATION OF THE EROSION & SEDIMENT CONTROL PLAN AND MAINTENANCE OF REQUIRED WATER QUALITY IS THE RESPONSIBILITY OF THE CONTRACTOR(S). THE EROSION AND SEDIMENT CONTROL PLAN AND DEVICES SHOWN ARE CONSIDERED TO COMPRISE THE MAJORITY OF EFFORTS NEEDED, BUT NOT NECESSARILY ALL THAT WILL BE REQUIRED. WEATHER, SITE, AND UNFORESEEN CONDITIONS CAN DICTATE THAT GREATER EFFORTS WILL BE NECESSARY. THESE CONTRIBUTIONS WILL CONSIST OF AN EROSION AND CONTROL SCHEDULE (AS SPECIFIED IN THE PROJECT MANUAL), SHORT NARRATIVE OF ANTICIPATED EROSION CONTROL ACTIVITIES, INSPECTION REPORTS AND LOGS AND SIGNED CERTIFICATION STATEMENTS AND PRE-CONSTRUCTION PHOTOGRAPHS AS SPECIFIED. THIS COMPETENT PERSON SHALL BE EITHER A LICENSED ENGINEER, LANDSCAPE ARCHITECT OR

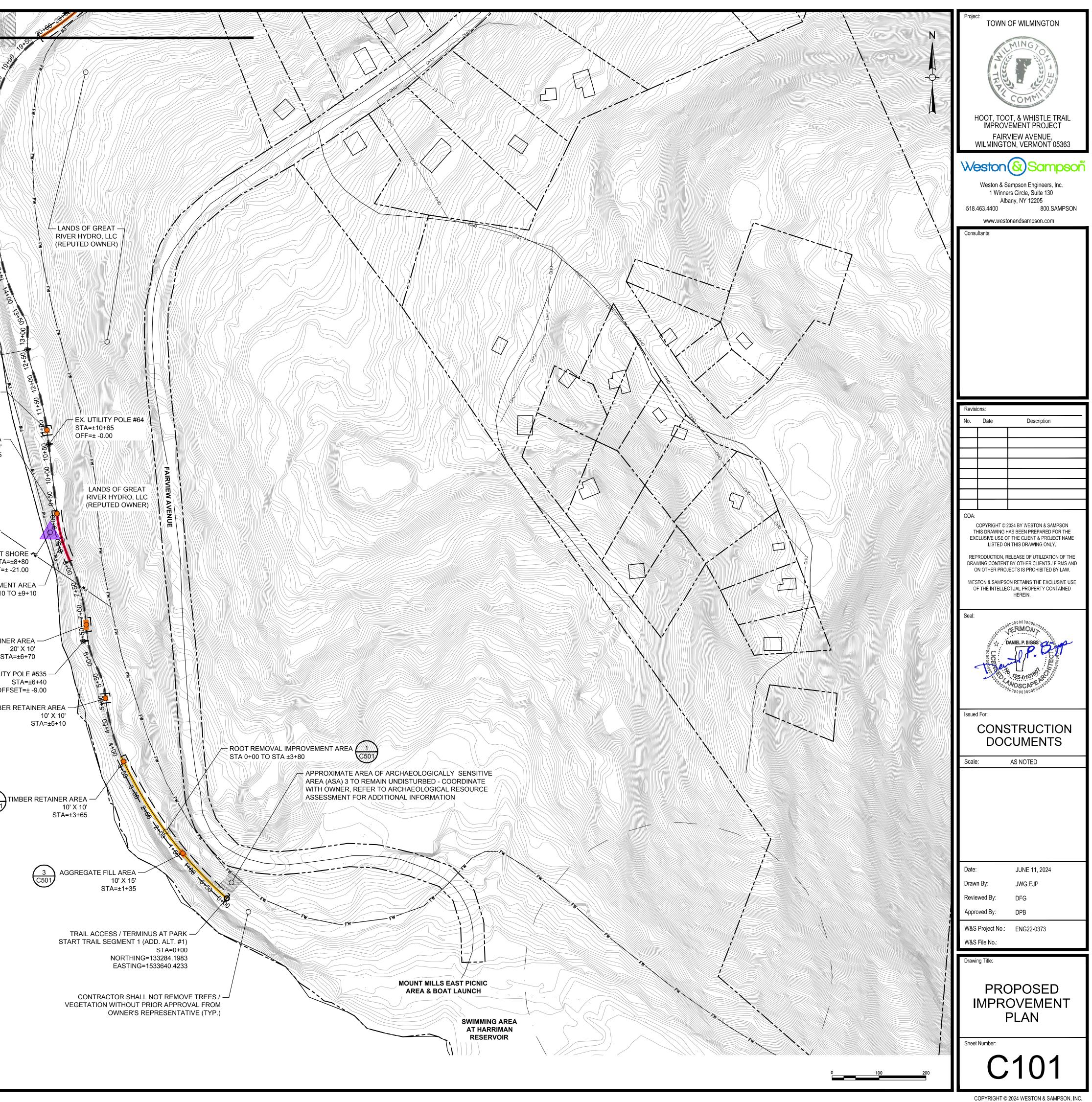
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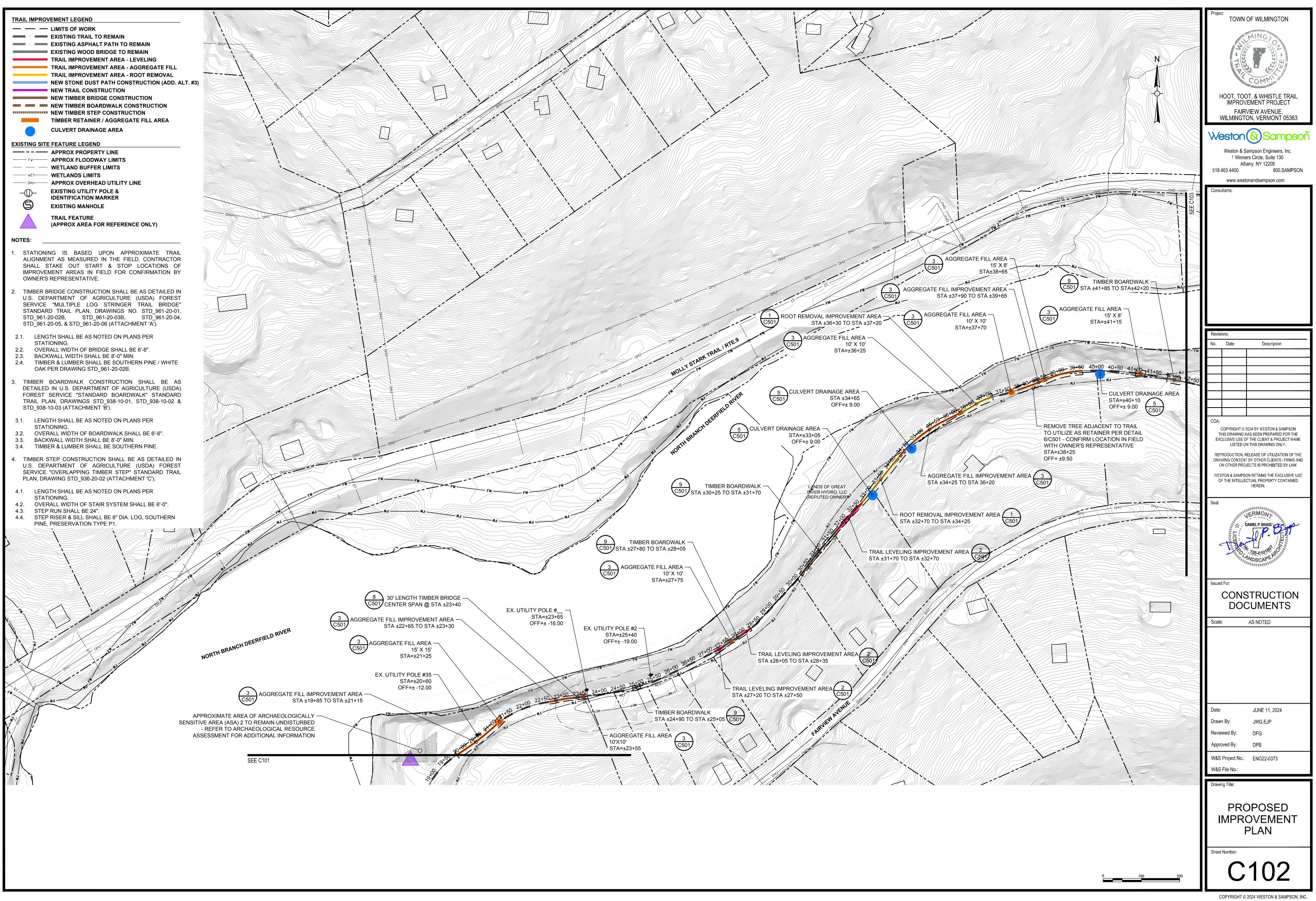


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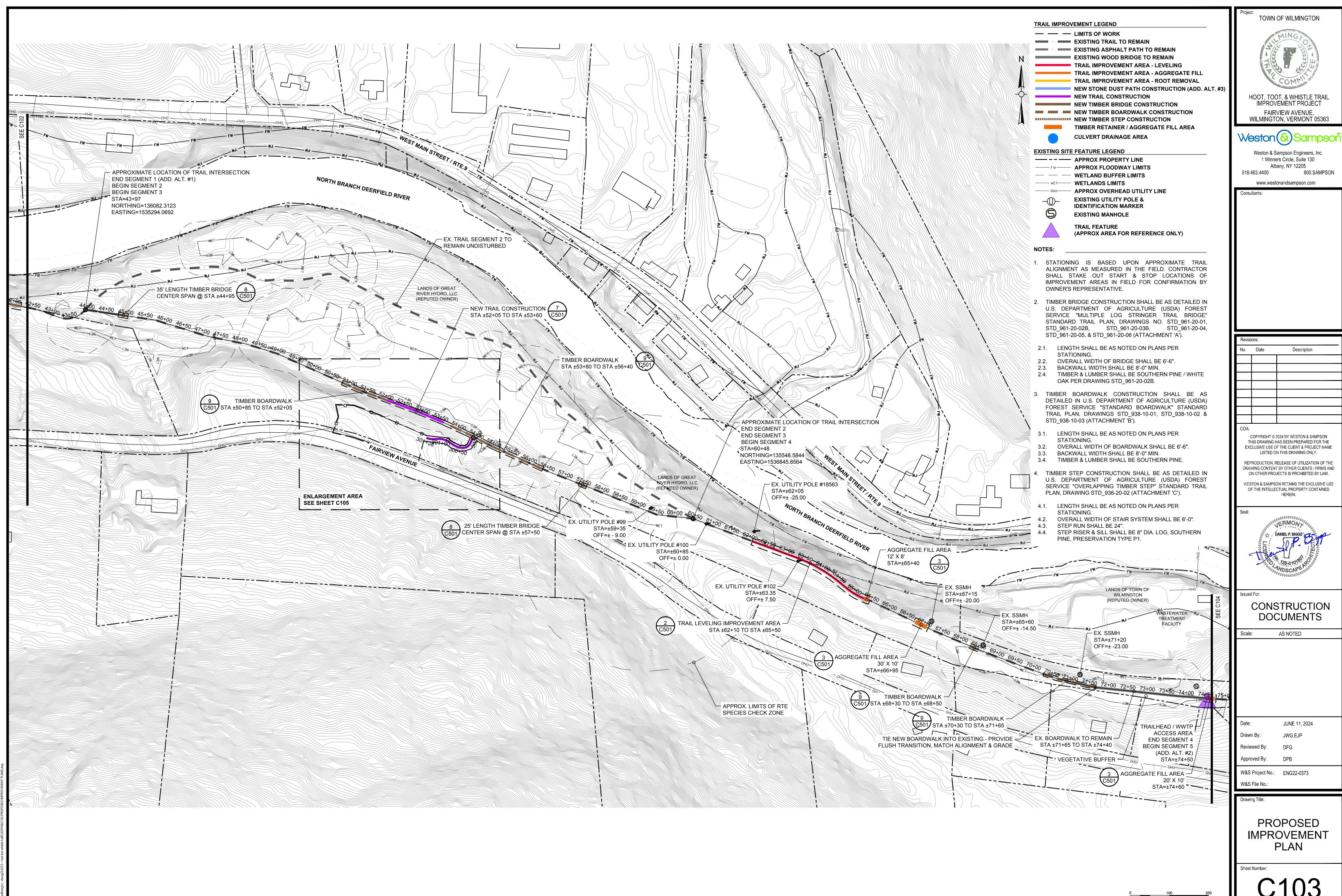
TRAIL IMPROVEMENT LEGEND		
	SEE C102	
EXISTING TRAIL TO REMAIN EXISTING ASPHALT PATH TO REMAIN		
EXISTING WOOD BRIDGE TO REMAIN TRAIL IMPROVEMENT AREA - LEVELING	APPROXIMATE AREA OF ARCHAEOLOGICALLY SENSITIVE AREA (ASA) 2 TO REMAIN UNDISTURBED - COORDINATE	- Si
TRAIL IMPROVEMENT AREA - AGGREGATE FILL TRAIL IMPROVEMENT AREA - ROOT REMOVAL	WITH OWNER, REFER TO ARCHAEOLOGICAL RESOURCE	18+50
NEW STONE DUST PATH CONSTRUCTION (ADD. ALT. #	3)	1940
NEW TRAIL CONSTRUCTION NEW TIMBER BRIDGE CONSTRUCTION		0 - 3 - 3
NEW TIMBER BOARDWALK CONSTRUCTION		St.
TIMBER RETAINER / AGGREGATE FILL AREA	EX. UTILITY POLE #52	
EXISTING SITE FEATURE LEGEND	STA=±17+35 OFF=± -10.00	
—— – – —— APPROX PROPERTY LINE	\sim	
	AGGREGATE FILL AREA	16+00
	STA=±17+00	12+20
- EXISTING UTILITY POLE & IDENTIFICATION MARKER	$\begin{array}{r} \hline 2\\ \hline \\ \hline $	
S EXISTING MANHOLE		12+00 12+00
TRAIL FEATURE (APPROX AREA FOR REFERENCE ONLY)		0674
NOTES:		
1. STATIONING IS BASED UPON APPROXIMATE TRAIL		
ALIGNMENT AS MEASURED IN THE FIELD. CONTRACTOR SHALL STAKE OUT START & STOP LOCATIONS OF		
IMPROVEMENT AREAS IN FIELD FOR CONFIRMATION BY OWNER'S REPRESENTATIVE.		
2. TIMBER BRIDGE CONSTRUCTION SHALL BE AS DETAILED IN	The EX. UTIL	LITY POLE #63
U.S. DEPARTMENT OF AGRICULTURE (USDA) FOREST SERVICE "MULTIPLE LOG STRINGER TRAIL BRIDGE"		STA=±12+70 OFF=± -1.00
STANDARD TRAIL PLAN, DRAWINGS NO. STD_961-20-01, STD_961-20-02B, STD_961-20-03B, STD_961-20-04,		GATE FILL AREA —
STD_961-20-05, & STD_961-20-06 (ATTACHMENT 'A').	rw AGGREO	GATE FILL AREA
 2.1. LENGTH SHALL BE AS NOTED ON PLANS PER STATIONING. 2.2. OVERALL WIDTH OF BRIDGE SHALL BE 6' 6" 		
 2.2. OVERALL WIDTH OF BRIDGE SHALL BE 6'-6". 2.3. BACKWALL WIDTH SHALL BE 8'-0" MIN. 2.4. TIMBER & LUMBER SHALL BE SOUTHERN PINE / WHITE 		RETAINER AREA -
OAK PER DRAWING STD_961-20-02B.	5W C501	10' X 10' STA=±9+15
3. TIMBER BOARDWALK CONSTRUCTION SHALL BE AS DETAILED IN U.S. DEPARTMENT OF AGRICULTURE (USDA)		
FOREST SERVICE "STANDARD BOARDWALK" STANDARD TRAIL PLAN, DRAWINGS STD_938-10-01, STD_938-10-02 &	^w	
STD_938-10-03 (ATTACHMENT 'B').		- FW
3.1. LENGTH SHALL BE AS NOTED ON PLANS PER STATIONING.		
 3.2. OVERALL WIDTH OF BOARDWALK SHALL BE 6'-6". 3.3. BACKWALL WIDTH SHALL BE 8'-0" MIN. 2.4. TIMPER & LUMPER SHALL BE SOUTHERN DIME. 		-rw_
3.4. TIMBER & LUMBER SHALL BE SOUTHERN PINE.	EX. ROCK C	OUTCROPPING AT S
U.S. DEPARTMENT OF AGRICULTURE (USDA) FOREST SERVICE "OVERLAPPING TIMBER STEP" STANDARD TRAIL	I	STA= OFFSET=±
PLAN, DRAWING STD_936-20-02 (ATTACHMENT 'C').	TRAIL LEVE	ELING IMPROVEME STA ±8+10
4.1. LENGTH SHALL BE AS NOTED ON PLANS PER STATIONING.	HARAMAN RESERVOIR	
4.2. OVERALL WIDTH OF STAIR SYSTEM SHALL BE 6'-0".4.3. STEP RUN SHALL BE 24".	teser.	
4.4. STEP RISER & SILL SHALL BE 8" DIA. LOG, SOUTHERN PINE, PRESERVATION TYPE P1.	ANOIR	
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		OFF
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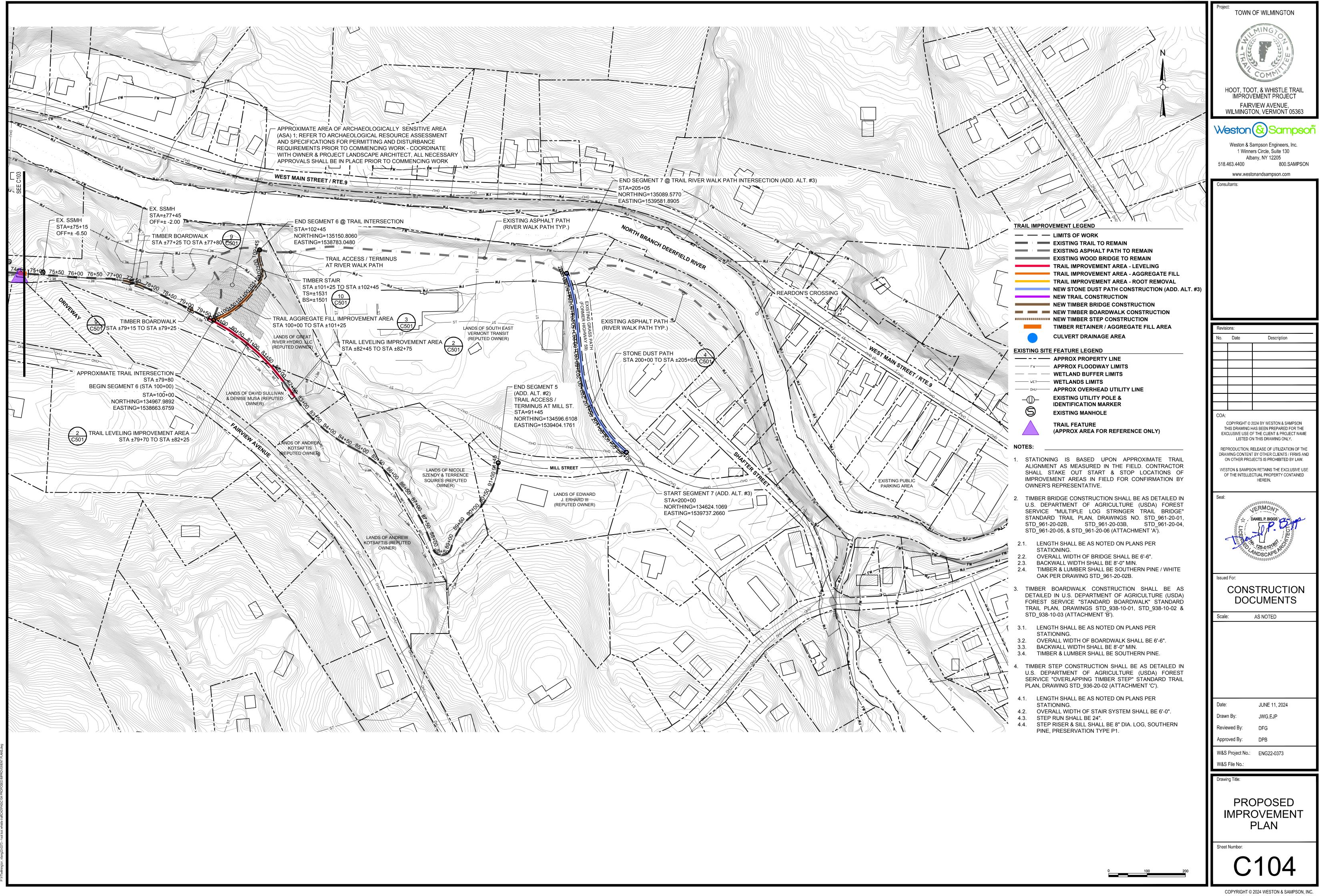


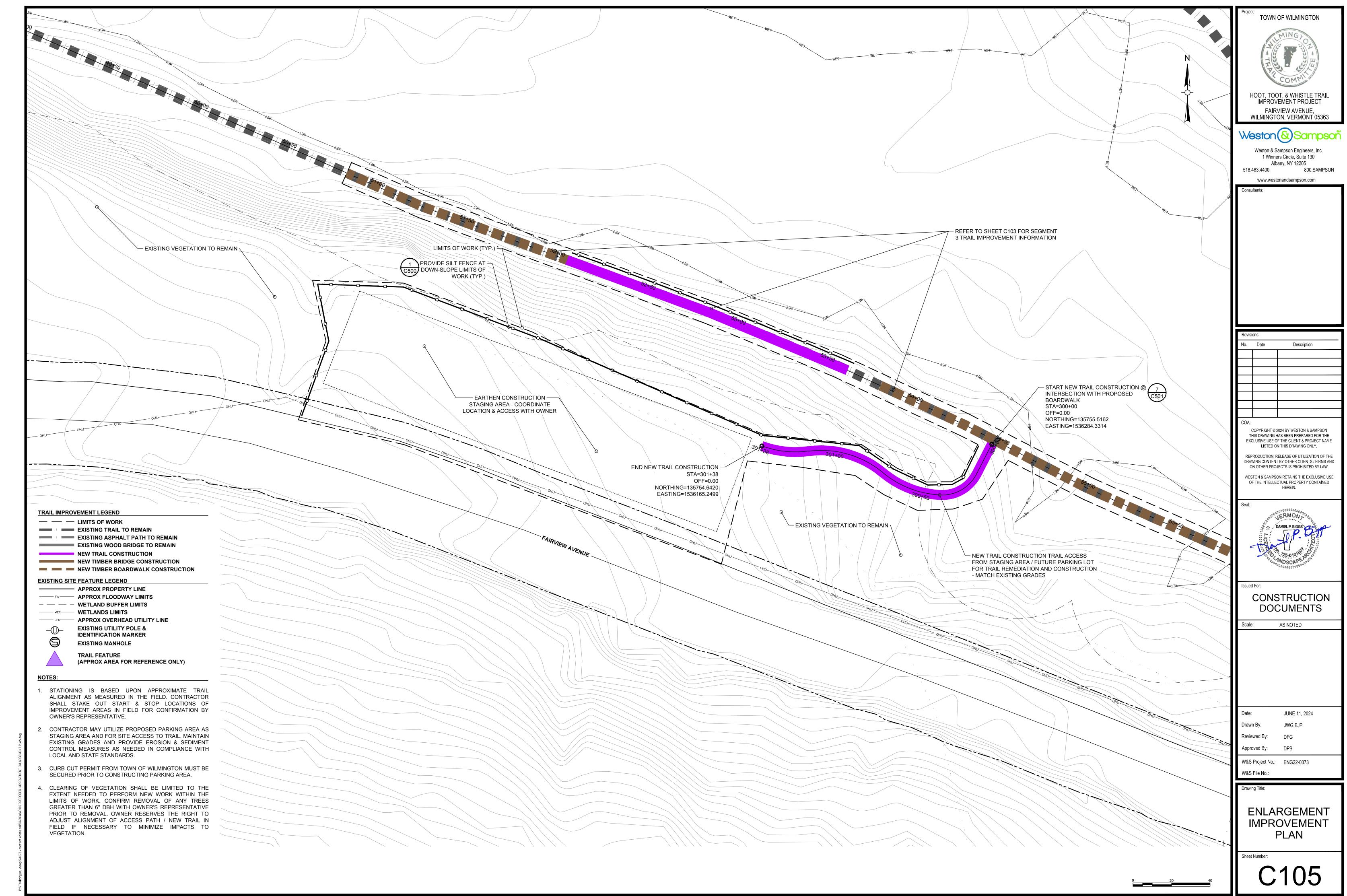


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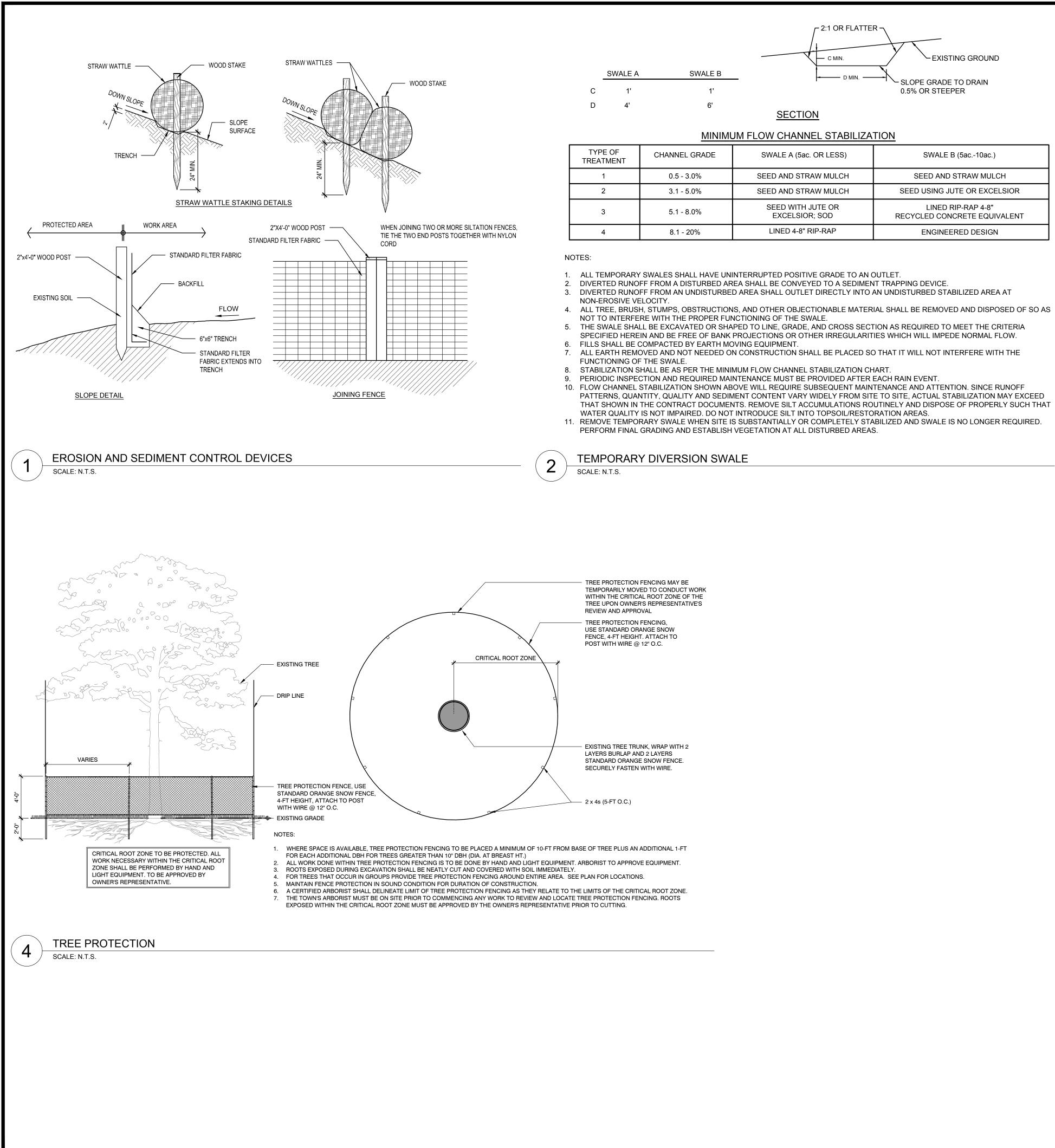


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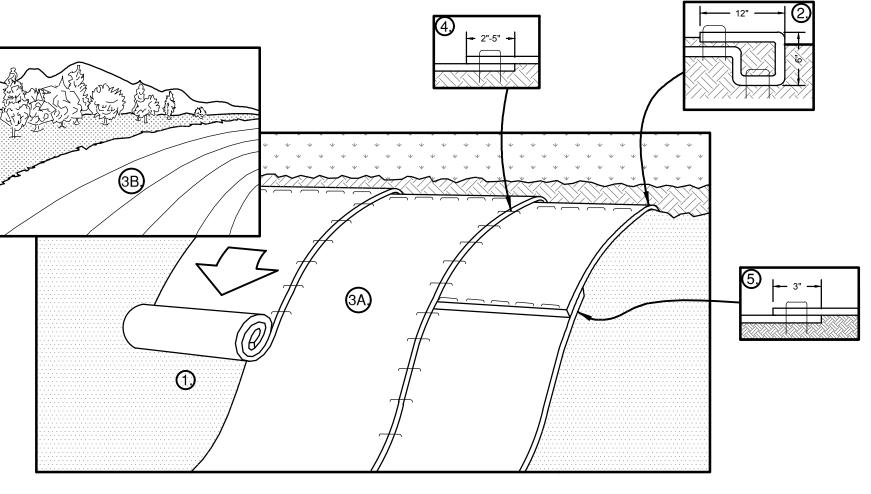


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TYPE OF TREATMENT	CHANNEL GRADE	SWALE A (5ac. OR LESS)	SWALE B (5ac10ac.)
1	0.5 - 3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1 - 5.0%	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELSIOR
3	5.1 - 8.0%	SEED WITH JUTE OR EXCELSIOR; SOD	LINED RIP-RAP 4-8" RECYCLED CONCRETE EQUIVALENT
4	8.1 - 20%	LINED 4-8" RIP-RAP	ENGINEERED DESIGN

- 10. FLOW CHANNEL STABILIZATION SHOWN ABOVE WILL REQUIRE SUBSEQUENT MAINTENANCE AND ATTENTION. SINCE RUNOFF PATTERNS, QUANTITY, QUALITY AND SEDIMENT CONTENT VARY WIDELY FROM SITE TO SITE, ACTUAL STABILIZATION MAY EXCEED THAT SHOWN IN THE CONTRACT DOCUMENTS. REMOVE SILT ACCUMULATIONS ROUTINELY AND DISPOSE OF PROPERLY SUCH THAT
- 11. REMOVE TEMPORARY SWALE WHEN SITE IS SUBSTANTIALLY OR COMPLETELY STABILIZED AND SWALE IS NO LONGER REQUIRED.



NOTES:

- WITH PAPER SIDE DOWN. THE RECP'S.

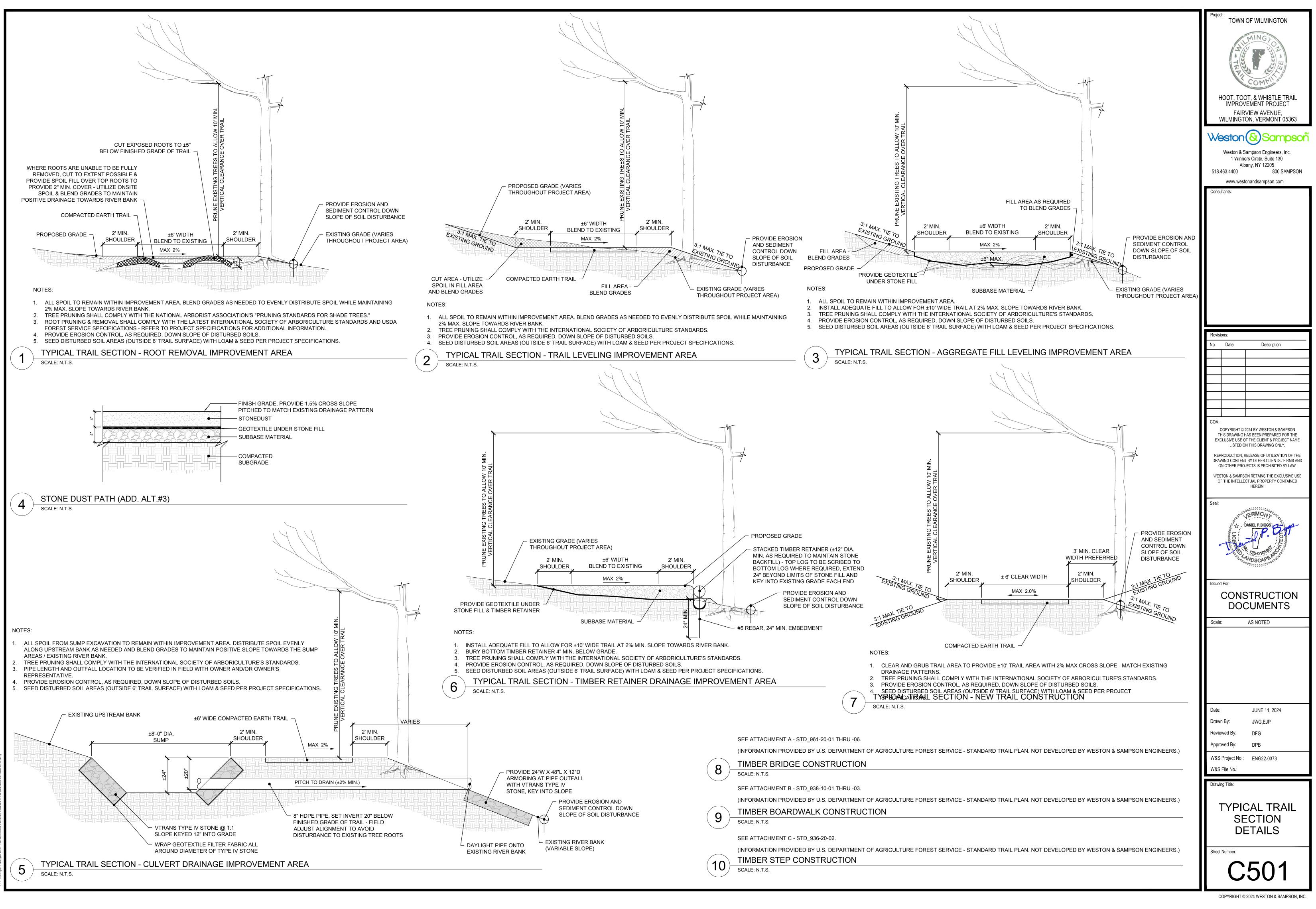


1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED. WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED

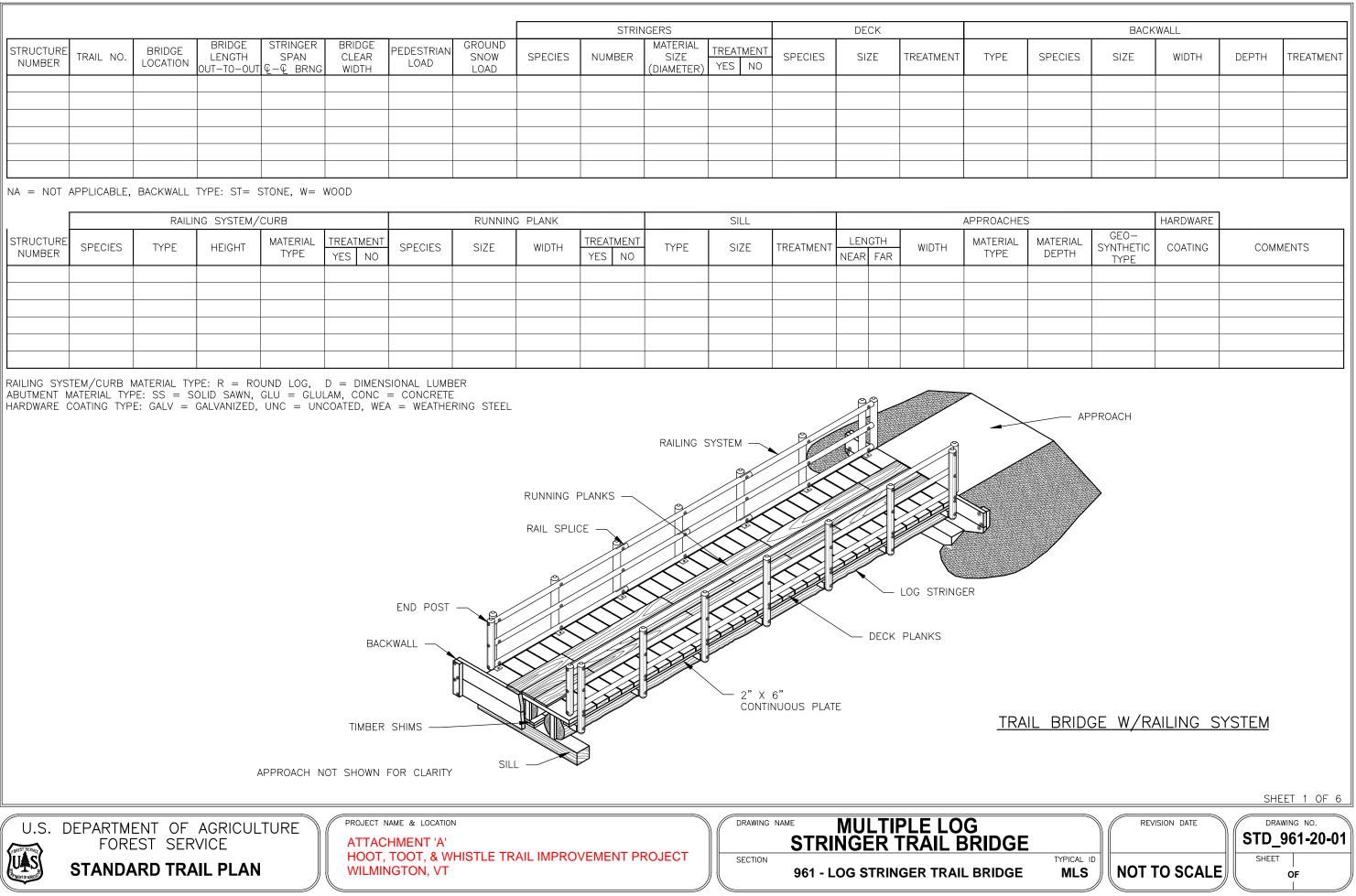
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF

ROLL THE RECP'S DOWN (A) OR HORIZONTALLY (B) ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN. 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON RECP'S TYPE. 5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS THE ENTIRE RECP'S TYPE. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE STAKES LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

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	BACKWALL							
PE SPECIES SIZE WIDTH DEPTH TREATM					TREATMENT			

ACHES			HARDWARE	
RIAL PE	MATERIAL DEPTH	GEO– SYNTHETIC TYPE	COATING	COMMENTS

GENERAL NOTES:

SPECIFICATIONS: MATERIALS AND CONSTRUCTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS (FP-03) AND STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRAILS AND TRAIL BRIDGES ON FEDERAL PROJECTS,

LOG MEMBERS: LOGS USED FOR STRINGERS SHALL BE DOUGLAS FIR OR WESTERN LARCH WITH MINIMUM, PEELED, MID-SPAN LOG DIAMETER AS NOTED FOR THE VARIOUS SPANS AND DESIGN LOADING. NATIVE TREES TO BE USED FOR BRIDGE STRINGERS SHALL BE STRAIGHT, SOUND, AND FREE OF DEFECTS AND ROT. STRINGERS SHALL BE CHOSEN FROM TREES WITH RELATIVELY FEW LIMBS, AND HAVE NO KNOT GREATER THAN 3-INCH IN DIAMETER. LOGS SHALL BE DAPPED AT ENDS TO CREATE A LEVEL BEARING SURFACE AT SUPPORTS TAKING CARE TO AVOID OVER CUTTING. HEWN UPPER SURFACE OF LOGS TO PROVIDE A LEVEL TREAD SURFACE REFER TO PLANS FOR HEWN DETAILS.

TIMBER & LUMBER: SOLID SAWN TIMBER MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF THE GRADING RULES AGENCY FOR THE SPECIES, TYPE, AND GRADE SPECIFIED BELOW.

DECK PLANKS, SILLS, AND BACKING PLANKS

– SOUTHERN PINE NO.2 GRADE, GRADING RULES AGENCY – SPIB RUNNING PLANKS

- SOUTHERN PINE NO.2 GRADING RULES AGENCY SPIB
- RAILS & POSTS (SEE PROJECT CRITERIA)
- SAWN UNTRÈATED
 - BALDCYPRESS, S4S, NO.1 GRADE GRADING RULES AGENCY SPIB
- WHITE OAK, SAS, SELECT STRUCTURAL GRADE GRADING RULES AGENCY NELMA SAWN – TREATED
- SOUTHERN PINE, S4S, NO. 2 GRADE GRADING RULES AGENCY SPIB POLES
 - SOUTHERN PINE, PEELED AND DRIED. GRADING RULES AGENCY SPIB

TREATMENT: SEE PROJECT CRITERIA FOR MEMBERS IDENTIFIED TO BE TREATED AND FOR TREATMENT TYPE. PRESERVATIVE TREATMENT SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) SPECIFICATIONS USING THE TREATMENT MATERIALS LISTED BELOW. TREATMENT WILL COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF WESTERN WOOD PRESERVERS INSTITUTE (WWPI) "BEST MANAGEMENT PRACTICES FOR THE USE OF TREATED WOOD IN AQUATIC ENVIRONMENTS".

STRINGERS, DECKING, RUNNING PLANKS, & RAILING SYSTEM, IF TREATED

- AWPA USE CATEGORY SYSTEM (U1) FOR USE CATEGORY 3B ABOVE GROUND-EXPOSED (UC3B)
- PENTACHLOROPHENOL IN LIGHT OIL (TYPE C SOLVENT)
- COPPER NAPHTHENATE (CuN) IN LIGHT OIL (TYPE C SOLVENT)
- SILLS, BACKING PLANKS, CRIBS, & TIMBER WALLS, IF TREATED
- AWPA USE CATEGORY SYSTEM (U1) FOR USE CATEGORY 4B GROUND CONTACT-HEAVY DUTY (UC4B)
- PENTACHLOROPHENOL IN HEAVY OIL (TYPE A SOLVENT)
- COPPER NAPHTHENATE (CuN) IN HEAVY OIL (TYPE A SOLVENT)

FIELD TREATMENT: COPPER NAPHTHENATE (2% SOLUTION) SHALL BE FURNISHED FOR FIELD TREATING OF WOOD. ALL ABRASIONS AND FIELD CUTS – APPROVED BY THE C.O.R. – SHALL BE CAREFULLY TRIMMED AND GIVEN THREE BRUSH COATS OF THE FIELD TREATMENT SOLUTION. WHERE APPROVED, FIELD DRILLING OF BOLT, SCREW OR NAIL HOLES IS REQUIRED. THE HOLES SHALL BE FILLED WITH PRESERVATIVE PRIOR TO INSERTING THE FASTENERS.

THE ENDS OF UNTREATED LOG STRINGERS (REFER TO THE PROJECT DESIGN CRITERIA), SHALL ALSO RECEIVE THREE BRUSH COATS OF THE FIELD TREATMENT PRIOR TO INSTALLATION OF THE BACKING PLANKS.

HARDWARE AND STRUCTURAL STEEL: SEE PROJECT DESIGN CRITERIA FOR STEEL HARDWARE FINISH. GALVANIZED OR UNFINISHED HARDWARE SHALL MEET THE REQUIREMENTS OF AASHTO M270, GRADE 36, WITH NUTS AND BOLTS CONFORMING TO ASTM A307, GRADE A. WEATHERING STEEL AND HARDWARE SHALL MEET THE REQUIREMENTS OF AASHTO M270, GRADE 50W, WITH BOLTS AND NUTS CONFORMING TO ASTM A325, TYPE 3. USE MALLEABLE IRON WASHERS AGAINST WOOD UNLESS OTHERWISE NOTED.

WHEN STRUCTURAL STEEL IS TO BE WELDED, THE WELDING PROCEDURE SHALL BE IN ACCORDANCE WITH AWS D1.1 AND SHALL BE SUITABLE FOR THE GRADE OF STEEL AND INTENDED USE OR SERVICE.

FABRICATION: SUBMIT SHOP DRAWINGS FOR ALL MANUFACTURED BRIDGE COMPONENTS (EXCEPT TIMBER RUNNING PLANKS). SHOW ALL DIMENSIONS AND FABRICATION DETAILS FOR ALL CUT OR BORED TIMBER. FIELD DRILLING OF HOLES SHALL NOT BE ALLOWED UNLESS OTHERWISE NOTED ON THE PLANS.

TREES TO BE USED FOR STRINGERS SHALL BE PEELED AND THEN HAVE AN ADDITIONAL 1/2-INCH OF THE OUTER SAPWOOD REMOVED PRIOR TO BEING USED FOR STRINGERS.

FOREST SERVICE

FOREST SERVICE STANDARD TRAIL PLAN

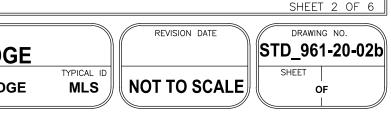
U.S. DEPARTMENT OF AGRICULTURE

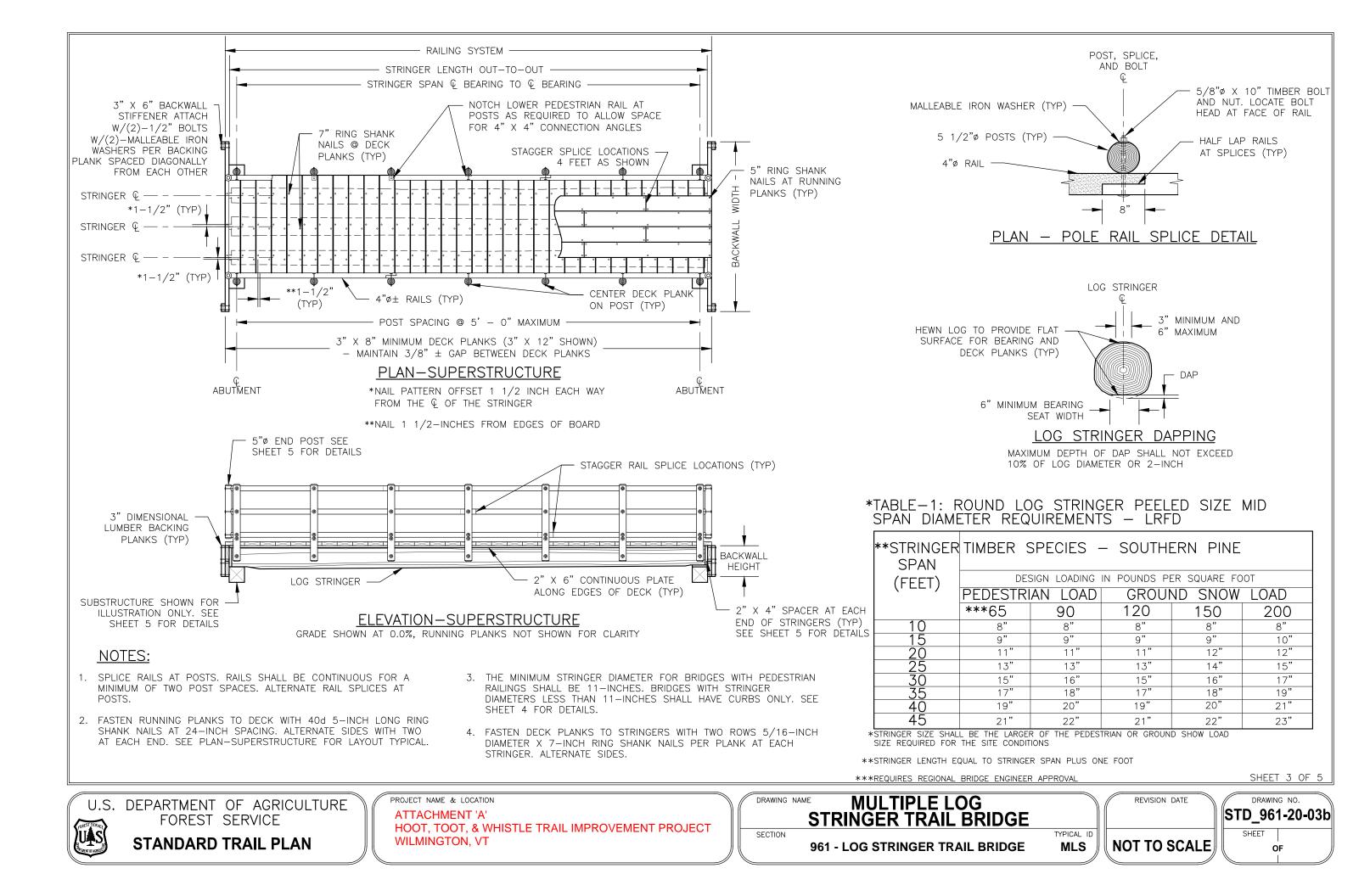
PROJECT NAME & LOCATION

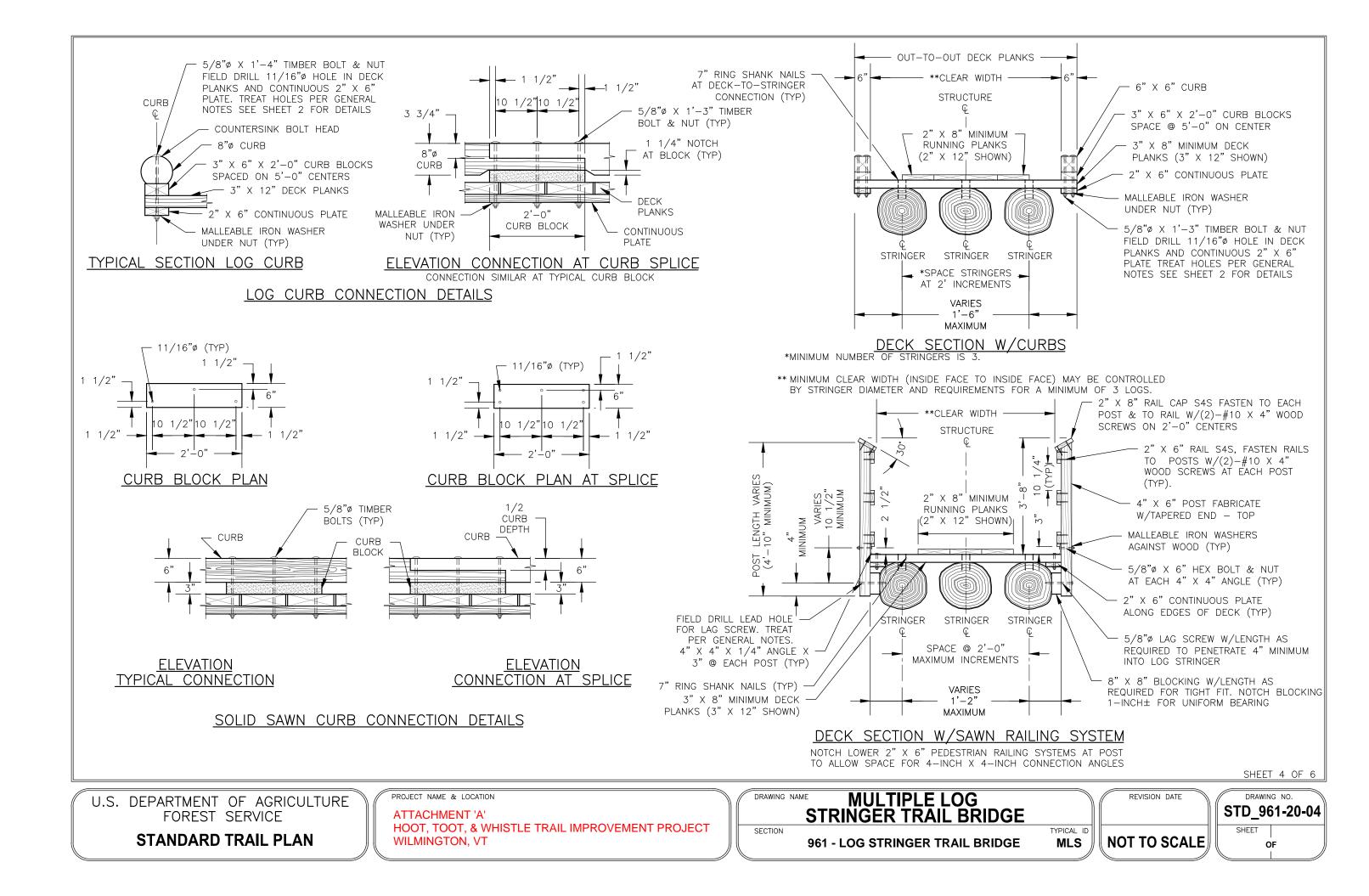
ATTACHMENT 'A' HOOT, TOOT, & WHISTLE TRAIL IMPROVEMENT PROJECT WILMINGTON, VT DRAWING NAME MULTIPLE LOG STRINGER TRAIL BRIDGE

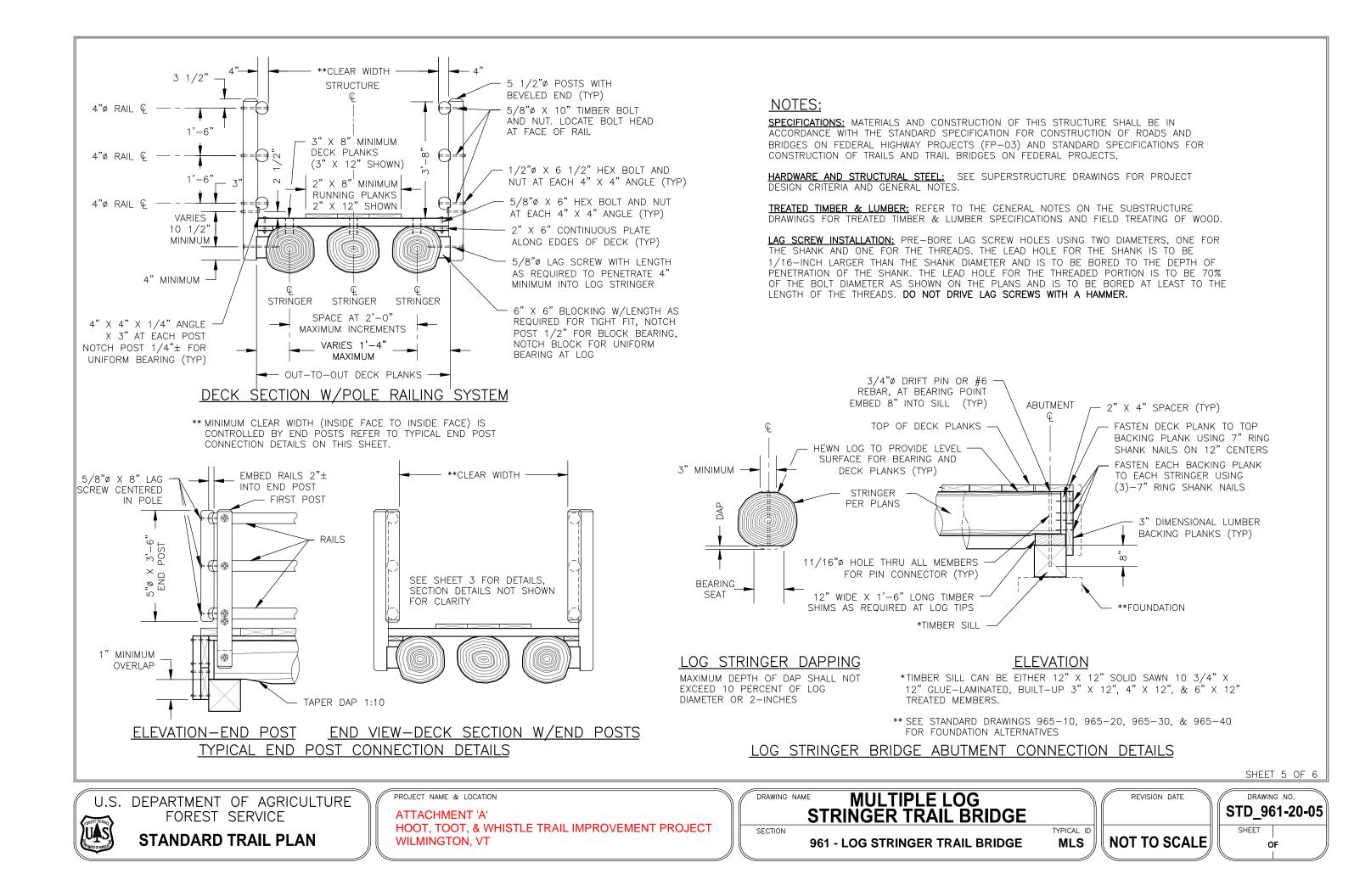
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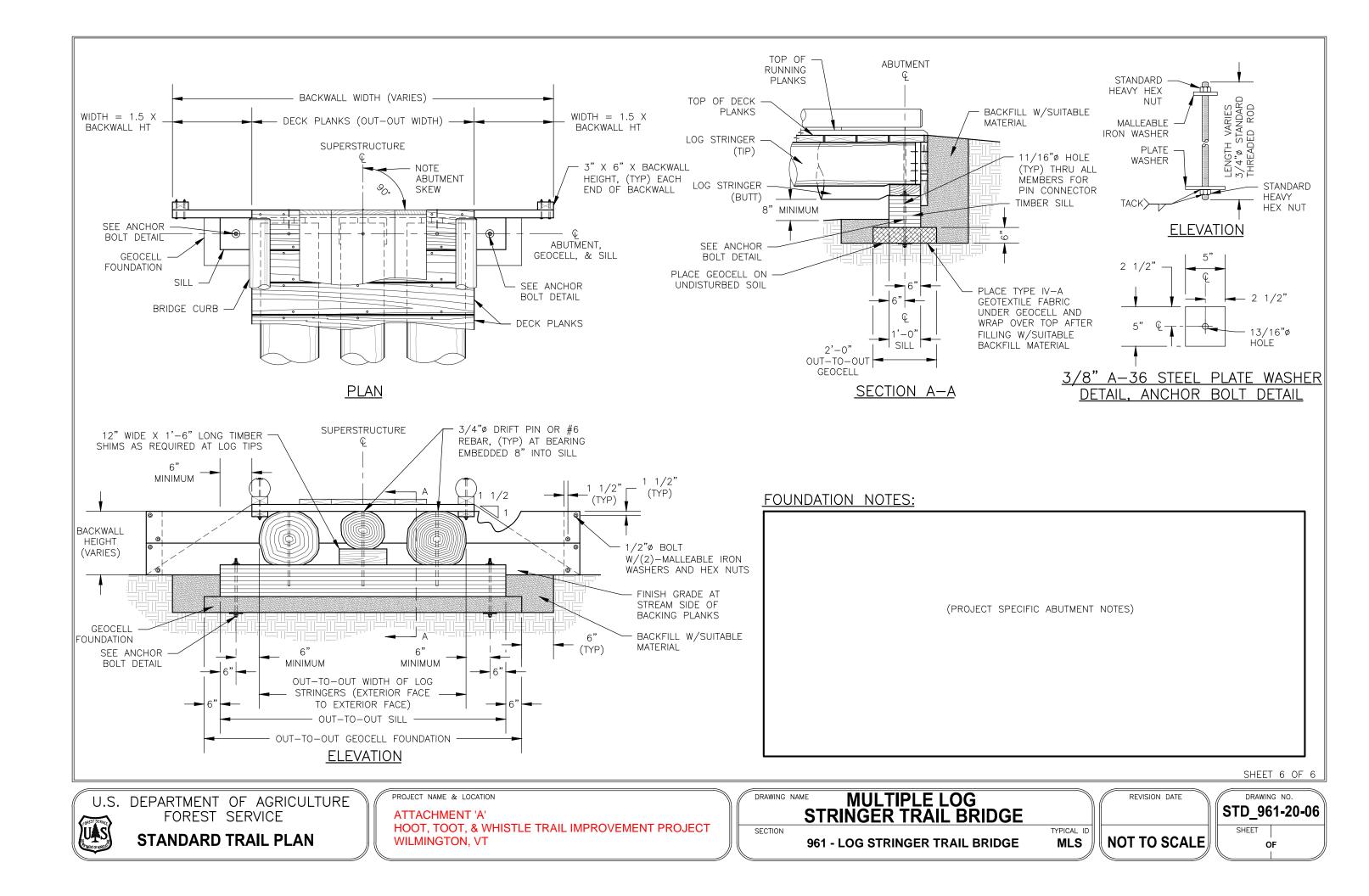
961 - LOG STRINGER TRAIL BRIDGE

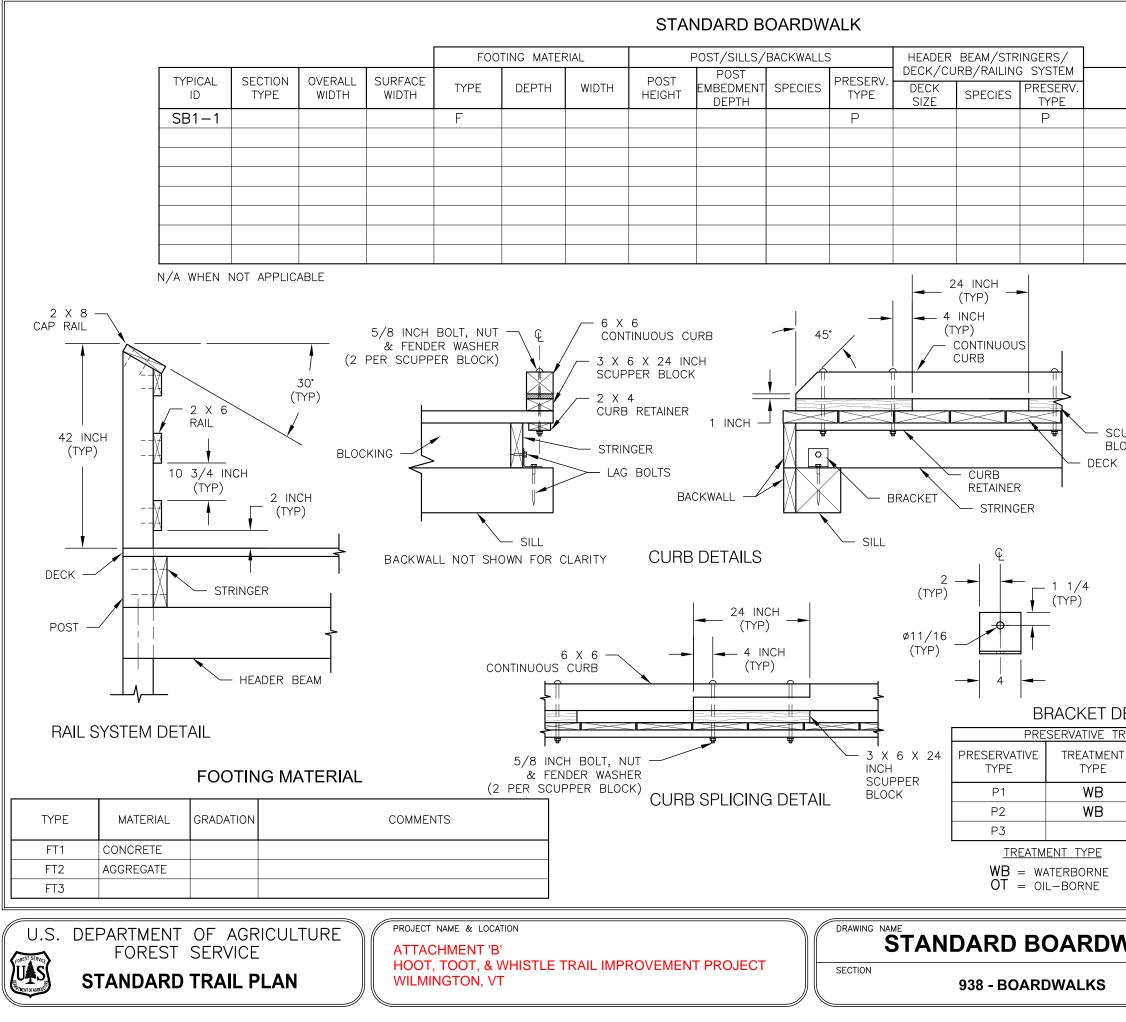












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