



DEPARTMENT OF PUBLIC WORKS  
TOWN OF HANOVER, NH  
COUNTY OF GRAFTON

# GIRL BROOK TRAIL REHABILITATION

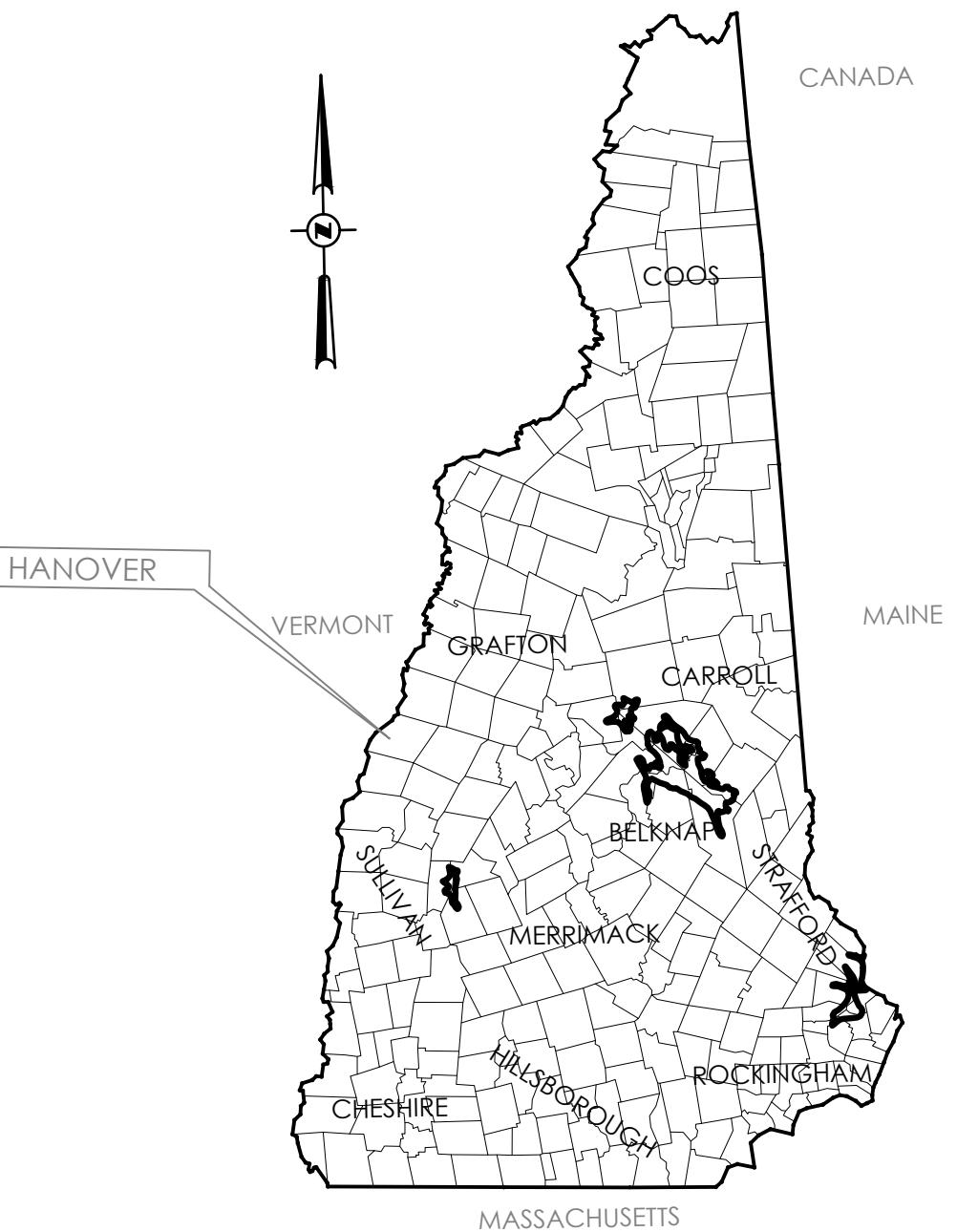
# JUNE 2025

# PRELIMINARY DESIGN SUBMISSION

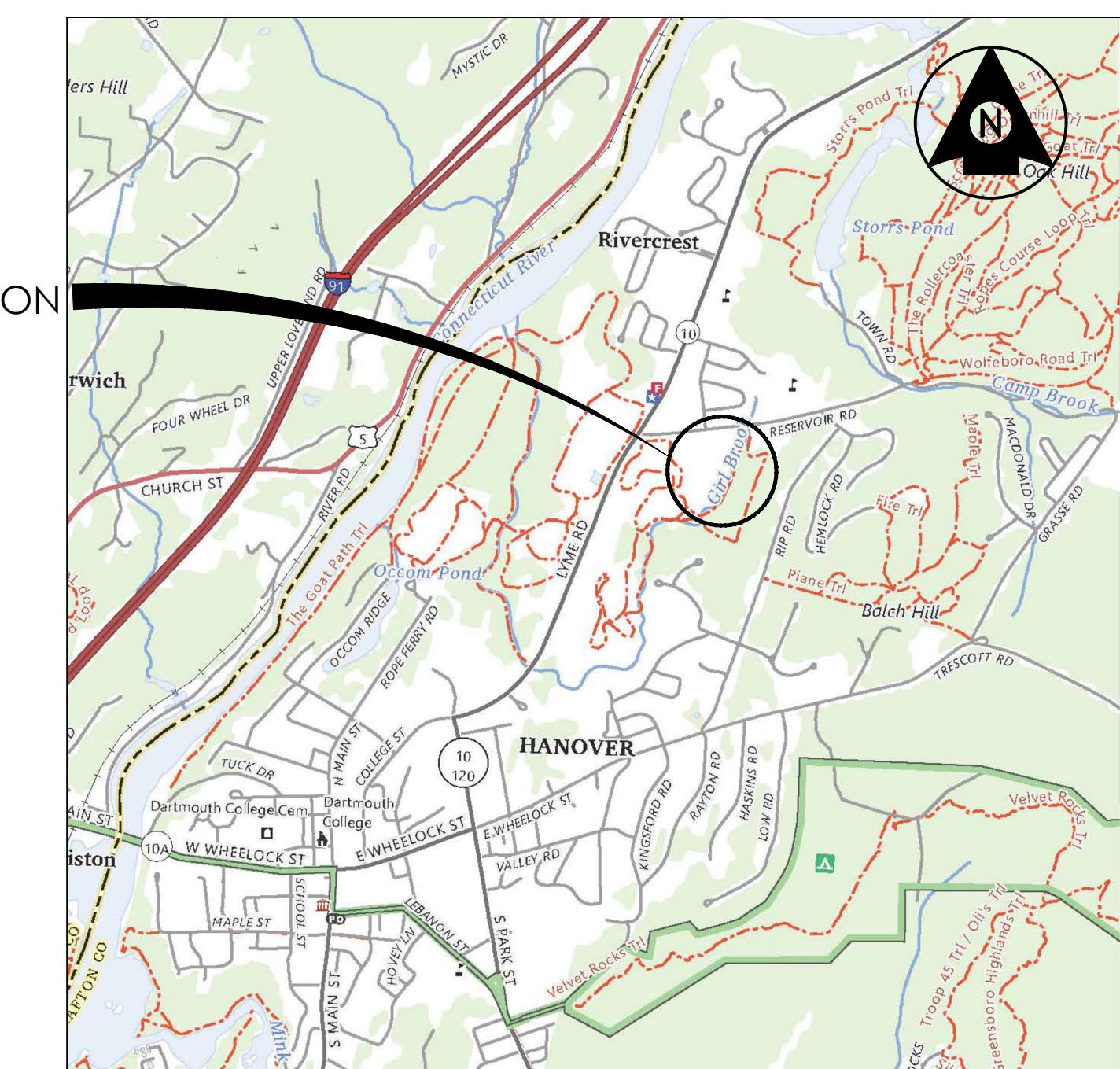
NHDOT PROJECT NUMBER: 44015  
STANTEC PROJECT NUMBER: 179450927

PLANS PREPARED BY:

STAMP:



## LOCATION MAP



## PROJECT LOCATION

## VICINITY MAP

0 1000' 2000'



## INDEX OF SHEETS

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## GENERAL NOTES

- THE MINIMUM ACCEPTABLE STANDARDS FOR ALL CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2016 EDITION AND ALL SUBSEQUENT AMENDMENTS. ITEM NUMBERS REFERENCED IN THE DRAWINGS AND THE CONTRACT DOCUMENTS ARE NHDOT ITEM NUMBERS.
- IN THE EVENT OF A CONFLICT OF INFORMATION IN THE CONTRACT DOCUMENTS, SECTION 01095 – STANDARDS AND DEFINITIONS – SECTION 1.3C ADDRESSES AND CLARIFIES THAT THE MORE STRINGENT REQUIREMENT OF THE DOCUMENTS SHALL APPLY AS DETERMINED BY THE ENGINEER.
- CONTRACTOR SHALL NOTIFY DIG-SAFE (1-888-344-7233) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR, AT HIS/HER OWN EXPENSE, ANY UNDERGROUND CABLES OR UTILITIES DAMAGED BY HIS/HER OPERATIONS INCLUDING ANY DAMAGE DONE DRIVING HIS/HER EQUIPMENT OVER EXISTING UNDERGROUND CABLES OR UTILITIES.
- ALL CLEARING LIMITS AND TREE REMOVALS, IF REQUIRED, MUST BE MARKED OUT AND REVIEWED BY THE TOWN OF HANOVER AND THE ENGINEER PRIOR TO BEGINNING ANY CLEARING AND TREE REMOVAL OPERATIONS. THE CONTRACTOR SHALL TAKE NOTE OF THE REQUIREMENTS RELATIVE TO THE NORTHERN LONG EARED BAT AS INDICATED IN SECTION 01010 – PROSECUTION OF WORK.
- ALL ROADS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES, EXCEPT WHEN A TEMPORARY DETOUR SHALL BE USED. NO DETOUR SHALL BE USED WITHOUT PRIOR APPROVAL OF THE ENGINEER AND OWNER. WHEN A DETOUR IS NOT IN PLACE, A MINIMUM OF ONE LANE TWO WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. TWO WAY TRAFFIC MUST BE RESTORED AT THE END OF EACH WORK DAY. THE CONTRACTOR MUST CONTACT THE HANOVER FIRE, POLICE, AND SCHOOL DEPARTMENTS PRIOR TO BEGINNING CONSTRUCTION AT THE START OF EACH WORK DAY. THE CONTRACTOR SHALL PROVIDE ALL SIGNAGE, BARRICADES, AND FLAGGERS AS REQUIRED FOR TRAFFIC CONTROL AND COORDINATION WITH OTHER CONSTRUCTION OPERATIONS ON ADJACENT STREETS. ALL TRAFFIC CONTROL PLANS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE TOWN.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION OPERATIONS AND TRAFFIC CONTROL WITH OTHER TOWN PROJECTS.
- WORK SHALL NOT BEGIN BEFORE 7:00 AM AND MUST END BY 5:00 PM UNLESS OTHERWISE APPROVED BY THE TOWN IN WRITING. NO WORK ON WEEKENDS SHALL BE PERMITTED UNLESS OTHERWISE APPROVED BY THE TOWN IN WRITING. SEE SECTION 01010 – PROSECUTION OF WORK, RELATIVE TO ADDITIONAL REQUIREMENTS ASSOCIATED WITH WORK HOURS AND SCHEDULE.
- ALL PERMANENT CONSTRUCTION WARNING SIGNS MUST BE ERECTED PRIOR TO BEGINNING CONSTRUCTION.
- ALL PERMANENT AND TEMPORARY TRAFFIC CONTROL SIGNS SHALL MEET THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
  - A. PERMANENT CONSTRUCTION SIGNS SHALL CONFORM TO NHDOT "WORK ZONE TRAFFIC CONTROL STANDARD PLANS" SHEET TC-3 WITH REGARD TO SIGN TYPE, QUANTITY AND LAYOUT.
  - B. TEMPORARY CONSTRUCTION SIGNS USED FOR DAILY LANE CLOSURES AND TRAFFIC CONTROL SHALL CONFORM TO NHDOT "WORK ZONE TRAFFIC CONTROL STANDARD PLANS" SHEET TC-4 AND APPLICABLE HIGHWAY DESIGN DETAIL SHEETS WITH REGARD TO TAPER LENGTHS, CHANNELIZING DEVICES AND SIGN TYPE, QUANTITY AND LAYOUT. REMOVE THOSE EXCESS MATERIALS FROM SITE AT NO EXPENSE TO THE OWNER.
- THE CONTRACTOR MUST COORDINATE ALL WORK WITH THE TOWN OF HANOVER, THE ENGINEER, AND ANY AFFECTED ABUTTERS. ALL WORK OUTSIDE THE ROADWAY RIGHT OF WAY CAUSED BY THE CONTRACTOR'S WORK PLAN SHALL BE COORDINATED WITH THE AFFECTED PROPERTY OWNER. WORK SHALL NOT PROCEED WITHOUT APPROVAL OF THE HANOVER ENGINEERING DEPARTMENT.
- ALL ELEVATIONS AND LOCATIONS OF EXISTING UTILITY AND DRAINAGE STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO UTILIZATION OF THE DESIGN ELEVATIONS SHOWN ON THE PLAN.
- BACKFILL OF THE TRENCHES SHALL BE COMPACTED TO 95% MAX. DRY DENSITY UNDER ALL PAVED AREAS AND 92% MAX. DRY DENSITY UNDER OTHER AREAS IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS – SECTION 304.
- SHORING AND STABILIZATION OF TRENCH SIDEWALLS DURING EXCAVATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL CULVERTS, DRAINAGE STRUCTURES, UTILITY WORK, AND ROAD CONSTRUCTION SHALL BE SUBJECT TO FINAL INSPECTION BY THE TOWN OF HANOVER PRIOR TO ACCEPTANCE.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 4" LOAM AND SEED OVER ALL DISTURBED UNPAVED AREAS UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT CUTTING SHALL BE COMPLETED BY SAW CUTTING ONLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND FITTING OF VARIOUS ITEMS OF WORK AT THE PROJECT SITE.
- THE CONTRACTOR SHALL SUBMIT HIS/HER PROPOSED CONSTRUCTION SCHEDULE TO THE TOWN OF HANOVER FOR REVIEW AND APPROVAL AT LEAST TWO (2) WEEKS PRIOR TO THE START OF CONSTRUCTION. NO WORK SHALL BE CONDUCTED WITHOUT AN APPROVED SCHEDULE. UPDATED SCHEDULES SHALL BE PROVIDED TO THE TOWN OF HANOVER FOR REVIEW AND APPROVAL EVERY TWO (2) WEEKS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE EPA NPDES PHASE II PROGRAM AND SUBSEQUENT PROGRAMS AS APPLICABLE AT THE TIME OF CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL PROVIDE FOR AND MAINTAIN CONTINUOUS DRAINAGE THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES AND SHALL PROVIDE ALL NECESSARY CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE, AND STRENGTH TO PREVENT ACCESS TO ALL OPEN EXCAVATIONS AT THE COMPLETION OF EACH DAY'S WORK.
- WOOD FROM TREES TO BE REMOVED FROM THE PROJECT SHALL BE FIRST OFFERED TO THE ADJACENT PROPERTY OWNER. SHOULD THE ADJACENT PROPERTY OWNER NOT WANT SOME OR ALL THE WOOD, THE CONTRACTOR SHALL REMOVE THE EXCESS WOOD FROM SITE AT NO EXPENSE TO THE TOWN OF HANOVER.
- CONTRACTOR SHALL VERIFY BENCH MARK ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.
- ALL WORK IN AND ADJACENT TO TOWN STREETS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF HANOVER STREET OPENING AND NHDOT STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL THE NECESSARY PERMITS FROM THE TOWN OF HANOVER PRIOR TO THE START OF CONSTRUCTION.
- LAYOUT OF THE PROPOSED IMPROVEMENTS INDICATED WITHIN THIS PROJECT SHALL BE CONDUCTED BY A LAND SURVEYOR LICENSED IN THE STATE OF NEW HAMPSHIRE.
- ALL MONUMENTATION AFFECTED BY THE PROJECT SHALL BE REMOVED AND RESET BY THE CONTRACTOR'S LICENSED LAND SURVEYOR. THE CONTRACTOR'S LAND SURVEYOR SHALL BE LICENSED IN THE STATE OF NEW HAMPSHIRE.
- THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE PROJECT PERMITS (SEE CONTRACT DOCUMENTS). THIS WORK SHALL BE CONSIDERED TO BE INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ALL PROJECTS, WHICH WILL ENCOMPASS CONSTRUCTION ACTIVITIES OVER THE COURSE OF TWO OR MORE CONSTRUCTION SEASONS, SHALL BE REQUIRED TO HOLD A "PROJECT WINTER MAINTENANCE MEETING" PRIOR TO OCTOBER 15TH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SNOW REMOVAL REQUIRED FOR CONSTRUCTION. PLACING AND REMOVING SNOW ON PRIVATE PROPERTY SHALL NOT BE ALLOWED. THE REMOVAL OF SNOW SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL PROVIDE FOR TEMPORARY MEASURES TO MAINTAIN PEDESTRIAN ACCESS THROUGH THE WORK ZONE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ALL DEMARCATIONS AROUND DELINEATED RARE PLANT AND WETLAND LOCATIONS.

## CONSTRUCTION SEQUENCE

- INSTALL PROJECT-WIDE EROSION CONTROLS, INCLUDING SILT FENCES, SILT SCREENS, STRAW BALES, AND CATCH BASIN AND CULVERT PROTECTION AS SHOWN ON THE PLANS PRIOR TO ANY EARTH MOVING OPERATIONS THAT WILL GENERATE STORMWATER RUNOFF.
- ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY  $\frac{1}{4}$ " OF RAINFALL DURING THE LIFE OF THE PROJECT. ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED AT NO CHARGE TO THE OWNER. SEDIMENT DEPOSITS SHALL BE PERIODICALLY REMOVED.
- THE CONTRACTOR SHALL TRANSPLANT IMPACTED RARE PLANTS AS NECESSARY PRIOR TO THE START OF CONSTRUCTION.
- SITE PREPARATION TO INCLUDE, BUT NOT LIMITED TO PAVEMENT AND DEBRIS REMOVAL, CLEARING AND GRUBBING, TREE REMOVAL AND STRIPPING AND STOCKPILING TOPSOIL. IN GENERAL, THE CONTRACTOR SHALL LIMIT THE AREA OF DISTURBANCE COMMENSURATE WITH THE CONTRACTOR'S CAPABILITY AND PROGRESS IN KEEPING GRADING, MULCHING, SEEDING AND TEMPORARY AND PERMANENT EROSION CONTROL MEASURES CONCURRENT WITH OPERATIONS. ALL AREAS SHALL BE TEMPORARILY STABILIZED AS SOON AS PRACTICABLE, BUT WITHIN 45 DAYS OF INITIAL DISTURBANCE, AND PERMANENTLY STABILIZED AS SOON AS PRACTICABLE, BUT NO LATER THAN 3 DAYS OF FINAL GRADING. THE AREA OF UNSTABILIZED SOIL SHALL NOT EXCEED 5 ACRES AT ANY TIME. EARTH STOCKPILES ARE TO BE SEEDED AND MULCHED AND HAVE SILT FENCE INSTALLED ON THE DOWNSLOPE SIDE.
- GRADE DRAINAGE SWALES.
- INSTALL DRAINAGE SYSTEMS, PIPES, CULVERTS, DITCHES AND TEMPORARY EROSION CONTROL PROTECTIONS IN A SEQUENCE FROM OUTLET TO INLET IN ORDER TO STABILIZE OUTLET AREAS BEFORE RUNOFF IS DIRECTED TO THEM.
- CONSTRUCT TEMPORARY CULVERTS AND DIVERSION CHANNELS AS REQUIRED.
- ROUGH GRADE SITE TO APPROXIMATE SUBGRADES ENSURING APPROPRIATE COMPACTION WHERE REQUIRED. REMOVE UNSUITABLE SOILS AND Dewater AS REQUIRED.
- GRADE AND GRAVEL TRAIL AREAS.
- INSTALL PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. AREAS OF EXPOSED SOIL WILL BE SEEDED WITH A RESTORATION SEED MIX FOR SOIL STABILIZATION FOLLOWING CONSTRUCTION THAT CONTAINS A DIVERSITY OF NATIVE HERBACEOUS FLOWERING PLANTS THAT WILL PROVIDE POTENTIAL NECTAR SOURCES FOR BUMBLEBEES AND MONARCH BUTTERFLY. THESE AREAS SHALL BE CONSIDERED STABLE WHENEVER 85% OF VEGETATIVE GROWTH IS ESTABLISHED. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL HAS BEEN INSTALLED OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- Maintain AND CLEAN ALL TEMPORARY EROSION CONTROLS AND DRAINAGE FACILITIES UNTIL VEGETATED AREAS HAVE BEEN STABILIZED AND RUNOFF IS DIRECTED TOWARDS THEM.
- REMOVE ACCUMULATED SEDIMENTS FROM EROSION CONTROL DEVICES AND DISPOSE OF IN A SECURE LOCATION. REMOVE TEMPORARY EROSION CONTROLS. DISTURBED AREAS RESULTING FROM THE REMOVAL OPERATION SHALL BE PERMANENTLY SEEDED.
- WINTER NOTES:
  - A. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
  - B. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
  - C. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES WHERE WORK HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.
  - D. THE SITE SHALL BE STABILIZED IN ACCORDANCE WITH ENV-WQ 1505.05 FOR CONSTRUCTION TAKING PLACE DURING THE PERIOD OF NOVEMBER 30TH THROUGH MAY 1ST.

Stantec Consulting Services Inc.  
5 Dartmouth Drive Suite 200  
Auburn NH 03032-3984  
Tel: (603) 669-8672  
www.stantec.com

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Notes

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By \_\_\_\_\_ Appd \_\_\_\_\_ YYYY.MM.DD  
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Client/Project Logo

Client/Project  
TOWN OF HANOVER, NH

GIRL BROOK TRAIL REHABILITATION

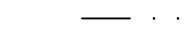
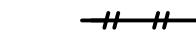
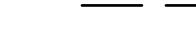
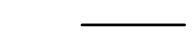
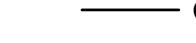
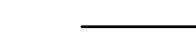
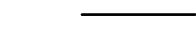
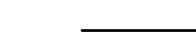
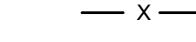
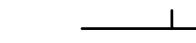
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INDEX & GENERAL NOTES

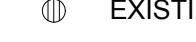
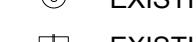
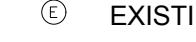
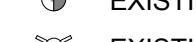
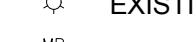
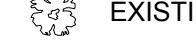
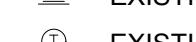
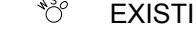
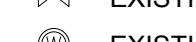
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0 2 of 20 C-002

## CIVIL LEGENDS

### PROPOSED LEGEND

PROPOSED BOUND	— 100 —	PROPOSED MAJOR CONTOUR
PROPOSED BENCHMARK	— 98 —	PROPOSED MINOR CONTOUR
PROPOSED CATCH BASIN (SQUARE)	X 95.5	PROPOSED SPOT ELEVATION
PROPOSED CATCH BASIN (ROUND)		PROPOSED RAILROAD TRACKS
PROPOSED COMMUNICATION MANHOLE		
PROPOSED CURB INLET		
PROPOSED DRAIN MANHOLE (DMH)		
PROPOSED DRILL HOLE		
PROPOSED ELECTRICAL MANHOLE		
PROPOSED GUY POLE		
PROPOSED SURVEY POINT		
PROPOSED IRON PIN		
PROPOSED NATURAL GAS MANHOLE		
PROPOSED HYDRANT		
PROPOSED SANITARY SEWER MANHOLE (SMH)		
PROPOSED SINGLE POLE SIGN		
PROPOSED DOUBLE POLE SIGN		
PROPOSED TELEPHONE MANHOLE		
TP1		
PROPOSED TEST PIT		
B1		
PROPOSED BORING		
PROPOSED UTILITY POLE		
PROPOSED WATER SHUTOFF		
PROPOSED GATE VALVE		
PROPOSED WELL		
PROPOSED FLOOD LIGHT		
PROPOSED LIGHT POST		
PROPOSED DRAINAGE FLOW		
PROPOSED CONIFEROUS TREE		
PROPOSED DECIDUOUS TREE		

### EXISTING LEGEND

EXISTING BOUND	— 100 —	EXISTING MAJOR CONTOUR
EXISTING BENCHMARK	— 98 —	EXISTING MINOR CONTOUR
EXISTING SURVEY POINT		EXISTING DITCH/SWALE
EXISTING CATCH BASIN (SQUARE)		EXISTING RAILROAD TRACKS
EXISTING CATCH BASIN (ROUND)		EXISTING EDGE OF WATER
EXISTING COMMUNICATION MANHOLE		EXISTING WETLAND BOUNDARY
EXISTING CURB INLET		EXISTING EASEMENT
EXISTING DRAIN MANHOLE (DMH)		EXISTING PROPERTY LINE
EXISTING ELECTRICAL MANHOLE		EXISTING RIGHT-OF-WAY
EXISTING GUY POLE		X 95.5 EXISTING SPOT ELEVATION
EXISTING HYDRANT		G EXISTING FUEL GAS
EXISTING IRON PIN		GAS EXISTING NATURAL GAS
EXISTING NATURAL GAS MANHOLE		OHE EXISTING OVERHEAD POWER
EXISTING SEWER MANHOLE (SMH)		UGE EXISTING UNDERGROUND POWER
EXISTING SINGLE POLE SIGN		S EXISTING SANITARY SEWER
EXISTING DOUBLE POLE SIGN		FM EXISTING SANITARY SEWER (FORCE MAIN)
EXISTING FLOOD LIGHT		SD EXISTING STORM DRAIN
EXISTING LIGHT POST		PS EXISTING PRESSURE STEAM
EXISTING MAILBOX		W EXISTING WATER MAIN
EXISTING DRAINAGE FLOW		CATV EXISTING CABLE TV
EXISTING TEST PIT		T EXISTING OVERHEAD TELEPHONE
EXISTING BORING		UGT EXISTING UNDERGROUND TELEPHONE
EXISTING STUMP		○ EXISTING GUARD RAIL
EXISTING CONIFEROUS TREE		X X X EXISTING FENCE
EXISTING DECIDUOUS TREE		○ ○ ○ ○ EXISTING CHAINLINK FENCE
EXISTING WETLAND		□ □ □ □ EXISTING WOODEN FENCE
EXISTING TELEPHONE MANHOLE		— EXISTING RETAINING WALL
EXISTING UTILITY POLE		EXISTING HAYBALES
EXISTING WATER SHUTOFF		○○○○○○○○○○ EXISTING STONE WALL
EXISTING GATE VALVE		○○○○○○○○○○ EXISTING TREE/SHRUB LINE
EXISTING WELL		

Notes

Revision

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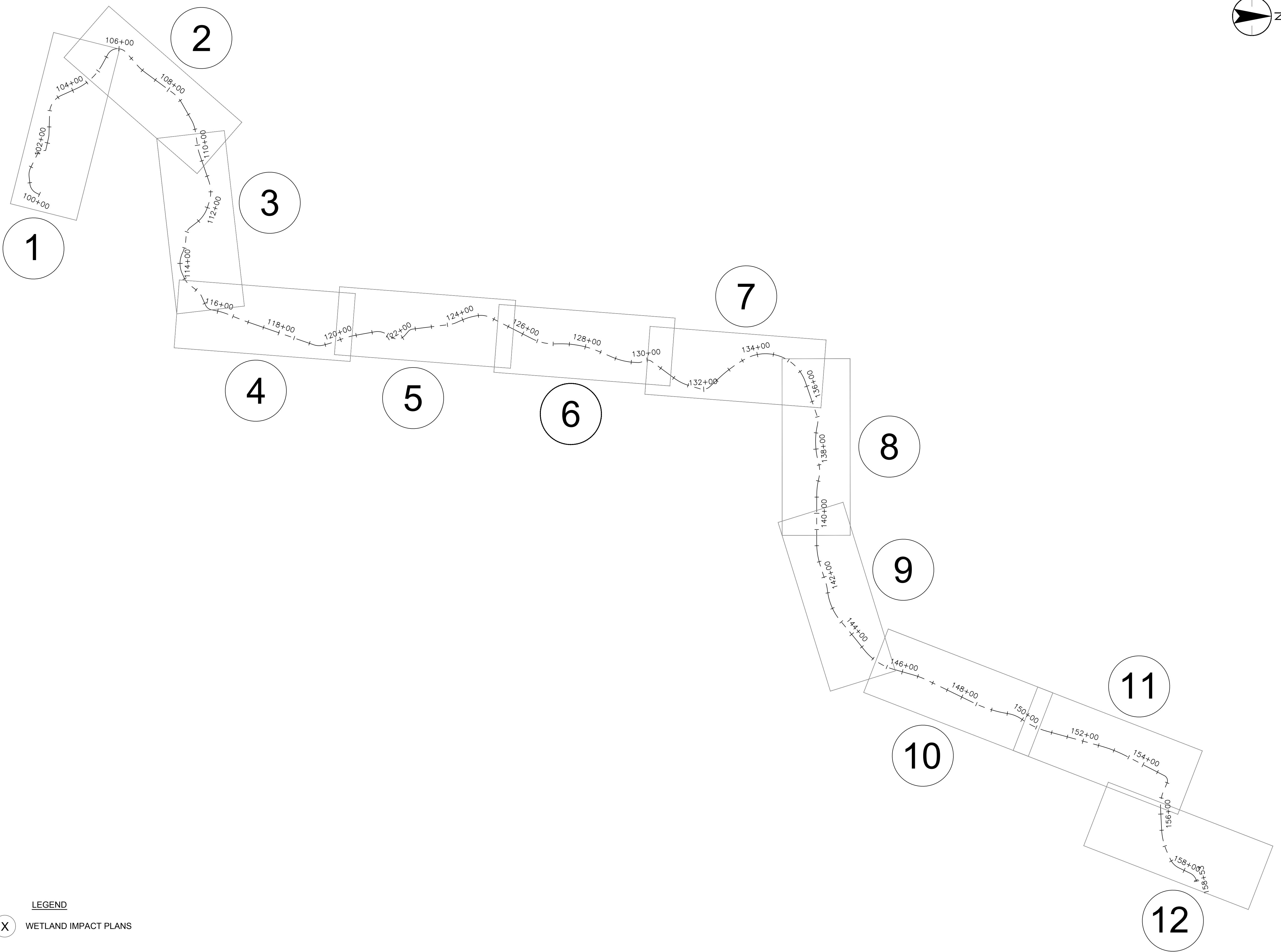
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TOWN OF HANOVER, NH

GIRL BROOK TRAIL REHABILITATION

Hanover, New Hampshire

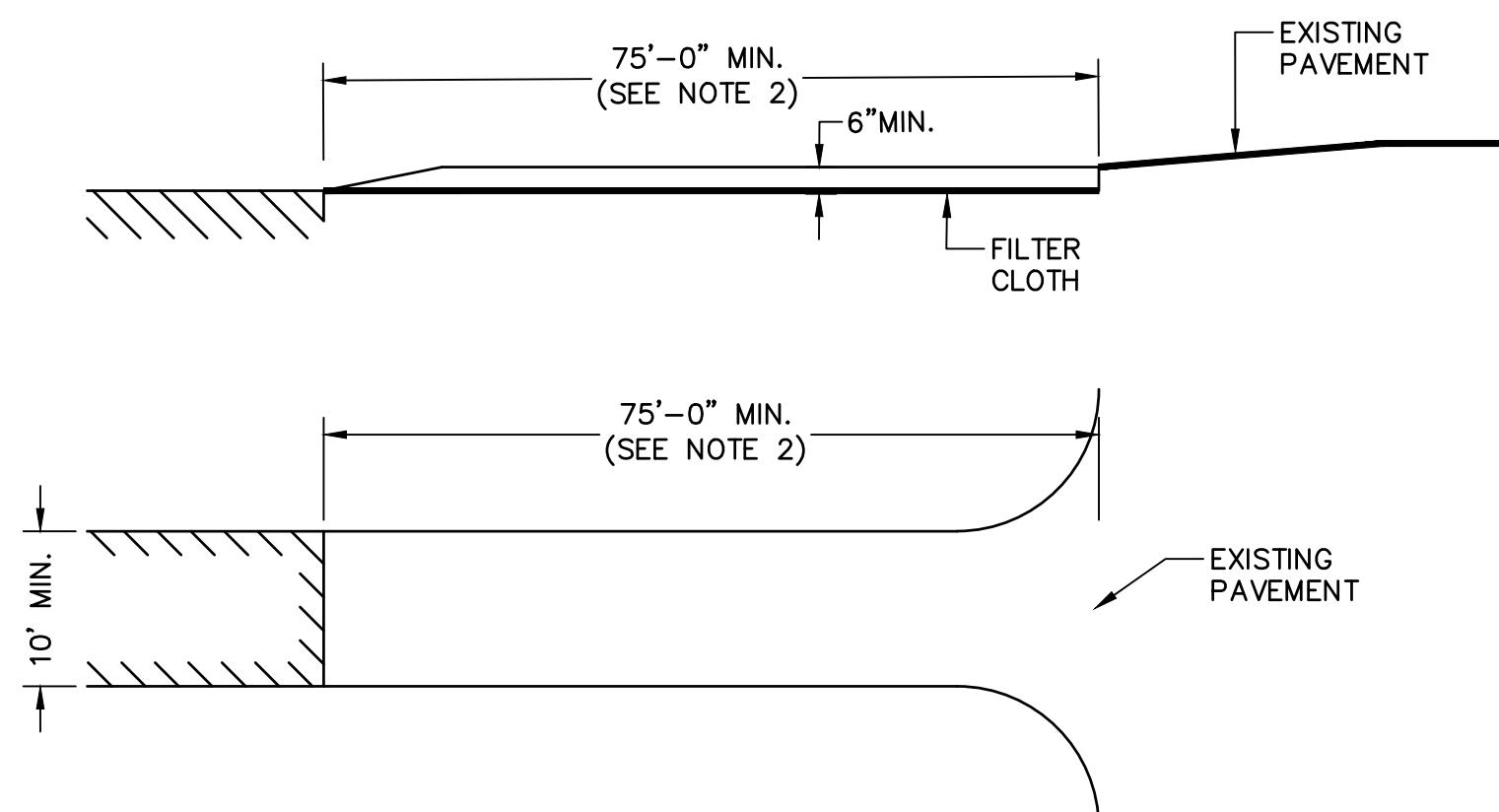
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LEGEND & SYMBOLS

Project No. 179450927 Scale AS NOTED  
 Revision 0 Sheet 3 of 20 Drawing No. C-003





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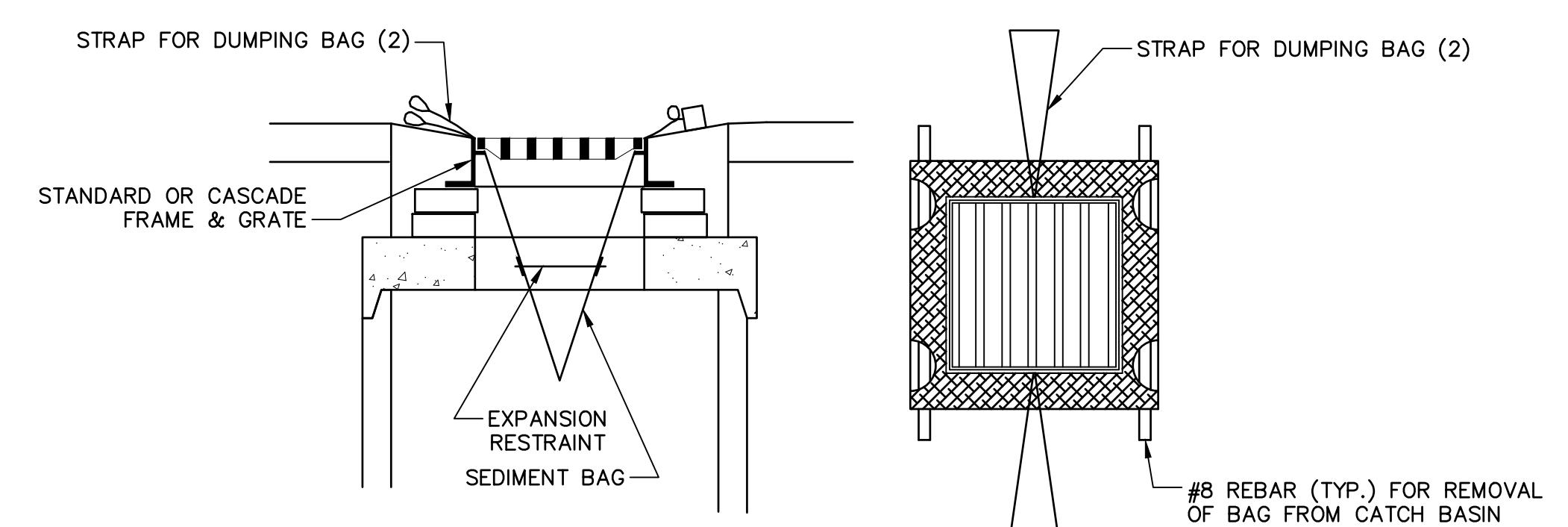


## CONSTRUCTION SPECIFICATIONS:

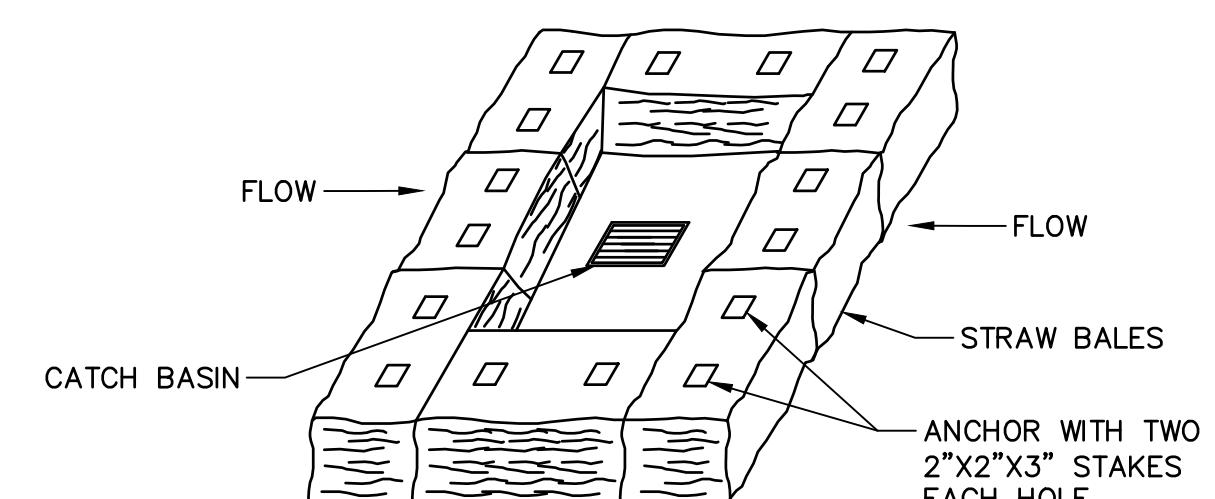
1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH MINIMUM STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE MAY BE REDUCED TO 50 FEET IF A 3 INCH TO 6 INCH HIGH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICHEVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARDS THE CONSTRUCTION ENTRANCE SHALL BE PIPED BEHNEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIRS AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENTS. ALL SEDIMENTS SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED PROMPTLY.
8. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. FOR UNDERGROUND INFILTRATION BASINS:
  - a. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
  - b. AFTER THE INFILTRATION SYSTEM AREA IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
  - c. DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

**STABILIZED CONSTRUCTION ENTRANCE**  
 NOT TO SCALE

B

**SEDIMENT CONTROL BAG AT CATCH BASIN**

NOT TO SCALE



## NOTE:

MAINTAIN EXISTING FILTERS FOR THE DURATION OF CONSTRUCTION.

Revision

By Appd YYYY.MM.DD

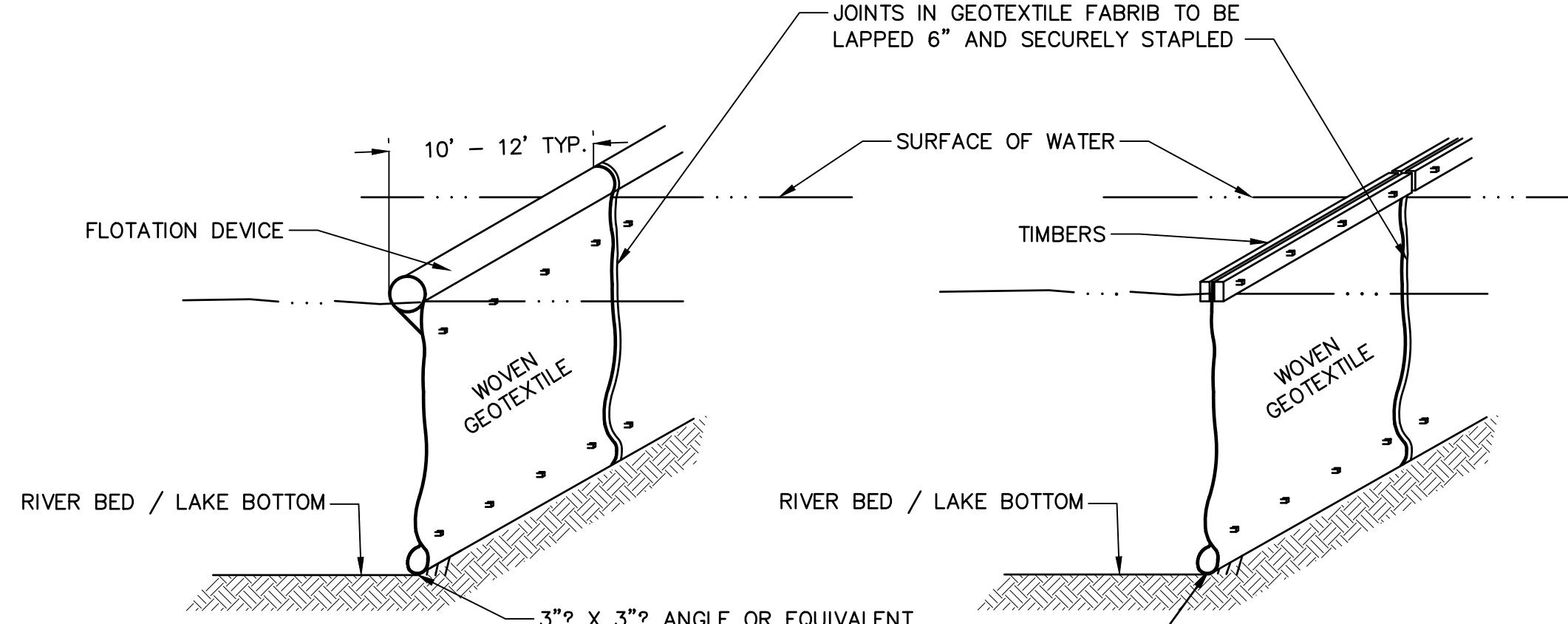
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File Name: 50927.DIL IJG Dwn. TUG Dgn. DEM 2025-04-12 Chkd. YYYY.MM.DD

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## NOTE:

THESE ARE SUGGESTED CONSTRUCTED METHODS. ACTUAL METHOD TO BE APPROVED BY THE ENGINEER

A

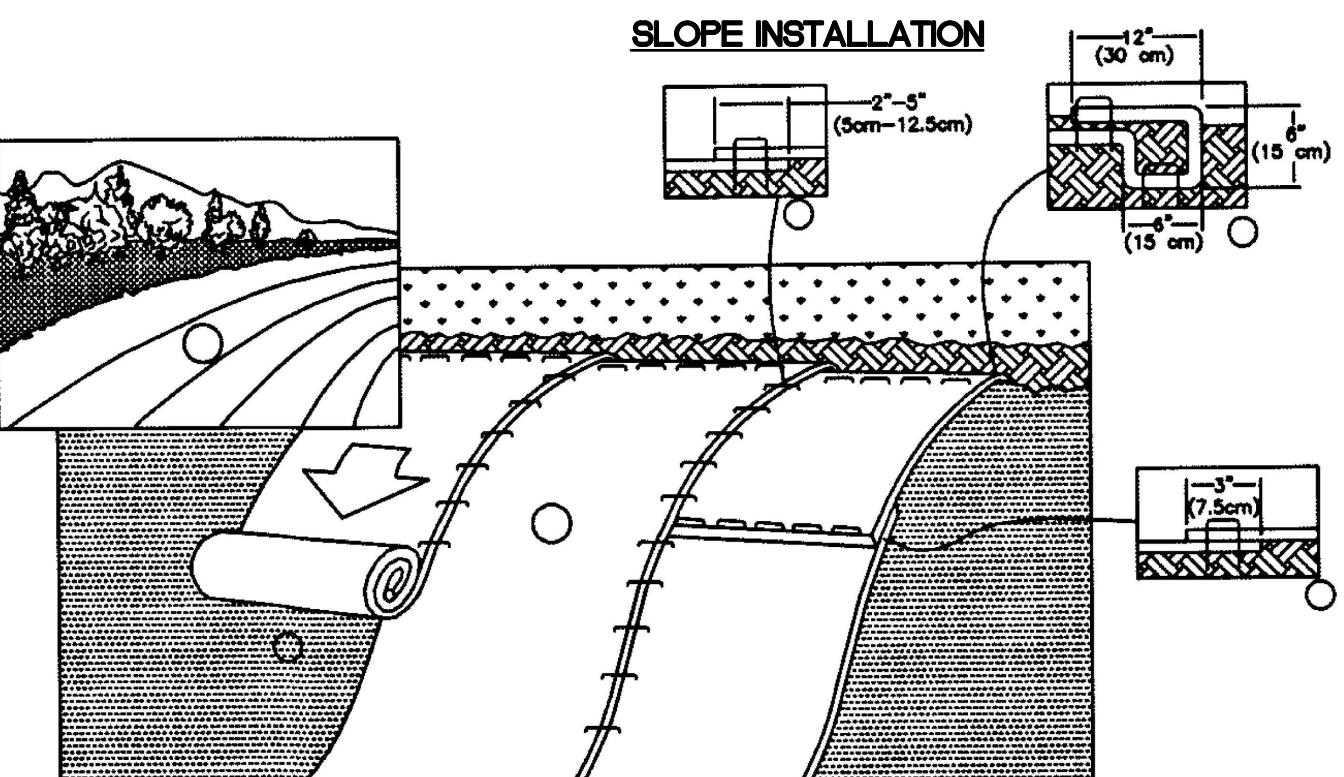
**SILT SCREEN DETAIL**  
 NOT TO SCALE
Client/Project  
TOWN OF HANOVER, NH

GIRL BROOK TRAIL REHABILITATION

Hanover, New Hampshire

 Title  
**CONSTRUCTION DETAILS (02 OF 04)**

 Project No. 179450927 Scale AS NOTED  
 Revision 0 Sheet 6 of 20 Drawing No. DET-02  
 ORIGINAL SHEET - ANSI D

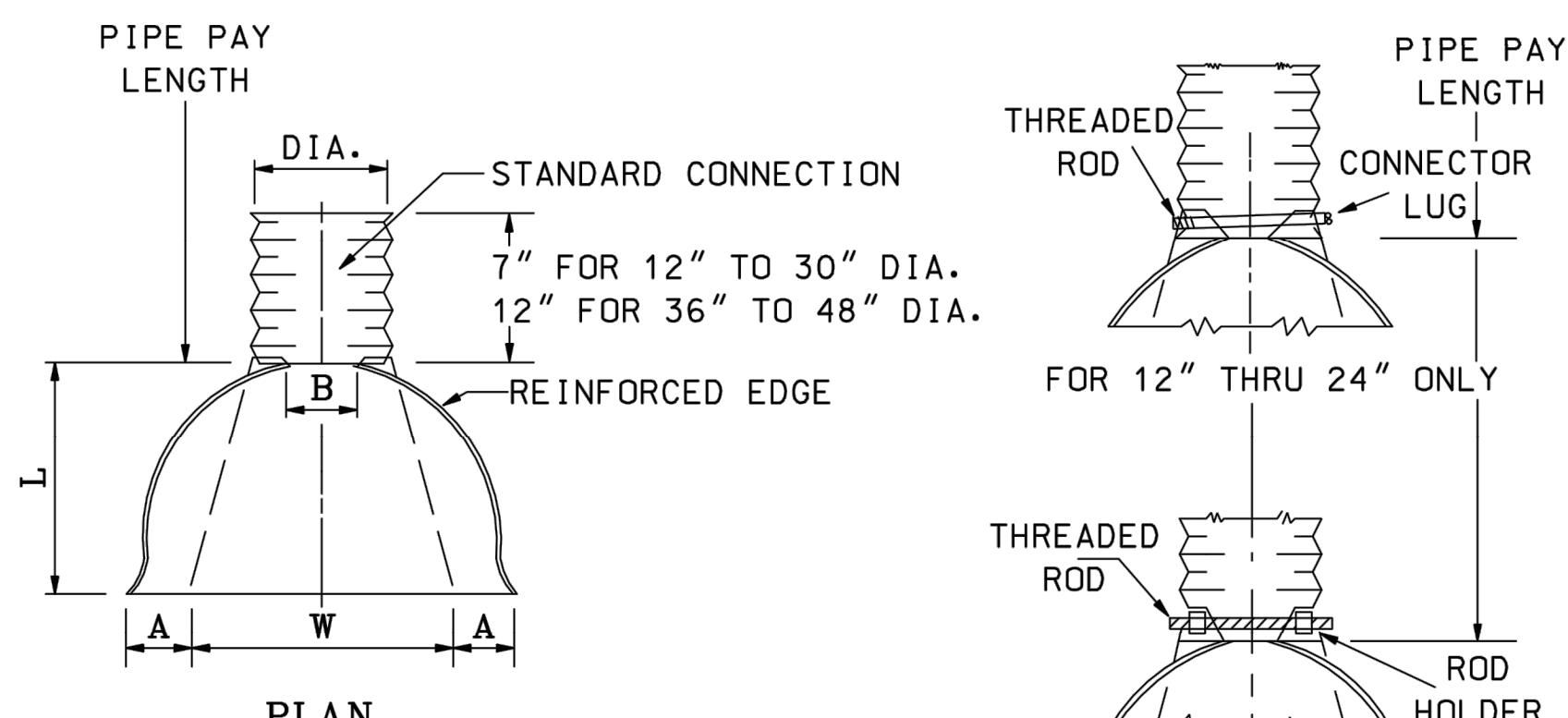
SLOPE INSTALLATION


## NOTES:

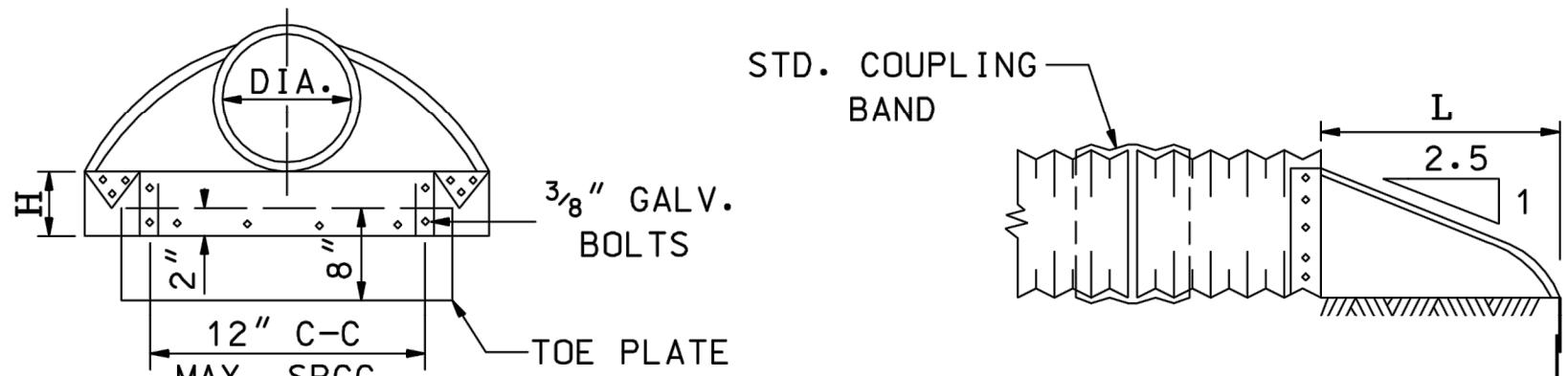
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. (NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.)
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP's EXTENDED BEYOND THE IP-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 THE RECP's.
3. ROLL THE RECP's (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOILS SURFACE. RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATION 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 ENTIRE RECP's WIDTH.
6. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP's.

EROSION CONTROL BLANKET DETAIL

NOT TO SCALE



ITEM NO.	PIPE DIA.	METAL GAGE	DIMENSIONS				
			A (1") TOL. (MAX.)	B (1") TOL. (MAX.)	H (1 1/2") TOL. (MAX.)	L (1 1/2") TOL. (MAX.)	W (2") TOL. (MAX.)
603.34112	12"	16	6"	6"	6"	21"	24"
603.34115	15"	16	7"	8"	6"	26"	30"
603.34118	18"	16	8"	13"	6"	31"	36"
603.34124	24"	16	10"	16"	6"	41"	48"
603.34130	30"	14	12"	16"	8"	51"	60"
603.34136	36"	14	14"	19"	9"	60"	72"
603.34142	42"	12	16"	22"	11"	69"	84"
603.34148	48"	12	18"	27"	12"	78"	90"

ALTERNATE CONNECTIONS

ELEVATION
END SECTION FOR PLASTIC & CORRUGATED STEEL PIPE

NOT TO SCALE

1. END SECTION FOR 12" TO 30" DIA. PIPE IN ONE PIECE. FOR 36" TO 48" DIA. PIPE TO BE MADE FROM TWO SHEETS JOINED BY RIVETING OR BOLTING ON CENTER LINE.
2. CONNECTOR SECTION. CORNER PLATE AND TOE PLATE TO BE SAME THICKNESS AS END SECTION AND EACH TO BE GALVANIZED.

TYPICAL CROSS-SECTION

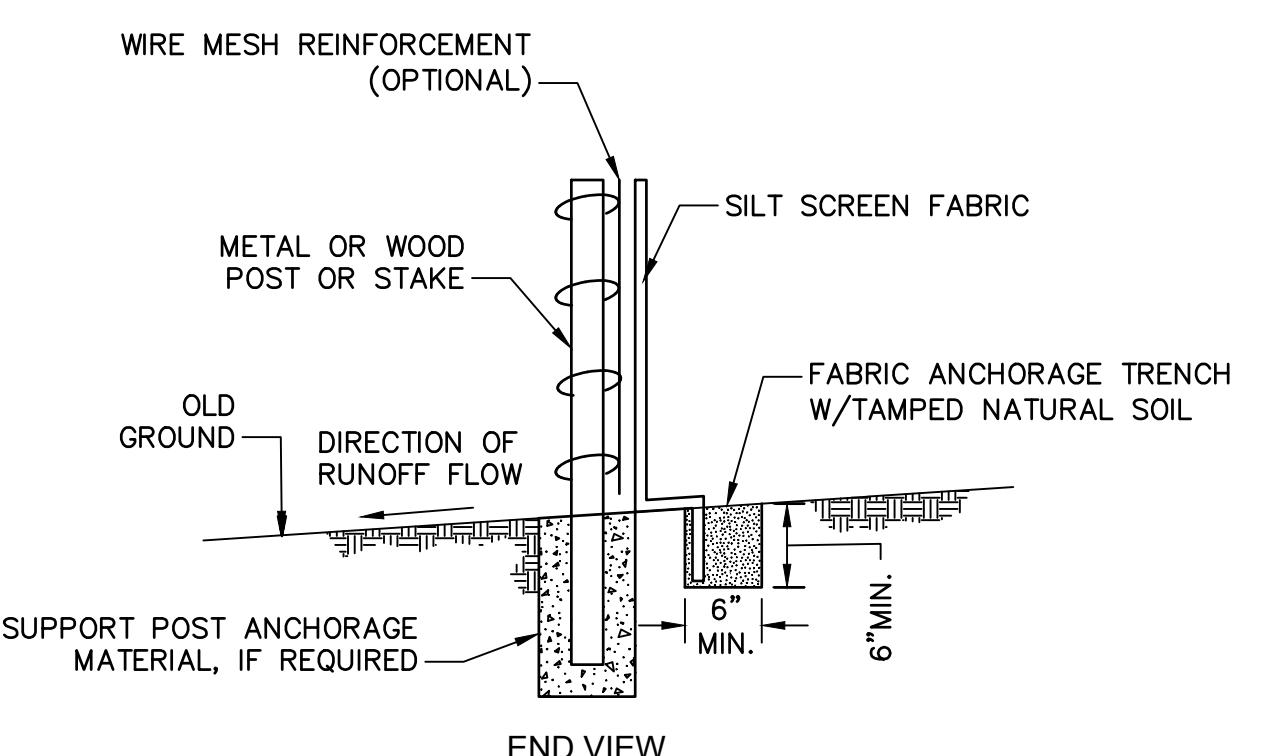
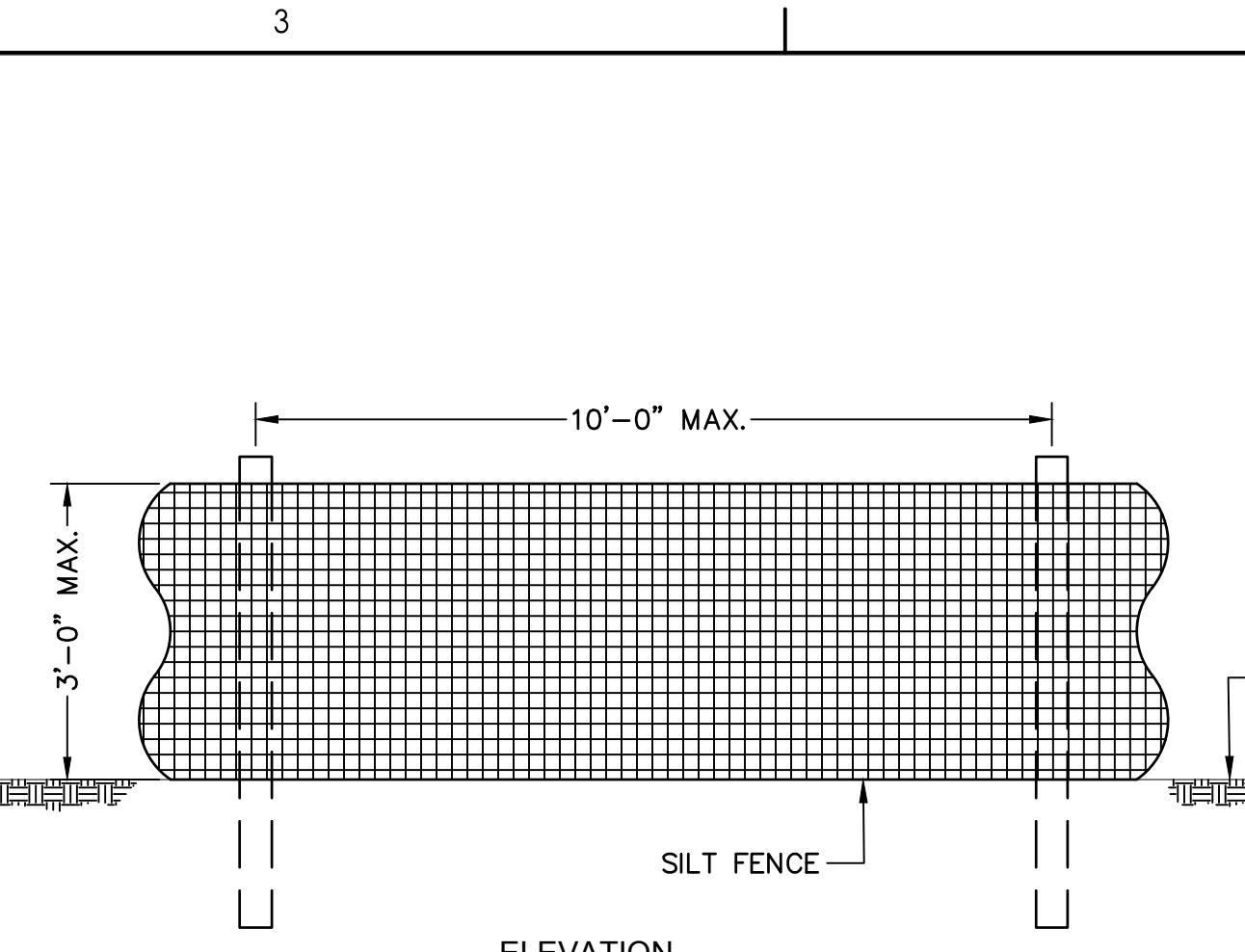
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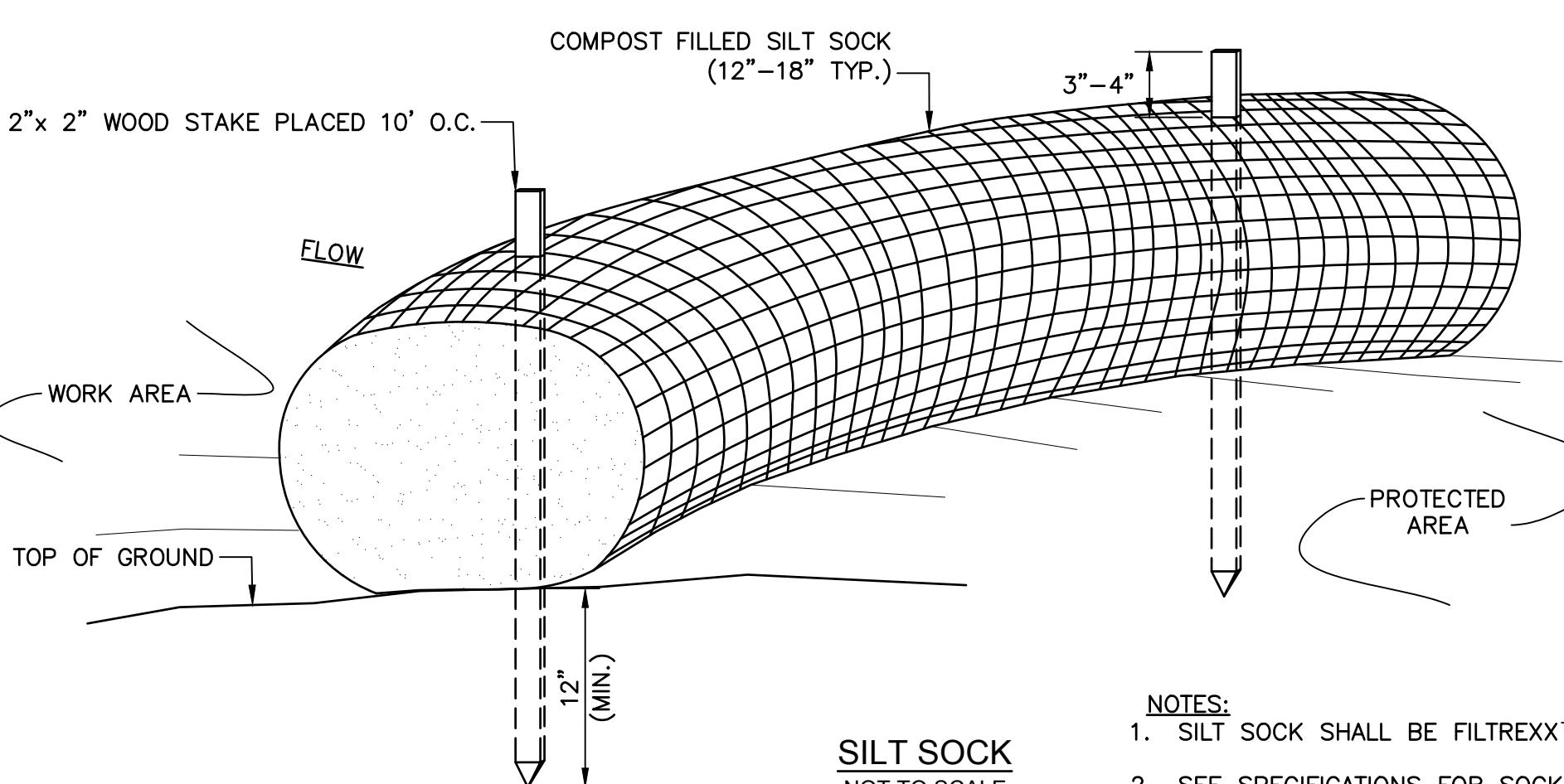
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5


SILT FENCE DETAIL

NOT TO SCALE

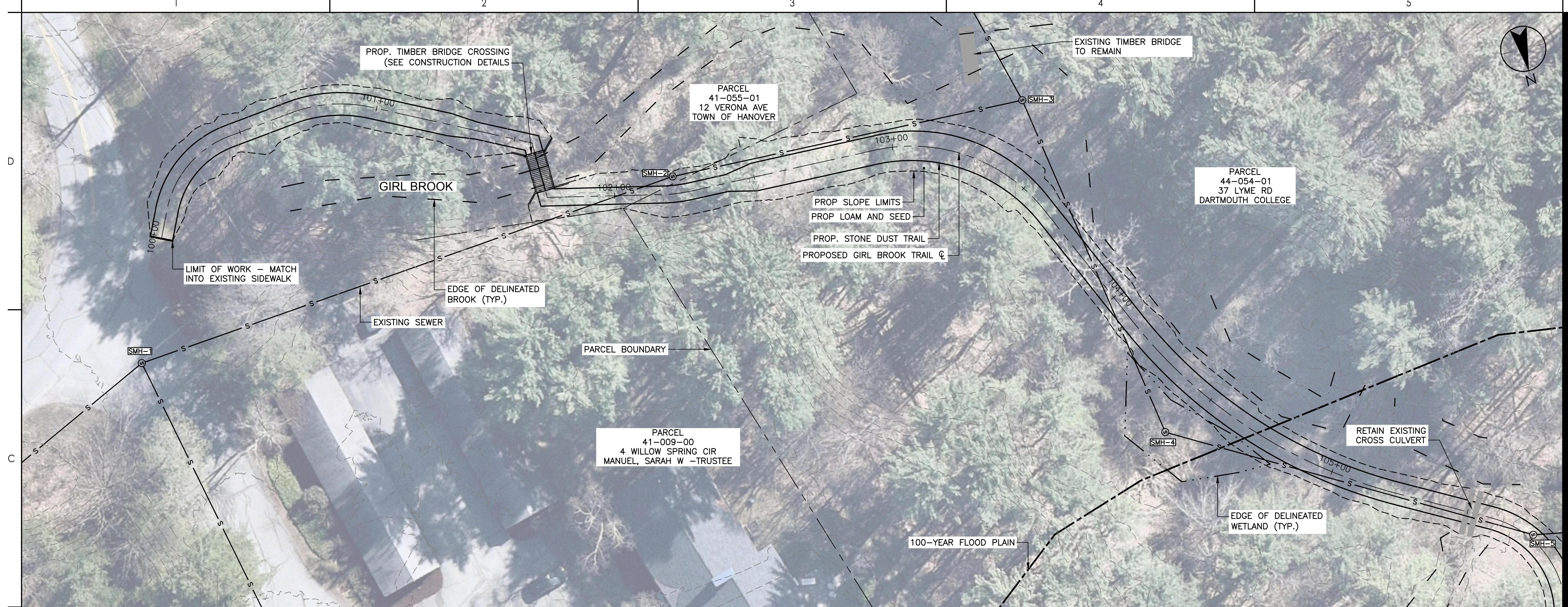

SILT SOCK

NOT TO SCALE

NOTES:

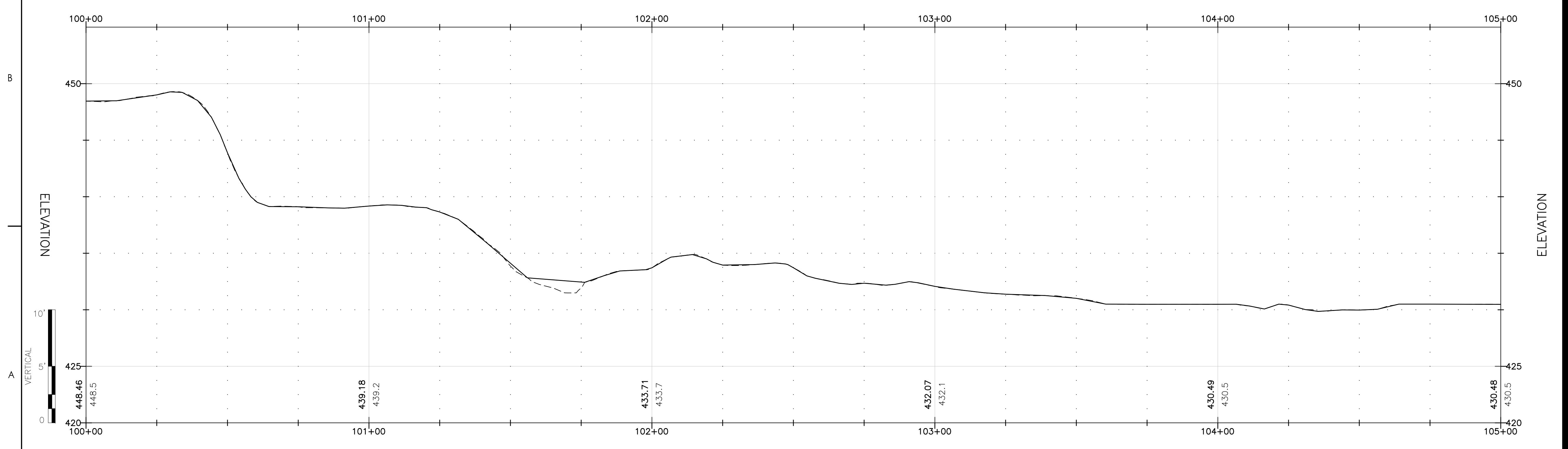
1. SILT SOCK SHALL BE FILTREXX™ SILTSOXX™ OR APPROVED EQUIVALENT.
2. SEE SPECIFICATIONS FOR SOCK SIZE AND COMPOST FILL REQUIREMENTS.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED AS NEEDED.
4. AFTER IMPACT AREA HAS BEEN FULLY STABILIZED, THE COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
- 5.





GIRL BROOK TRAIL - PLAN VIEW

0 20' 40'



GIRL BROOK TRAIL - PROFILE VIEW

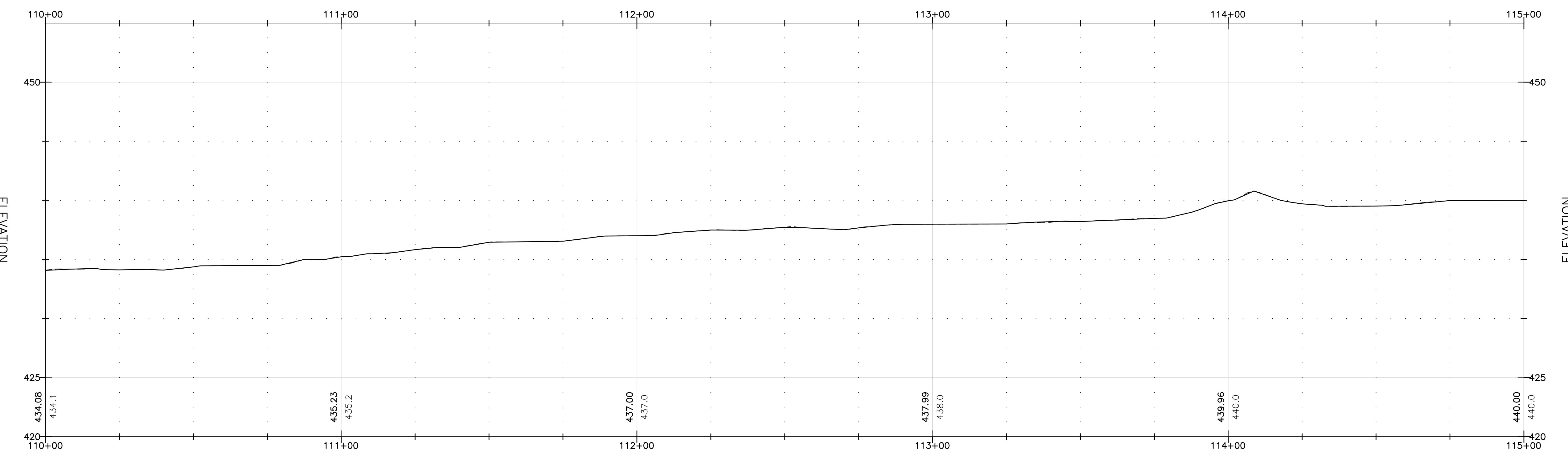
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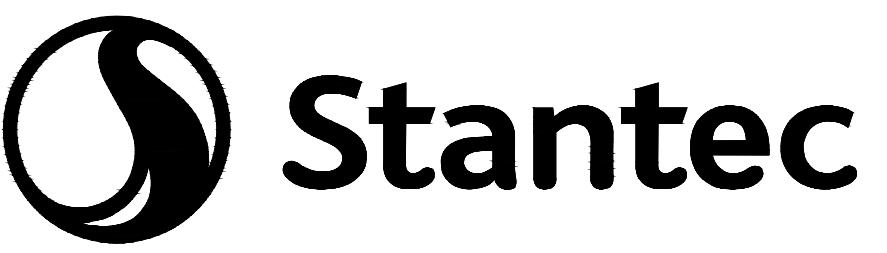
GIRL BROOK TRAIL - PLAN VIEW

0 20' 40'



GIRL BROOK TRAIL - PROFILE VIEW

0 20' 40'



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Client/Project  
**TOWN OF HANOVER, NH**

GIRI BROOK TRAIL REHABILITATION

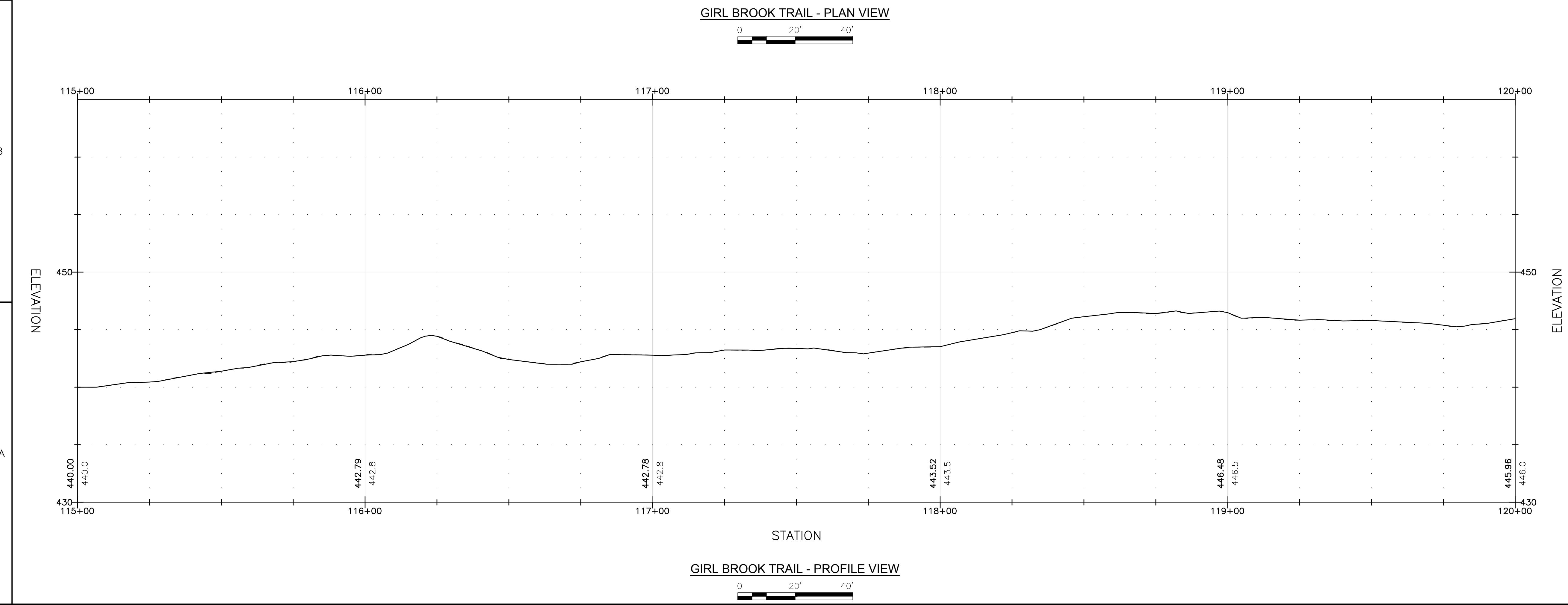
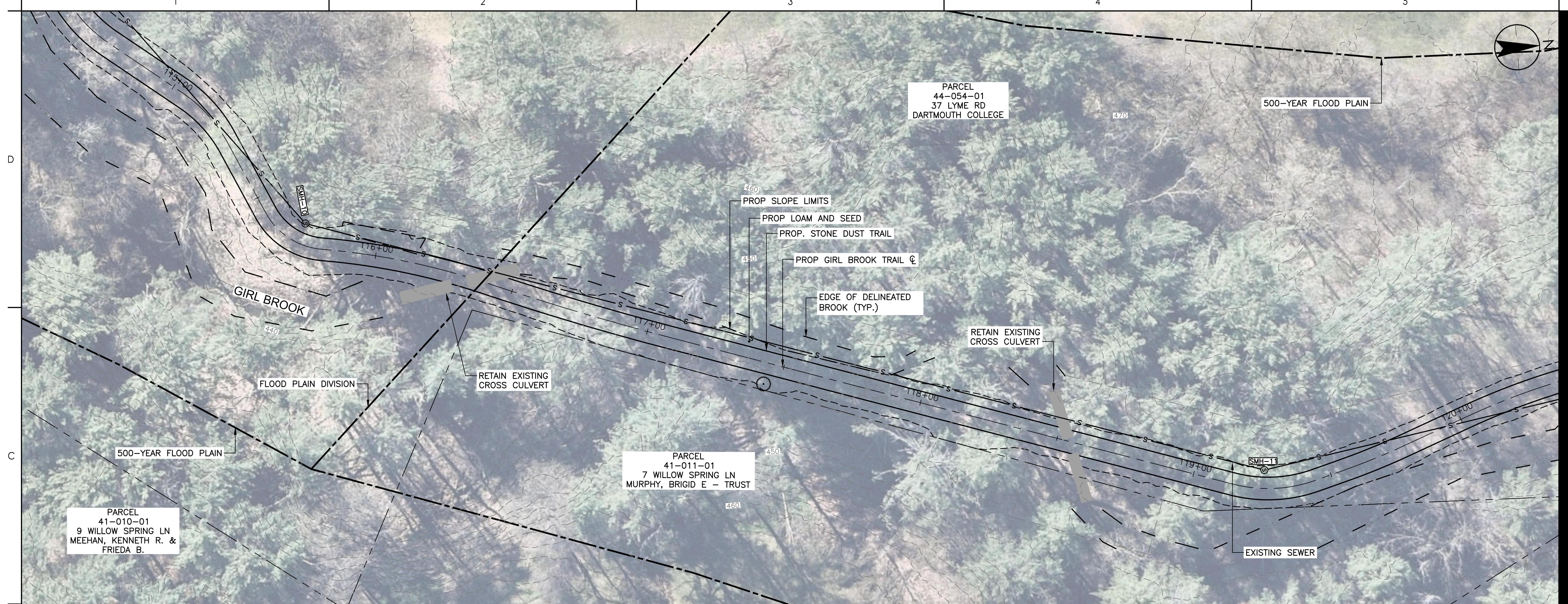
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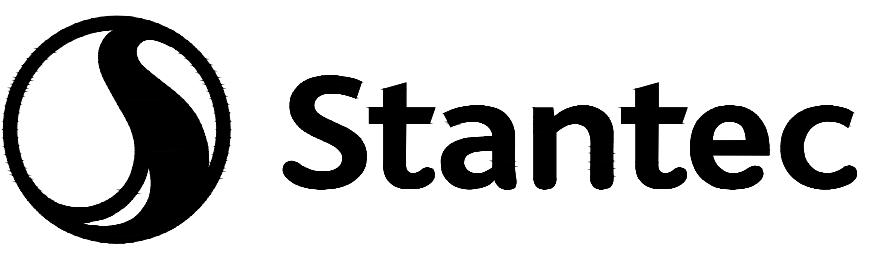
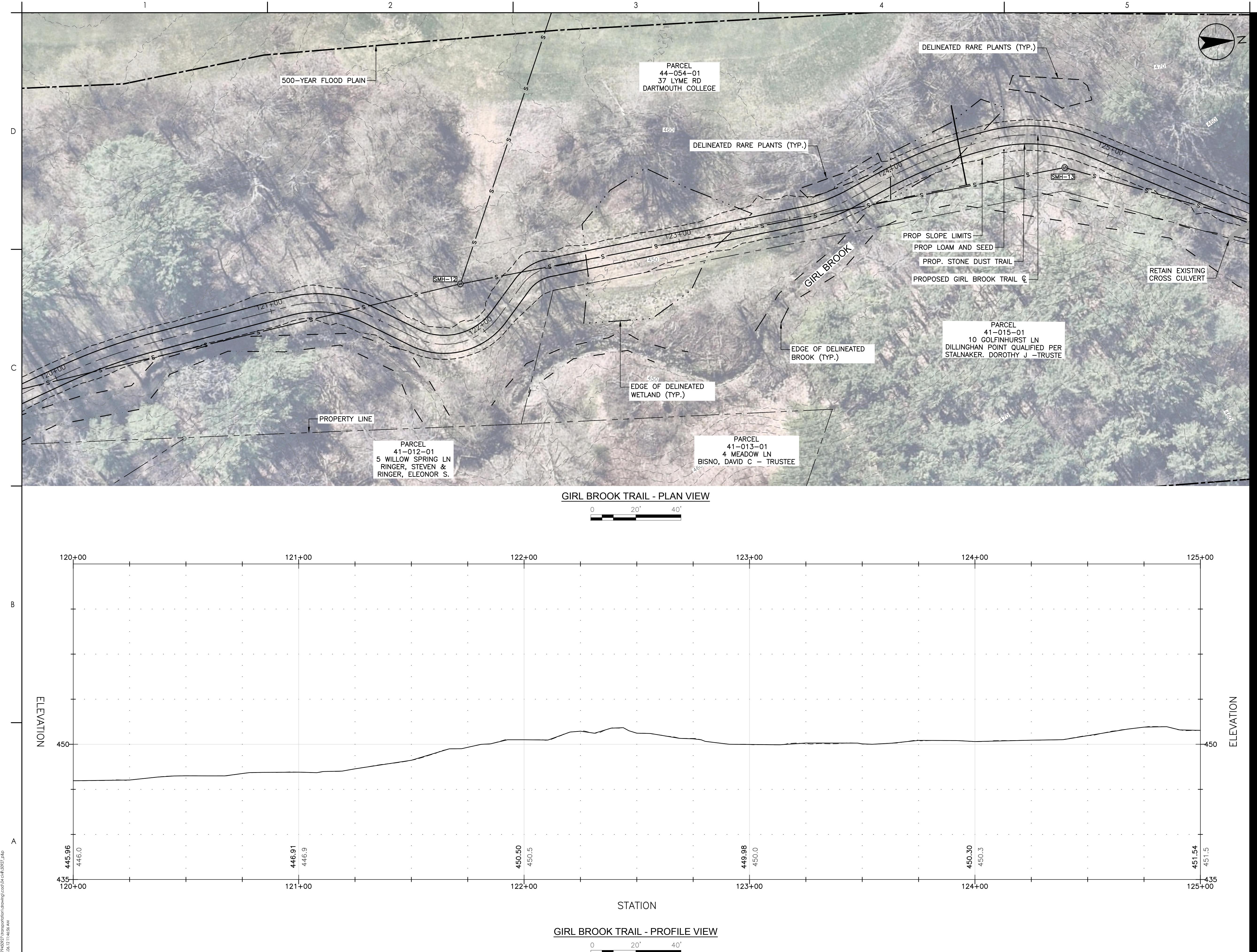
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project No.  
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Drawing No.  
**GFN-04**





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Page 10

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**TOWN OF HANOVER, NH**

GIRI BROOK TRAIL REHABILITATION

## Hanover, New Hampshire

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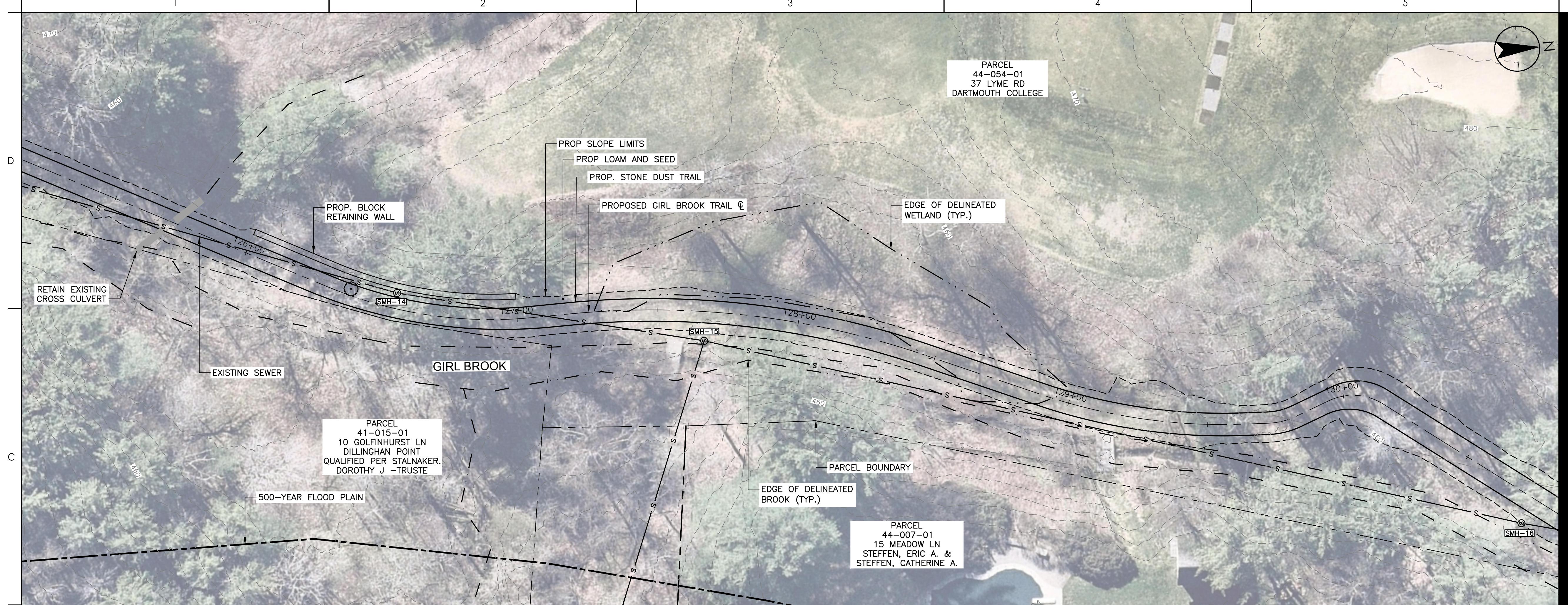
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179450927

Scale  
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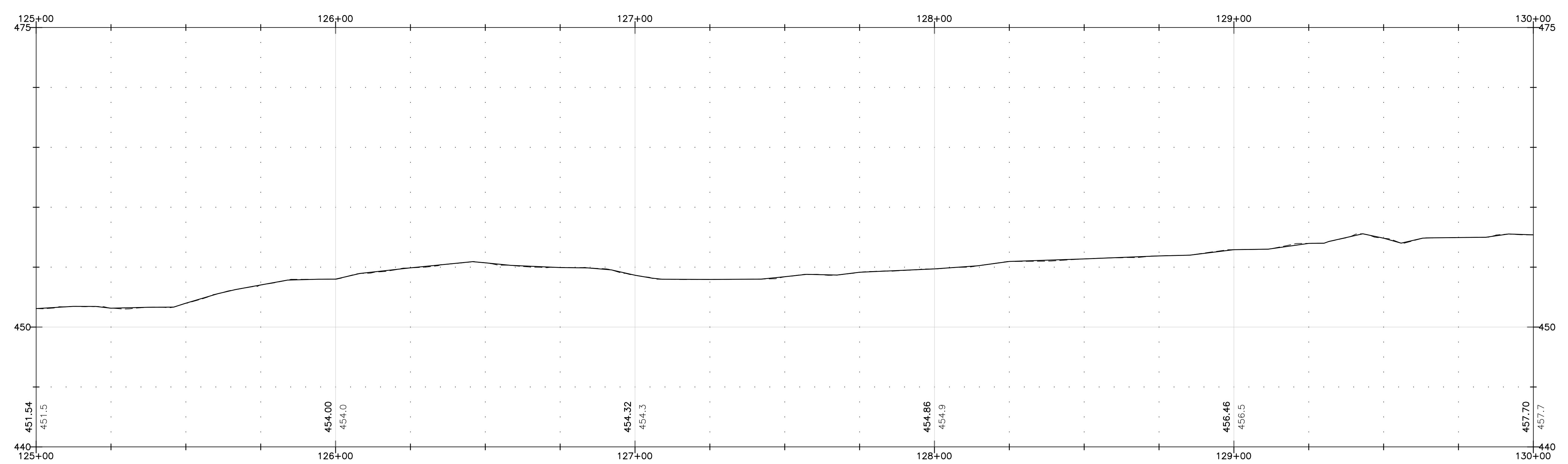
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# GEN-05



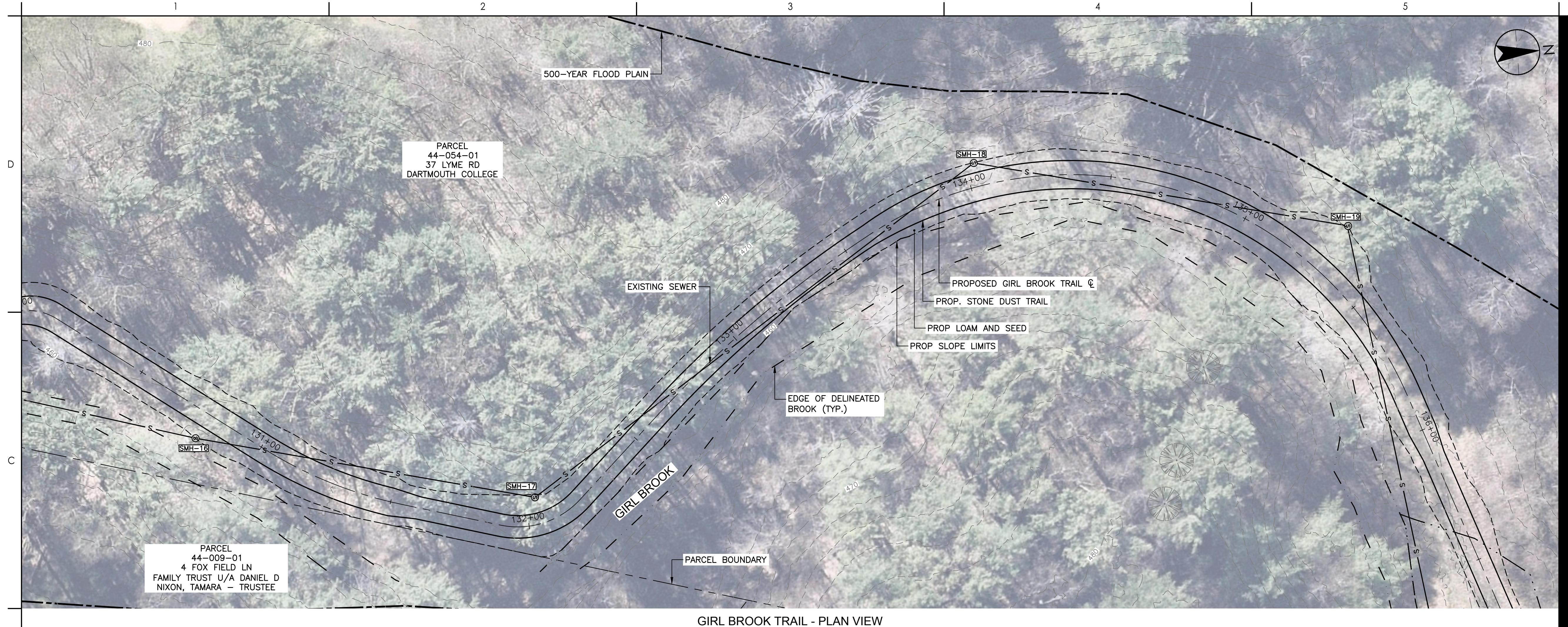
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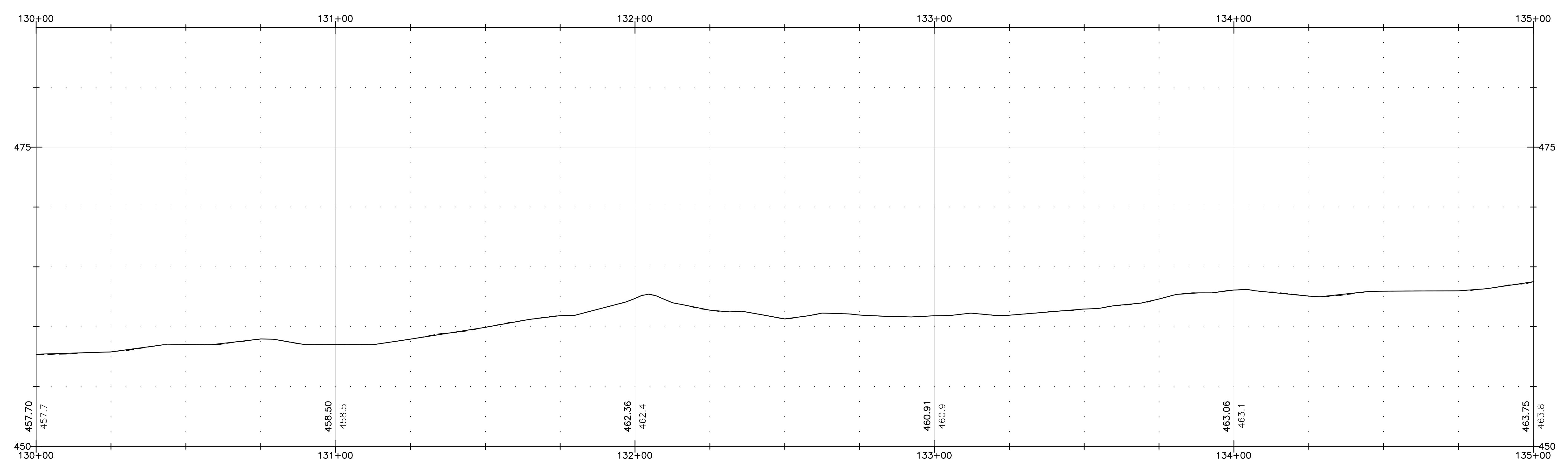
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0 20' 40'



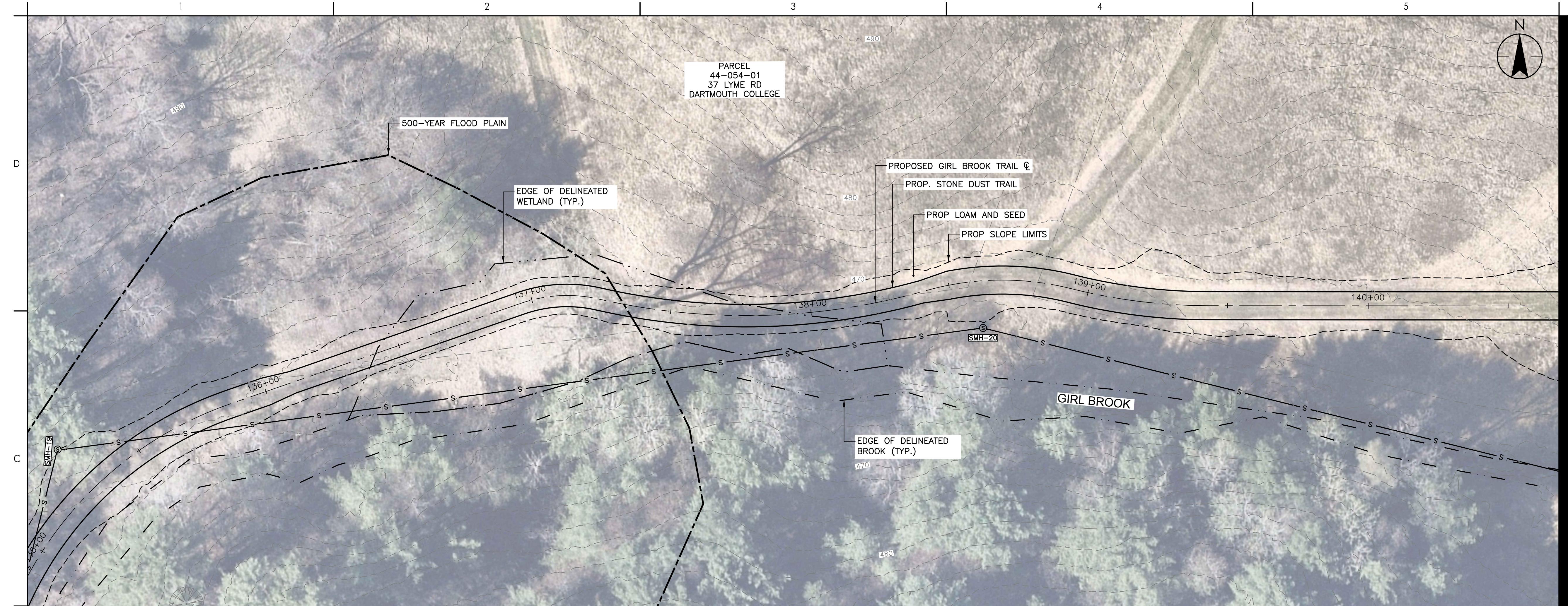
GIRL BROOK TRAIL - PLAN VIEW

0 20' 40'



GIRL BROOK TRAIL - PROFILE VIEW

0 20' 40'



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**TOWN OF HANOVER, NH**

#### GIRI BROOK TRAIL REHABILITATION

Hanover, New Hampshire

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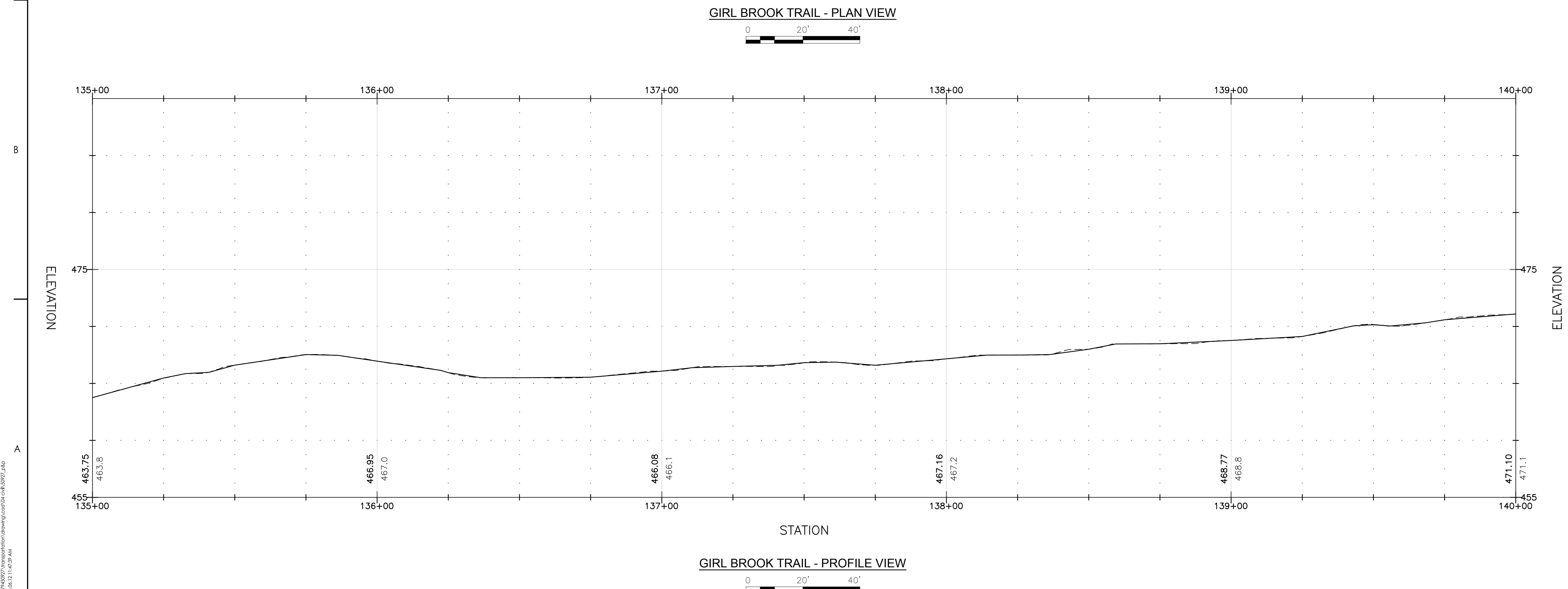
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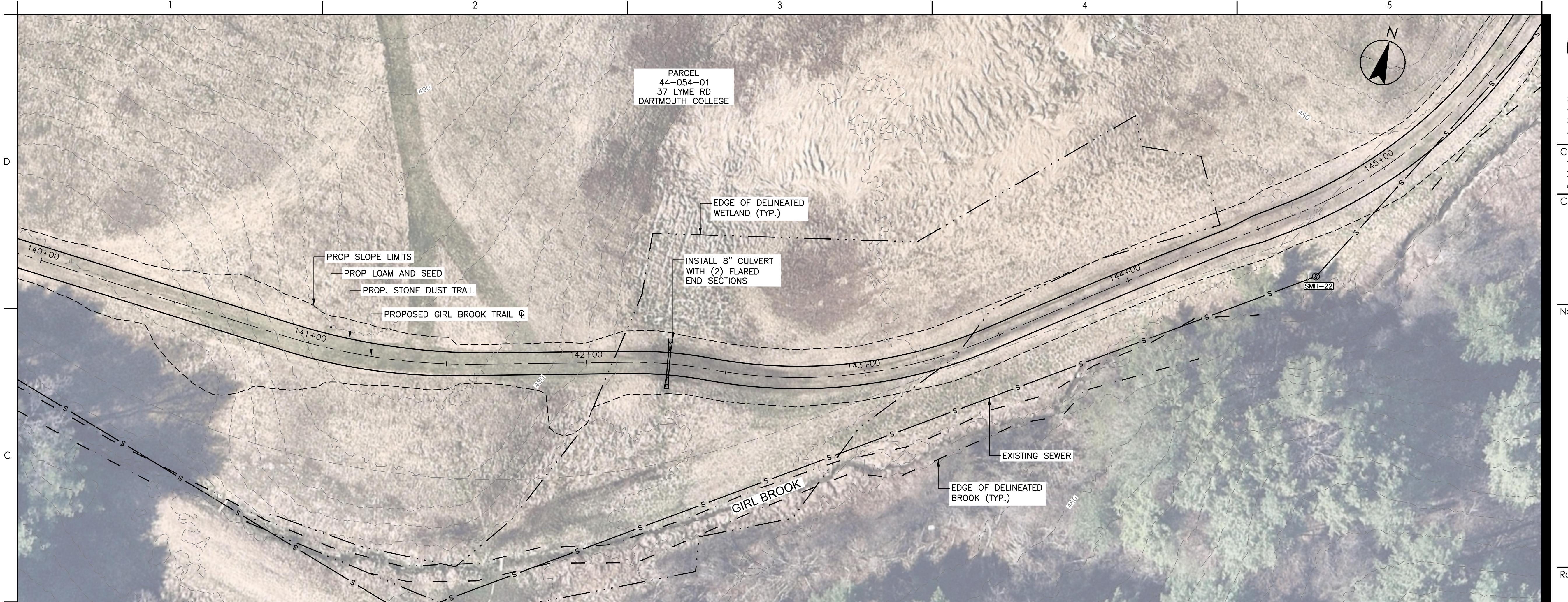
Object No.  
179450927

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revision Sheet

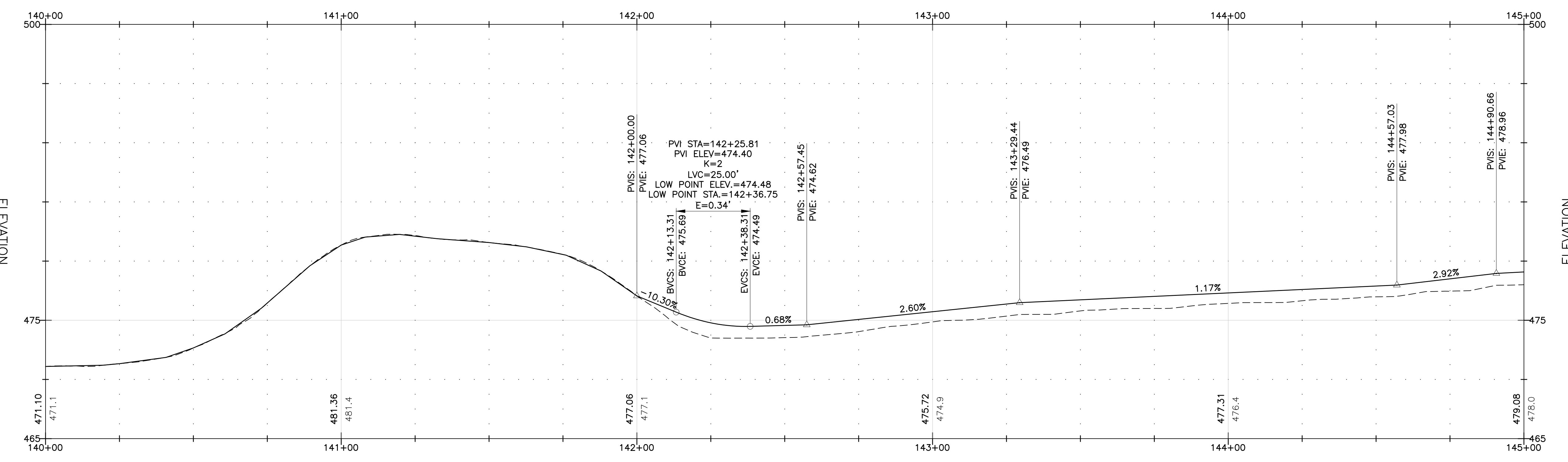
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GIRL BROOK TRAIL - PLAN VIEW

0 20' 40'



GIRL BROOK TRAIL - PROFILE VIEW

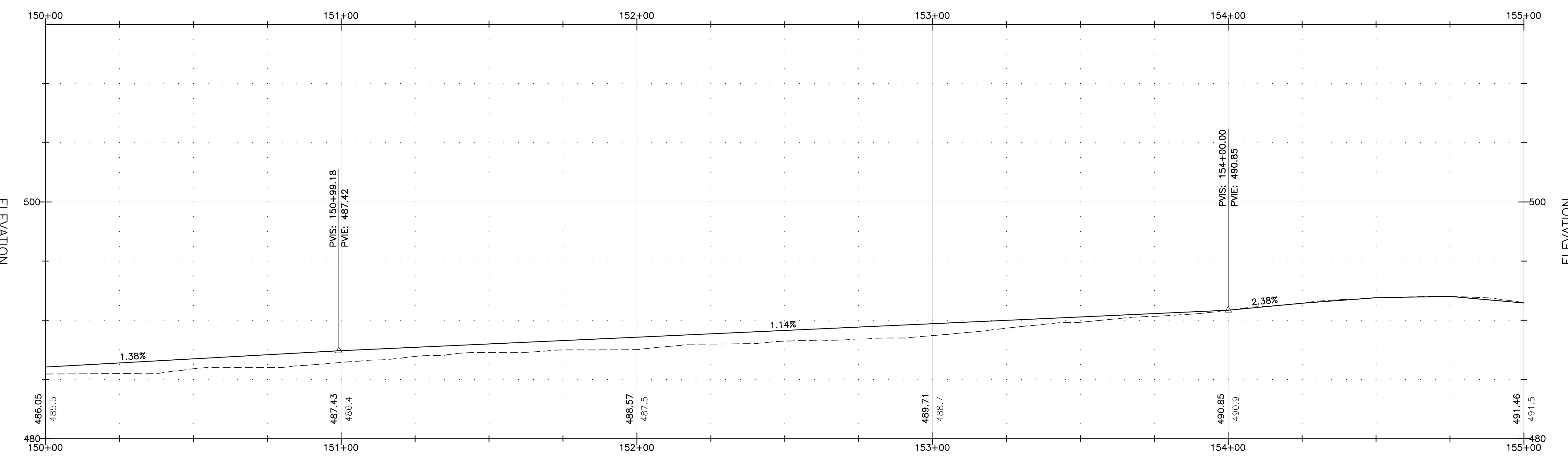
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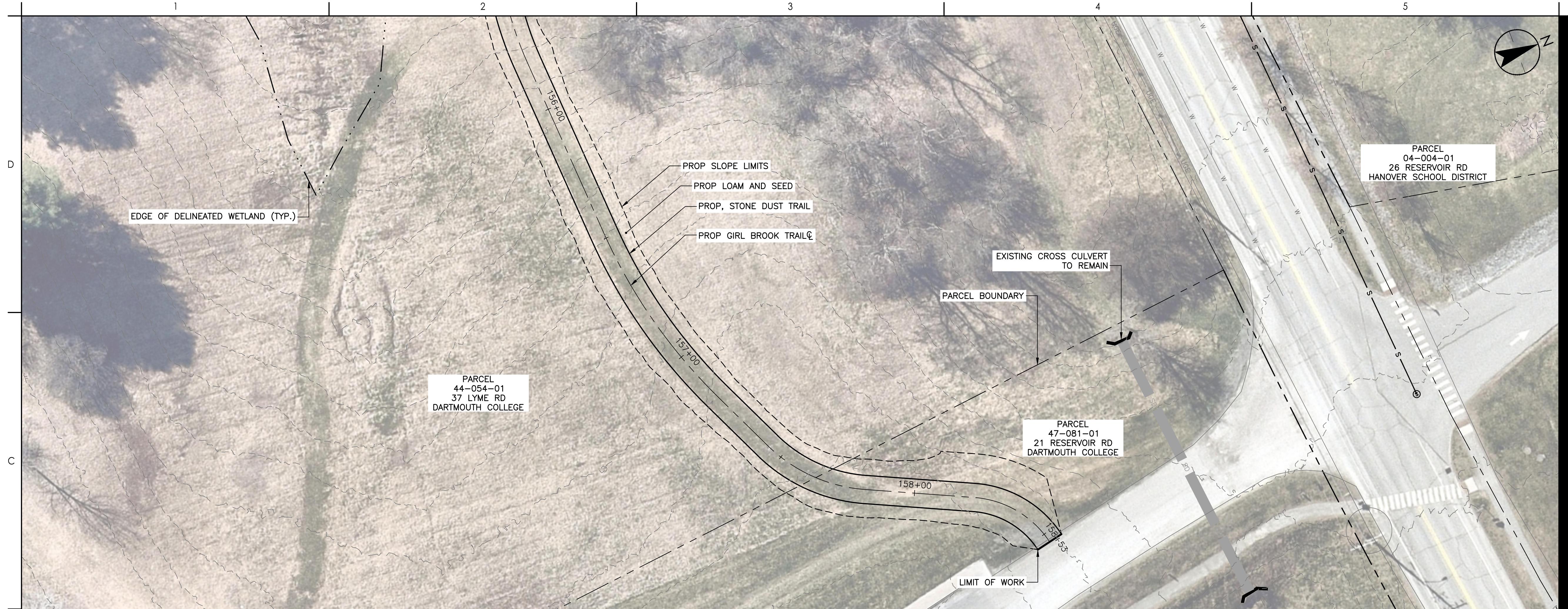
GIRL BROOK TRAIL - PLAN VIEW

0 20' 40'



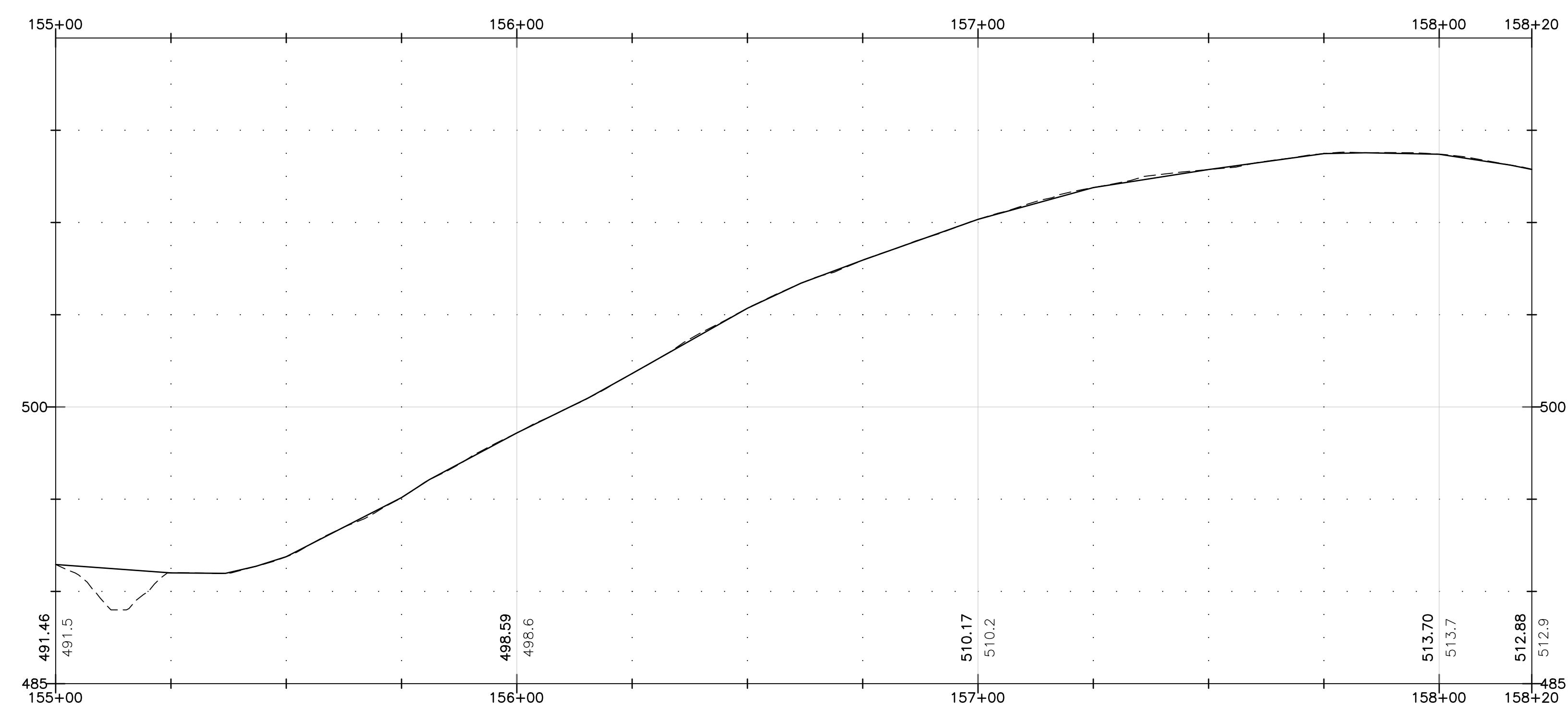
GIRL BROOK TRAIL - PROFILE VIEW

0 20' 40'



GIRL BROOK TRAIL - PLAN VIEW

0 20' 40'



GIRL BROOK TRAIL - PROFILE VIEW

0 20' 40'