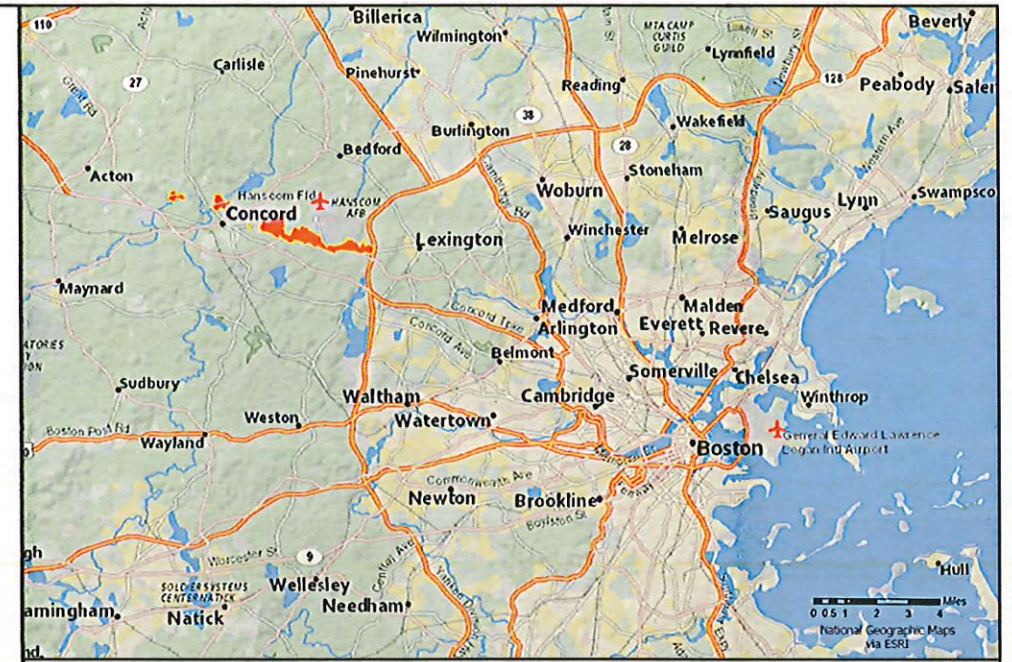


REHABILITATE AND REPAIR STRUCTURES AND LANDSCAPES: TRAIL REPAIRS

GREAT AMERICAN OUTDOORS ACT (GAOA)

MINUTE MAN NATIONAL HISTORICAL PARK
LEXINGTON, LINCOLN, & CONCORD, MASSACHUSETTS

NPS PMIS# 317529
RFP SOLICITATION No. 140P2023R0006

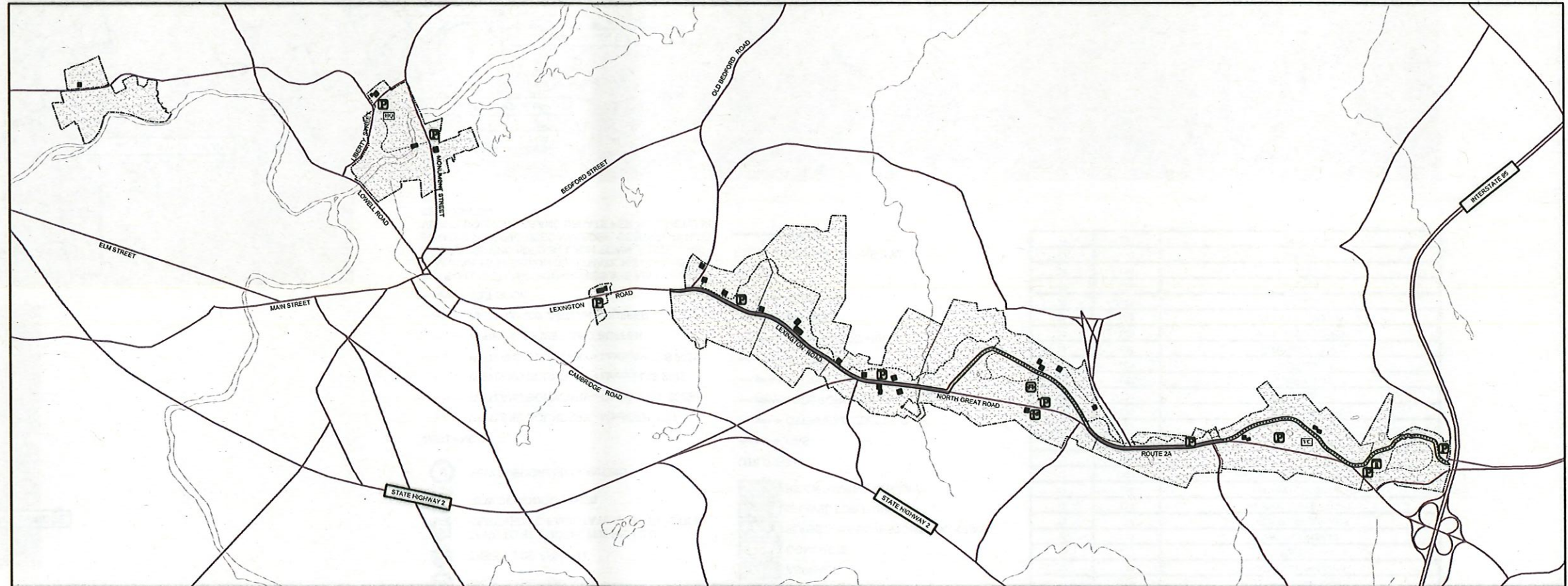


MASSACHUSETTS



LEGEND

- PARK BOUNDARY
- CULTURAL LANDSCAPE BOUNDARY
- PAVED ROAD
- TRAIL
- BATTLE ROAD
- WATERWAY
- VC** VISITOR CENTER
- HQ** PARK HEADQUARTERS
- RANGER STATION
- INFORMATION CENTER
- PARKING
- PICNIC AREA
- TRANSIT STOP



MINUTE MAN NATIONAL HISTORICAL PARK



QUALITY DESIGN CERTIFICATION					MARK	SHEET	REVISION	DATE	INTL.
<input type="checkbox"/>	PREPARED IN ACCORDANCE WITH DESIGN DEVELOPMENT (TITLE I)								
<input type="checkbox"/>	VARIANCE FROM DESIGN DEVELOPMENT (TITLE I) APPROVED BY SUPERINTENDENT ON _____								
<input type="checkbox"/>	CONSTRUCTION DRAWING NOT PRECEDED BY DESIGN DEVELOPMENT (TITLE I)								



SCHEMATIC - RFP

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HACE

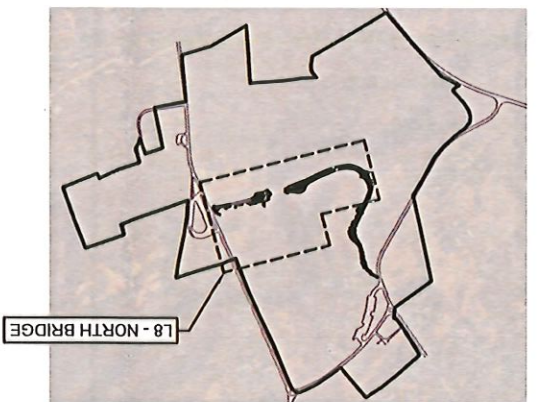
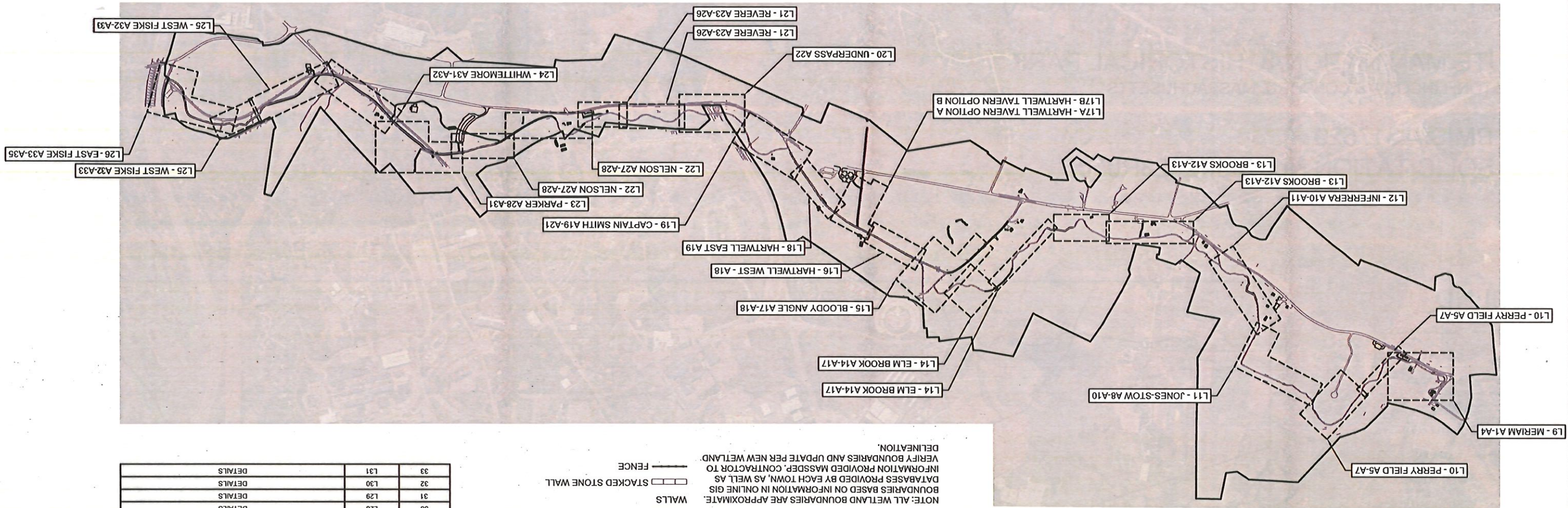
TITLE OF DRAWING
TRAIL REPAIRS
LOCATION WITHIN PARK
NORTH BRIDGE, BATTLE ROAD
NAME OF PARK
MINUTE MAN NATIONAL HISTORICAL PARK
REGION COUNTY STATE
IR1/NER MIDDLESEX MASS

DRAWING NO.	406
	184184
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SHEET	1
OF	33

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1 SITE INDEX

DESIGNED:	MPS/JAS
TECH. REVIEW:	MPS/JAS
DATE:	10/31/2022
HACE	
TITLE OF SHEET	TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GMOA)
LENGTON, LINCOLN & CONCORD, MA	
DRAWING NO.	406
184184	
317529	
2 OF 33	



- LEGEND**
- CONSTRUCTION BOUNDARIES: Dashed line
 - LIMIT OF CONSTRUCTION: Dotted line
 - STAGING AREA: Diagonal hatching
 - TEMPORARY PARKING: Cross-hatching
 - LANDSCAPE: Stippled pattern
 - MEADOW, HAYFIELD, AGRICULTURAL FIELD: Horizontal hatching
 - LAWN: Checkered pattern
 - STUMP TO BE REMOVED: Circle with 'X'
 - TREE TO BE REMOVED: Circle with 'X' and diagonal lines
 - TREE TO BE PRUNED: Circle with 'X' and horizontal lines
 - TREE TO BE PROTECTED RE: L2 OR REMOVED TO FACILITATE CONSTRUCTION: Circle with 'X' and vertical lines
 - NEW DECIDUOUS TREE: Circle with 'X'
 - NEW EVERGREEN PLANTING: Circle with 'X' and diagonal lines
- WETLANDS**
- WETLAND BOUNDARY - MassDEP 2017: Orange dashed line
 - WETLAND BOUNDARY - Concord GIS 2022: Red dashed line
 - WETLAND BOUNDARY - Lincoln GIS 2022: Blue dashed line
 - WETLAND BOUNDARY - Lexington GIS 2022: Green dashed line
 - APPROX. 50' WETLAND BUFFER: Orange solid line
 - APPROX. 100' WETLAND BUFFER: Green solid line
 - SILT SOCK: Wavy line
- NOTE:** ALL WETLAND BOUNDARIES ARE APPROXIMATE. BOUNDARIES BASED ON INFORMATION IN ONLINE GIS DATABASES PROVIDED BY EACH TOWN, AS WELL AS INFORMATION PROVIDED BY MASSDEP. CONTRACTOR TO VERIFY BOUNDARIES AND UPDATE PER NEW WETLAND DELINEATION.

- TRAILWORK**
- NEW TRAIL: Solid black line
 - NEW TRAIL, CONCURRENT PROJECT: Dashed black line
 - PATCH OR REPLACE WEAR LAYER: Stippled pattern
 - ABANDON TRAIL: Solid grey line
 - REPAIR/RESTORE GRASS AREA: Horizontal hatching
 - ASPHALT WITH CHIP SEAL: Diagonal hatching
 - PRIORITY TRAIL SECTION: Orange dashed line
 - PAVING: Stippled pattern
 - ASPHALT: Checkered pattern
 - CONCRETE: Horizontal hatching
 - FLAGSTONE/BLUESTONE WALKWAY: Stippled pattern
 - GRAVEL FOR PARKING: Diagonal hatching
 - BRICK PAVEMENT PATHWAY: Checkered pattern
- UTILITIES**
- GAS: Solid black line
 - OVERHEAD ELECTRIC: Dashed black line
 - UNDERGROUND ELECTRIC: Solid black line with dots
 - SEPTIC: Solid black line with dots
 - STORM SEWER: Solid black line with dots
 - SANITARY SEWER: Solid black line with dots
 - WATER: Solid black line with dots
 - TELECOM: Solid black line with dots
- WALLS**
- STACKED STONE WALL: Stippled pattern
 - FENCE: Solid black line

DRAWING LIST

PAGE NUMBER	SHEET NUMBER	TITLE
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2	L1	SHEET LIST AND INDEX
3	L2	NOTES
4	L3	PLANTING AND TREE PROTECTION
5	L4	PHASE ZONES
6	L5	STAGING - EAST QUARTER SCHOOLHOUSE
7	L6	STAGING - JONES-STOW
8	L7	STAGING - CAPTAIN SMITH
9	L8	NORTH BRIDGE
10	L9	MERIAM A1-A4
11	L10	PERRY FIELD A5-A7
12	L11	JONES-STOW A8-A10
13	L12	INFERRERA A10-A11
14	L13	BROOKS A12-A13
15	L14	ELM BROOK A14-A17
16	L15	BLOODY ANGLE A17-A18
17	L16	HARTWELL WEST - A18
18	L17A	HARTWELL TAVERN OPTION A
19	L17B	HARTWELL TAVERN OPTION B
20	L18	HARTWELL EAST A19
21	L19	CAPTAIN SMITH A19-A21
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28	L26	EAST FISKE A33-A35
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30	L28	DETAILS
31	L29	DETAILS
32	L30	DETAILS
33	L31	DETAILS

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PROJECT INFORMATION:

- PROJECT LOCATION: MINUTE MAN NATIONAL HISTORICAL PARK, CONCORD, LINCOLN, AND LEXINGTON, MIDDLESEX COUNTY, MASSACHUSETTS
- SITE WORK GENERALLY CONSISTS OF THE FOLLOWING:
 - DEMOLITION OF EXISTING TRAILS
 - RECONSTRUCTION OF TRAILS WITHIN SAME ALIGNMENT
 - INSTALLATION OF SWALES, BIOSWALES, PIPE, AND OTHER DRAINAGE STRUCTURES
 - REALIGNMENT OF TRAILS AS INDICATED ON PLANS
 - PATCHING OF EXISTING TRAILS WHERE NEEDED
 - ARCHAEOLOGICAL MONITORING COORDINATION AND OVERSIGHT IN SENSITIVE AREAS
 - TREE AND LANDSCAPE PROTECTION DURING CONSTRUCTION
 - SELECTIVE PRUNING OF TREES TO PROVIDE CLEARANCE ALONG TRAIL
 - SELECTIVE REMOVAL AND REPLACEMENT OF TREES

GENERAL NOTES:

- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, HORIZONTAL AND VERTICAL CONTROLS, AND PROPOSED DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY THE CONTRACTING OFFICER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BASED ON BEST INFORMATION AVAILABLE. UTILITIES MAY NOT BE IN EXACT LOCATION SHOWN, AND CONTRACTOR SHALL EXERCISE CARE IN EXCAVATION. CONTACT THE LOCAL UTILITY SERVICE PROVIDER OR LOCATOR, ETC. SERVICE.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO DISCONNECTION, REMOVAL AND RELOCATION OF ALL SERVICE LINES.
- CONTRACTOR SHALL NOTIFY CONTRACTING OFFICER IMMEDIATELY IN THE EVENT THAT ANY UTILITY IS DAMAGED DURING DEMOLITION OR CONSTRUCTION.
- REPAIR OF DAMAGED UTILITIES SHALL BE AT THE CONTRACTORS EXPENSE, INCLUDING BUT NOT LIMITED TO UNKNOWN UNDERGROUND UTILITIES.
- CONTRACTOR TO CONFORM TO ALL FEDERAL, STATE AND LOCAL HEALTH AND SAFETY RULES AND REGULATIONS.
- CONTRACTOR RESPONSIBLE FOR HAVING REQUIRED DOCUMENTATION AT THE JOB SITE AT ALL TIMES FOR ALL AGENCY REVIEWS.
- CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS INCLUDING, BUT NOT LIMITED TO; COORDINATING, INITIATING PERMIT ACQUISITION SERVICES, SCHEDULING, FURNISHING APPLICATIONS, PERMIT STATUS, AND FINAL PERMITS.
- ALL WALKWAYS, TRAILS, RAMPS, HANDRAILS, SIGNAGE, AND SITE FURNISHINGS PROVIDED AS PART OF THIS CONTRACT SHALL BE IN COMPLIANCE, AS AMENDED, WITH ARCHITECTURAL BARRIERS ACT-ABA ACCESSIBILITY STANDARDS; DESIGN; OUTDOOR DEVELOPED AREAS - ABAAS CHAPTER 10, AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS REGARDING ACCESSIBLE FACILITIES.
- COMPLY WITH APPLICABLE CODES, AS SUPPLEMENTED, AMENDED, OR OTHERWISE MODIFIED, SUCH AS INTERNATIONAL BUILDING CODE, EXISTING BUILDING CODE, NFPA 101 LIFE SAFETY CODE, AND OTHER RELATED CODES.
- REFER TO ORDERS OF CONDITIONS PREPARED BY LOCAL AUTHORITIES HAVING JURISDICTION APPENDED TO PROJECT MANUAL FOR ADDITIONAL PROTECTIONS REGARDING WETLANDS.

PRESERVATION OF CULTURAL RESOURCES:

- ALL WORK MUST BE IN KEEPING WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES WITH GUIDELINES FOR PRESERVING, REHABILITATING, RESTORING & RECONSTRUCTING HISTORIC BUILDINGS (2017) AND THE SECRETARY OF INTERIOR'S GUIDELINES FOR THE TREATMENT OF CULTURAL LANDSCAPES (1996).
- LANDSCAPES AND STRUCTURES ARE CULTURALLY AND HISTORICALLY SIGNIFICANT. THIS PROPERTY IS MANAGED IN ACCORDANCE WITH DOI AND NPS STANDARDS TO PROTECT RESOURCES FROM DAMAGE OR LOSS OF HISTORIC INTEGRITY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW BEST PRESERVATION PRINCIPLES AND PRACTICES, NOT ONLY IN IMPLEMENTING WORK IN ACCORDANCE WITH THE HISTORIC PRESERVATION TREATMENT PLAN REQUIRED, BUT IN OCCUPYING THE SITE AND PERFORMING TASKS RELATED TO THE WORK ON THE SITE OR WITHIN THE BUILDING.
- CONTRACTOR SHALL COORDINATE WITH CONTRACTING OFFICER DESIGNATED ARCHEOLOGIST TO IDENTIFY PROTECTION NECESSARY FOR SENSITIVE AREAS.

STAGING AND ACCESS:

- CONTRACTOR TO PROVIDE A CULTURAL LANDSCAPE COORDINATION PLAN FOR CONTRACTING OFFICER APPROVAL PRIOR TO NOTICE TO PROCEED PER THE CULTURAL LANDSCAPE PROCEDURES SPECIFICATION PROVIDED IN THE PROJECT MANUAL. PROTECTION PRACTICES SHALL FOLLOW SPECIFICATIONS OR INDUSTRY BMPs, WHICHEVER ARE MORE STRINGENT.
- SHEET ##### DENOTES PROPOSED ZONES FOR CLOSURE OF PARK FACILITIES. CONTRACTOR SHALL DEVELOP PHASING PLAN THROUGH COORDINATION WITH CONTRACTING OFFICER, SCHEDULING AND PHASING

OF WORK SHALL PROVIDE AS MUCH ACCESS FOR PARK VISITORS AS POSSIBLE, WITH DETOURS WHERE FEASIBLE.

- SHEETS L4 - PHASE ZONES, L5 - STAGING - EAST QUARTER SCHOOLHOUSE, AND L7 - STAGING - CAPTAIN SMITH INDICATE PROPOSED STAGING AREAS AT SPECIFIC PARK SITES. ANY CHANGE TO SIZE AND LOCATION OF DESIGNATED CONSTRUCTION ZONES, STAGING AREAS, OR PARKING SHALL BE COORDINATED WITH CONTRACTING OFFICER.
- PARKING, STAGING, AND LAYDOWN FACILITIES MAY BE PROVIDED IN NEARBY DESIGNATED PARKING LOT AT CONTRACTING OFFICER AND PARK'S DISCRETION. ACCESS TO PARKING IN PUBLIC LOTS SHALL BE COORDINATED WITH CONTRACTING OFFICER.
- CONTRACTOR SHALL COORDINATE NECESSARY INTERMEDIATE LAYDOWN AREAS WITH CONTRACTING OFFICER AND PARK REPRESENTATIVE. LAYDOWN AREAS SHOULD BE OUTSIDE OF 100' WETLAND BUFFER. CONTRACTOR SHALL PROVIDE PROTECTIVE MEASURES TO PREVENT ANY CONTAMINATION OF SOIL, WATER, OR WETLAND.
- CONTRACTOR RESPONSIBLE FOR KEEPING CONSTRUCTION AREA, STAGING AREA, AND PARKING AREAS FREE OF DEBRIS AND GARBAGE.
- STAGING AREAS ON SOFT SOILS SHALL BE PROTECTED FROM VEHICULAR DAMAGE THROUGH THE USE OF APPROPRIATE PROTECTIVE MATS DESIGNED FOR SITE CONDITIONS AND WEIGHT OF MATERIALS. IN PERIODS OF MUDDY CONDITIONS, CONTRACTOR SHALL USE ALTERNATE AREA FOR PARKING AND STORAGE OF HEAVY EQUIPMENT AND/OR MATERIALS. ALTERNATE AREAS SHALL BE COORDINATED AND APPROVED BY CONTRACTING OFFICER.
- CHEMICALS SHALL ONLY BE STORED IN STAGING AREAS UNLESS OTHERWISE APPROVED BY CONTRACTING OFFICER. BEST PRACTICES FOR STORAGE OF MATERIALS, INCLUDING MEASURES TO CONTROL POSSIBLE SPILLS AND PREVENT CONTAMINATION OF SURROUNDING LANDSCAPE, SHALL BE TAKEN BY CONTRACTOR. NO CHEMICALS MAY BE STORED WITHIN 100 FOOT WETLAND BUFFER.
- FUELING OF EQUIPMENT SHALL TAKE PLACE IN AREA OUTSIDE OF THE 100 FOOT WETLAND BUFFER. REFUELING AREA SHALL BE PROTECTED TO ENSURE NO CONTAMINATION OF SOIL, WATER, OR WETLAND.
- PROTECTIVE MATS SHALL BE CLEANED PER SPECIFICATION BEFORE AND AFTER PLACEMENT IN WETLANDS, AND WHEN TRANSFERRED BETWEEN WETLAND LOCATIONS.
- CONFLICTS WITH ACTIVELY USED TRAILS SHALL BE CLEARLY MARKED, FENCED, AND SIGNAGE SHALL BE PROVIDED WHICH INSTRUCTS PARK VISITORS AND CONSTRUCTION CREW REGARDING CONFLICT.
- INSTALL CONSTRUCTION SIGNAGE ON TEMPORARY POSTS PRIOR TO ANY CONSTRUCTION OPERATIONS AT THE SITE(S). TEMPORARY POSTS SHOULD BE ANCHORED USING WEIGHTS AND/OR STANDS WHERE PRACTICAL TO MINIMIZE SUB-SURFACE DISRUPTION. REMOVE AFTER ALL CONSTRUCTION OPERATIONS ARE COMPLETE. THE INSTALLATION OF THE SIGNS ARE SUBSIDIARY TO INSTALLING FENCE.
- SAFETY AND PROTECTIVE FENCING SHALL BE CONTINUOUSLY MONITORED THROUGHOUT THE DURATION OF CONSTRUCTION PER FEDERAL, STATE, LOCAL REQUIREMENTS AND AS DIRECTED BY THE CONTRACTING OFFICER.
- PROVIDE TEMPORARY SIGNAGE PLAN FOR CONTRACTING OFFICER APPROVAL BEFORE COMMENCEMENT OF WORK.
- INSTALL MOVABLE 6 FOOT CHAIN LINK FENCE & TEMPORARY TRAFFIC CONTROL AT THE SITE(S) PRIOR TO ANY CONSTRUCTION OPERATIONS. REMOVE AFTER ALL CONSTRUCTION OPERATIONS ARE COMPLETE. RESTORE LANDSCAPE GRADE TO PRE-CONSTRUCTION OR IMPROVED CONDITION.
- IN LOCATIONS WHERE SITE ACCESS REQUIRED CROSSING OF ACTIVE PUBLIC TRAIL FACILITIES, A FLAG PERSON MAY BE REQUIRED TO ESCORT VEHICLES OR FACILITATE ACTIVITY OF LARGE MACHINERY. THIS REQUIREMENT MAY BE COORDINATED WITH THE CONTRACTING OFFICER DURING PHASING AND SCHEDULING OR WORK.
- TEMPORARY FACILITIES SHALL BE REMOVED FOLLOWING PROJECT COMPLETION. STAGING AND CONSTRUCTION AREAS WILL REQUIRE RESTORATION AS SPECIFIED AT END OF CONSTRUCTION ACTIVITY.

MANAGEMENT OF SITE

- UNLESS OTHERWISE MARKED, KEEP DRIVEWAYS AND ENTRANCES SERVING PREMISES CLEAR AND AVAILABLE TO GOVERNMENT, GOVERNMENT'S EMPLOYEES, AND EMERGENCY VEHICLES AT ALL TIMES.
- SCHEDULE DELIVERIES TO MINIMIZE USE OF DRIVEWAYS AND ENTRANCES.
- SCHEDULE DELIVERIES TO MINIMIZE SPACE AND TIME REQUIREMENTS FOR STORAGE OF MATERIALS AND EQUIPMENT ON-SITE.
- HAULING RESTRICTIONS: COMPLY WITH ALL LEGAL LOAD RESTRICTIONS IN THE HAULING OF MATERIALS. LOAD RESTRICTIONS ON PARK ROADS ARE IDENTICAL TO THE STATE LOAD RESTRICTIONS WITH SUCH ADDITIONAL REGULATIONS AS MAY BE IMPOSED BY THE CONTRACTING OFFICER. A SPECIAL PERMIT WILL NOT RELIEVE CONTRACTOR OF LIABILITY FOR DAMAGE WHICH MAY RESULT FROM MOVING OF EQUIPMENT.

CONSTRUCTION SEQUENCE:

- INSTALL SEDIMENT CONTROL DEVICES (SILT FENCE) AS REQUIRED.
- STAKE LIMITS OF DISTURBANCE.
- INSTALL PROTECTIVE FENCING AND SITE BARRIERS.
- REMOVE TREES AND VEGETATION AS DESIGNATED ON THE DRAWINGS.

TRANSPORT OFFSITE TO AN APPROVED DISPOSAL SITE.

- REMOVE ALL MATERIALS DESIGNATED FOR DEMOLITION. TRANSPORT OFFSITE TO AN APPROVED DISPOSAL SITE.
- COMPLETION OF TRAILS CONSTRUCTION WORK AS NOTED IN PLANS. SEQUENCING TO BE COORDINATED WITH CONTRACTING OFFICER AND PARK REPRESENTATIVE.
- COMPLETE SITE RESTORATION AS REQUIRED BY PLANS OR SPECIFICATIONS.
- REMOVE STAKING, BARRIERS, AND ANY OTHER CONSTRUCTION RELATED EQUIPMENT FROM SITE.

DEMOLITION AND SITE PREPARATION:

- CONTRACTOR TO COORDINATE ARCHEOLOGICAL SERVICES PRIOR TO ANY EARTH DISTURBANCES. WORK WHICH REQUIRES ARCHEOLOGICAL TESTING OR MONITORING SHALL BE COORDINATED WITH THE CONTRACTING OFFICER AND FIRM PROVIDING APPROVED ARCHEOLOGICAL SERVICES.
- CONTRACTOR SHALL ABIDE BY ALL FEDERAL, STATE, AND LOCAL CODES FOR THE DEMOLITION AND DISPOSAL OF ALL MATERIALS.
- ALL QUANTITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY.
- EXCAVATE ONLY AS NECESSARY TO PERFORM THE WORK.
- CONTRACTOR TO STAKE EXTENT OF DISTURBANCE FOR NPS APPROVAL PRIOR TO IMPLEMENTATION.
- TEMPORARY DISTURBANCE AREAS ARE TO BE APPROVED BY THE CONTRACTING OFFICER.
- IF TEMPORARY DISTURBANCE TO UTILITIES IS DEEMED NECESSARY, THE CONTRACTOR SHALL FIELD COORDINATE AND PROVIDE STAMPED DRAWINGS BY A PROFESSIONAL WITH THE APPROPRIATE LICENSES AND CERTIFICATIONS FOR THE STATE OF MASSACHUSETTS FOR GOVERNMENT REVIEW.
- CONTRACTOR TO PROVIDE ALL NECESSARY MEANS TO PROTECT EXISTING STRUCTURES, PAVING, SITE FEATURES, SITE FURNISHINGS, AND VEGETATION TO REMAIN.
- CONTRACTOR SHALL MAINTAIN ALL LAWNS, SIDEWALKS, AND PARKING AREAS NOT DESIGNATED AS STAGING AREA FROM CONSTRUCTION EQUIPMENT AND DEBRIS.
- ANY TREATMENT OF PLASTIC LUMBER WHICH MAY RESULT IN SHAVINGS, CUTTINGS, OR DEBRIS SHALL BE ACCOMPLISHED IN A MANNER WHICH CONTROLS WASTE AND PREVENTS CONTAMINATION OF SITE.
- ENSURE POSITIVE DRAINAGE AT ALL TIMES.

STORM CONTROL:

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL REQUIRED PERMITS AND IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION. CONTROL SYSTEMS SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF WORK.
- NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED AS NOTED ON DRAWINGS. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATION AND FOR THE SHORTEST PRACTICAL PERIOD OF TIME.
- TOPSOIL SHALL BE STOCKPILED TO THE EXTENT PRACTICABLE ON THE SITE FOR USE ON AREAS TO BE GRADED OR TOP-DRESSED. NY AND ALL STOCKPILES SHALL BE LOCATED AND PROTECTED FROM EROSION ELEMENTS. PILE MAY BE COVERED FOR SHORT TERM STORAGE, OR SEEDED WITH ANNUAL RYE FOR LONGER TERM STORAGE.
- IF PROJECT REQUIRED EARTHWORK, THE PROPERTY SHALL BE MAINTAINED AND/OR WATERED TO PREVENT WIND-CAUSED EROSION AT ALL TIMES. EARTHWORK OPERATIONS SHALL BE DISCONTINUED WHEN FUGITIVE DUST SIGNIFICANTLY IMPACTS ADJACENT PROPERTY. IF EARTHWORK IS COMPLETE OR DISCONTINUED AND DUST FROM THE SITE CONTINUES TO CREATE PROBLEMS, THE CONTRACTOR SHALL IMMEDIATELY INSTITUTE MITIGATIVE MEASURES AND SHALL CORRECT DAMAGE TO ADJACENT PROPERTY.
- THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING WETLANDS AND/OR WATERWAYS DURING ALL DEMOLITION, EXCAVATION, GRADING OR OTHER CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, ROADWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
- THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL

POLLUTANTS THAT MAY HAVE BEEN INADVERTENTLY DISCHARGED TO, OR ACCUMULATED IN, THE FLOW LINES AND PUBLIC RIGHT-OF-WAY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS CONSTRUCTION PROJECT.

- THERE SHALL BE NO CUT SOIL OR EXCAVATED STONE TRANSPORTED FROM THE SITE WITHOUT PRIOR APPROVAL OF CONTRACT OFFICER.
- APPROVED EROSION AND SEDIMENT CONTROL "BEST MANAGEMENT PRACTICES" (BMP) SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL BMPs WEEKLY AND AFTER SIGNIFICANT PRECIPITATION EVENTS. ALL NECESSARY MAINTENANCE AND REPAIR SHALL BE COMPLETED IN A TIMELY MANNER. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM A BMP WHEN THE SEDIMENT LEVEL REACHES ONE HALF THE HEIGHT OF THE BMP OR, AT ANY TIME THAT SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTIONING OF THE BMP.

LAYOUT & GRADING:

- CONTRACTOR TO FIELD VERIFY EXISTING DIMENSIONS & GRADES PRIOR TO CONSTRUCTION.
- BACKFILL PER FEDERAL, STATE AND LOCAL REQUIREMENTS. STAKE ALL IMPROVEMENTS FOR GOVERNMENT REVIEW PRIOR TO INSTALLATION. CONTRACTOR TO RE-STAKE IMPROVEMENTS AND MAKE ADJUSTMENTS AT THE DIRECTION OF THE GOVERNMENT.

PLANTING, SODDING, SEEDING:

- NO PLANT MATERIAL SHALL BE PLANTED IN FROZEN GROUND. NO PLANT MATERIAL SHALL BE PLANTED DURING PERIOD OF EXTREME HEAT OR DROUGHT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON PLANTING PLANS AND COVERAGE OF ALL DISTURBED AREAS IN CONSTRUCTION AREA, UNLESS OTHERWISE NOTED. WHEN ANY DISCREPANCIES OCCUR BETWEEN PLANT LIST AND PLANTING PLAN, THE PLANTING PLAN IS TO SUPERCEDE. NOTIFY CONTRACTING OFFICER OF ANY LAYOUT DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION.
- NO SUBSTITUTIONS SHALL BE ALLOWED WITHOUT APPROVAL OF THE CONTRACTING OFFICER.
- ALL PLANTING BED LOCATIONS, BED SHAPES, AND THE LOCATIONS OF ALL TREES MUST BE APPROVED BY THE CONTRACTING OFFICER BEFORE THE INSTALLATION OF ANY PLANT MATERIAL. STAKE TREE LOCATIONS AND MARK BED BOUNDARIES WITH STAKES OR PAINT, NOTIFY CONTRACTING OFFICER TO ARRANGE FOR INSPECTION.
- ALL PLANT MATERIAL SHALL BE #1 GRADE, GROWN AND PLANTED TO ANSI SPECIFICATIONS, AND INSECT AND DISEASE FREE
- ALL PLANTING BEDS SHALL BE EDGED AS INDICATED ON DRAWINGS, AND RECEIVE A MINIMUM 3" OF MULCH MEETING SPECIFICATIONS.

DESIGNED: MPS/JAS	SUB SHEET NO. L2	TITLE OF SHEET NOTES	DRAWING NO. 406
GAO			PMIS/PRG NO. 317529
MPS/JAS			SHEET
TECH. REVIEW: HACE			3 of 33
DATE: 10/31/2022	GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA		

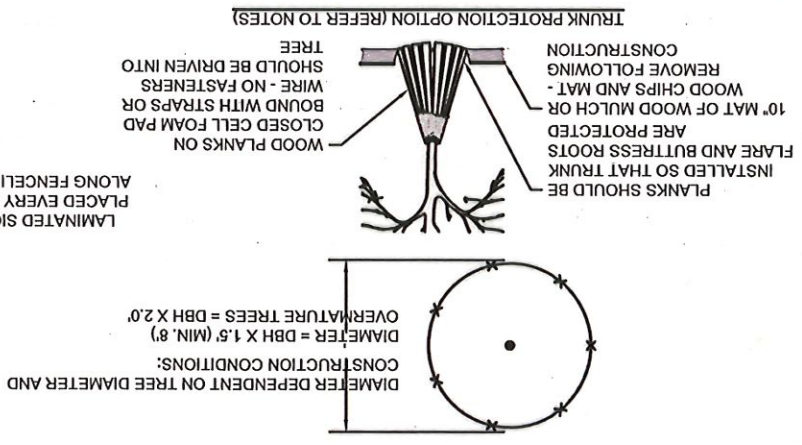
LANDSCAPE CONSTRUCTION SCHEDULING CONSIDERATIONS												
ACTION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
LANDSCAPE PLANTING ¹												
TREE PLANTING ²												
TREE PRUNING												
TREE REMOVAL												
HEAVY SHRUB/SCRUB REMOVAL												
SODDING, SEEDING LAWN ^{1,2}												
SEEDING MEADOW ^{1,2}												
LAWN MOWING												
FIRST YEAR MEADOW MOWING												
ESTABLISHED MEADOW MOWING												
WETLAND SCHEDULING CONSIDERATIONS												
ACTION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
VERNAL POOL CONSTRUCTION ⁵												
WETLAND CONSTRUCTION ⁶												

NOTES:
 1. LAWN AND MEADOW SEEDING SHOULD BE WITHIN THE LIMITS ACCEPTABLE FOR SPECIES OR MIX TYPE. DO NOT SEED OR PLANT MEADOW OUTSIDE OF RECOMMENDATIONS FOR TYPE.
 2. REFER TO MEADOW SEEDING SPECIFICATION. RATES FOR SEEDING SHOULD BE INCREASED BY 25% DURING CERTAIN SUMMER MONTHS.
 3. USE A STRING TRIMMER OR MOWER TO CUT BACK COOL SEASON GRASSES IN SELECT AREAS.
 4. IN SOME AREAS, ARCHEOLOGICAL OVERSIGHT MAY BE NEEDED FOR EXCAVATION/DRILLING, COORDINATE WITH PARK REPRESENTATIVES OR CONTRACTOR FOR PERMITS AND RECORDS FOR REMOVAL, SHIRTS, OR TREE PLANTINGS.
 5. WETLAND CONSTRUCTION ALLOWED JUNE 1 THROUGH OCTOBER 15, WORK WITHIN WETLANDS FROM OCTOBER 15 TO FEBRUARY 28 MAY BE ALLOWED WITH THE APPROVAL OF CONTRACTING OFFICER FOLLOWING CONSULTATION WITH JURISDICTION HAVING AUTHORITY.

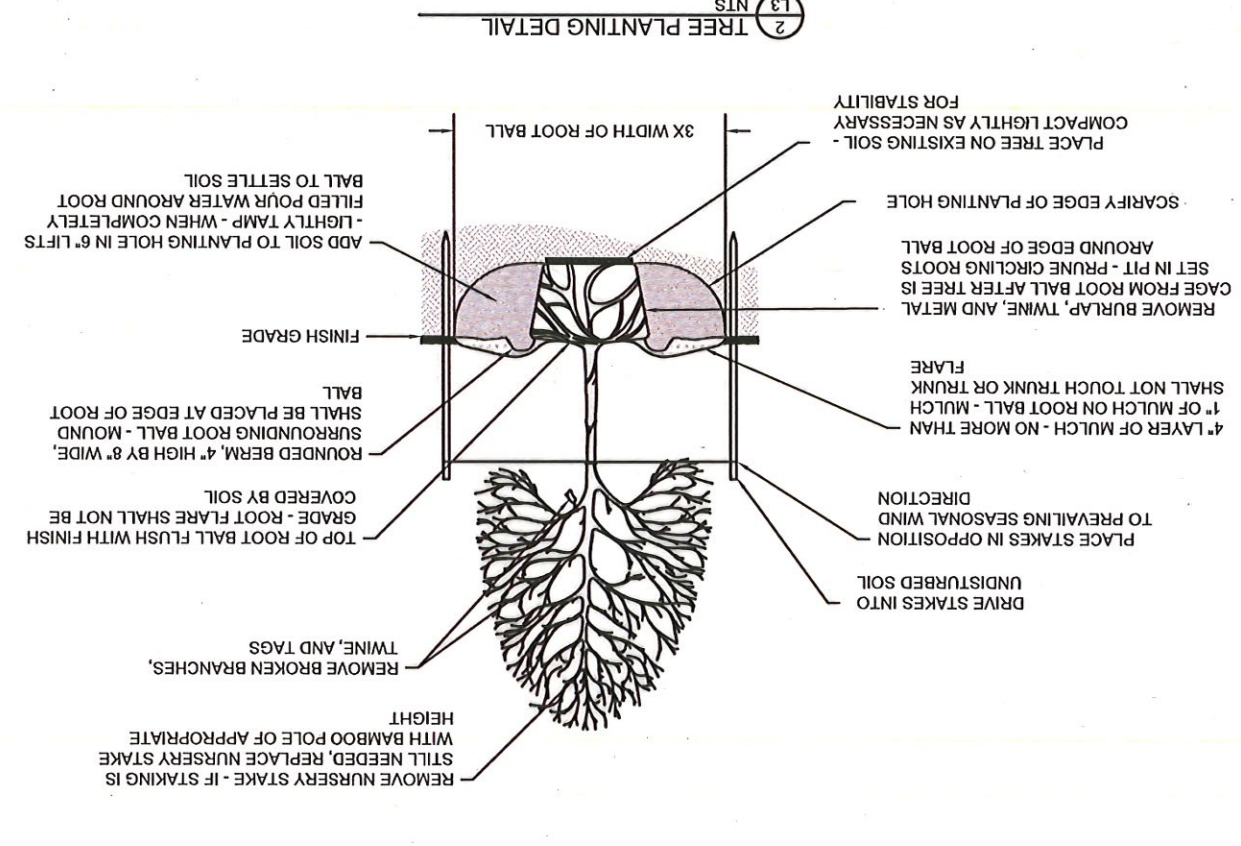
ALLOWED	LIMITED	SPECIAL CONDITION	LIMITED/FORBIDDEN
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1. NO PRUNING OF LIMBS OR ROOTS ON ANY PART OF THE TREE SHALL BE PERFORMED EXCEPT UNDER GUIDANCE OF CERTIFIED ARBORIST OR AN APPROVED PARK REPRESENTATIVE.
2. INSTALL PROTECTION FENCING, SIGNAGE, AND ANY NECESSARY ACCESSORIES AS INDICATED IN DRAWINGS AND SPECIFICATIONS.
3. REMOVE TREES AND OTHER VEGETATION ONLY AS INDICATED ON THE DRAWINGS AND AS PER SPECIFICATIONS. REMOVAL SHALL BE COMPLETED USING INDUSTRY BEST PRACTICES. TRANSPORT OFFSITE TO AN APPROVED DISPOSAL SITE.
4. TREES MARKED ALONG TRAIL FOR PROTECTION ARE VERY CLOSE TO TRAIL AND IN THE PATH OF CONSTRUCTION. TREES REQUIRE TRUNK PROTECTION DURING CONSTRUCTION. IF TREE REQUIRES REMOVAL, THIS TREE SHOULD BE REPLACED IN KEEPING WITH OTHER TREES, IN APPROPRIATE, APPROVED SPECIES FOR LOCATION.
5. ALL TREES AND NATURAL AREAS NOTED IN TREE PROTECTION PLAN SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING AT THE START OF ANY SITE PREPARATION WORK THROUGH THE ENTIRETY OF CONSTRUCTION.
6. PROTECTIVE FENCING SHALL EXPAND TO INCLUDE TREES WHOSE TRUNKS ARE WITHIN FIVE FEET OF CONSTRUCTION ZONE. EXTRA CARE SHOULD BE TAKEN TO AVOID DAMAGE BY CONSTRUCTION ACTIVITY.
7. IF AN EXISTING IRRIGATION SYSTEM IS RENDERED INOPERABLE DURING CONSTRUCTION, CONTRACTOR SHALL PROVIDE ADEQUATE WATER FOR PLANT MATERIALS AS SPECIFIED.
8. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE MAINTAINED TO PREVENT SOIL BUILDUP IN PROTECTED AREA.
9. REMOVAL OF SUB-GRADE MATERIALS WITHIN CRITICAL ROOT ZONE SHALL BE DONE BY HAND UTILIZING HAND TOOLS AND/OR AN AIR SPADE WHEN LARGE (? DIAMETER OR GREATER) ROOTS ARE UNCOVERED. EXPOSED ROOTS WITHIN THE EXCAVATED AREA SHALL BE PRUNED AND KEPT MOIST UNTIL SUBGRADE MATERIALS HAVE BEEN LIFTED INTO SITE AND COMPACTED. ROOT PRUNING SHALL BE OVERSEEN BY CERTIFIED ARBORIST OR AN APPROVED PARK REPRESENTATIVE.
10. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS THROUGH COORDINATION WITH CONTRACTING OFFICER.
11. IN THE EVENT OF DAMAGE TO TREES OR LANDSCAPE, CONTRACTOR SHALL CONTACT PARK REPRESENTATIVE IMMEDIATELY.
12. REFER TO SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.

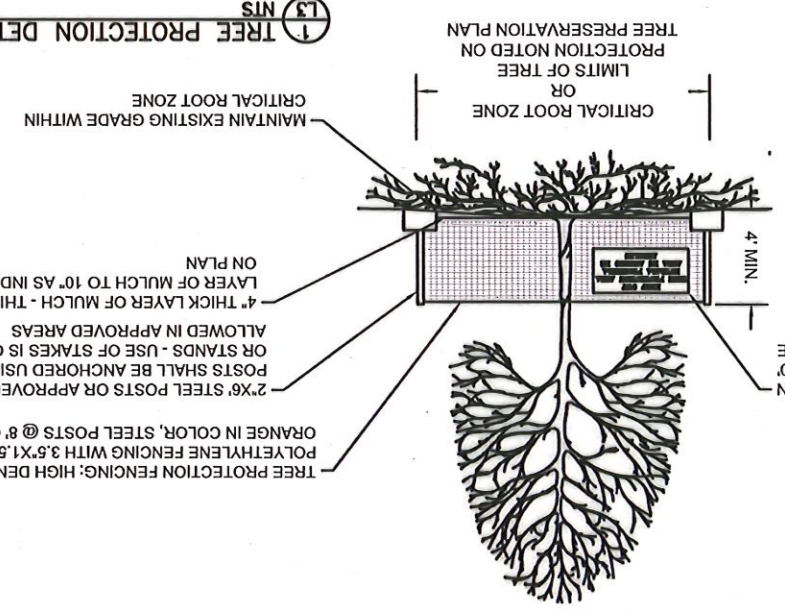
1. TREES MAY BE DAMAGED DURING CONSTRUCTION OR CALLED OUT FOR REMOVAL ON PLANS. ANY REMOVED TREE MUST BE REPLACED.
2. PLANTS SHOWN FOR REMOVAL OR NEEDING PROTECTION ON PLAN ARE PRELIMINARY. CONTRACTOR SHALL FLAG TREES ALONG TRAIL WHICH REQUIRE PROTECTION OR REMOVAL BEFORE CONSTRUCTION BEGINS FOR REVIEW BY CONTRACTING OFFICER. FINAL DETERMINATION FOR REMOVAL SHALL BE MADE BY CONTRACTING OFFICER.
3. NEWLY PLANTED TREES SHALL BE UNDER CARE OF CONTRACTOR DURING PERIOD OF ESTABLISHMENT, UNTIL ACCEPTED BY CONTRACTING OFFICER. TREE SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITY.
4. EVERY NEW TREE SHALL RECEIVE A SLOW RELEASE WATERING DEVICE AND PROTECTIVE DEER FENCING.



- NOTE:
1. TREE PROTECTION SHALL BE PROVIDED AS INDICATED ON DRAWINGS, OR AS DETERMINED BY CONTRACTING OFFICER DURING PROJECT COORDINATION.
 2. PLANK TRUNK PROTECTION SHALL ONLY BE PROVIDED AS INDICATED ON PLANS. DO NOT INSTALL UNLESS EXPRESSLY INDICATED OR APPROVED BY CONTRACTING OFFICER.
 3. ANY DAMAGE TO TREES ON ANY PORTION OF SITE SHALL BE REPORTED TO CONTRACTING OFFICER OR PARK REPRESENTATIVE AS SOON AS POSSIBLE.
 4. OVERMATURE TREES SHALL BE DESIGNATED BY CONTRACTING OFFICER BEFORE CONSTRUCTION.



2 TREE PLANTING DETAIL L3 NTS

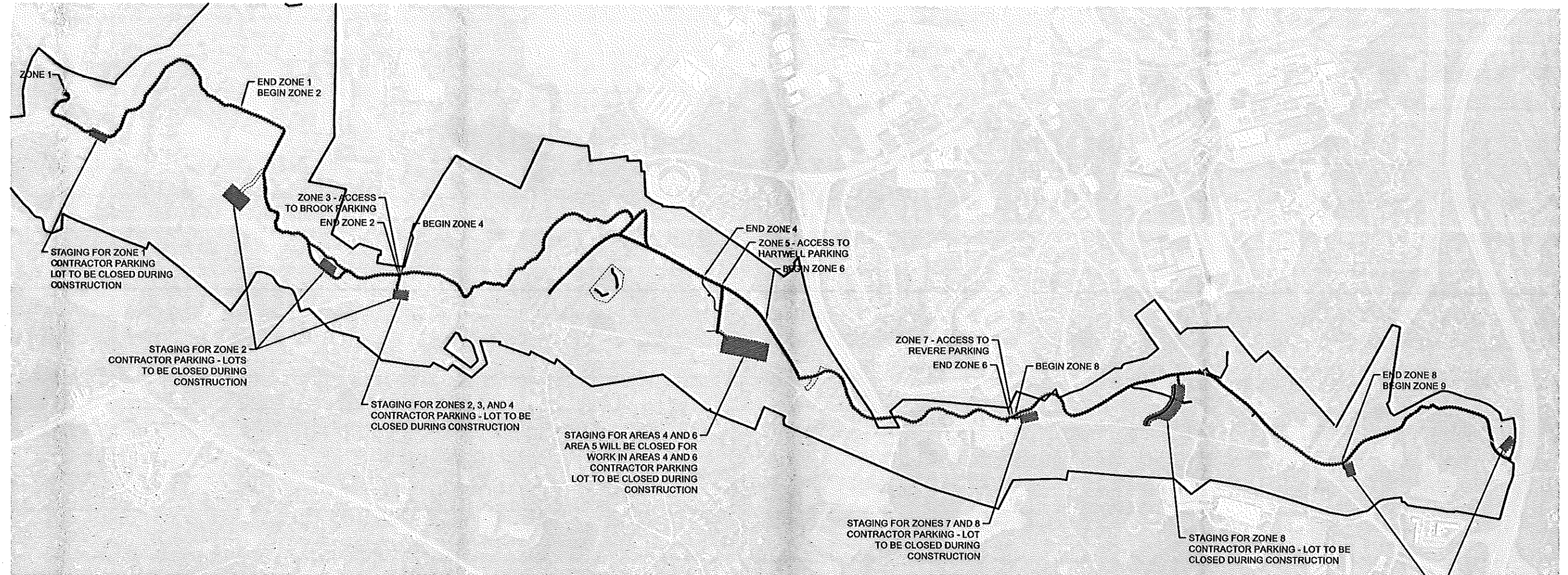


1 TREE PROTECTION DETAIL L3 NTS

DESIGNED:	MPS/JAS	DATE:	10/31/2022
SUB SHEET NO.	L3	HACE	
TITLE OF SHEET	PLANTING AND TREE PROTECTION	TECH. REVIEW:	
DRAWING NO.	406	MPS/JAS	
184184			
PMIS/PKG NO.	317529		
SHEET	4		
OF	33		

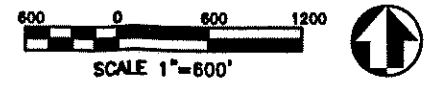
TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEWINGTON, LINCOLN, & CONCORD, MA

11/1/2022 12:51 PM MSURBER R19 C:\USERS\MSURBER\ONEEDRIVE - DOT\PARKS\WMA\GAOA\LANDSCAPE\3.0 CAD\CURRENT\TRAILSBOARDWALK\PACKAGE\L4-7_PHASE_ZONES_TRLS.DWG



1 PROPOSED PHASING ZONES

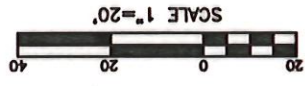
- PROJECT PHASING:**
1. PROJECT SHALL BE PHASED TO ALLOW FOR GREATEST PUBLIC ACCESS TO PARK POSSIBLE DURING CONSTRUCTION. PARK WILL FACILITATE CLOSURES OF ZONES WITHIN THE PARK TO LIMIT OR ELIMINATE VISITOR ACCESS DURING CONSTRUCTION. ACCESS TO INDIVIDUAL SITES MAY BE LIMITED AS APPROVED BY THE CONTRACTING OFFICER.
 2. STAGING WILL BE ALLOWED ALONG TRAIL, IN PARKING LOTS, AND AT SPECIFIED RESIDENTIAL SITES.
 3. STAGING, LAYDOWN FACILITIES, AND MOVEMENT OF MATERIALS SHALL BE LIMITED TO PAVED ROADWAYS AND TRAILS TO EXTENT PRACTICAL. USE OF PARKING LOTS MAY BE SHARED WITH PUBLIC PARKING. COORDINATE STAGING WITH CONTRACTING OFFICER.
 4. CONTRACTOR SHALL SECURE LAYDOWN AND STAGING FACILITIES.



DESIGNED: MPS/JAS	SUB SHEET NO. L4	TITLE OF SHEET PHASE ZONES TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	DRAWING NO. 406
TECH. REVIEW: HACE			184184
DATE: 10/31/2022			PHAS/PRG NO. 317529
			SHEET
			5 OF 33

① STAGING - EAST QUARTER SCHOOLHOUSE SITE PLAN

SCALE 1" = 20'

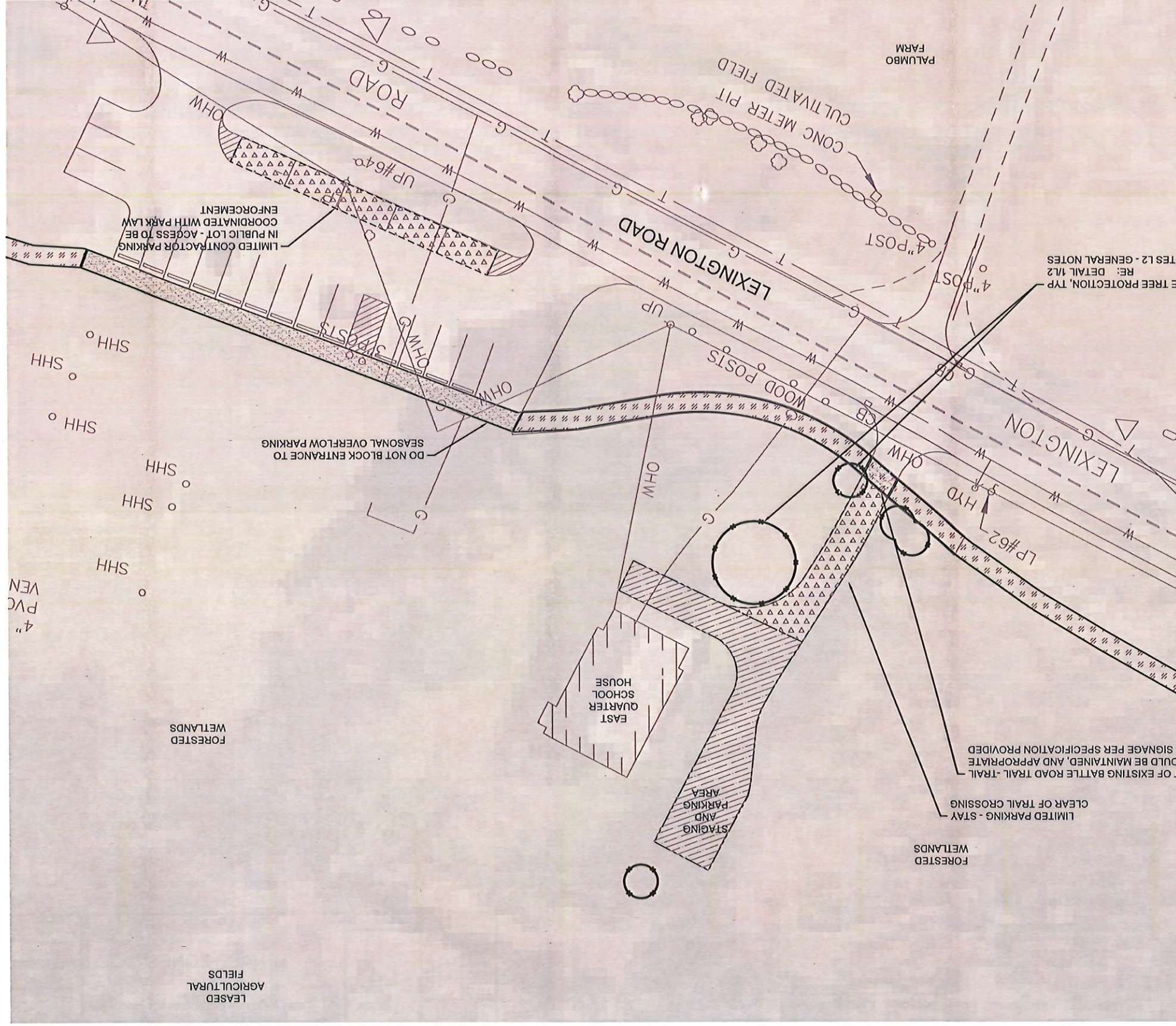


DESIGNED: MPS/JAS
 TECH. REVIEW: MPS/JAS
 HACE
 DATE: 10/31/2022

SUB SHEET NO. **L5**

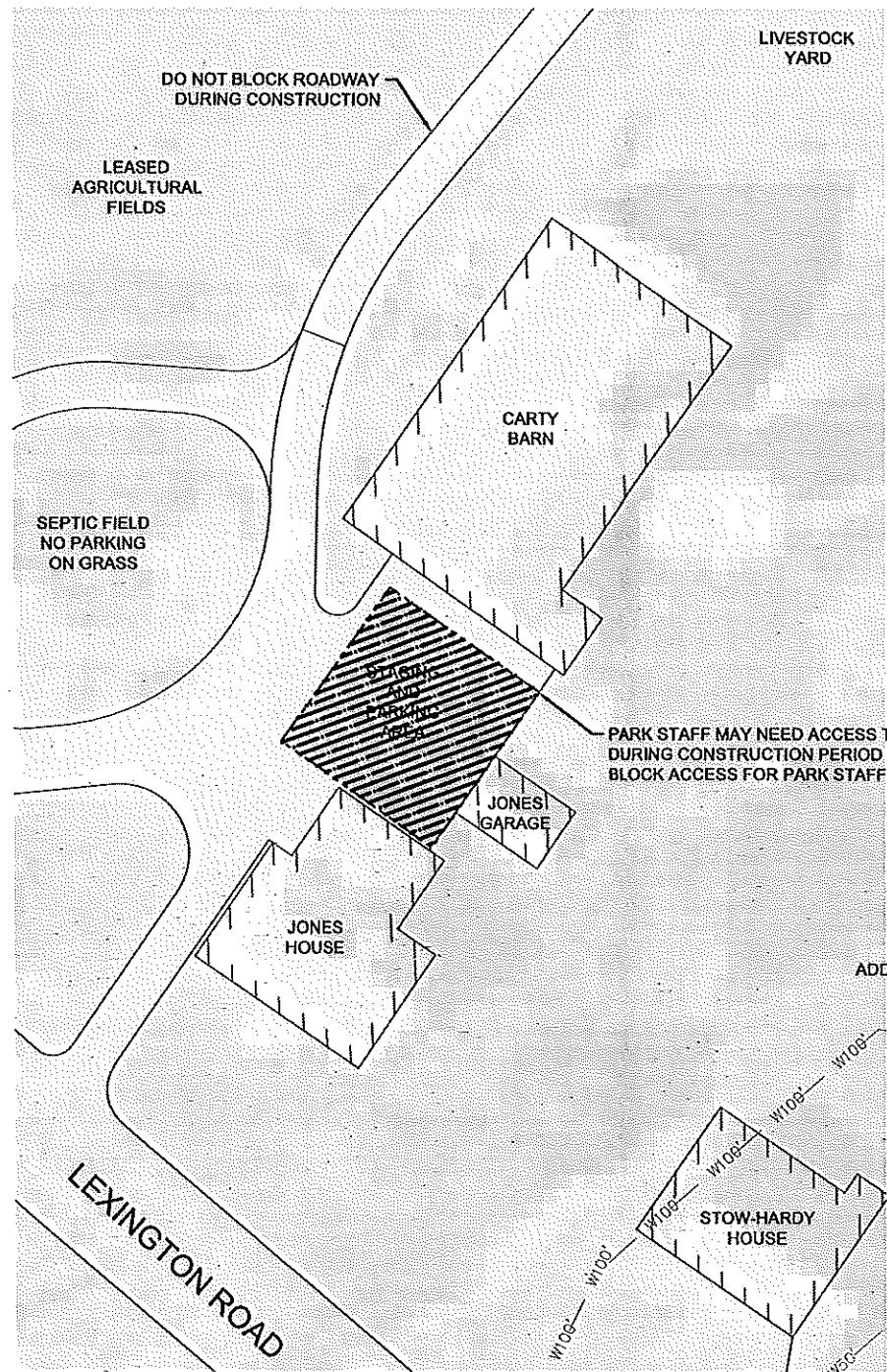
TITLE OF SHEET
STAGING - EAST QUARTER SCHOOLHOUSE
 TRAIL REPAIRS
 GREAT AMERICAN OUTDOORS ACT (GAOA)
 LEXINGTON, LINCOLN, & CONCORD, MA

DRAWING NO. 406
 184184
 PMS/PKG NO. 317529
 SHEET 6 OF 33



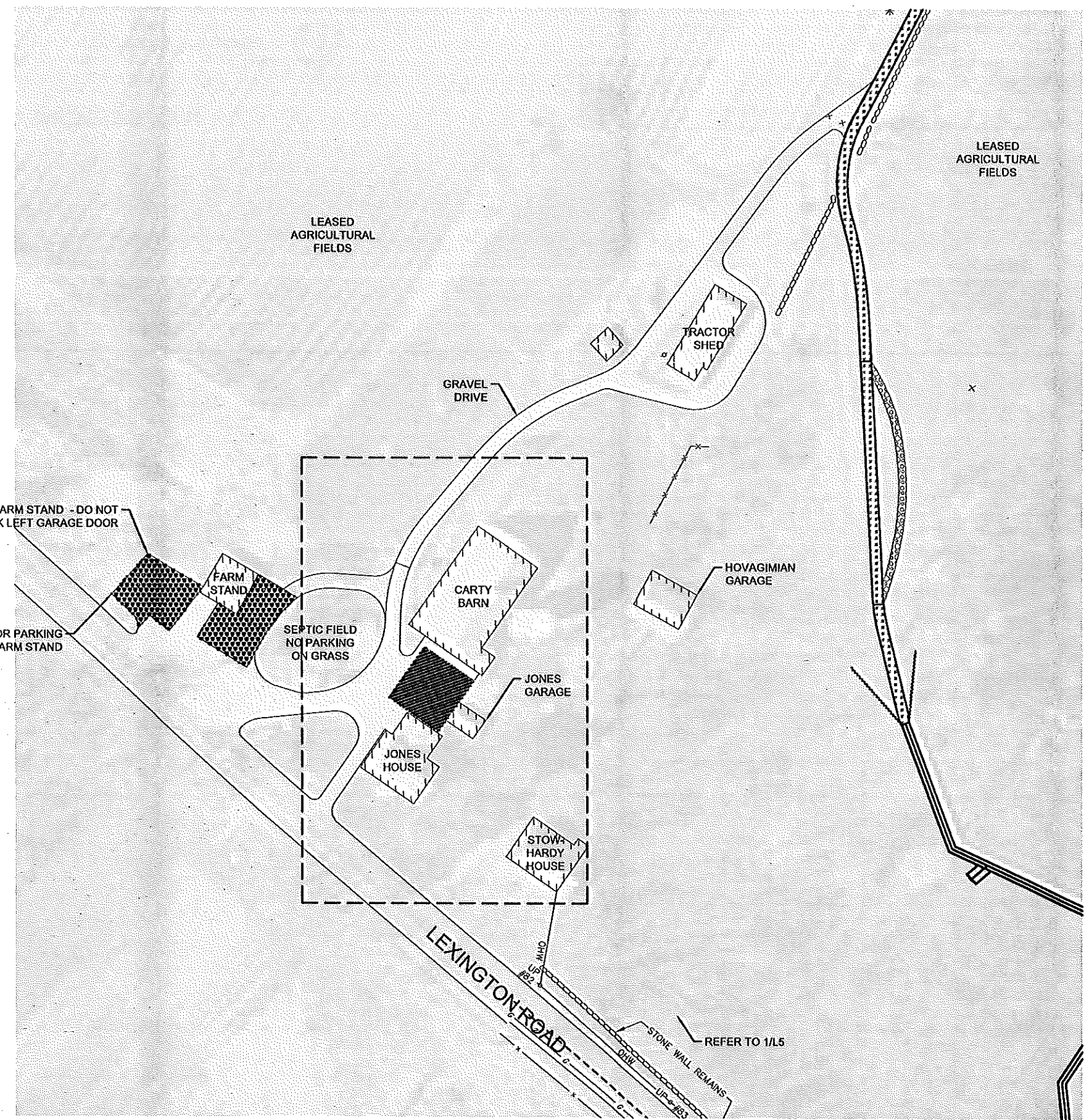
NOTE:
 1. ANY WORK WHICH DISTURBS THE SOIL WITHIN THE BOUNDARY OF THIS SITE MAY REQUIRE OVERSIGHT BY AN ARCHEOLOGICAL MONITOR. COORDINATE NEED FOR MONITOR WITH CONTRACTING OFFICER.
 2. ADDITIONAL PARKING MAY BE PROVIDED IN MERIAM LOT THROUGH COORDINATION WITH CONTRACTING OFFICER. DO NOT BLOCK ACCESSIBLE PARKING.

11/1/2022 12:53 PM MSURBER R19 C:\USERS\MSURBER\ONE DRIVE - DON\PARKS\WIMA\GAOA\LANDSCAPE\3.0 CADD\CURRENT\TRAILBOARDWALKSPACE\14-7 PHASE--ZONES--TRLS.DWG

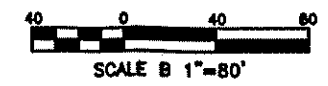


1 STAGING - JONES-STOW SITE PLAN DETAIL
SCALE A

NOTE:
1. ANY WORK WHICH DISTURBS THE SOIL WITHIN THE BOUNDARY OF THIS SITE MAY REQUIRE OVERSIGHT BY AN ARCHEOLOGICAL MONITOR. COORDINATE NEED FOR MONITOR WITH CONTRACTING OFFICER.



2 STAGING - JONES-STOW SITE PLAN
SCALE B



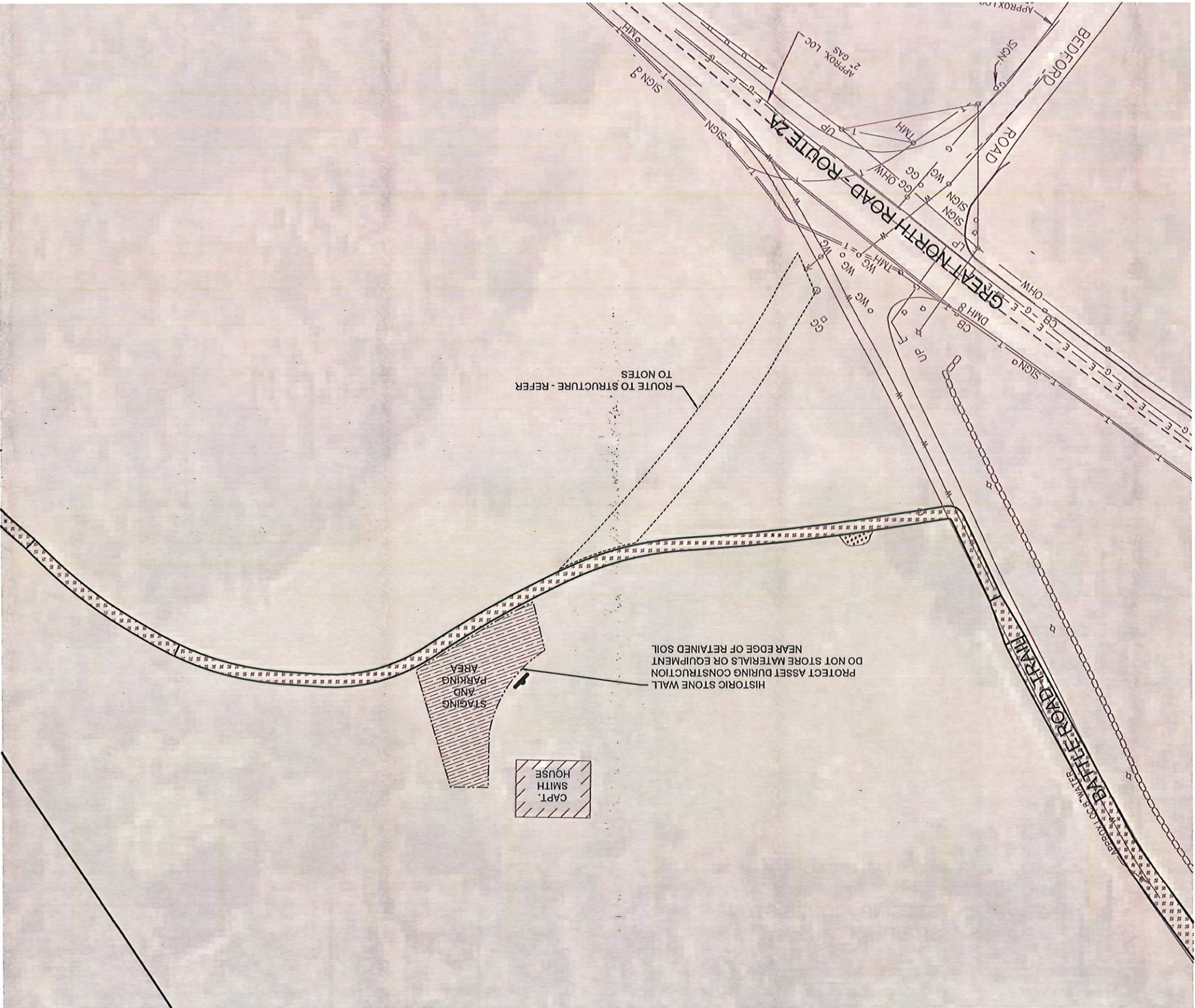
DESIGNED: MPS/JAS	SUB SHEET NO. L6	TITLE OF SHEET STAGING JONES-STOW	DRAWING NO. 406
TECH. REVIEW: HACE		TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA)	184184
DATE: 10/31/2022		LEXINGTON, LINCOLN, & CONCORD, MA	PMIS/PRG NO. 317529
			SHEET 7 OF 33

① STAGING - CAPTAIN SMITH SITE PLAN

SCALE 1" = 30'



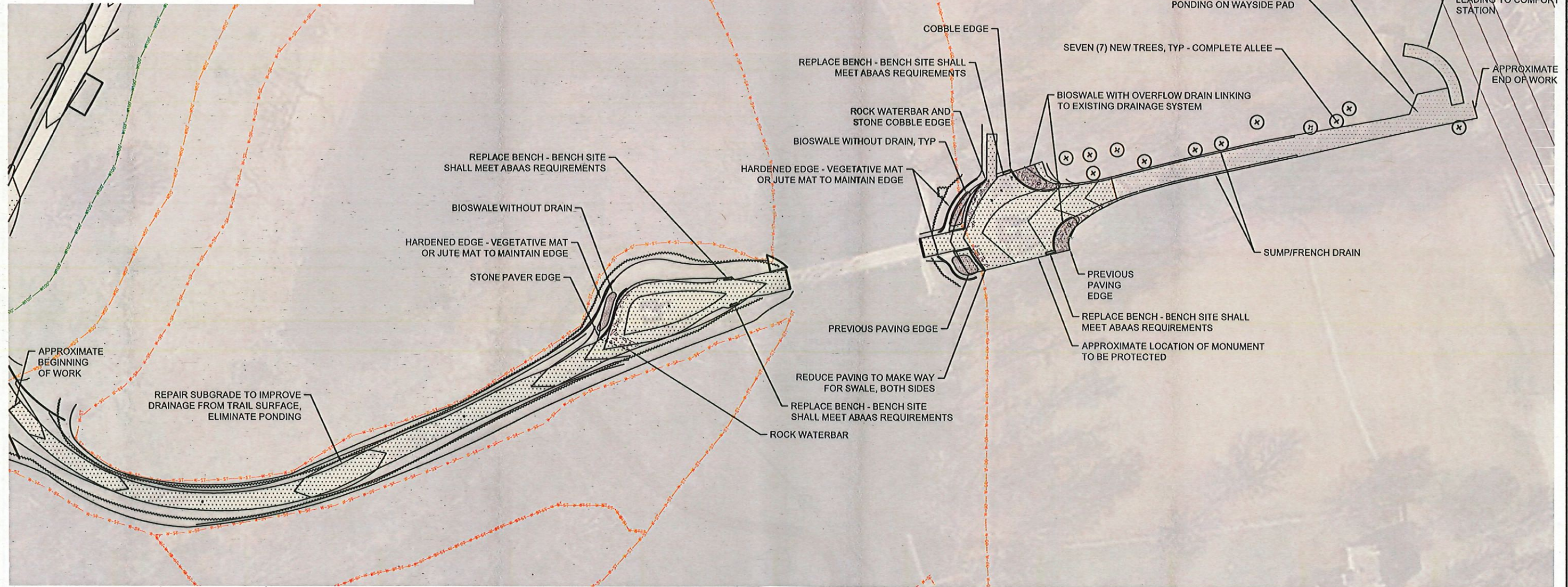
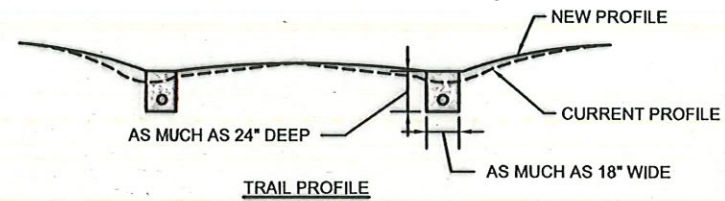
NOTE:
 1. ANY WORK WHICH DISTURBS THE SOIL WITHIN THE BOUNDARY OF THIS SITE MAY REQUIRE OVERSIGHT BY AN ARCHEOLOGICAL MONITOR. COORDINATE NEED FOR MONITOR WITH CONTRACTING OFFICER.
 2. ADDITIONAL STAGING AND PARKING WILL BE PROVIDED IN THE HARTWELL OVERFLOW LOT ACROSS THE STREET THROUGH COORDINATION WITH CONTRACTING OFFICER. DAILY PARKING FOR CONSTRUCTION PERSONNEL WITH BE ACCOMMODATED IN THE LOT.
 3. USE OF ROUTE TO STRUCTURE SHOULD BE LIMITED TO DELIVERY OF MATERIALS AND EQUIPMENT. USE OF THIS ROUTE SHOULD BE MINIMIZED. PROTECTIVE MATTING MAY BE NECESSARY DURING PERIODS OF WEATHER AND MUDDY CONDITIONS, OR WHEN HEAVY LOADS ARE INVOLVED. COORDINATE ACTIVITY WHICH MAY REQUIRE PROTECTION WITH CONTRACTING OFFICER TO LIMIT DISTURBANCE.



DRAWING NO. 406		DESIGNED: MPS/JAS	
184184		MPS/JAS	
317529		TECH. REVIEW: MPS/JAS	
SHEET 8 OF 33		DATE: 10/31/2022	
TITLE OF SHEET		SUB SHEET NO. L7	
CAPTAIN SMITH STAGING		HACE	
TRAIL REPAIRS		GREAT AMERICAN OUTDOORS ACT (GAOA)	
LEMINGTON, LINCOLN, & CONCORD, MA			

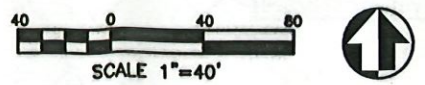
- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. CONCORD CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY, WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 3. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

4. DETAILS FOR DRAINAGE AND BIOSWALES FOUND ON SHEET L31 - DETAILS



11/1/2022 1:02 PM MSURBER R19 C:\USERS\MSURBER\ONEDRIVE - DO\ PARKS\WMA\GAOA\LANDSCAPE\3.0 CAD\CURRENT\TRAILSBOARDWALKPACKAGE\LB_NORTHBRIDGE_TRLS.DWG

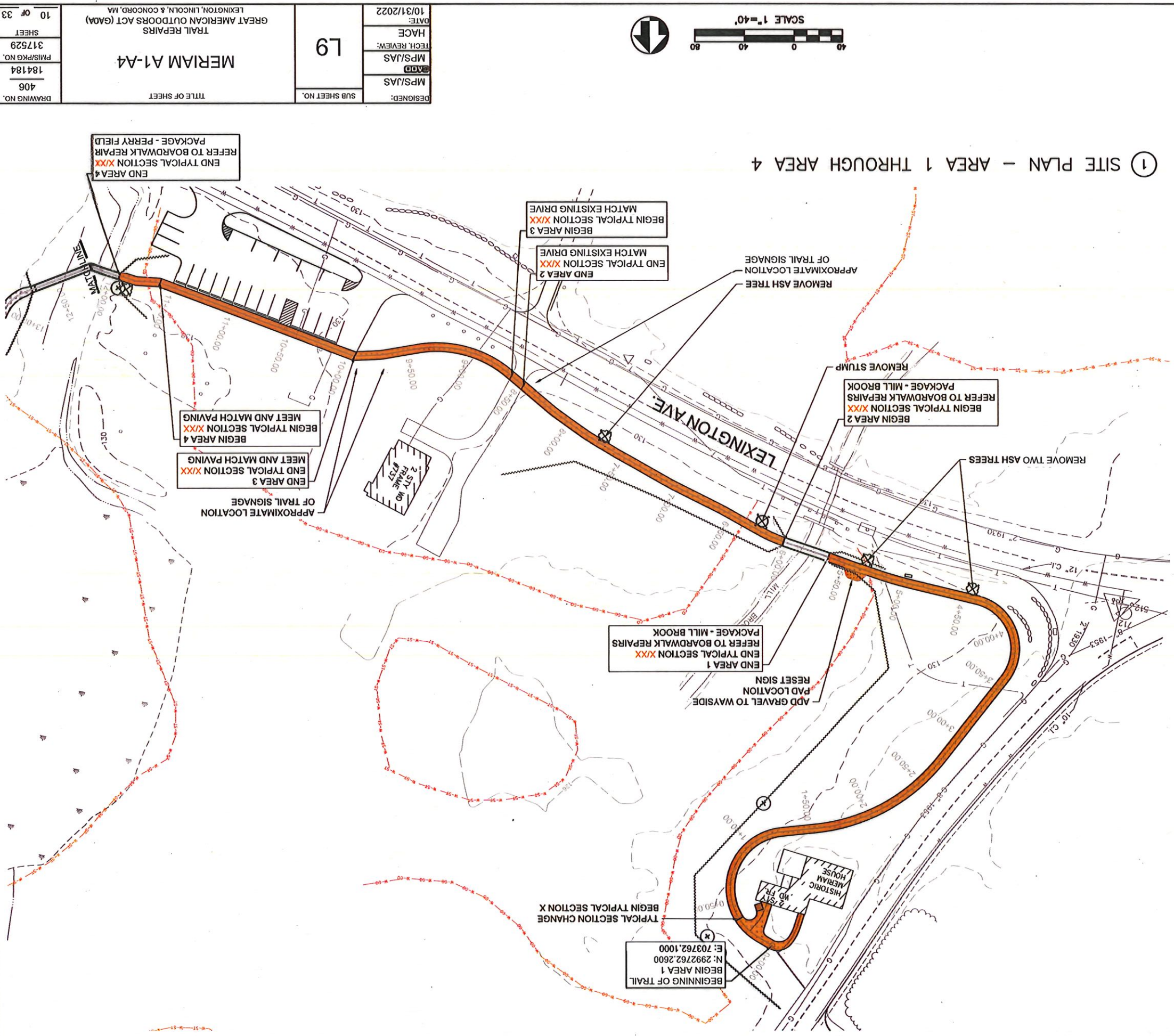
BATTLE ROAD SUMMARY TREE SCHEDULE (PRELIM)			
QUAN	COMMON NAME/SPECIES	SIZE	NOTES
0	TREES REMOVED		
11	SUGAR MAPLE ACER SACCHARUM		'COMMEMORATION'



DESIGNED: MPS/JAS GADD MPS/JAS TECH. REVIEW: HACE DATE: 10/31/2022	SUB SHEET NO. L8	TITLE OF SHEET NORTH BRIDGE TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	DRAWING NO. 406 184184 PMIS/PKG NO. 317529 SHEET 9 OF 33
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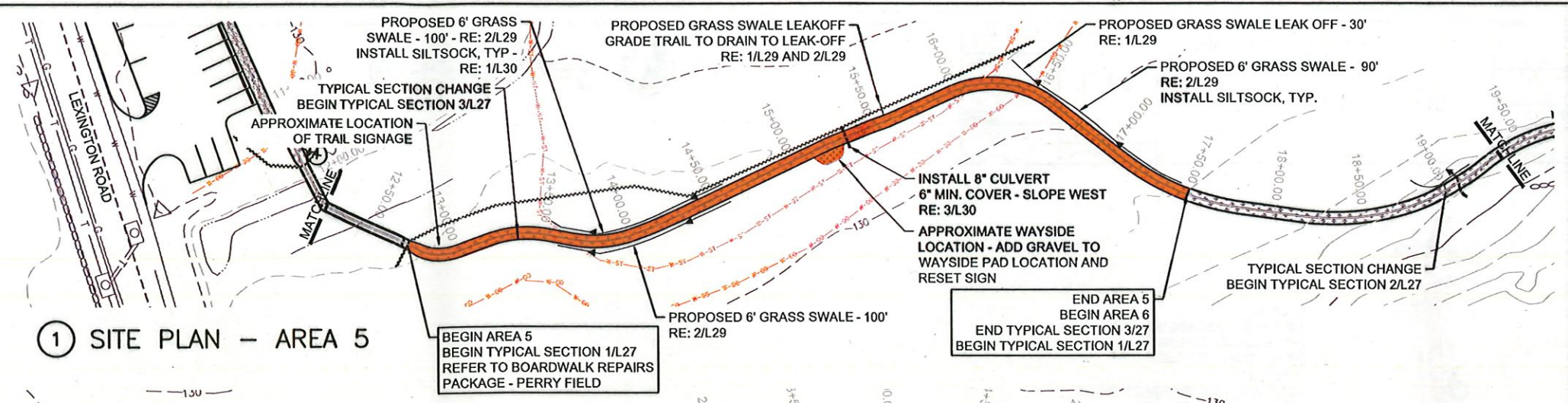
- NOTES:
- CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 - CONCORD CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 - PROPOSED GRASSSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

① SITE PLAN - AREA 1 THROUGH AREA 4

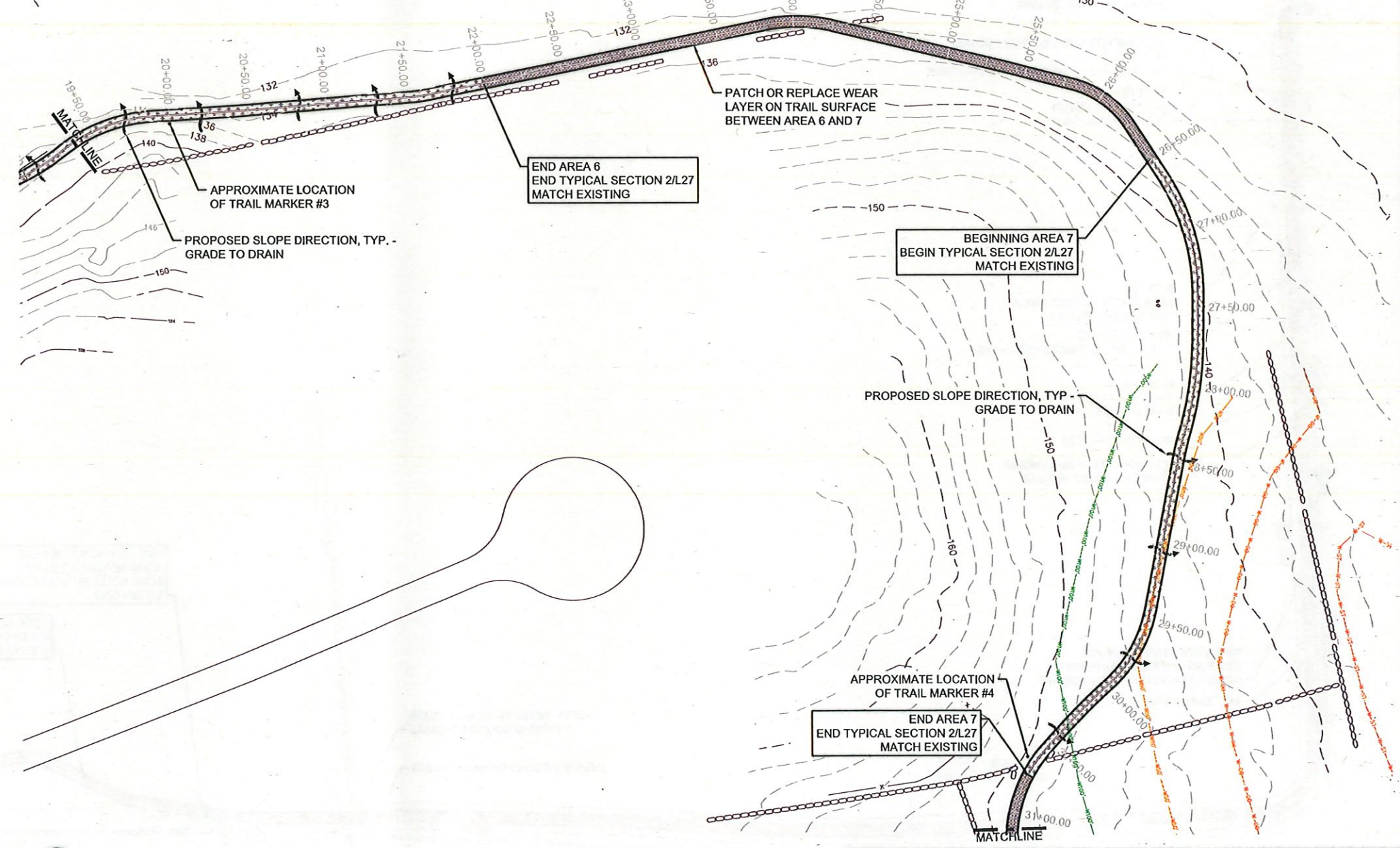


DESIGNED: MPS/JAS	DATE: 10/31/2022	SUB SHEET NO. L9	TITLE OF SHEET MERIAM A1-A4
ADD MPS/JAS	HACE		
TECH. REVIEW: MPS/JAS	DATE: 10/31/2022	DRAWING NO. 406	TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA
DATE: 10/31/2022	HACE		
184184	317529	10 of 33	
184184	317529		

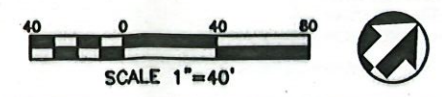
- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. CONCORD CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY, WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 3. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.



① SITE PLAN - AREA 5



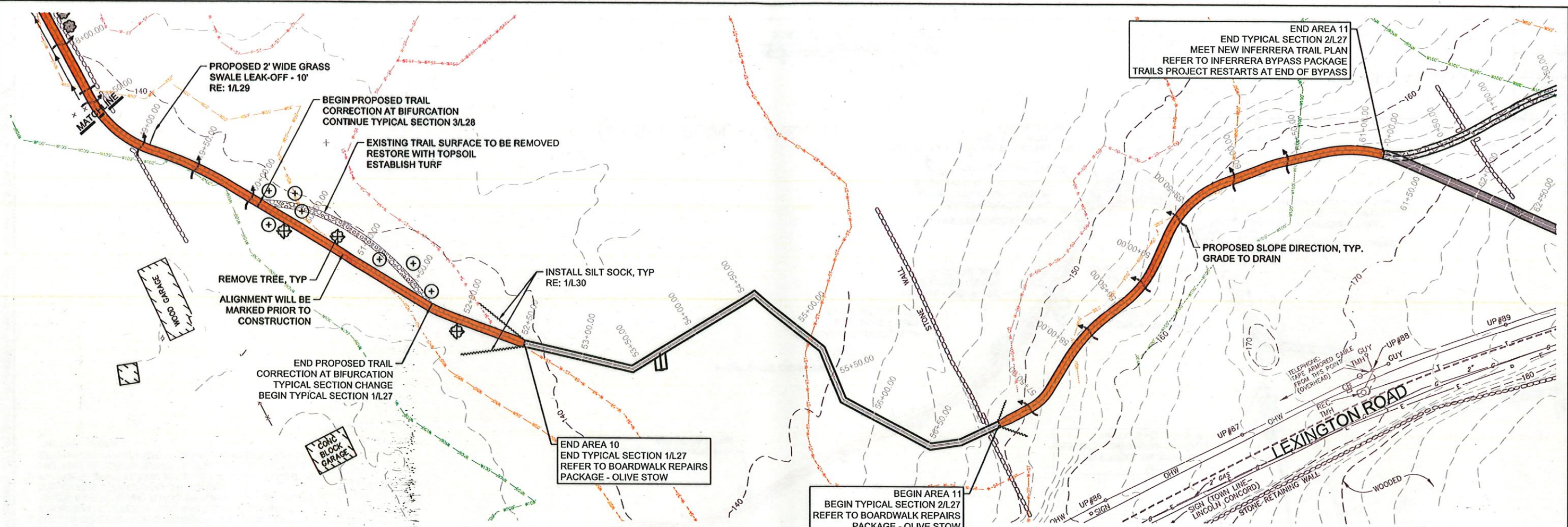
② SITE PLAN - AREA 5 AND 6



DESIGNED: MPS/JAS	SUB SHEET NO. L10	TITLE OF SHEET PERRY FIELD A5-A7	DRAWING NO. 406
TECH. REVIEW: HACE		TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	184184
DATE: 10/31/2022			PMIS/PKG NO. 317529
			SHEET 11 OF 33

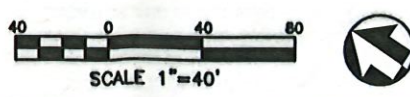
11/1/2022 1:06 PM MSURBER R19 C:\USERS\MSURBER\ONEDRIVE - DOI\PARKS\WMA\GAOA\LANDSCAPE\3.0 CADD\CURRENT\TRAILSBOARDWALKPACKAGE\L10_A5-A6_PERRYFIELD_TRLS.DWG

11/1/2022 1:11 PM MSURBER R19 C:\USERS\MSURBER\ONEDRIVE - DO\PARKS\MIMA\GAOA\LANDSCAPE\3.0 CADD\CURRENT\TRAILS\BOARDWALKSPACKAGE\L12_A8-A9_INFERRERA_TRLS.DWG



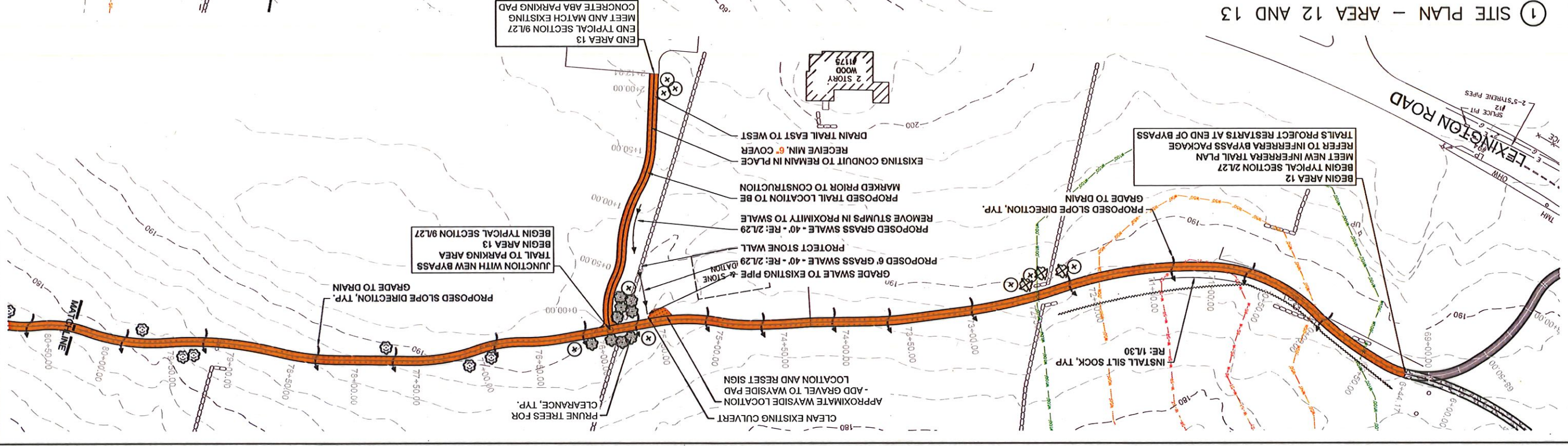
① SITE PLAN - AREA 10 AND 11

- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. CONCORD CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY, WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 3. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

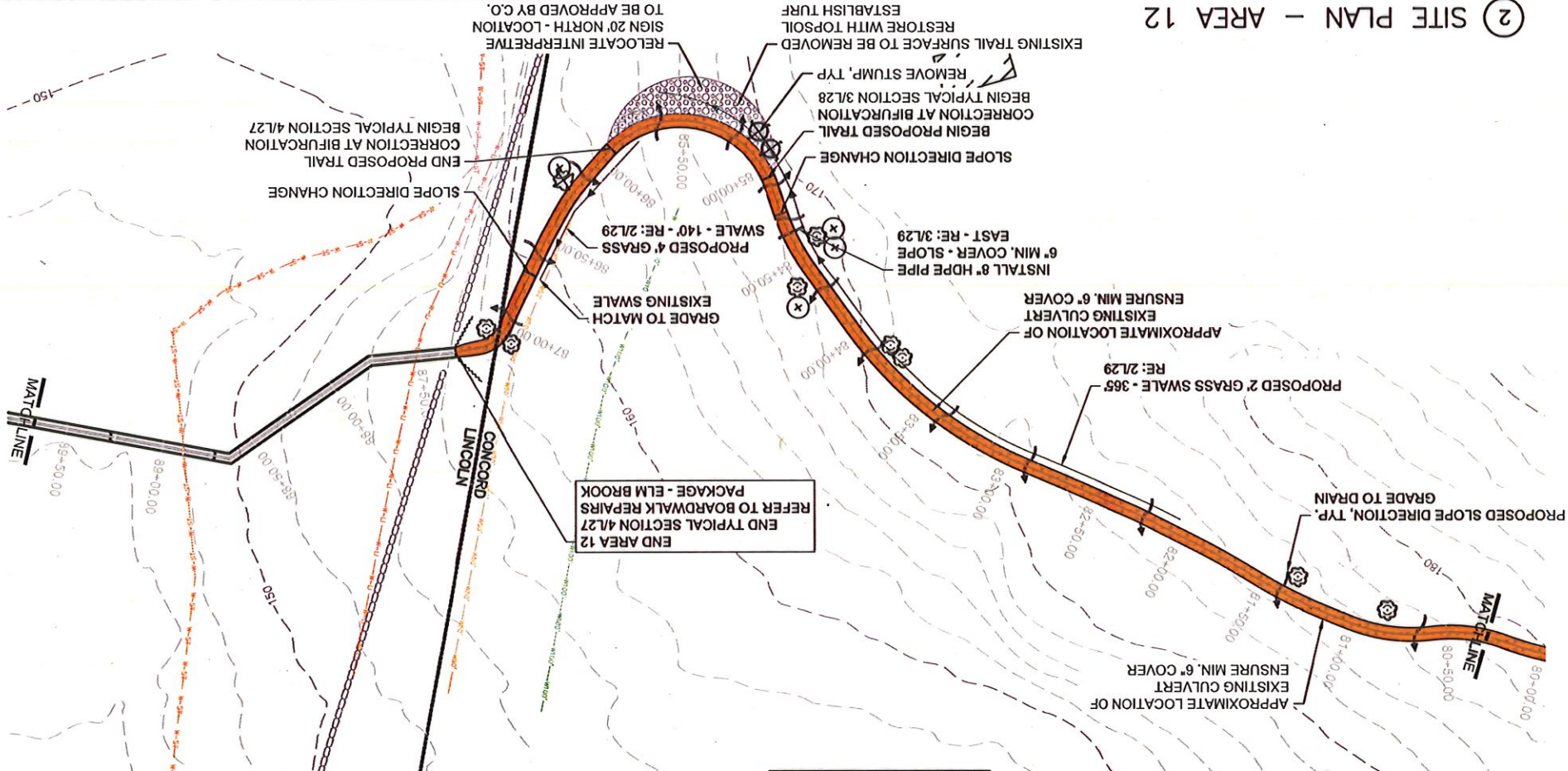


DESIGNED: MPS/JAS GADD MPS/JAS TECH. REVIEW: HACE DATE: 10/31/2022	SUB SHEET NO. L12	TITLE OF SHEET INFERRERA A10-A11 TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	DRAWING NO. 406 184184 PMIS/PKG NO. 317529 SHEET 13 OF 33
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① SITE PLAN - AREA 12 AND 13



② SITE PLAN - AREA 12



- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. LINCOLN CONSERVATION COMMISSION LINE SHOWN IS WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY, BOUNDARIES DEFINED BY LOCAL COMMISSION.
 3. PROPOSED GRASSSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

DESIGNED:	MPS/JAS
DATE:	10/31/2022
TECH. REVIEW:	HACE
MPS/JAS	
DESIGNED:	MPS/JAS
DATE:	10/31/2022
TECH. REVIEW:	HACE
MPS/JAS	

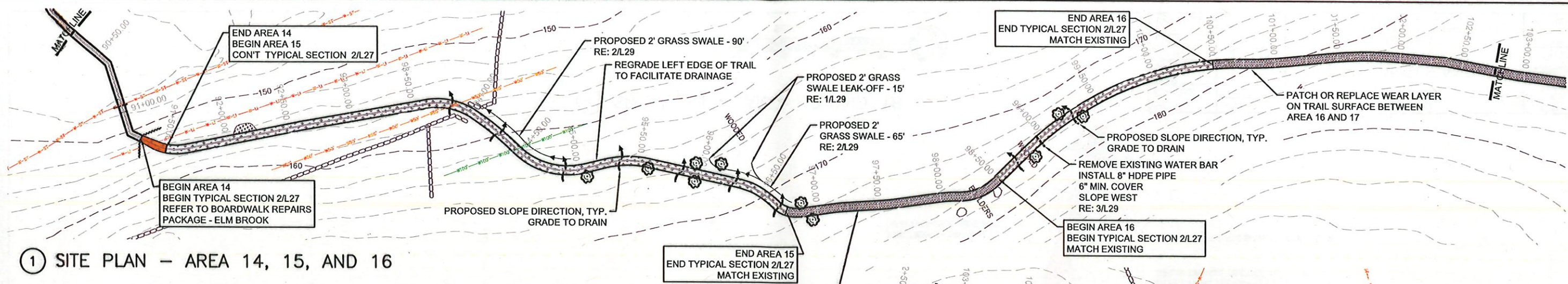
SCALE 1"=40'

TITLE OF SHEET	BROOKS A12-A13
TRAIL REPAIRS	
GREAT AMERICAN OUTDOORS ACT (GAOA)	
LENGTON, LINCOLN & CONCORD, MA	
DRAWING NO.	406
184184	
PMIS/PKG NO.	317529
SHEET	14 OF 33

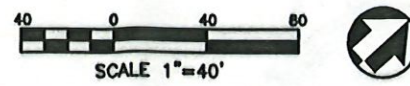
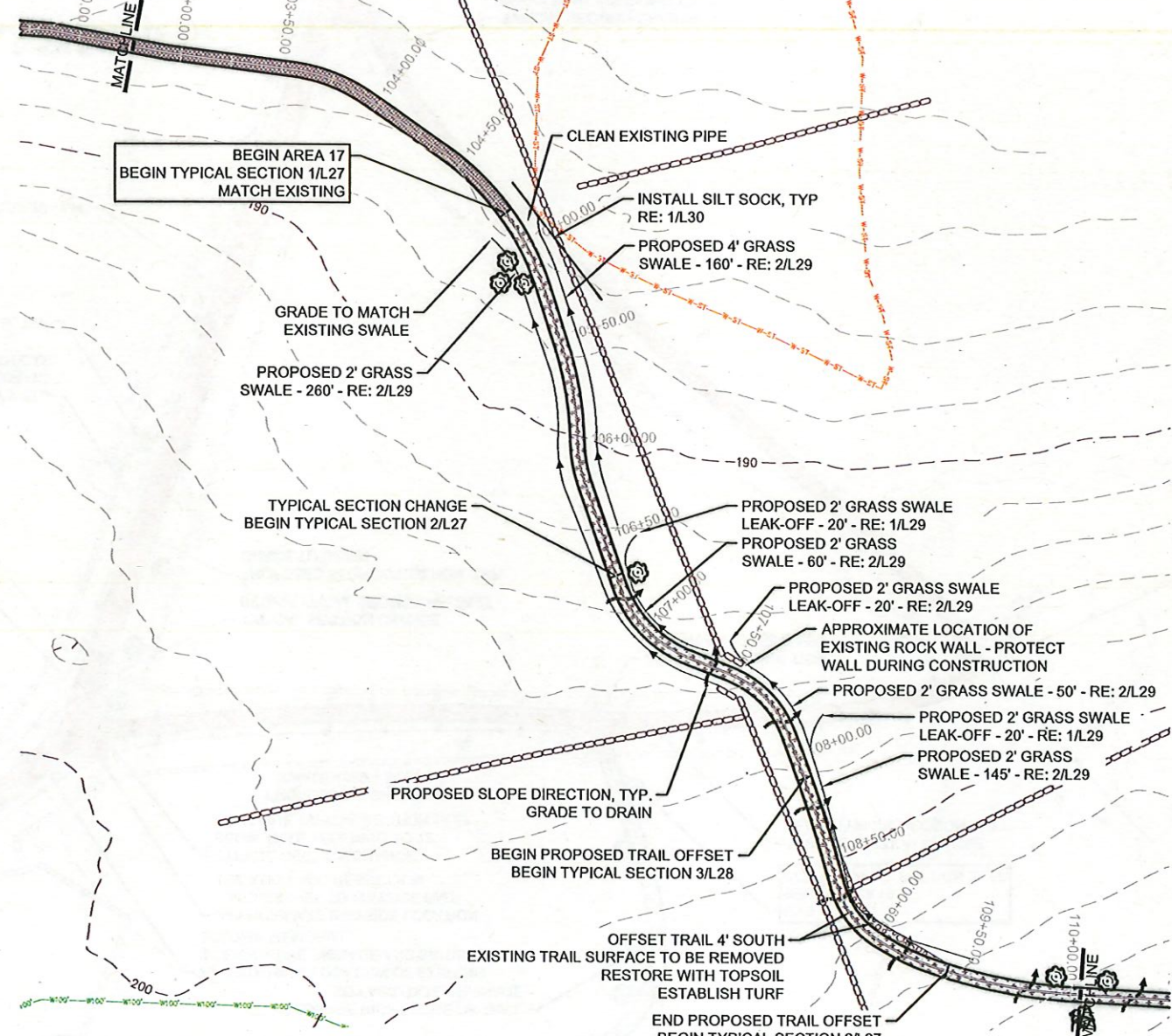
11/1/2022 1:14 PM MSURBER R19 C:\USERS\MSURBER\ONEDRIVE - 00\PARIS\WMA\GAOA\LANDSCAPE\3.0 CAD\CURRENT\TRAILSBOARDWALKSPACKAGE\14_A12-A13_ELMBROOK_TRLS.DWG

① SITE PLAN - AREA 14, 15, AND 16

- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. LINCOLN CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY, WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 3. PROPOSED GRASS SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

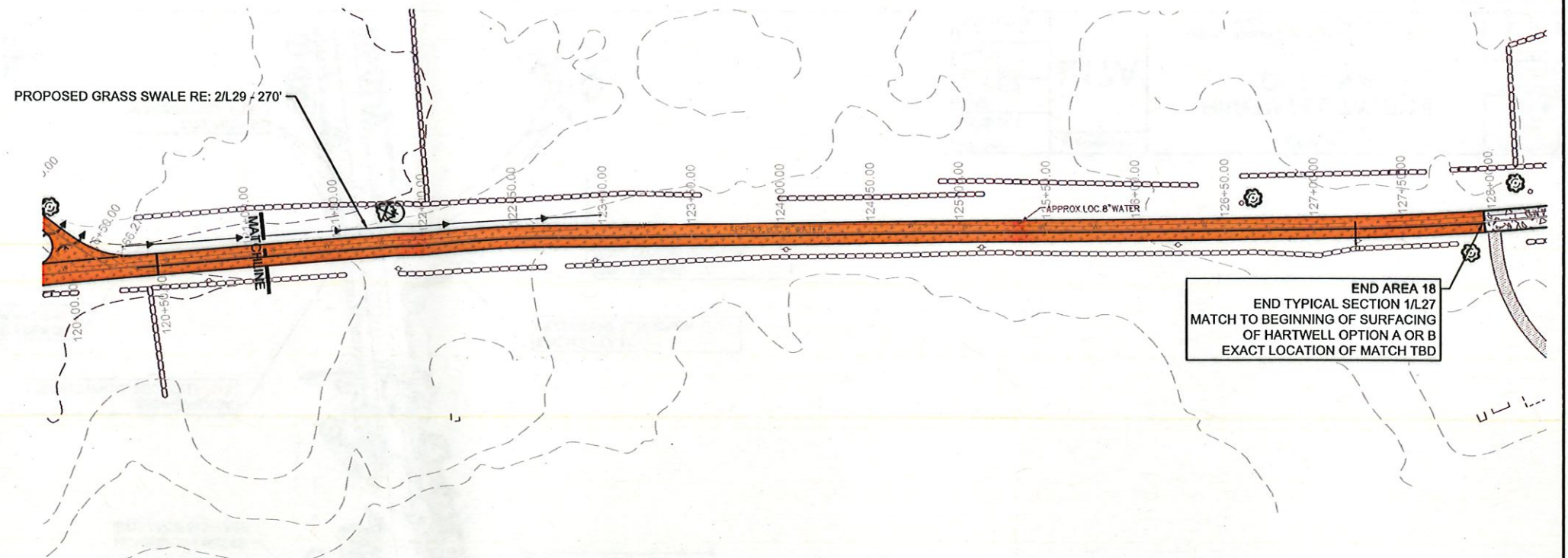


② SITE PLAN - AREA 17



DESIGNED: MPS/JAS	SUB SHEET NO. L14	TITLE OF SHEET ELM BROOK A14-A17	DRAWING NO. 406
TECH. REVIEW: HACE			184184
DATE: 10/31/2022		TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	PMIS/PKG NO. 317529
			SHEET 15 OF 33

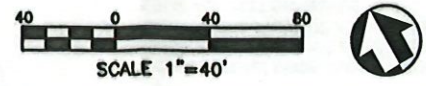
- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.



END AREA 18
 END TYPICAL SECTION 1/L27
 MATCH TO BEGINNING OF SURFACING
 OF HARTWELL OPTION A OR B
 EXACT LOCATION OF MATCH TBD

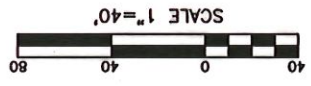
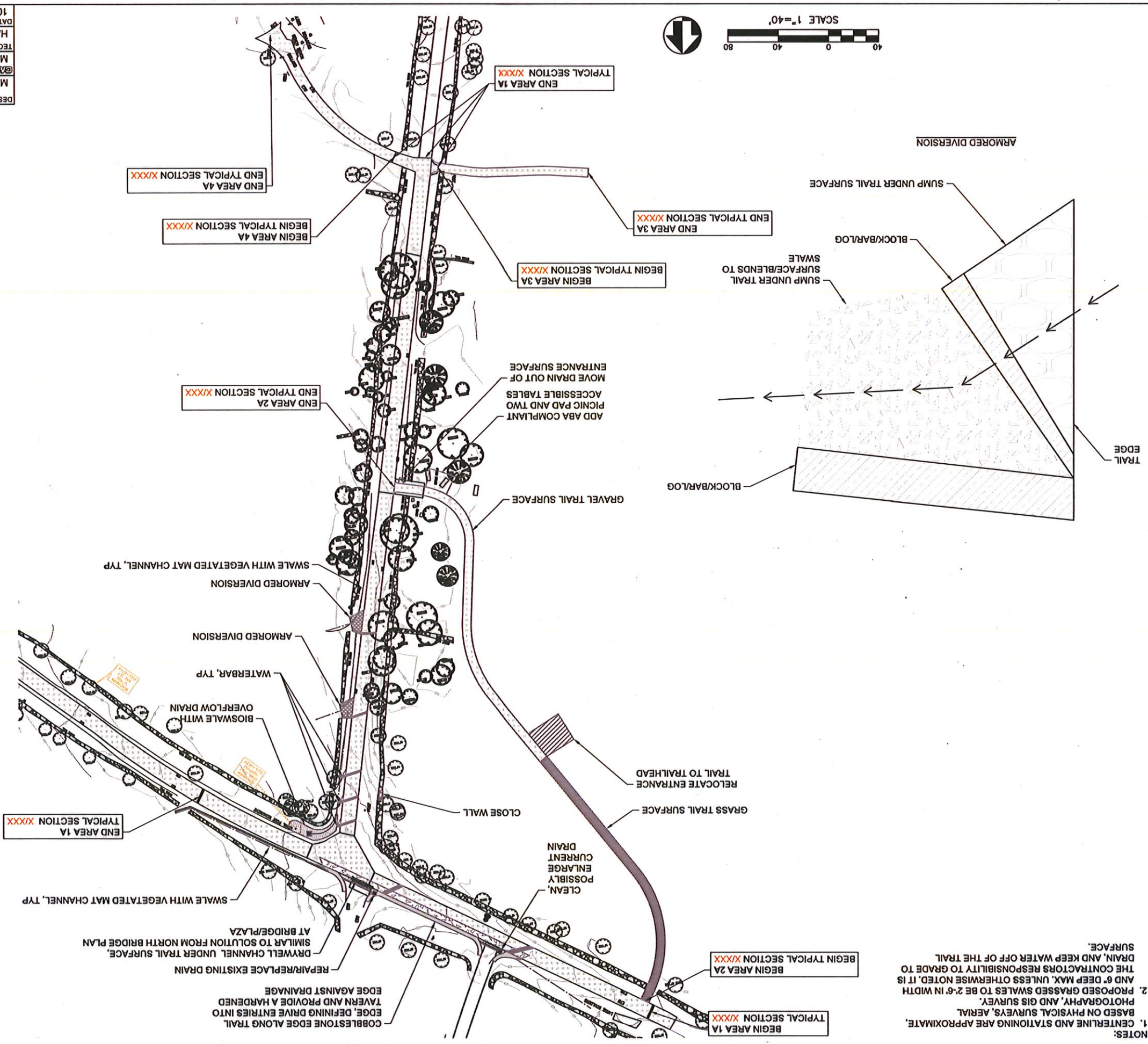
① SITE PLAN - AREA 18

11/1/2022 1:16 PM MSURBER R19 C:\USERS\MSURBER\ONE DRIVE - DOA\PARKS\WMA\GAOA\LANDSCAPE\3.0 CAD\CURRENT\TRAILSBOARDWALKPACKAGE\L16_A15-A16_HARTWELL_TRLS.DWG



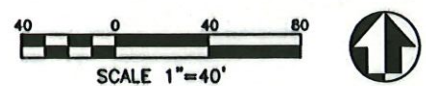
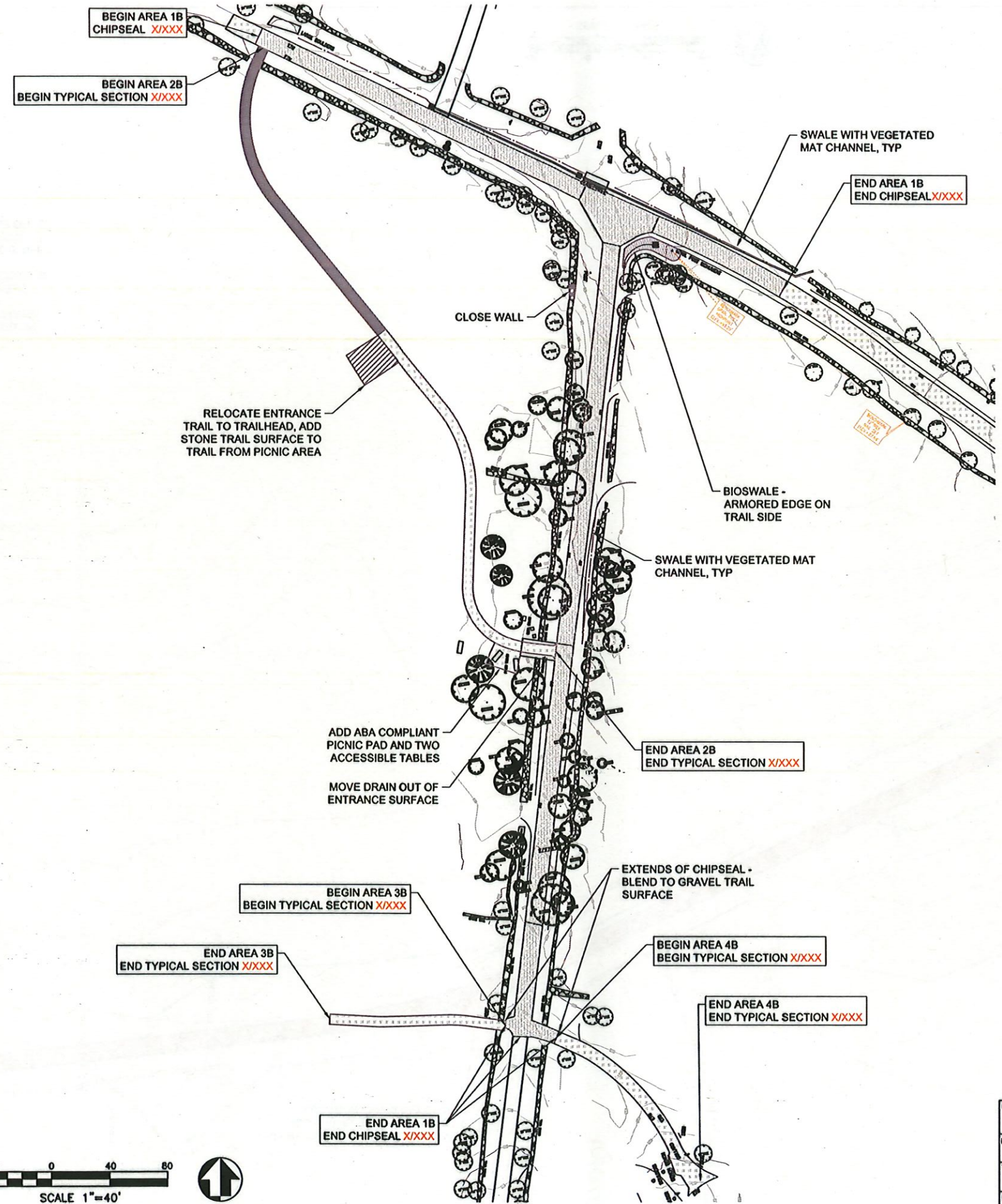
DESIGNED: MPS/JAS	SUB SHEET NO. L16	TITLE OF SHEET HARTWELL WEST - A18 TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	DRAWING NO. 406
TECH. REVIEW: HACE			184184
DATE: 10/31/2022			PMIS/PKG NO. 317529
			SHEET 17 OF 33

NOTES:
 1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.



DESIGNED:	MPS/JAS
DATE:	10/31/2022
HACE	
TECH. REVIEW:	MPS/JAS
@ADD	
MPS/JAS	
DESIGNED:	MPS/JAS
SUB SHEET NO.	L17A
TITLE OF SHEET	HARTWELL TAVERN OPTION A
DRAWING NO.	408
184184	
PMIS/PKG NO.	317529
SHEET	18 OF 33
TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	

NOTES:
 1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

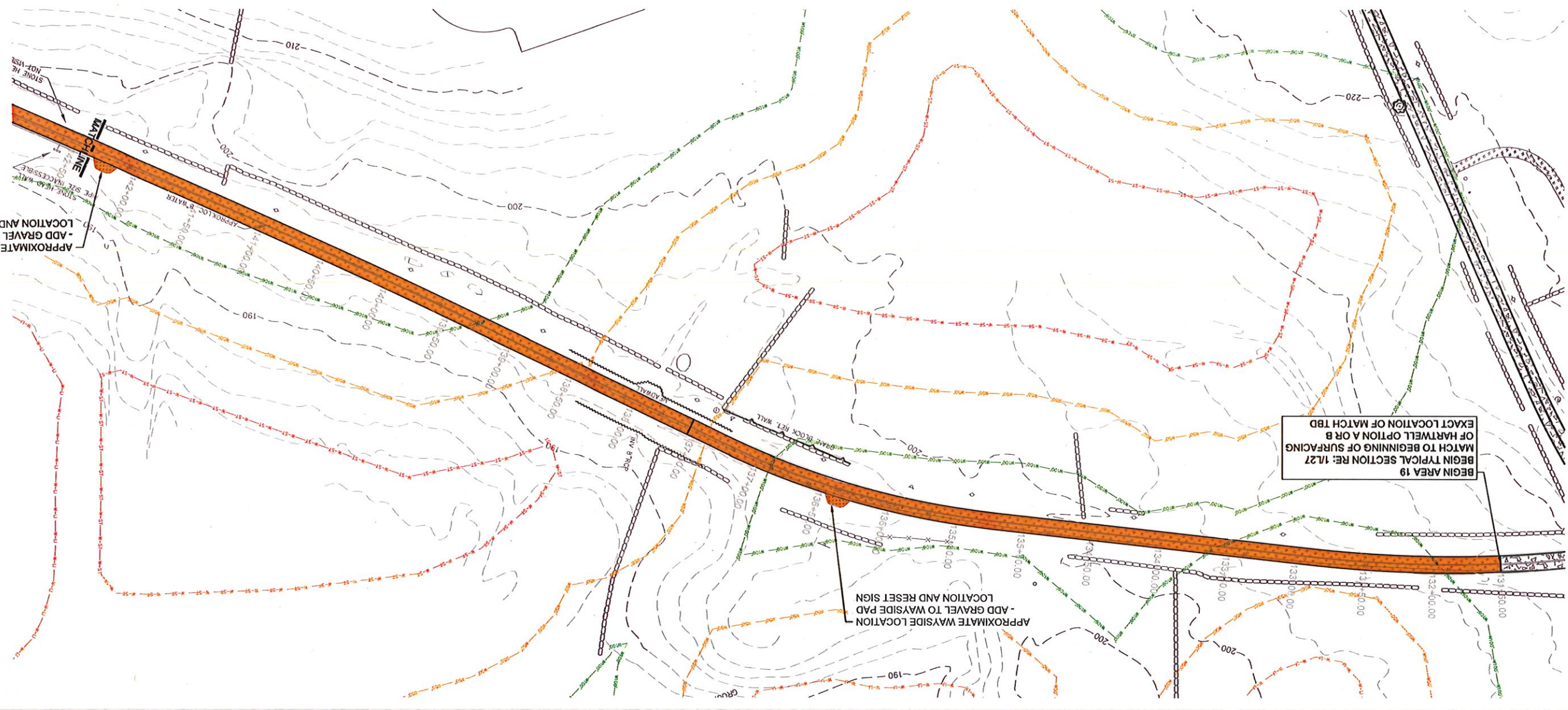


11/1/2022 1:17 PM MSURBER R19 C:\USERS\MSURBER\ONE DRIVE - DC\PARKS\WMA\GAOA\LANDSCAPE\3.0 CAD\CURRENT\TRAILSBOARDWALKSPACKAGE\L17A-B-AC-AD-HARTWELL_TRLS.DWG

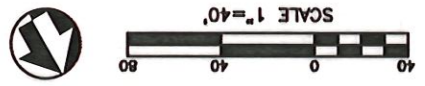
DESIGNED: MPS/JAS	SUB SHEET NO. L17B	TITLE OF SHEET HARTWELL TAVERN OPTION B TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	DRAWING NO. 406
ADD MPS/JAS			184184
TECH. REVIEW: HACE			PMIS/PKG NO. 317529
DATE: 10/31/2022			SHEET
			19 OF 33

- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. LINCOLN CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 3. PROPOSED GRASSSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

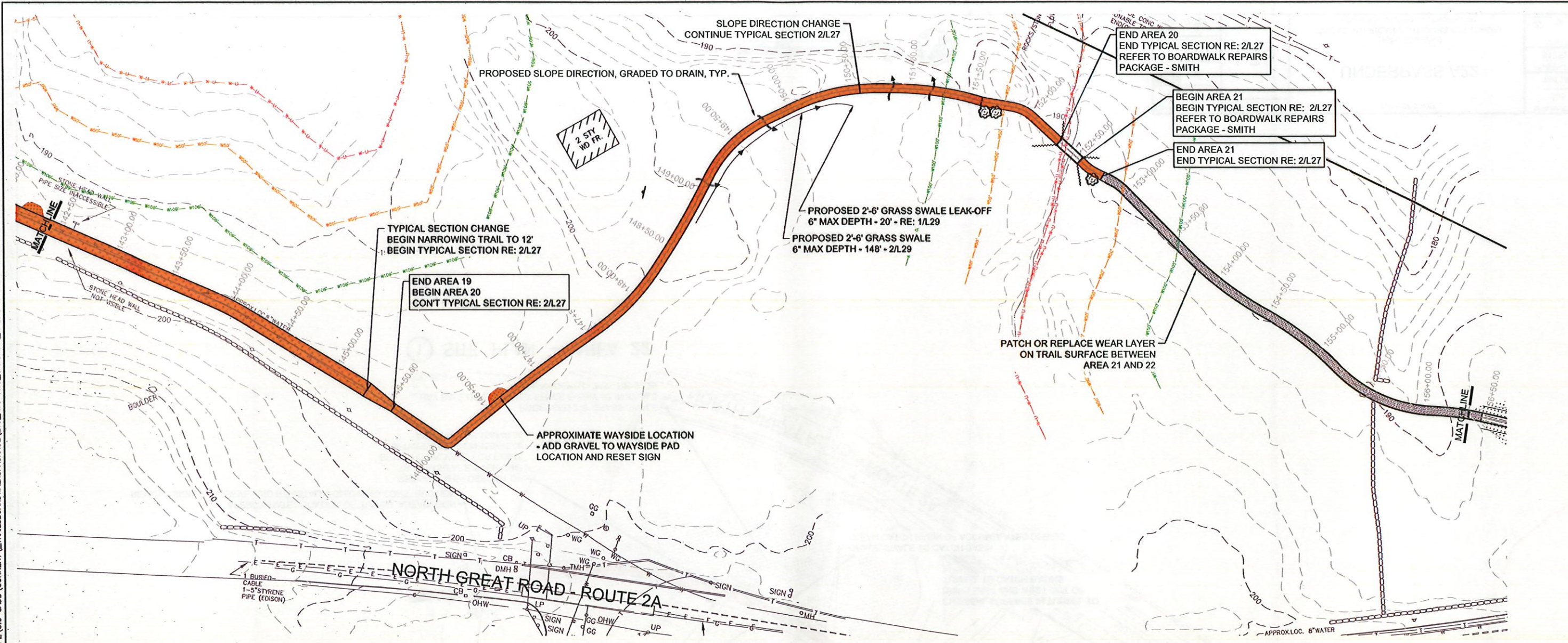
① SITE PLAN - AREA 19



DRAWING NO. 406		184184		PMS/PKG NO. 317529		SHEET 20 OF 33	
TITLE OF SHEET HARTWELL EAST A19 TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LENGTON, LINCOLN, & CONCORD, MA							
DESIGNED: MPS/JAS		DATE: 10/31/2022		HACE		SUB SHEET NO. L18	
MPS/JAS		TECH. REVIEW:		MPS/JAS			



11/1/2022 1:20 PM MSURBER R19 C:\USERS\MSURBER\ONE\DRIVE - DOI\PARKS\MIMA\GAOA\LANDSCAPE\3.0 CADD\CURRENT_TRAILS\BOARDWALKSPACKAGE\L19_A19-A21_CAPSMITH_TRLS.DWG



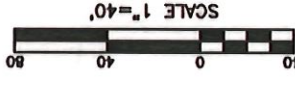
1 SITE PLAN - AREAS 19, 20, AND 21

- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. LINCOLN CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY, WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 3. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

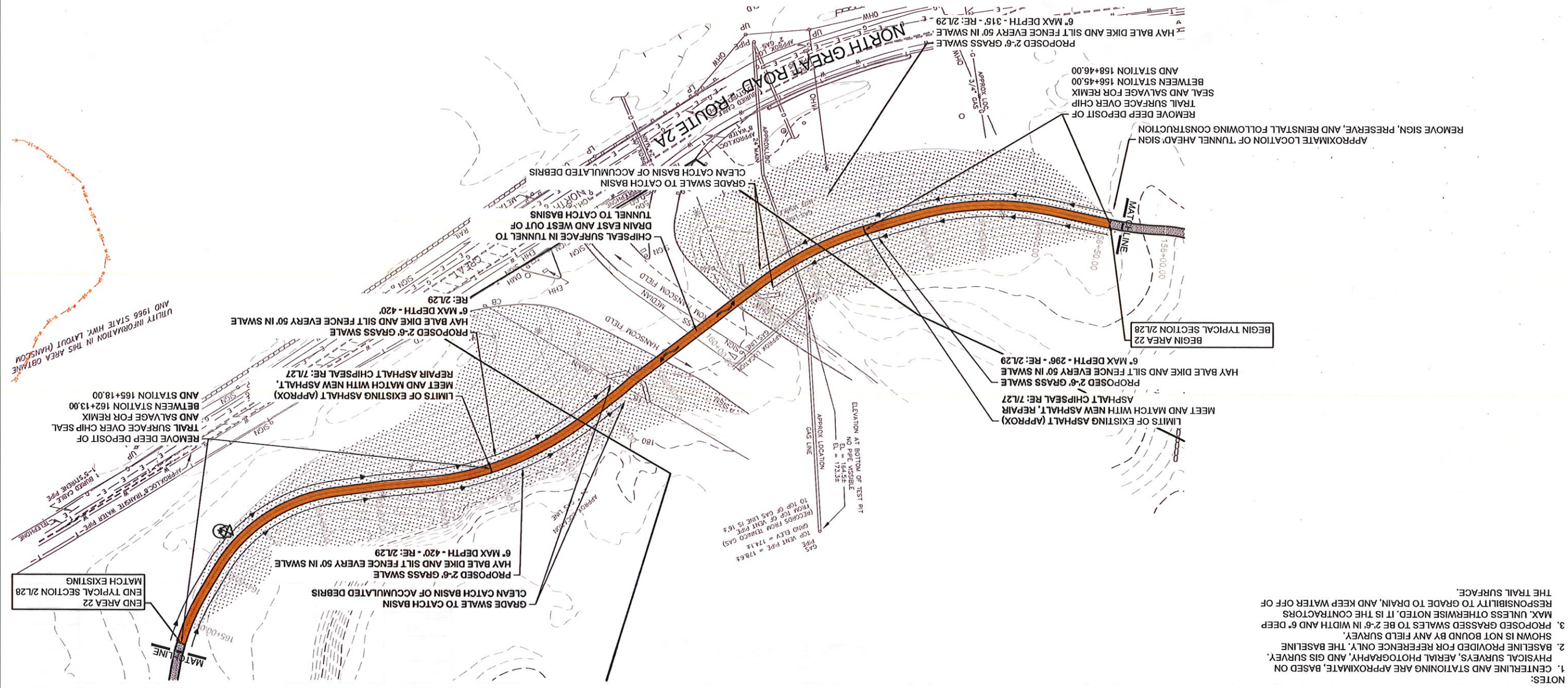


DESIGNED: MPS/JAS CADD MPS/JAS TECH. REVIEW: HACE DATE: 10/31/2022	SUB SHEET NO. L19	TITLE OF SHEET CAPTAIN SMITH A19-A21 TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	DRAWING NO. 406 184184 PMIS/PKG NO. 317529 SHEET 21 OF 33
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DESIGNED:	MPS/JAS
DATE:	10/31/2022
HACE	
TECH. REVIEW:	MPS/JAS
MPS/JAS	
MP/JAS	
TITLE OF SHEET	UNDERPASS A22
DRAWING NO.	406
PMIS/PKG NO.	317529
SHEET	22 OF 33



① SITE PLAN - AREA 22



- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. BASELINE PROVIDED FOR REFERENCE ONLY, THE BASELINE SHOWN IS NOT BOUND BY ANY FIELD SURVEY.
 3. PROPOSED GRASSSED SWALES TO BE 2.6' IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

UTILITY INFORMATION IN THIS AREA OBTAINED FROM 1966 STATE HWY. LAYOUT (HANSCOM AND STATION 162+13.00 AND STATION 165+18.00)

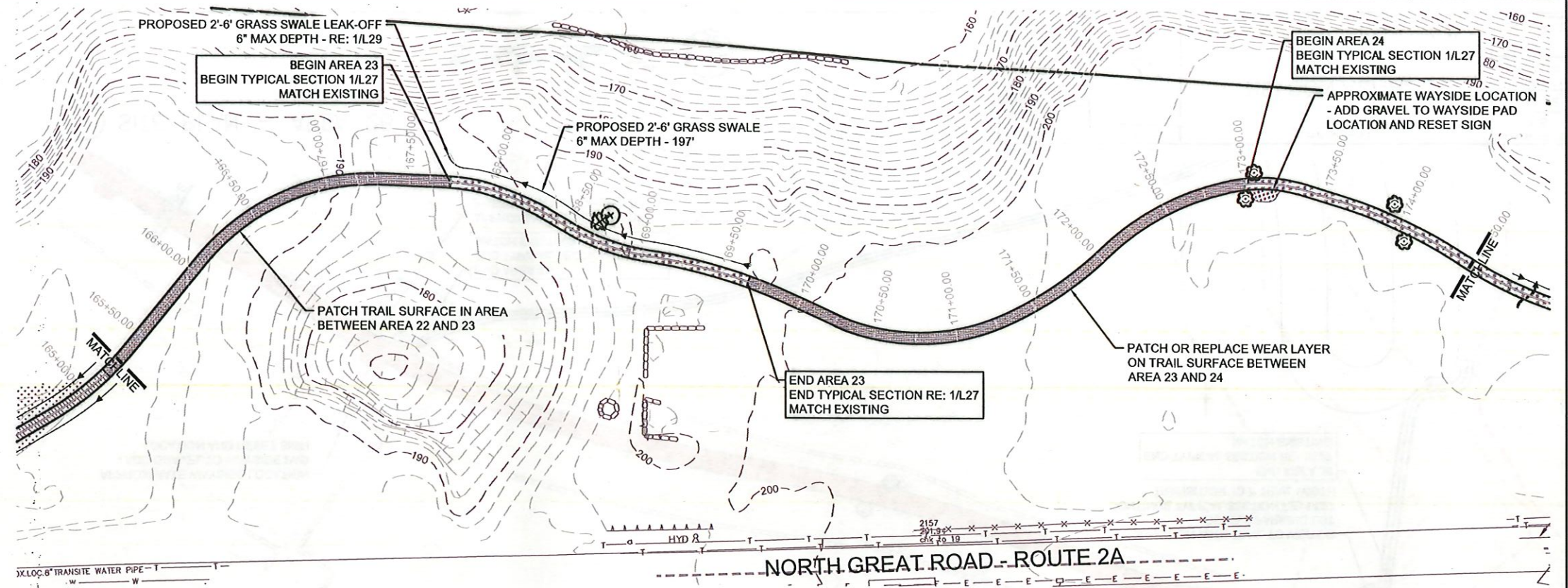
APPROXIMATE LOCATION OF TUNNEL AHEAD'S SIGN REMOVE SIGN, PRESERVE, AND REINSTALL FOLLOWING CONSTRUCTION
 REMOVE DEEP DEPOSIT OF TRAIL SURFACE OVER CHIP SEAL AND SALVAGE FOR REMIX BETWEEN STATION 156+45.00 AND STATION 158+46.00

BEGIN AREA 22
 BEGIN TYPICAL SECTION 2L28

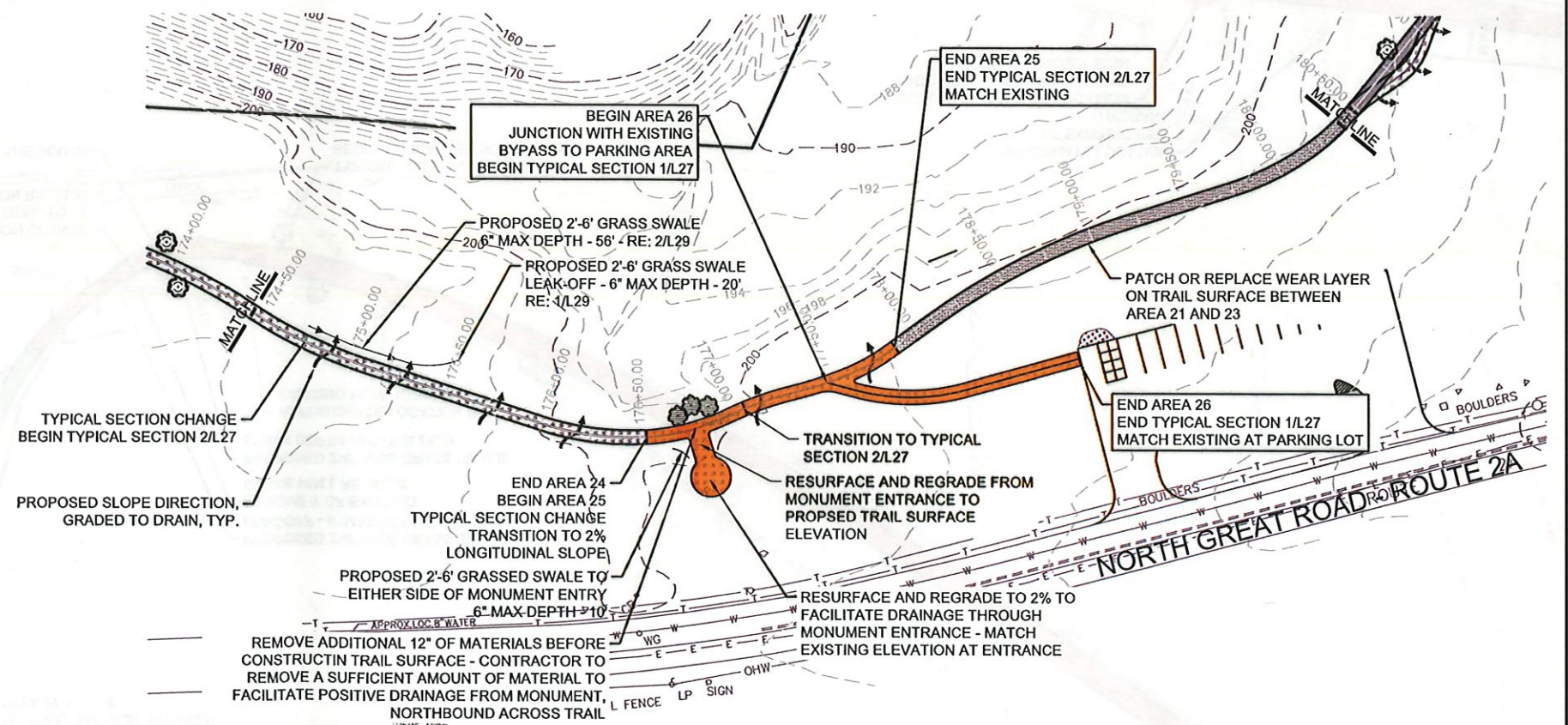
END AREA 22
 END TYPICAL SECTION 2L28
 MATCH EXISTING

ELEVATION AT BOTTOM OF TEST PIT
 NO PIPE VISIBLE
 EL = 184.52
 EL = 173.32
 APPROX. LOCATION
 GAS LINE
 TO TOP OF GAS LINE IS 16.2'
 (RECORDS FROM TARRANT GAS) FROM TOP OF TEST PIT

- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.



① SITE PLAN - AREA 23 AND 24



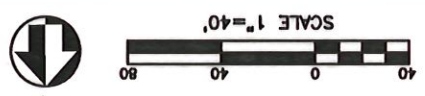
② SITE PLAN - AREAS
24, 25, AND 26



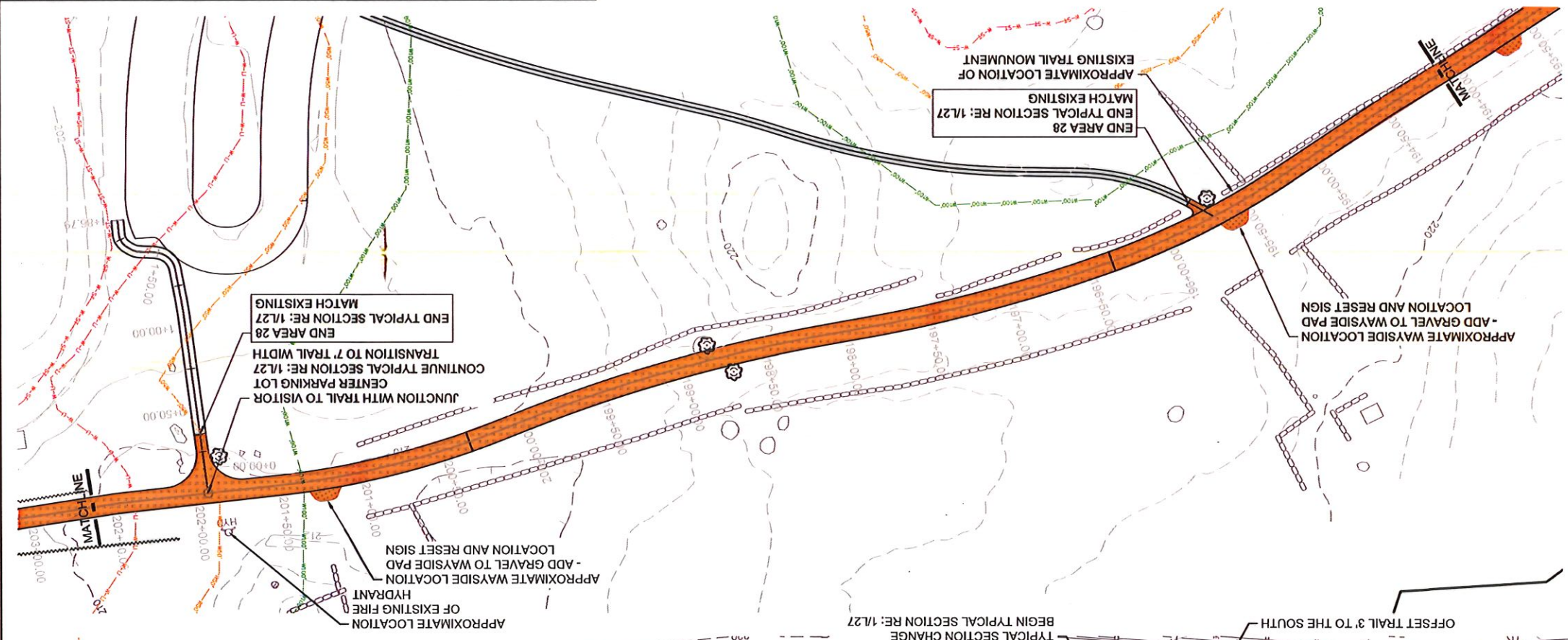
DESIGNED: MPS/JAS	SUB SHEET NO. L21	TITLE OF SHEET REVERE A23-A26	DRAWING NO. 406
TECH. REVIEW: HACE			184184
DATE: 10/31/2022		TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	PMIS/PKG NO. 317529
			SHEET 23 OF 33

184184	406	184184	406
PMIS/PKG NO.	DRAWING NO.	PMIS/PKG NO.	DRAWING NO.
317529		317529	
SHEET		SHEET	
24 OF 33		24 OF 33	

L22	
DESIGNED:	MPS/JAS
TECH. REVIEW:	MPS/JAS
DATE:	10/31/2022
TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	

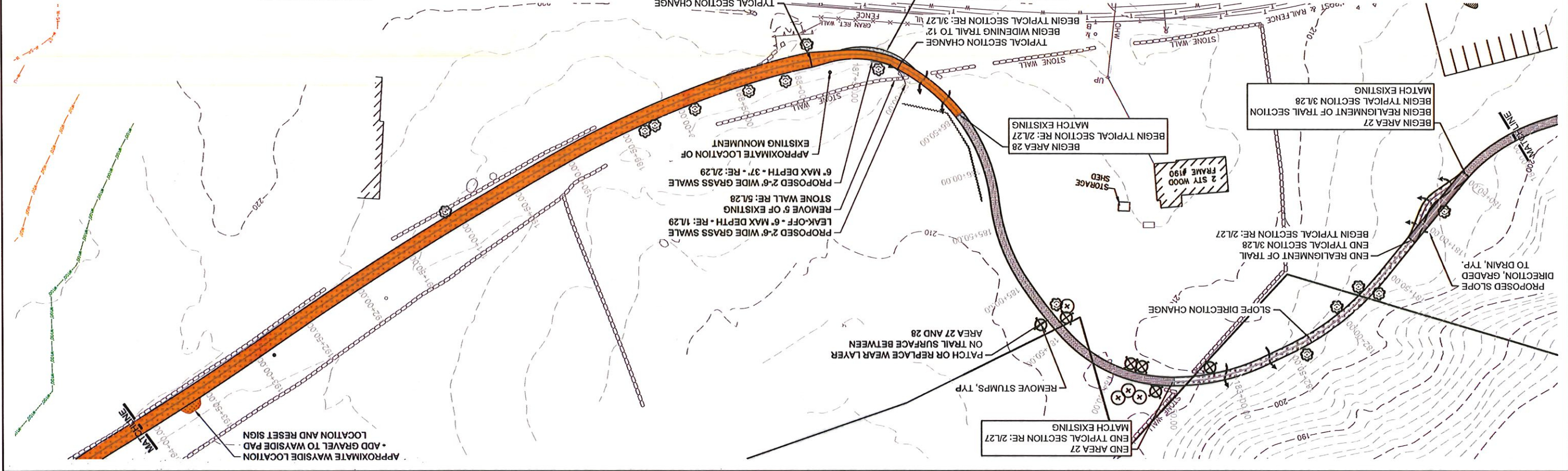


② SITE PLAN - AREA 28

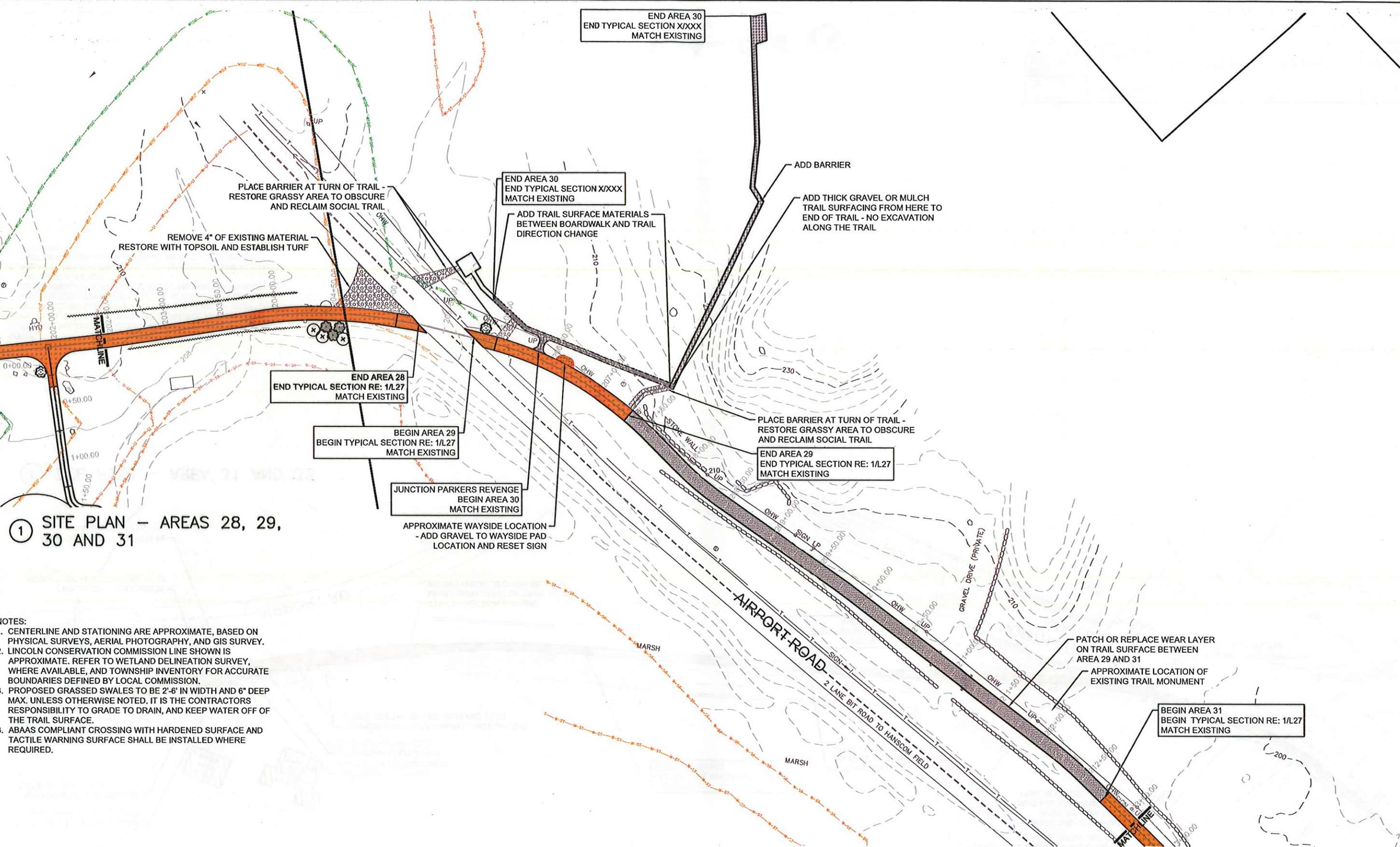


- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. LINCOLN CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY, WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 3. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.

① SITE PLAN - AREA 27 AND 28

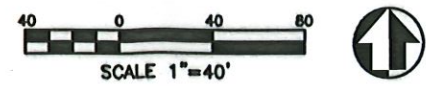


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① SITE PLAN - AREAS 28, 29, 30 AND 31

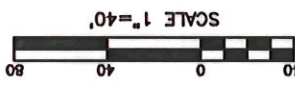
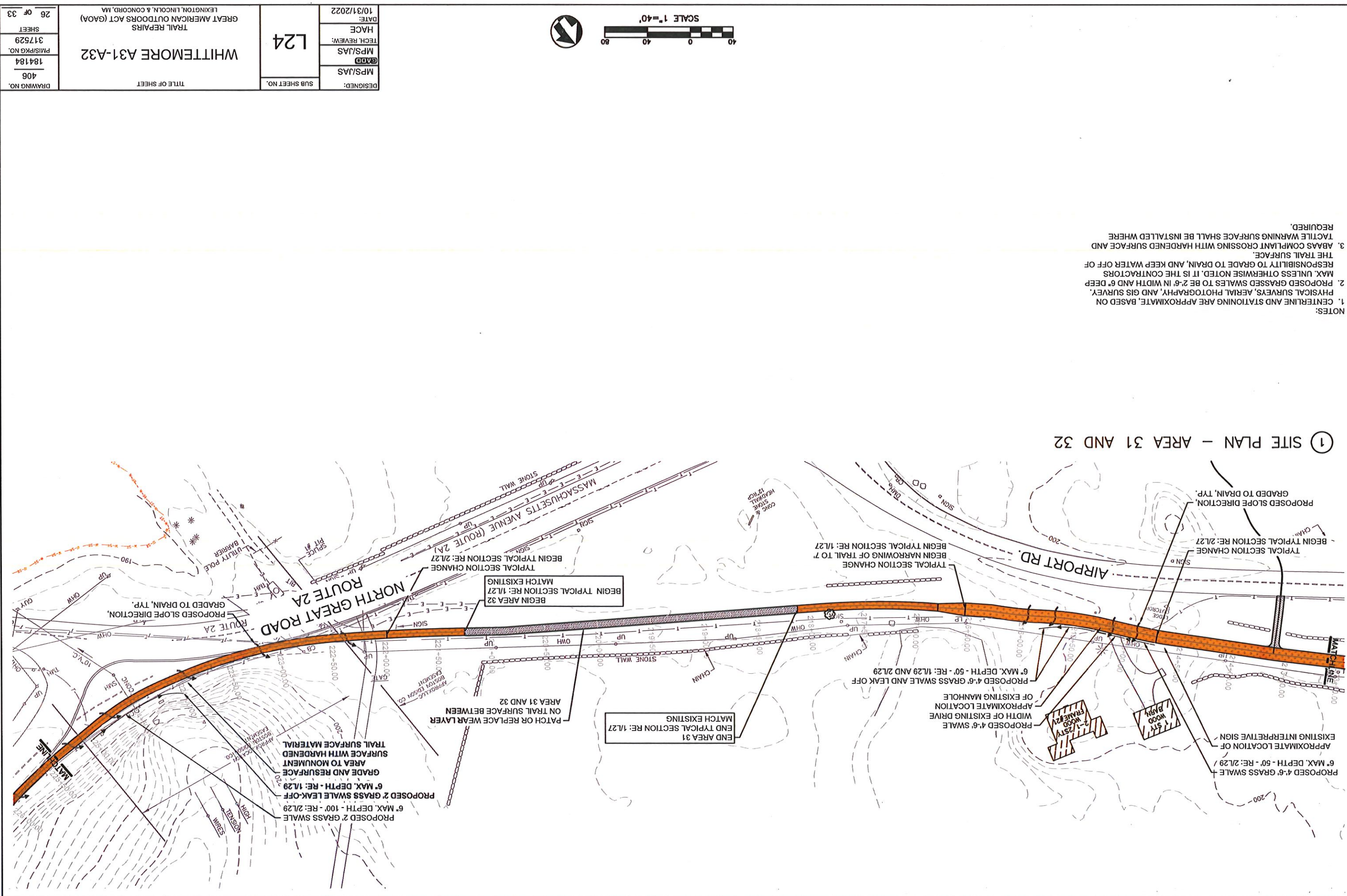
- NOTES:
- CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 - LINCOLN CONSERVATION COMMISSION LINE SHOWN IS APPROXIMATE. REFER TO WETLAND DELINEATION SURVEY, WHERE AVAILABLE, AND TOWNSHIP INVENTORY FOR ACCURATE BOUNDARIES DEFINED BY LOCAL COMMISSION.
 - PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.
 - ABAAS COMPLIANT CROSSING WITH HARDENED SURFACE AND TACTILE WARNING SURFACE SHALL BE INSTALLED WHERE REQUIRED.



DESIGNED: MPS/JAS	SUB SHEET NO. L23	TITLE OF SHEET PARKER A28-A31	DRAWING NO. 406
TECH. REVIEW: HACE			184184
DATE: 10/31/2022			PHIS/PRG NO. 317529
			SHEET 25 OF 33

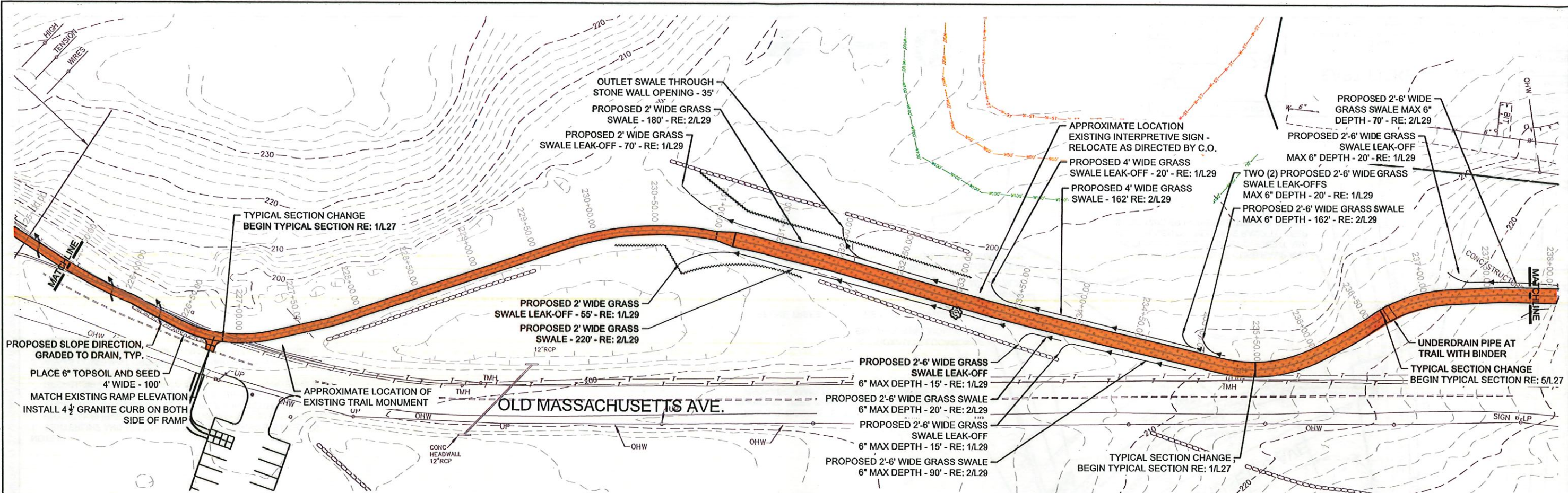
- NOTES:
- CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 - PROPOSED GRASSES SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.
 - ABAAS COMPLIANT CROSSING WITH HARDENED SURFACE AND TACTILE WARNING SURFACE SHALL BE INSTALLED WHERE REQUIRED.

① SITE PLAN - AREA 31 AND 32



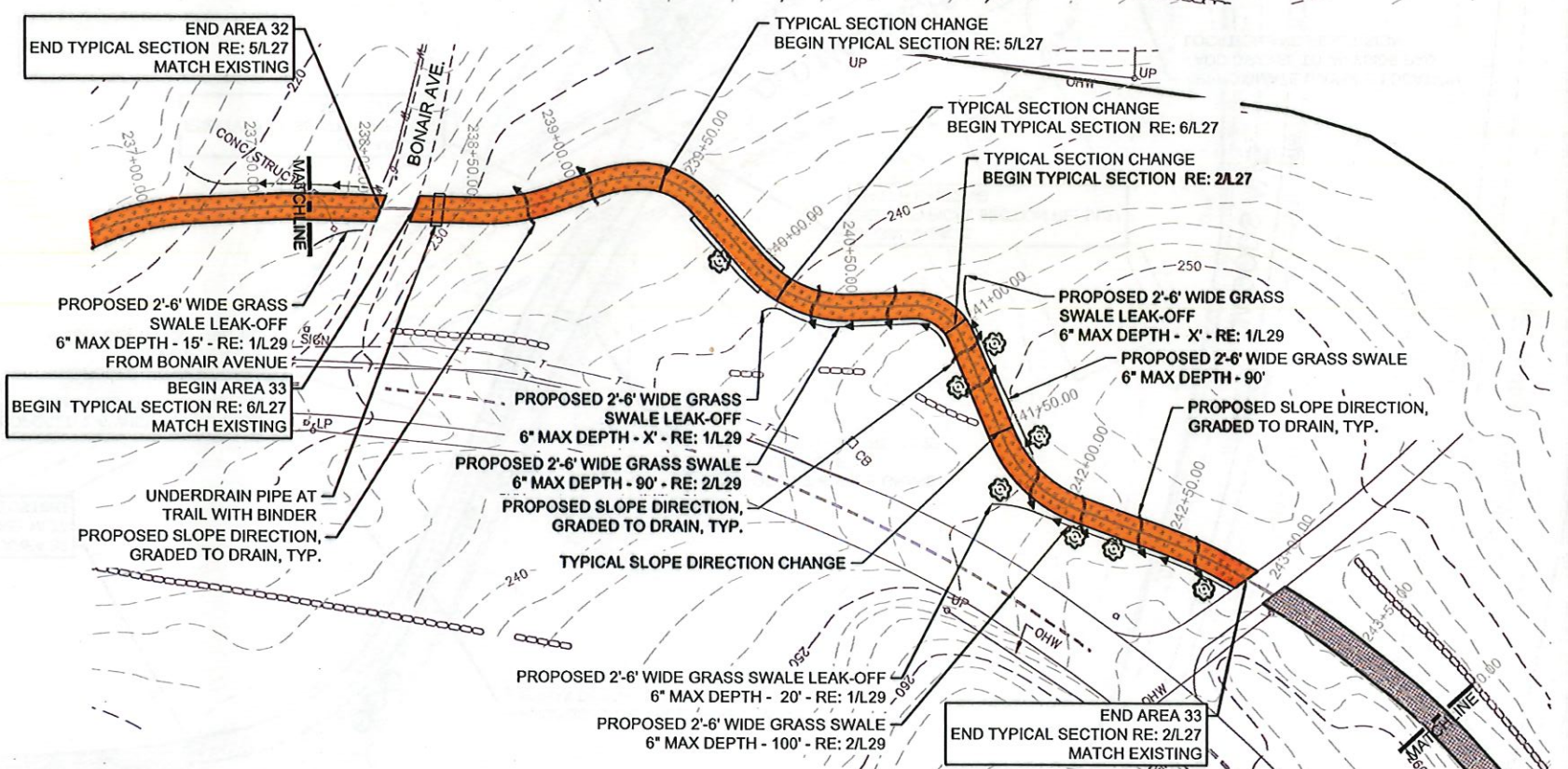
DESIGNED:	MPS/JAS	DATE:	10/31/2022
DESIGNED:	MPS/JAS	DATE:	10/31/2022
TECH. REVIEW:	MPS/JAS	DATE:	10/31/2022
HAEC:		DATE:	10/31/2022
TITLE OF SHEET	WHITTMORE A31-A32		
DRAWING NO.	406	SUB SHEET NO.	L24
PMIS/PKG NO.	184184		
SHEET	26 OF 33		

11/1/2022 1:42 PM MSURBER R19 C:\USERS\MSURBER\ONEDRIVE - DC\PARIS\NIMA\GAOA\LANDSCAPE\3.0\ADD\CURRENT\TRAILSBOARDWALKPACKAGE\25_A29-A30-WESTFISKE-TRLS.DWG



1 SITE PLAN - AREA 32

- NOTES:**
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY.
 2. PROPOSED GRASSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP MAX. UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.
 3. ABAAS COMPLIANT CROSSING WITH HARDENED SURFACE AND TACTILE WARNING SURFACE SHALL BE INSTALLED WHERE REQUIRED.



2 SITE PLAN - AREAS 32 AND 33

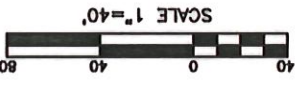
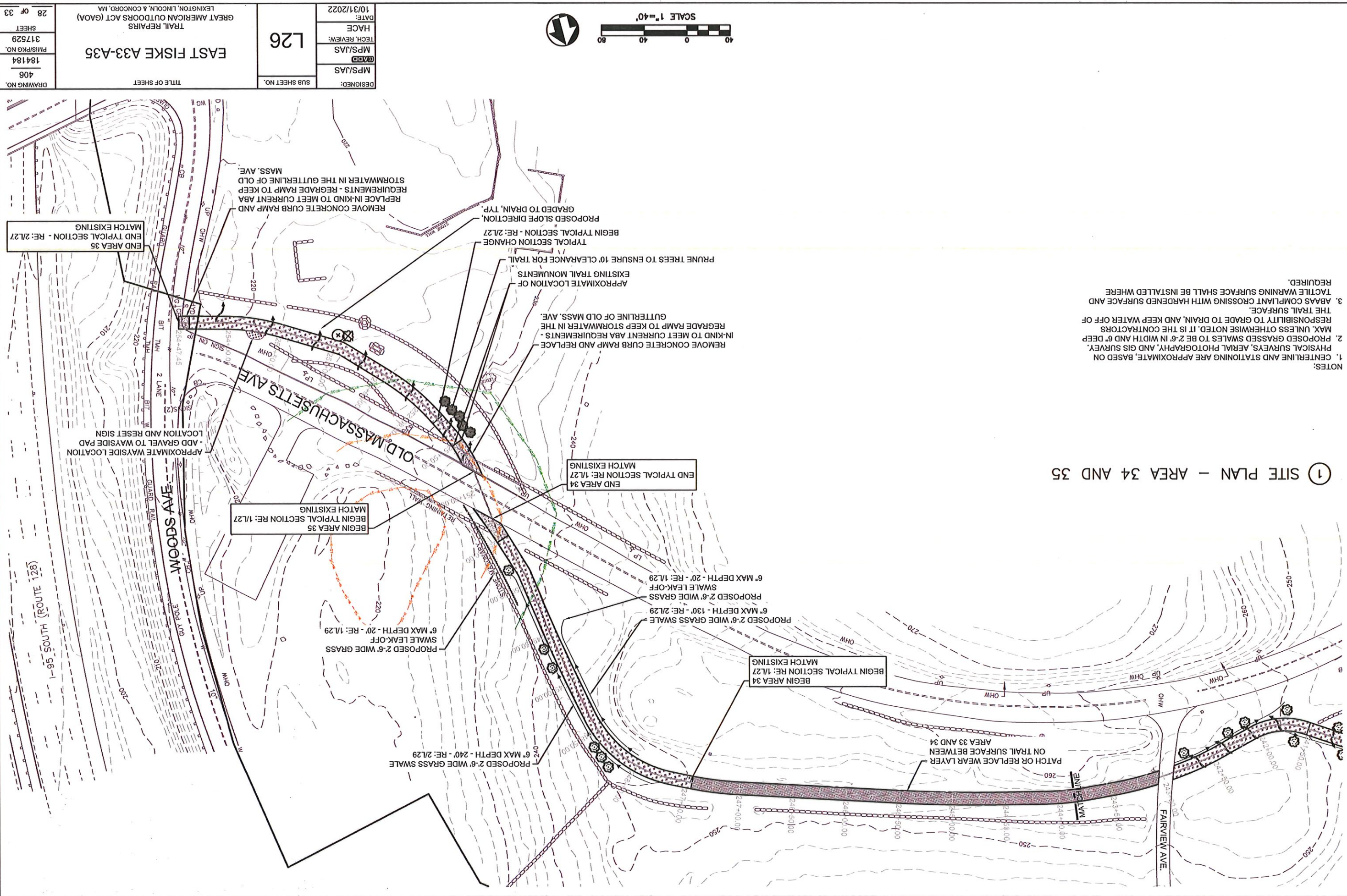


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TECH. REVIEW: HACE			184184
DATE: 10/31/2022			PMIS/PKG NO. 317529
			SHEET 27 OF 33

TRAIL REPAIRS
GREAT AMERICAN OUTDOORS ACT (GAOA)
LEXINGTON, LINCOLN, & CONCORD, MA

1 SITE PLAN - AREA 34 AND 35

- NOTES:
1. CENTERLINE AND STATIONING ARE APPROXIMATE, BASED ON PHYSICAL SURVEYS, AERIAL PHOTOGRAPHY, AND GIS SURVEY. MAX. UNLESS OTHERWISE NOTED, IT IS THE CONTRACTORS RESPONSIBILITY TO GRADE TO DRAIN, AND KEEP WATER OFF OF THE TRAIL SURFACE.
 2. PROPOSED GRASSSED SWALES TO BE 2'-6" IN WIDTH AND 6" DEEP.
 3. ABAAS COMPLIANT CROSSING WITH HARDENED SURFACE AND TACTILE WARNING SURFACE SHALL BE INSTALLED WHERE REQUIRED.



DESIGNED:	MPS/JAS
DATE:	10/31/2022
HACE	
TECH. REVIEW:	MPS/JAS
MPS/JAS	
DATE:	10/31/2022

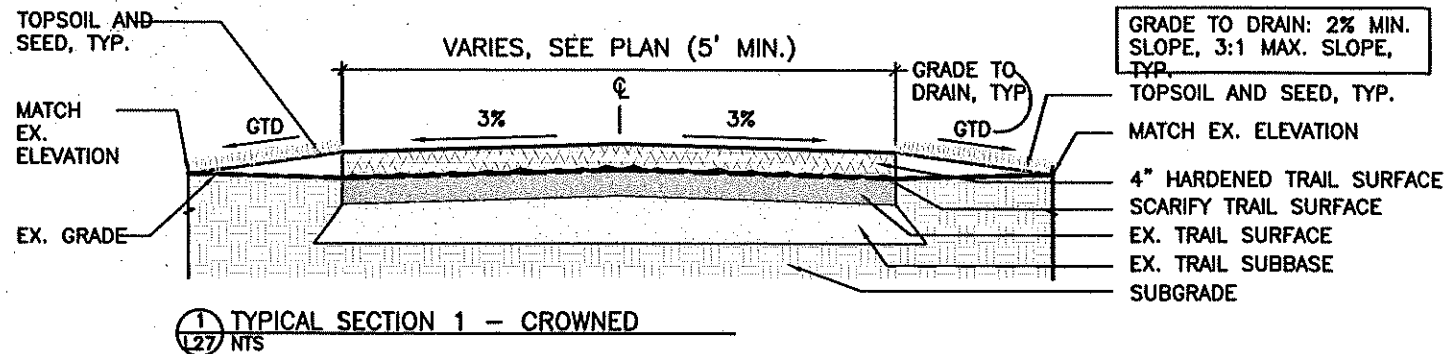
L26
SUB SHEET NO.

EAST FISKE A33-A35
TITLE OF SHEET

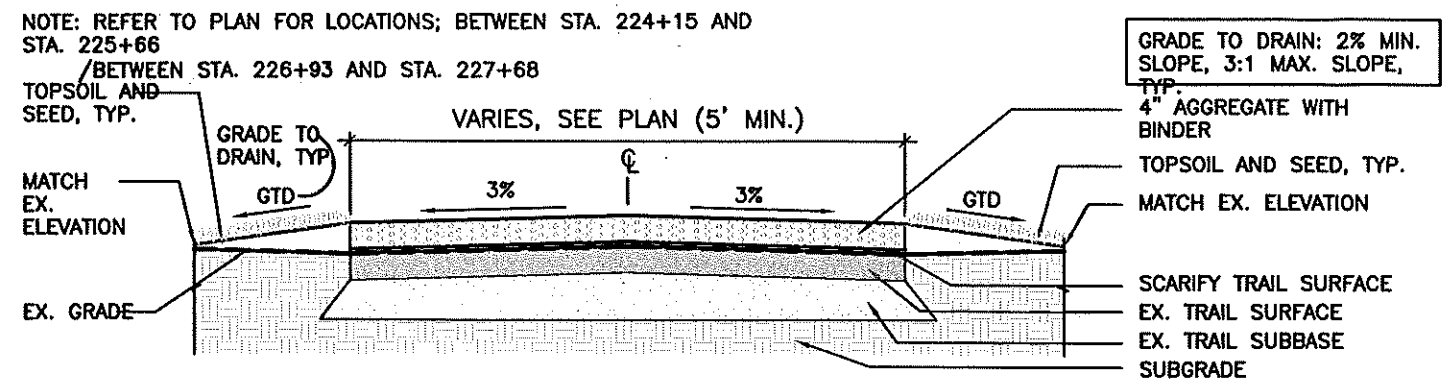
DRAWING NO.	406
PLANS/PKG NO.	184184
SHEET	317529
28 OF 33	

TRAIL REPAIRS
GREAT AMERICAN OUTDOORS ACT (GAOA)
LEXINGTON, LINCOLN, & CONCORD, MA

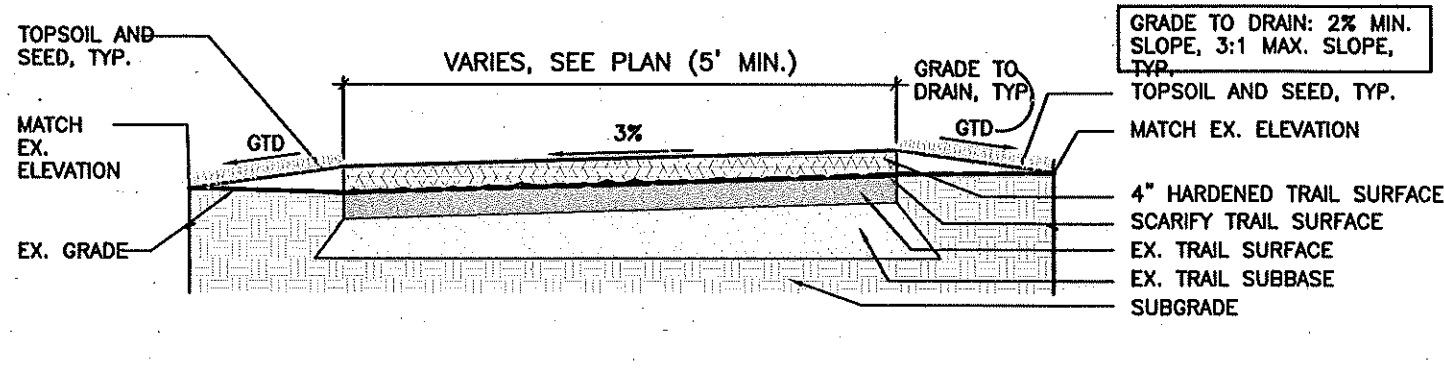
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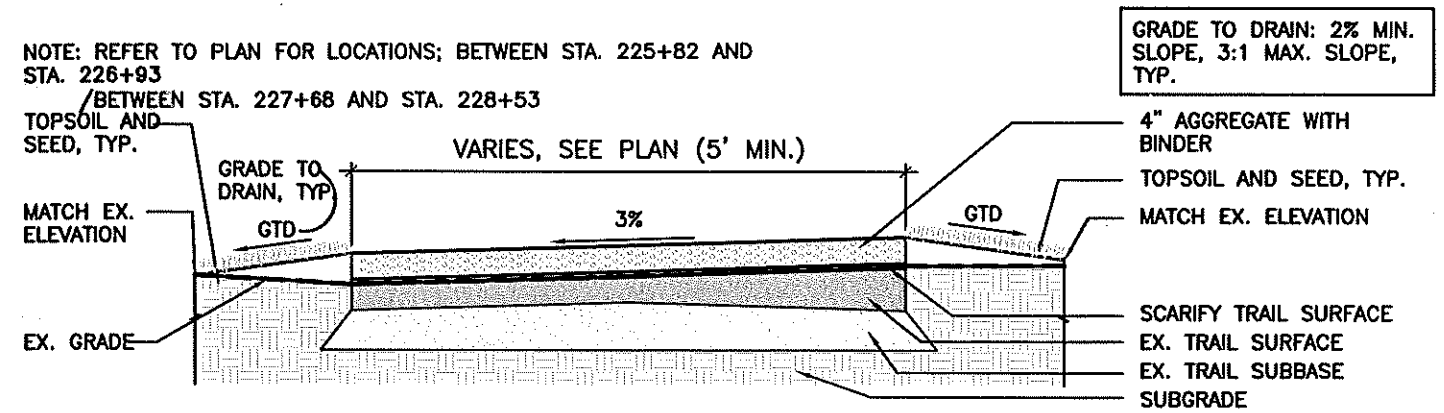
1 TYPICAL SECTION 1 - CROWNED
L27 NTS



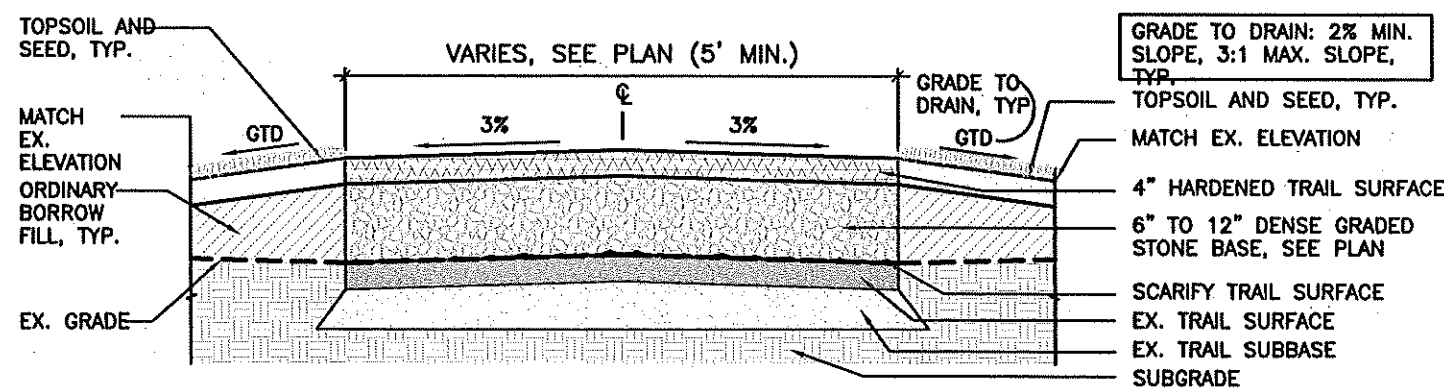
5 TYPICAL SECTION 5 - CROWNED WITH BINDER
L27 NTS



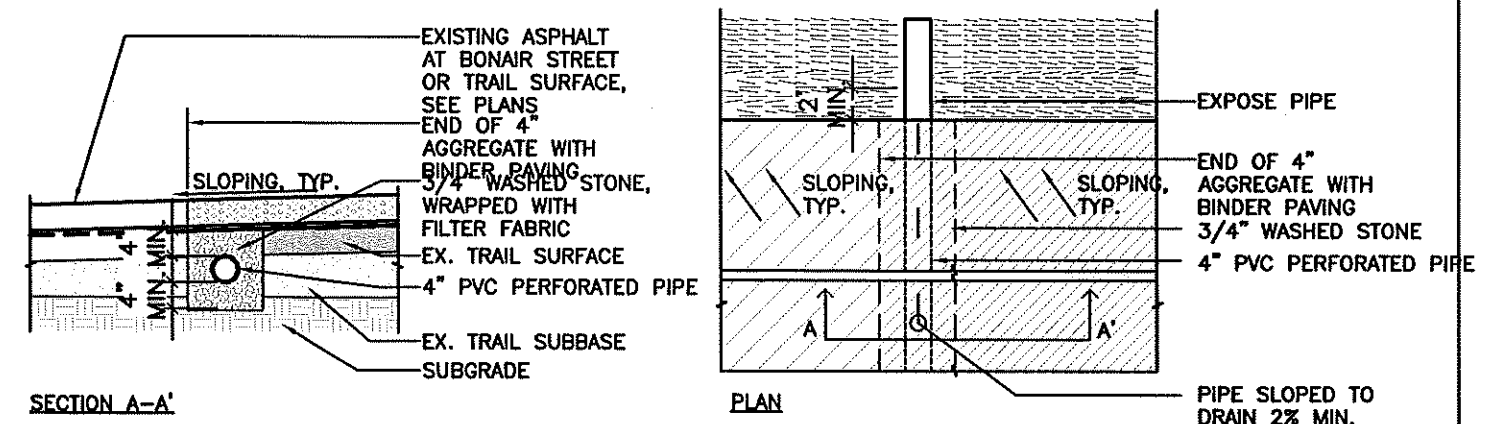
2 TYPICAL SECTION 2 - CROSS SLOPED
L27 NTS



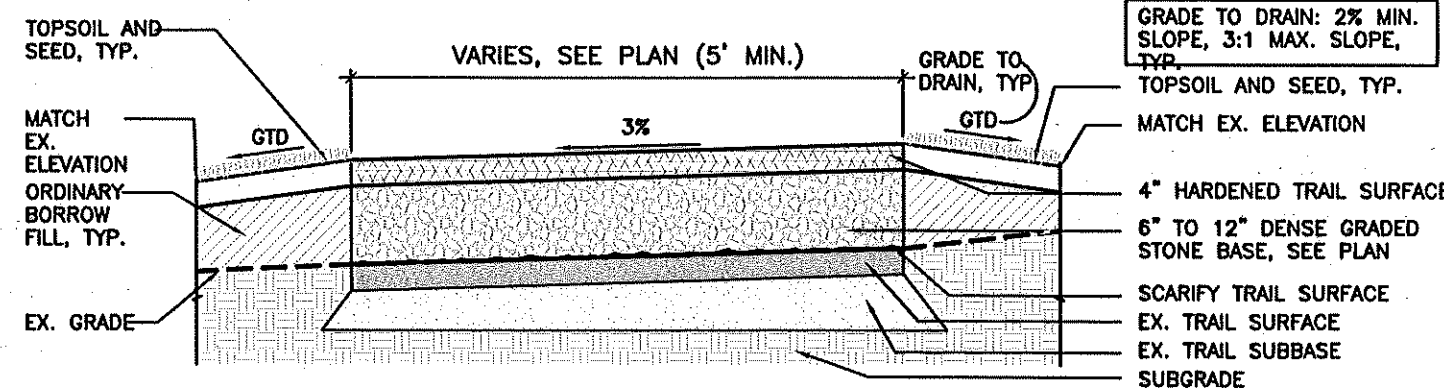
6 TYPICAL SECTION 6 - CROSS SLOPED WITH BINDER
L27 NTS



3 TYPICAL SECTION 3 - CROWNED WITH BINDER
L27 NTS



7 UNDERPASS PIPE AT TRAIL WITH BINDER
L27 NTS

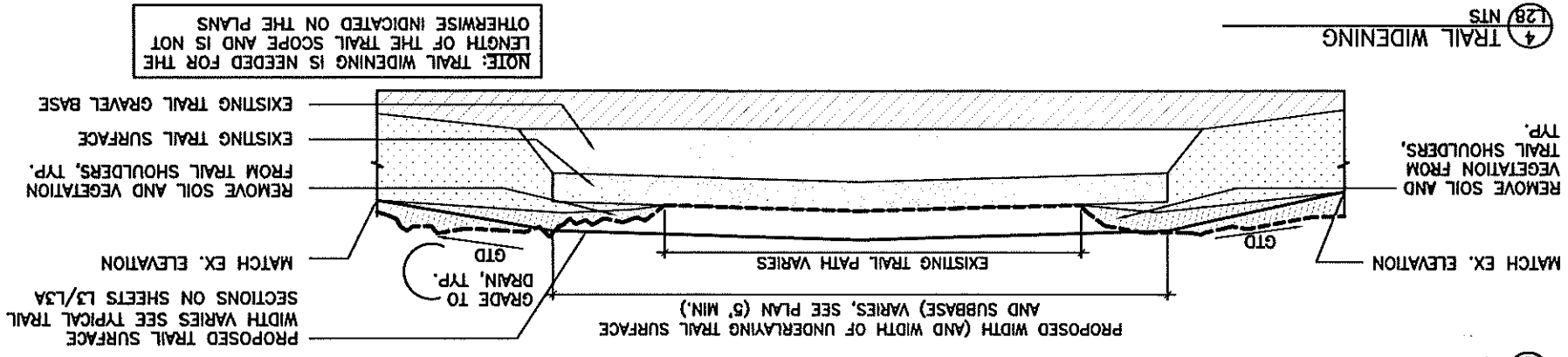


4 TYPICAL SECTION 4 - CROSS SLOPED WITH BINDER
L27 NTS

NOTE: MANY SECTIONS OF THE BATTLE ROAD TRAIL ARE 7' WIDE. SECTIONS OF TRAIL THAT COINCIDE WITH THE HISTORIC TRACE OF THE BATTLE ROAD ARE 12' WIDE.

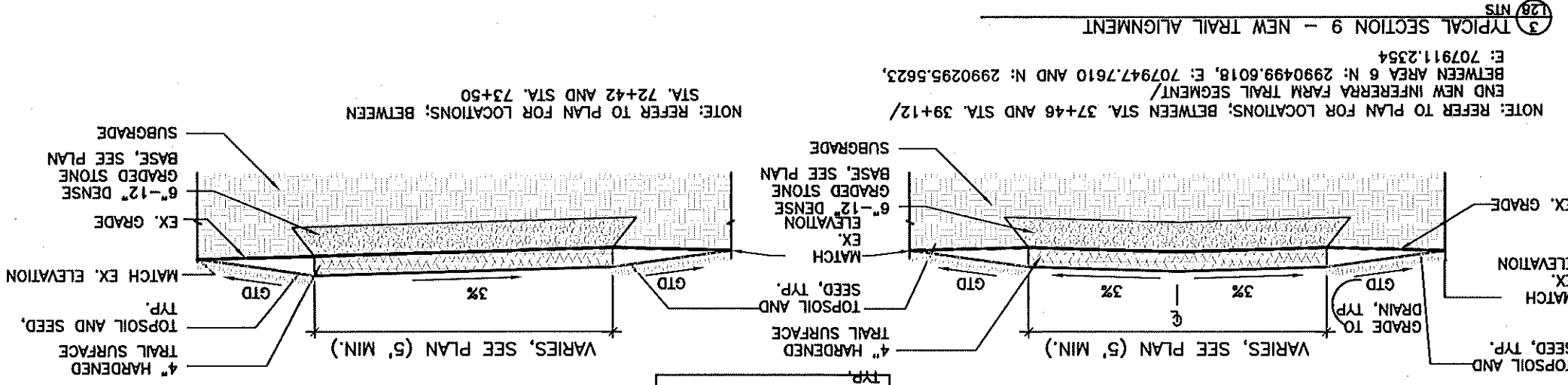
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TECH. REVIEW: HACE			184184
DATE: 10/31/2022		TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	PMIS/PKG NO. 317529
			SHEET 29 OF 33

4 TRAIL WIDENING



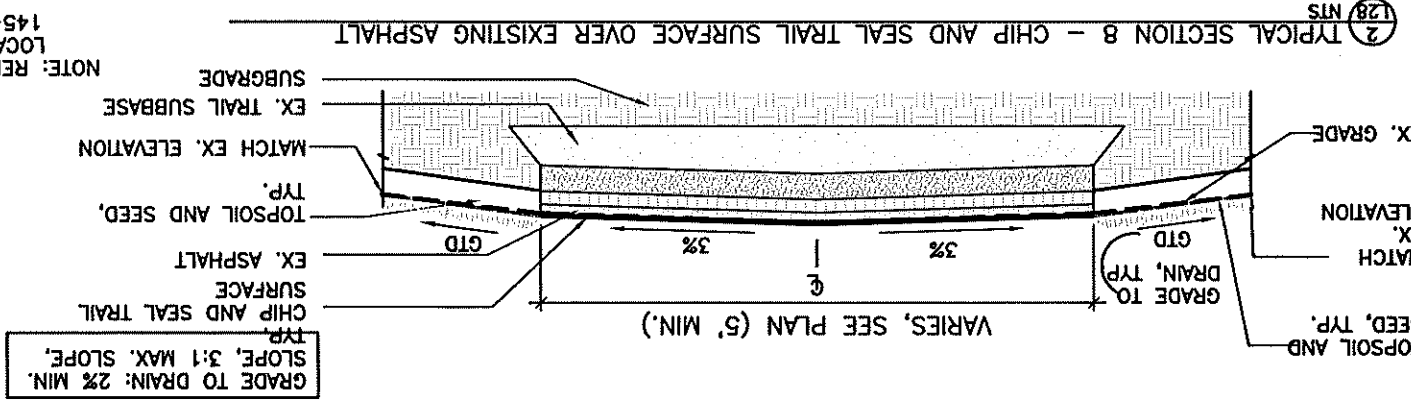
NOTE: TRAIL WIDENING IS NEEDED FOR THE LENGTH OF THE TRAIL SCOPE AND IS NOT OTHERWISE INDICATED ON THE PLANS

3 TYPICAL SECTION 9 - NEW TRAIL ALIGNMENT



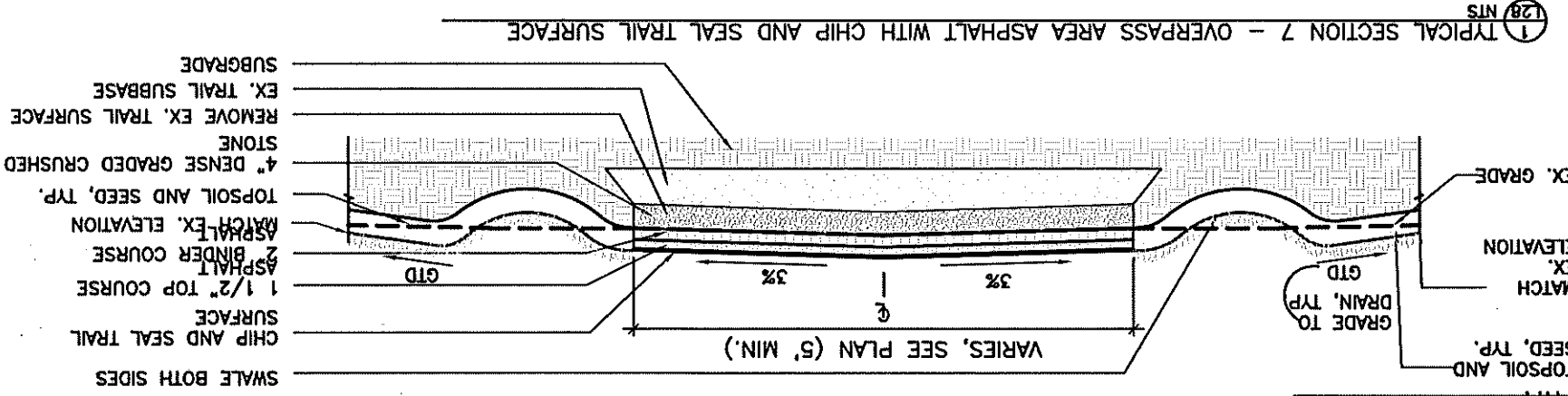
NOTE: REFER TO PLAN FOR LOCATIONS; BETWEEN STA. 37+46 AND STA. 39+12/ END NEW INFERRERA FARM TRAIL SEGMENT/ BETWEEN AREA 6 N: 2990499.6018, E: 707947.7610 AND N: 2990295.5623, E: 707911.2354

2 TYPICAL SECTION 8 - CHIP AND SEAL TRAIL SURFACE OVER EXISTING ASPHALT



NOTE: REFER TO PLAN FOR LOCATIONS; BETWEEN STA. 145+80 AND STA. 152+70

1 TYPICAL SECTION 7 - OVERPASS AREA ASPHALT WITH CHIP AND SEAL TRAIL SURFACE

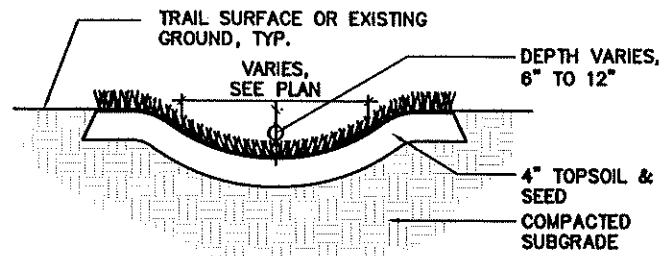


NOTE: REFER TO PLAN FOR LOCATIONS; BETWEEN STA. 143+95 AND STA. 145+90 / BETWEEN STA. 149+60 AND STA. 152+70

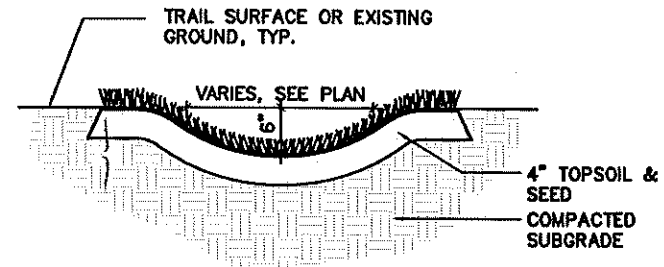
NOTE: MANY SECTIONS OF THE BATTLE ROAD TRAIL ARE 7' WIDE. SECTIONS OF TRAIL THAT COINCIDE WITH THE HISTORIC TRACE OF THE BATTLE ROAD ARE 12' WIDE.

Table with drawing metadata including title (DETAILS), drawing no. (184184), and sheet no. (30 of 33).

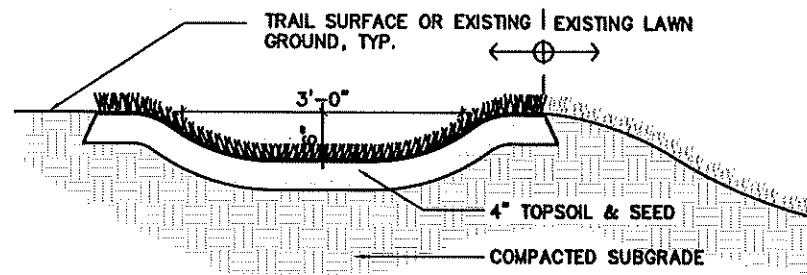
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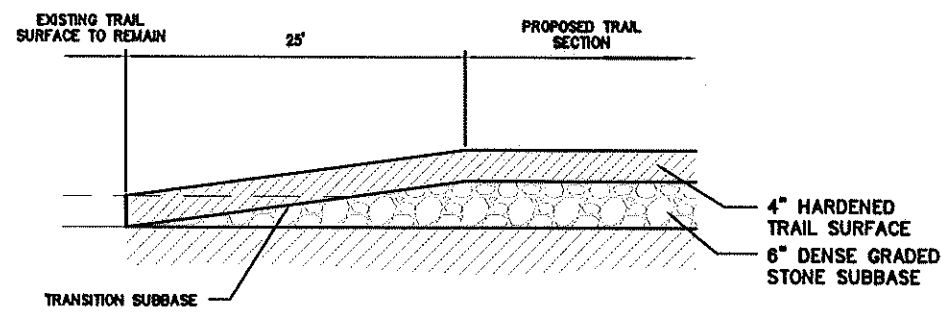
1 GRASSED SWALE LEAKOFF
L29 NTS



2 GRASSED SWALE
L29 NTS



3 GRASSED SWALE AT NORTH BRIDGE
L29 NTS



4 TRANSITION TO EXISTING TRAIL SURFACE
L29 NTS

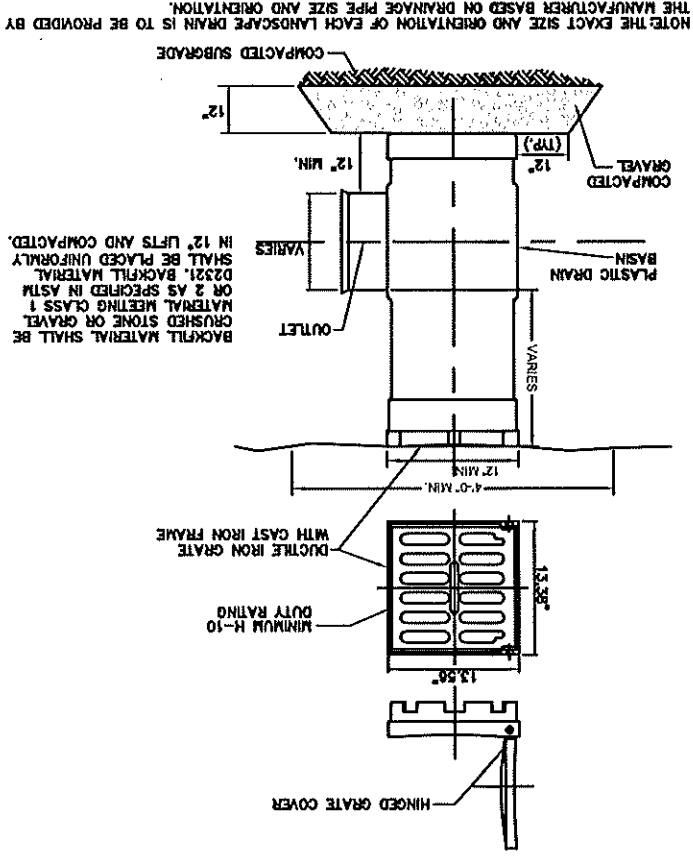


5 SEED
L29 NTS

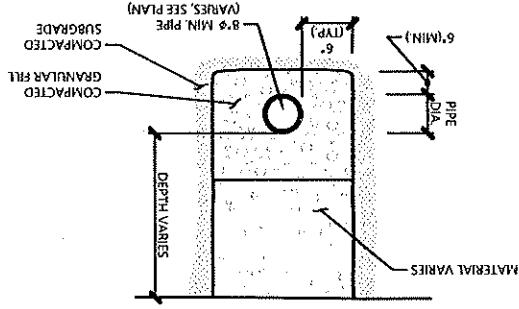
DESIGNED: MPS/JAS	SUB SHEET NO. L29	TITLE OF SHEET DETAILS TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	DRAWING NO. 406
TECH. REVIEW: HACE			PHIS/PKG NO. 184184
DATE: 10/31/2022			SHEET 317529
			SHEET 31
			OF 33

DRAWING NO. 406	TITLE OF SHEET DETAILS	DESIGNED: MPS/JAS	DATE: 10/31/2022
184184		MP/JAS	HACE
317529		TECH. REVIEW:	
SHEET 32 OF 33			

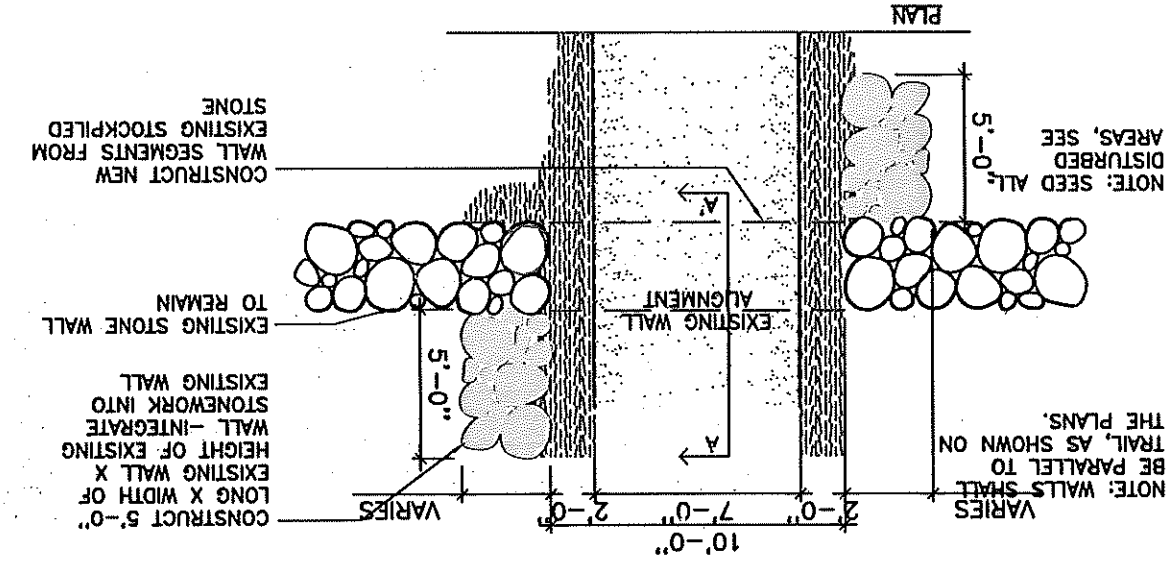
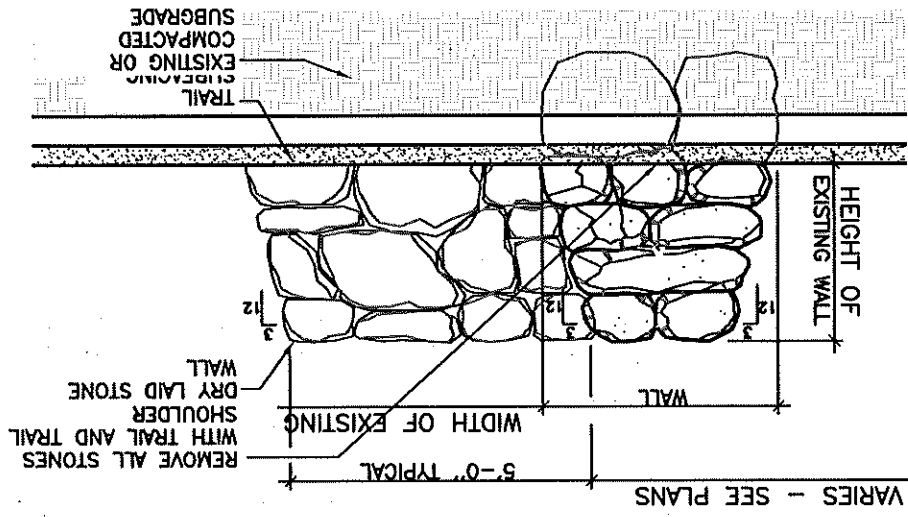
2 LANDSCAPE DRAIN
(L30 NTS)



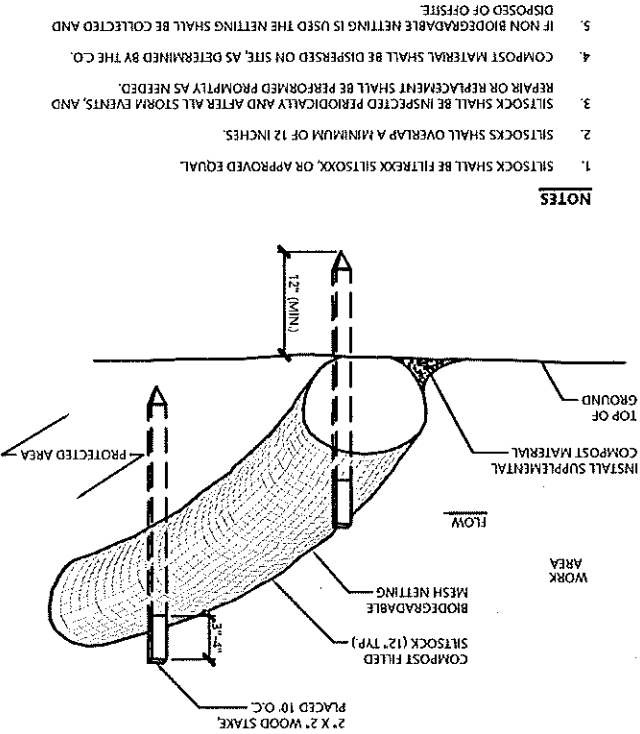
3 CULVERT AND DRAIN PIPE
(L30 NTS)



4 STONE WALL CROSSING
(L30 NTS)



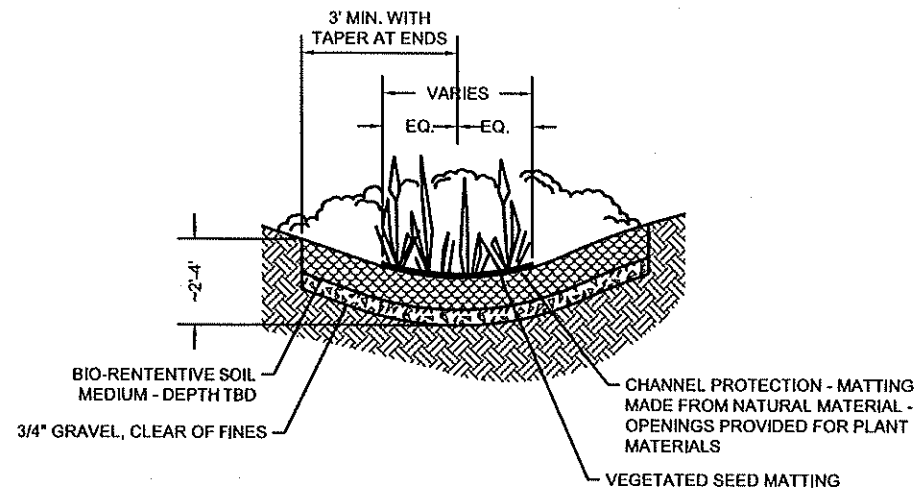
1 SILT SOCK - EROSION CONTROL BARRIER
(L30 NTS)



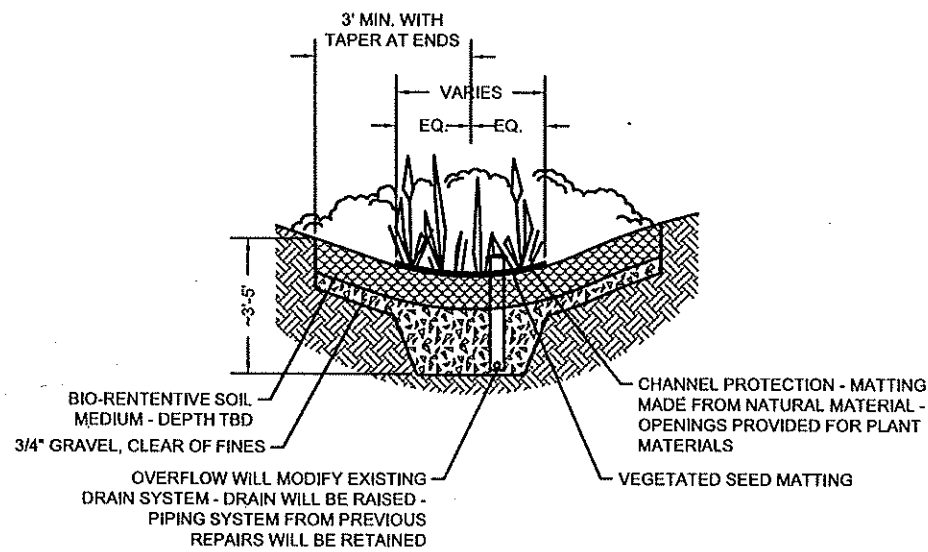
- NOTES**
1. SILT SOCK SHALL BE FILTEREKK SILT SOCK OR APPROVED EQUAL.
 2. SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
 3. SILT SOCK SHALL BE PERFORMED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
 4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE C.O. DISPOSED OF OFFSITE.
 5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

- EROSION CONTROL NOTES**
1. THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL DEVICES AT THE PROJECT COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING EROSION CONTROL SHOWN ON THE PLANS.
 2. BALE DICES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL.
 3. WEEKLY INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE LIMIT OF WORK OR INFILTRATING INTO WETLAND AREAS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
 4. ALL POINTS OF CONSTRUCTION INGRESS WILL BE PROTECTED TO PREVENT TRACKING OF MUD INTO PUBLIC WAYS.
 5. ALL SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM DRAINAGE SYSTEM (I.E. THROUGH THE USE OF HAY BALES, GRAVEL OR TEMPORARY STRUCTURE COVERS).
 6. ALL DRAINAGE SWALES AND GROUND SURFACES WITHIN THE LIMIT OF WORK SHALL BE PROTECTED FROM EROSION.
 7. AFTER ANY SIGNIFICANT RAINFALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICE OR BREACH SHALL BE CORRECTED IMMEDIATELY AND REPAIRED TO ORIGINAL CONDITIONS.
 8. THE CONTRACTOR SHALL PROVIDE ADDITIONAL TEMPORARY EROSION CONTROL DEVICES AS NECESSARY WHERE DIRECTED BY THE C.O.
 9. NO AREA SHALL BE LEFT DISTURBED PAST THE PLANNING SEASON. ALL DISTURBED AREAS SHALL BE TEMPORARILY SEED OR MULCHED BEFORE OCTOBER 15 TO INSURE EROSION CONTROL THROUGH THE WINTER SEASON.

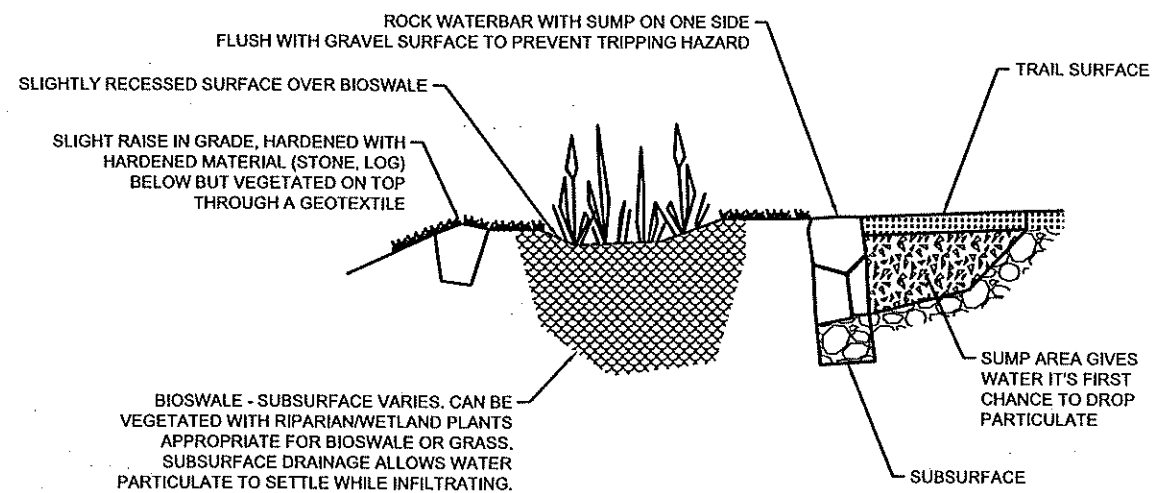
11/1/2022 1:50 PM MSURBER R19 C:\USERS\MSURBER\ONE DRIVE - DOY\PARKS\WIMA\GAOA\LANDSCAPE\3.0 CAD\CURRENT\TRAILBOARDWALKSPACKAGE\L31_DETAILS_TRLS.DWG



1 BIOSWALE WITHOUT OVERFLOW DRAIN (DRAFT)
L31 NTS



2 BIOSWALE WITH OVERFLOW DRAIN (DRAFT)
L31 NTS



3 WATERBAR WITH SUMP (DRAFT)
L31 NTS

DESIGNED: MPS/JAS	SUB SHEET NO. L31	TITLE OF SHEET DETAILS TRAIL REPAIRS GREAT AMERICAN OUTDOORS ACT (GAOA) LEXINGTON, LINCOLN, & CONCORD, MA	DRAWING NO. 406
TECH. REVIEW: HACE			184184
DATE: 10/31/2022			PMIS/PRG NO. 317529
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