

Memorandum

Project: Fall Line Trail- Bryan Park Segment

Subject: Tree Preservation Plan Documents / Impact of Construction on Existing Trees

Date: August 19, 2024

To whom it may concern:

At the request of the City of Richmond and consistent with best practices, Timmons Group has conducted an existing tree inventory and assessment, comprehensive evaluation of the proposed plan, and preparation of a detailed Tree Preservation Plan (TPP). This memo is provided as a cover letter to the TPP affixed below, for the purposes of providing a narrative description of key terms, references, and a general summary of the preservation measures employed/planned with this project.

Definition: Critical Root Zone (CRZ) - The Arboriculture industry standard and area identified as the 1 foot of radius per 1 inch of tree diameter taken at 4.5 feet above the base of the tree and defined as the area of roots most critical to the anchoring of a tree.

Provisions for working within the Critical Root Zone (CRZ) of existing trees are being administered as part of the implementation of the Fall Line Trail being routed through Bryan Park. While complying with the requirements for geometry of the trail centerline, placement of the trail is such that the least amount of impact to existing trees is our goal. The project will utilize the modern technique of air spading to expose anchoring root systems. This technique will limit the amount of damage to these root systems while excavating the soil around them.

In areas where the trail requires a fill condition, air spading is planned for the entire area of trail and edge transition located within the CRZ of prominent native species in good condition or better. Once the anchoring roots are exposed and soil is removed to the proper depth, aggregate stone required for the base of the trail will be infilled around the anchoring roots. Buildup will continue to establish the trail per the design requirements.

In areas where the trail requires a cut condition, air spading will be used to expose an open trench along the edge transition of the trail facing the closest trees. Anchoring roots will be exposed and prepared for pruning per root pruning requirements described in the ANSI A300 Tree Care Standards (2023). Current study of the plans indicates this condition to be limited to one location where a drainage pipe is proposed.

Typical renderings of these cut and fill scenarios are provided in the attached documents for reference. Detailed information regarding the areas, scope of work, and additional preservation requirements (i.e. mulching, fencing, etc.) are provided in the technical documents. Specifically, the Tree Preservation Plan from the construction documents is attached here for reference.

Large maturing trees within Bryan Park are greatly valued and with respect to working within the CRZ of these trees, the contractor will be required to utilize techniques that are less impactful to anchoring root systems of trees. The detailed Tree Preservation Plan has been developed in cooperation with Timmons Group design staff and City of Richmond staff from Public Works, Parks & Recreation, and Urban Forestry with the collective goal of bringing the Fall Line Trail to reality while maintaining the natural landscape of Bryan Park.

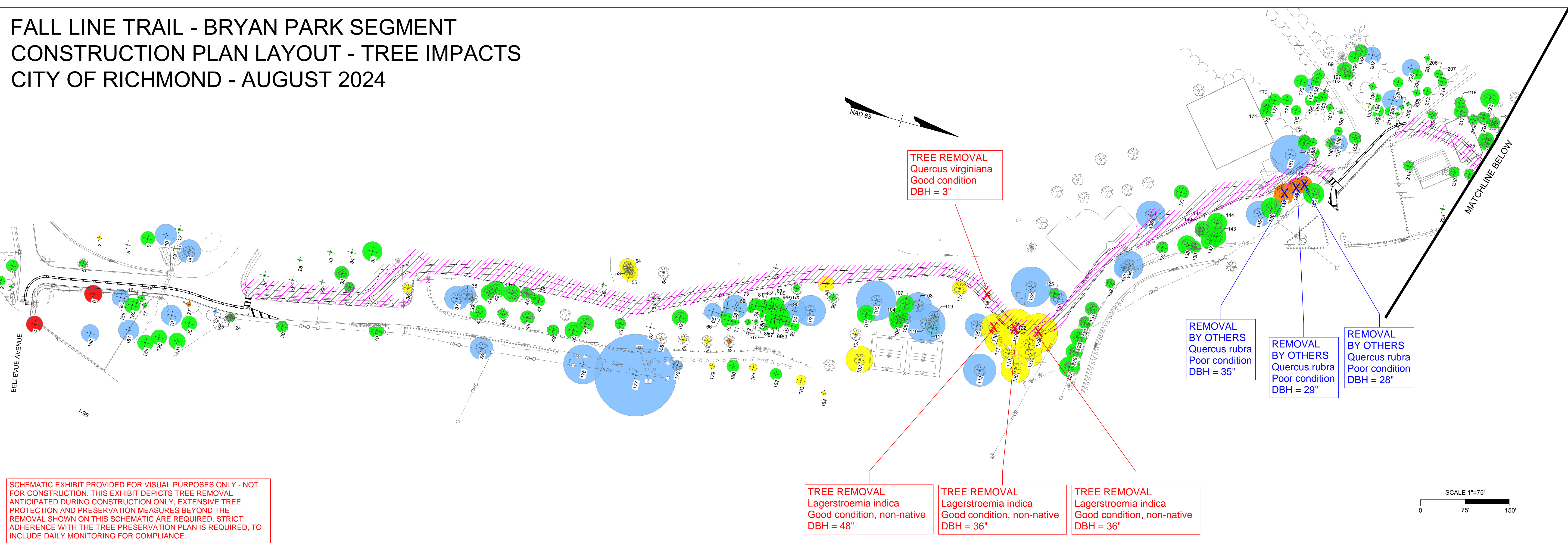
Prepared By: **Timmons Group**
Nick Soucie, PE, Assoc. DBIA, MBA
Principal, Senior Project Manager

Neal Beasley, PLA
ISA Certified Arborist MA-5747A
Senior Project Manager, Landscape Architect/Horticultural Specialist

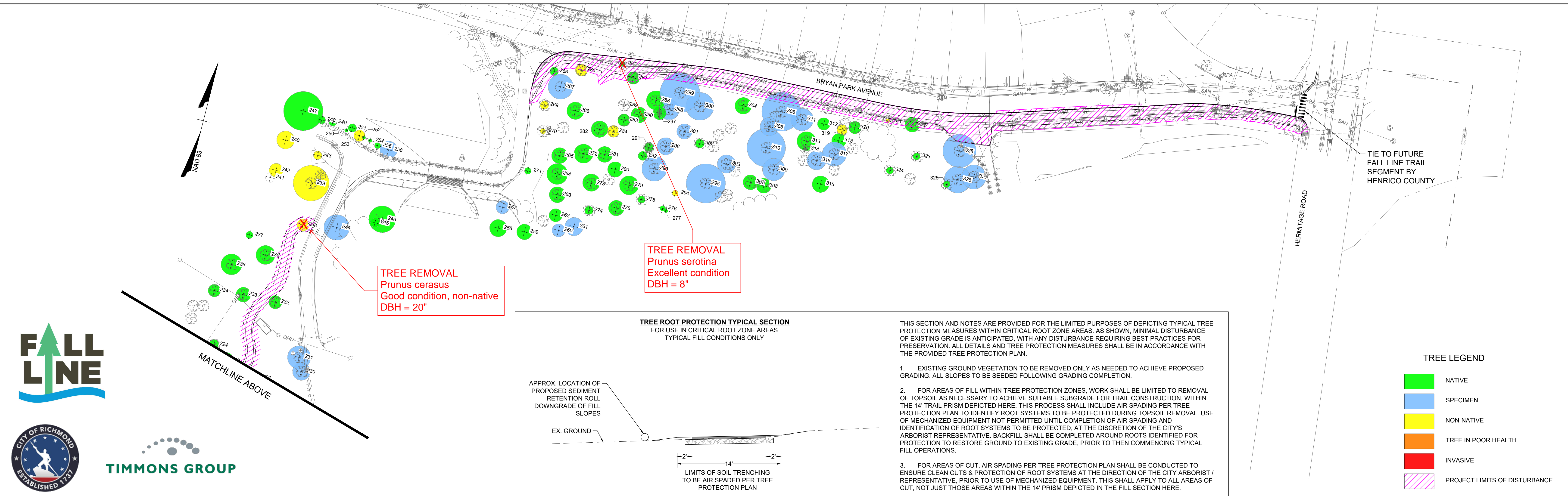
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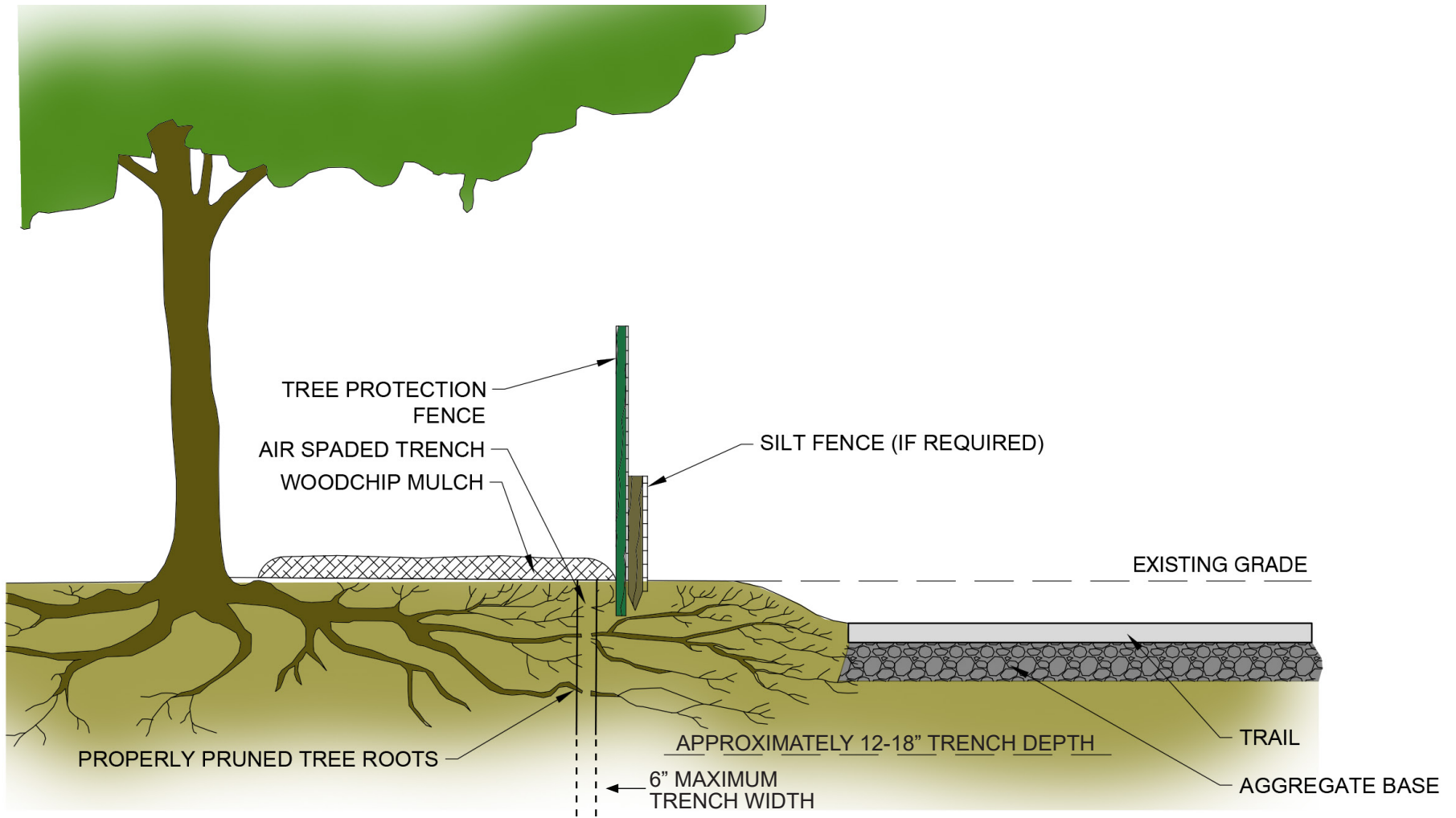
Map of Trail Improvements & Surveyed Tree Locations
Typical Renderings of Cut & Fill Protective Measures
Detailed Tree Preservation Plan (from Construction Documents)

FALL LINE TRAIL - BRYAN PARK SEGMENT CONSTRUCTION PLAN LAYOUT - TREE IMPACTS CITY OF RICHMOND - AUGUST 2024



SCHMATIC EXHIBIT PROVIDED FOR VISUAL PURPOSES ONLY - NOT FOR CONSTRUCTION. THIS EXHIBIT DEPICTS TREE REMOVAL ANTICIPATED DURING CONSTRUCTION ONLY. EXTENSIVE TREE PROTECTION AND PRESERVATION MEASURES BEYOND THE REMOVAL SHOWN ON THIS SCHMATIC ARE REQUIRED. STRICT ADHERENCE WITH THE TREE PRESERVATION PLAN IS REQUIRED, TO INCLUDE DAILY MONITORING FOR COMPLIANCE.

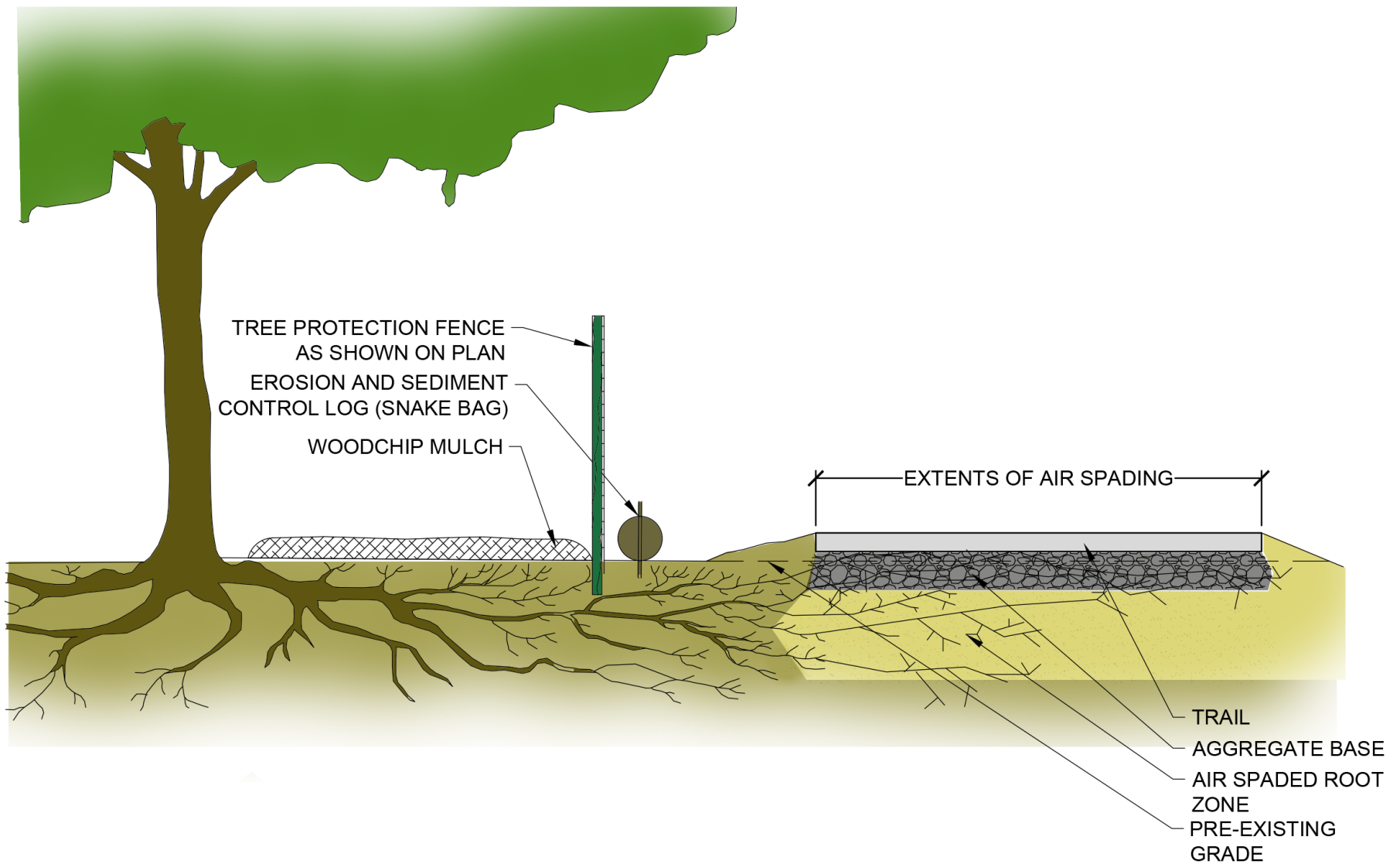




During trail installation, there are spots where the final top of trail elevation is below the existing elevation. To meet accessible grade standards, an air spaded trench will be excavated for precise root pruning just outside the limits of disturbance of the trail. This process promotes the regrowth of pruned roots while preventing extensive sections of the root system from being disturbed during construction as if it were approached through normal construction excavation measures.

Bryan Park | Fall Line Trail

Air Spade Pruning Along Trail within a Cut Application



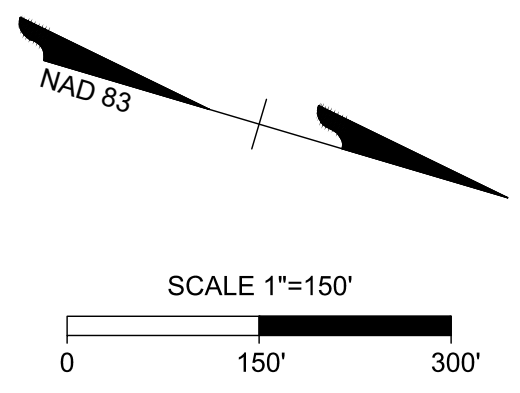
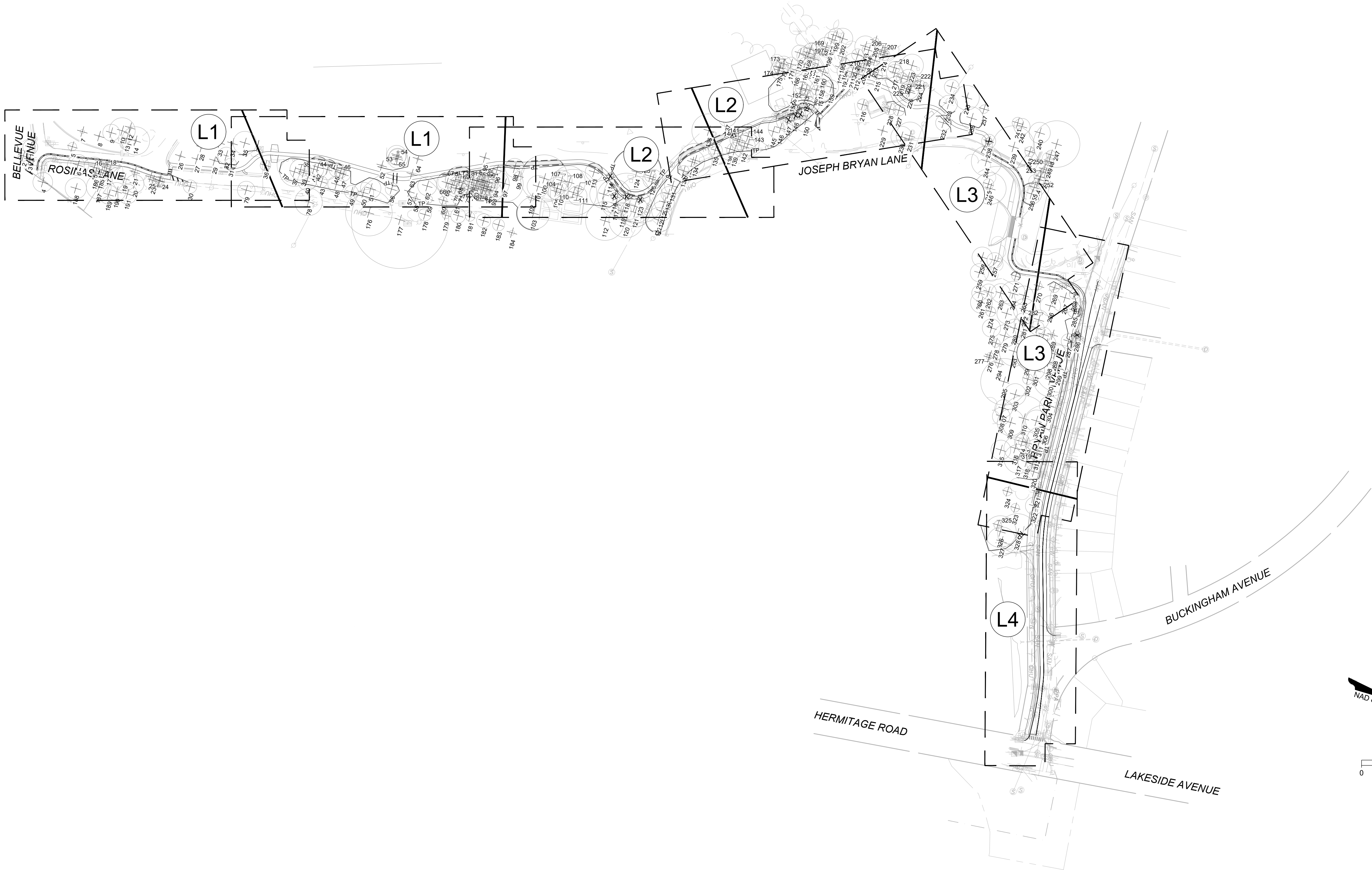
During circumstances where the trail must be placed slightly higher than the existing grade, in order to maintain accessible grade standards, the general area directly under the trail and sub-base will be excavated using a specialized air spade and excavation technique. This process not only allows the removal of soil without impacting the tree's root system, but provides space to infill the required sub-base around tree roots promoting continued growth and development while ensuring the required sub-base and trail meet construction standards.

Bryan Park | Fall Line Trail

Air Spade Pruning Along Trail within a Fill Application

OVERALL PLAN

SHEET KEY LAYOUT



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NOTES

1. Lot dimensions in parentheses are from deed.
2. Property owners correct as of _____, 2024
3. Ordinance Number N/A
4. Adopted N/A
5. Accepted N/A

LEGEND



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RICHMOND, VIRGINIA

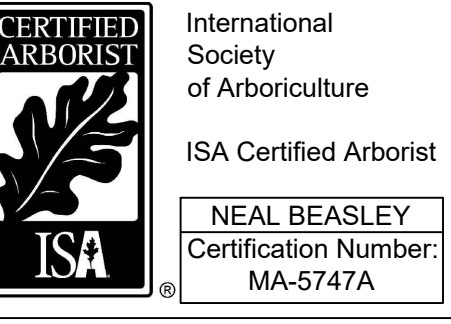


FALL LINE TRAIL - BRYAN PARK OVERALL TREE INVENTORY AND PROTECTION PLAN

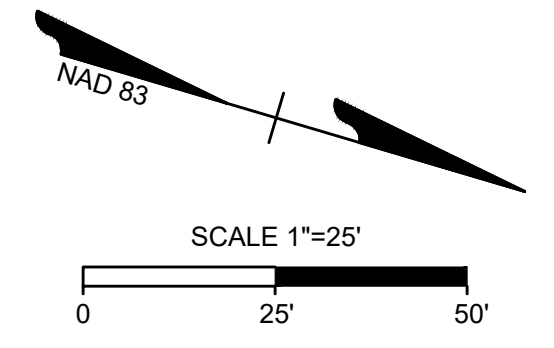
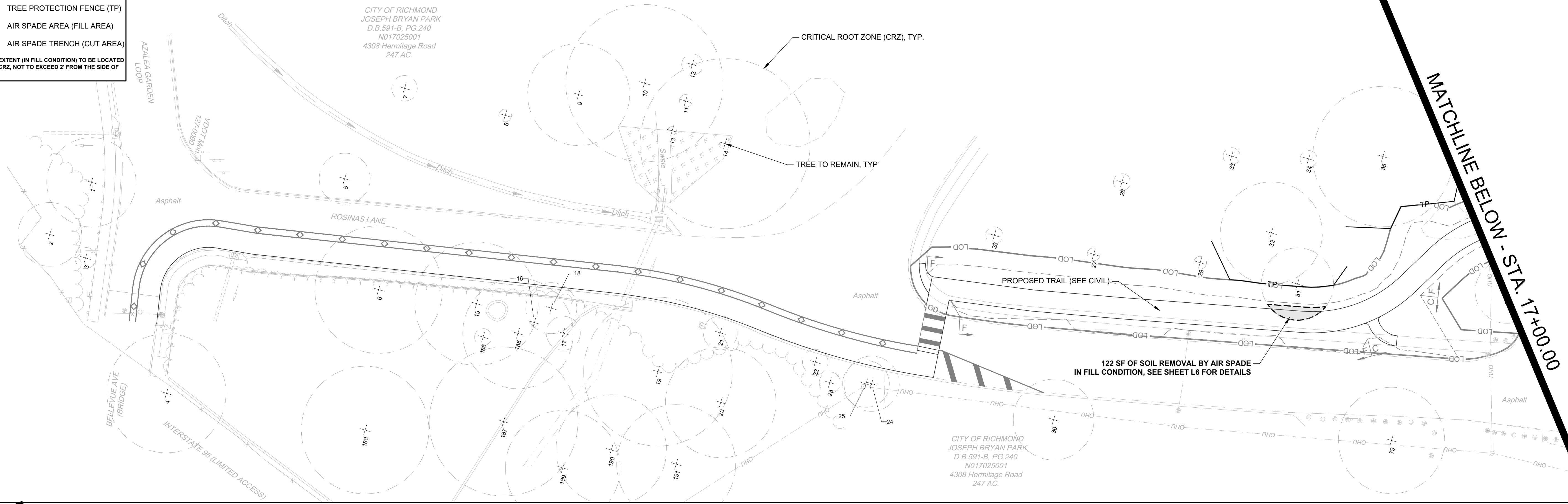
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CHECKED BY: M. WEAVER						

KEY

- CRITICAL ROOT ZONE (CRZ)
 - TREE PROTECTION FENCE (TP)
 - AIR SPADE AREA (FILL AREA)
 - AIR SPADE TRENCH (CUT AREA)
- NOTE: AIR SPADE EXTENT (IN FILL CONDITION) TO BE LOCATED WITHIN THE TREE CRZ, NOT TO EXCEED 2' FROM THE SIDE OF THE TRAIL.



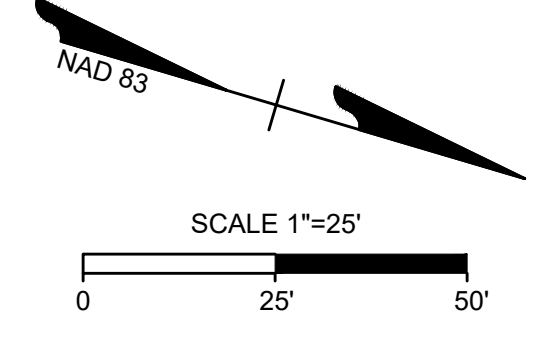
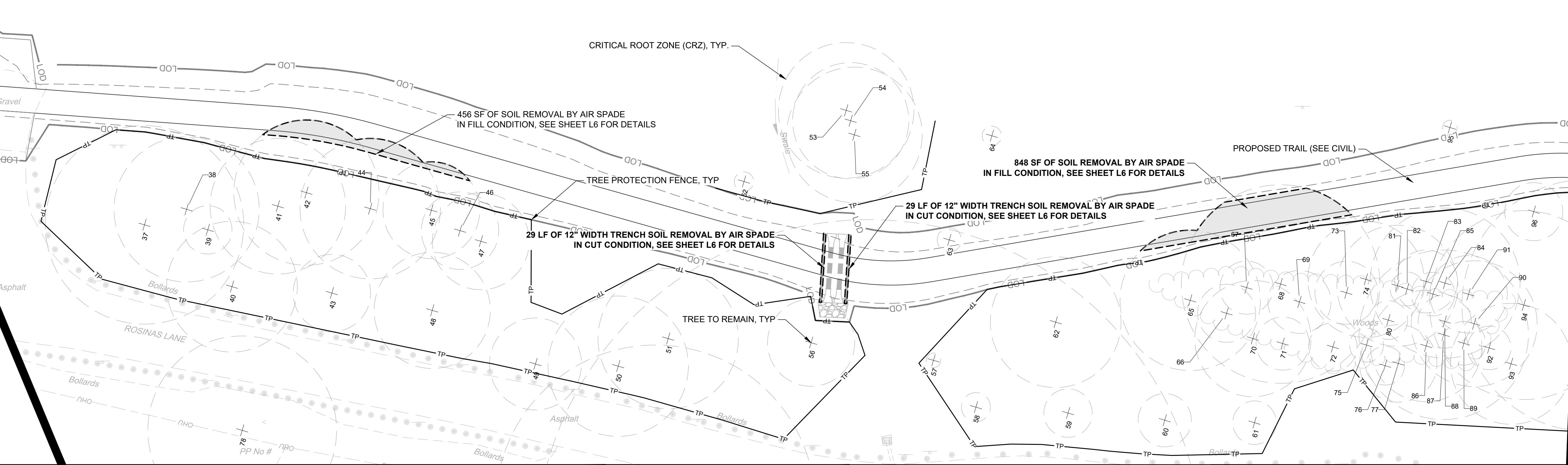
CITY OF RICHMOND
JOSEPH BRYAN PARK
D.B.591-B, PG.240
N017025001
4308 Hermitage Road
247 AC.



MATCHLINE BELOW - STA. 17+00.00

MATCHLINE ABOVE - STA. 17+00.00

Soccer Field



MATCHLINE SHEET L2 - STA. 24+00.00

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REFERENCES	REVISIONS



DEPARTMENT OF PUBLIC WORKS
RICHMOND, VIRGINIA


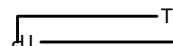




FALL LINE TRAIL - BRYAN PARK
DETAIL TREE INVENTORY AND
PROTECTION PLAN

DESIGN BY: S. HALJSH	REVIEWED BY:	FIELD NOTES:	SCALE: HORIZ. 1" = 25'	DATE: 09/13/24	SHEET: L1	DRAWING NO.: N-29103
CHECKED BY: M. WEAVER			VERT. N/A			

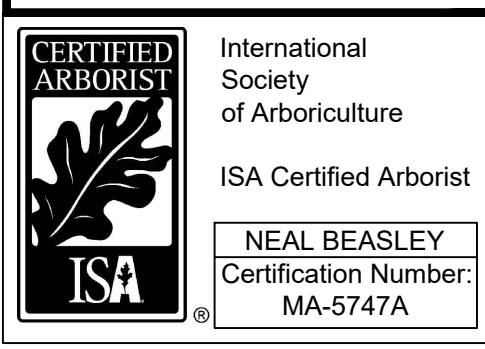
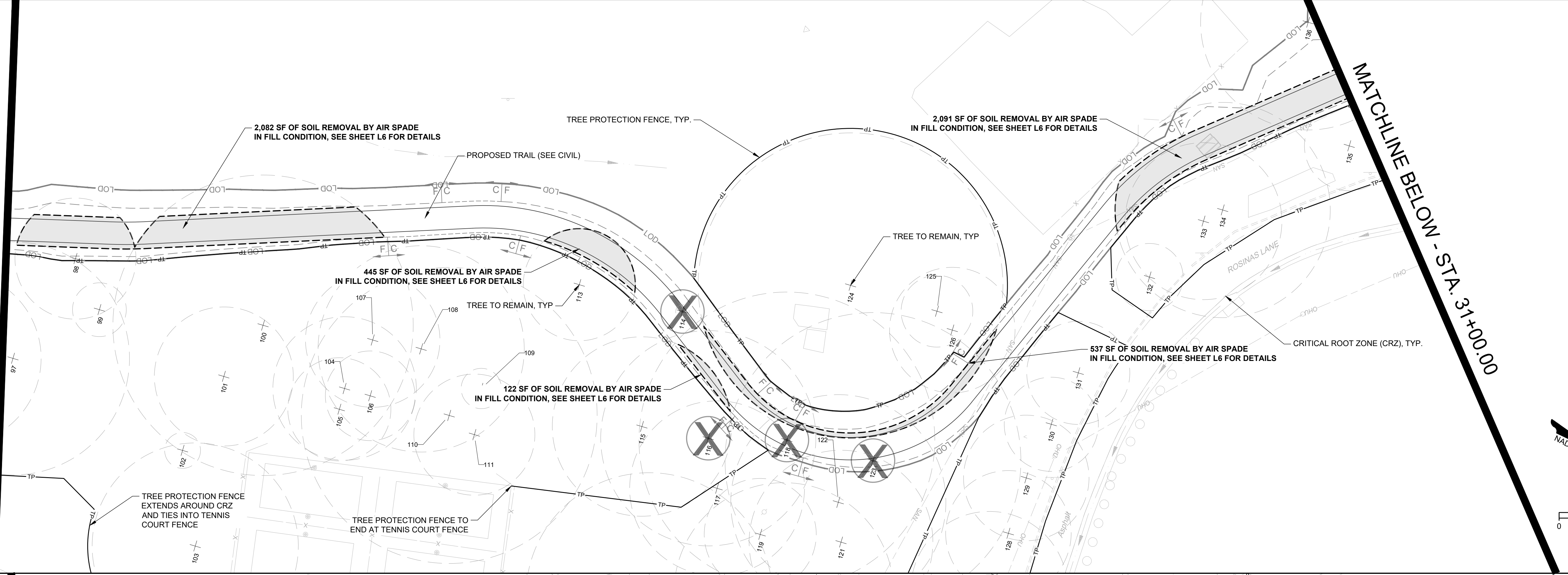
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KEY

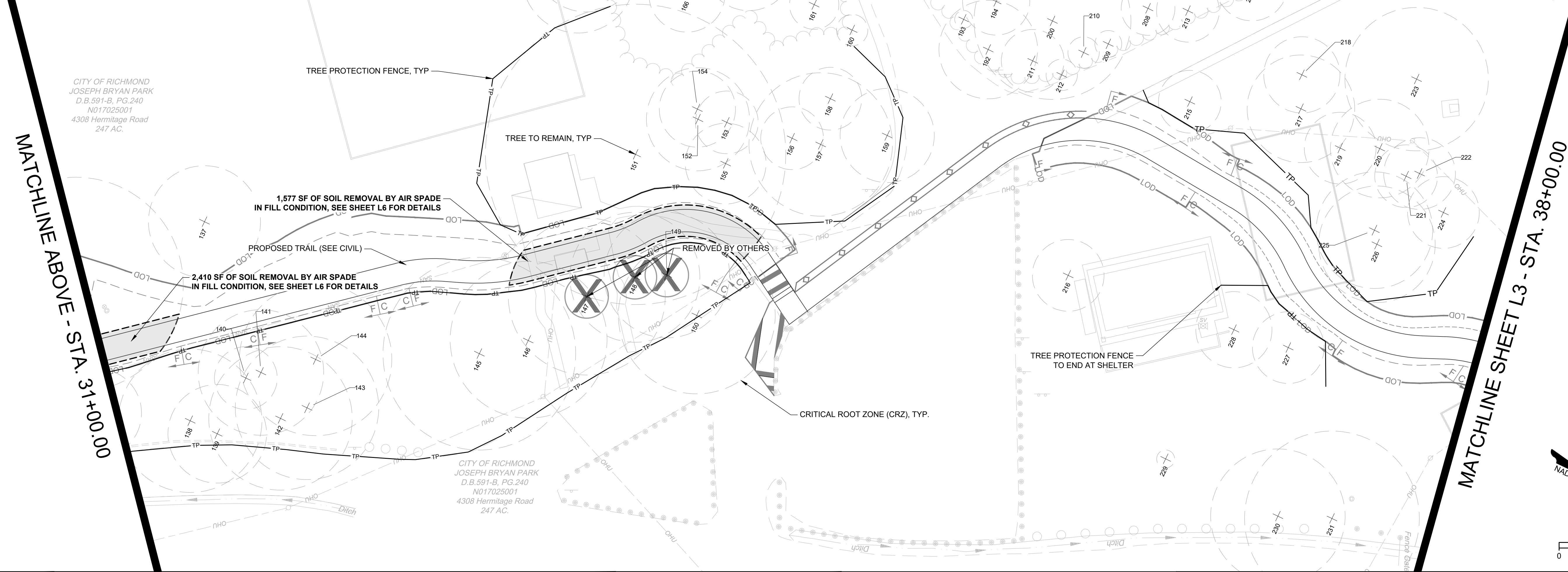
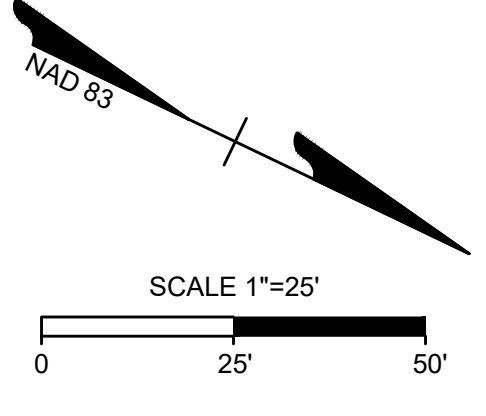
-  CRITICAL ROOT ZONE (CRZ)
-  TREE PROTECTION FENCE (TP)
-  AIR SPADE AREA (FILL AREA)
-  AIR SPADE TRENCH (CUT AREA)

NOTE: AIR SPADE EXTENT (IN FILL CONDITION) TO BE LOCATED WITHIN THE TREE CRZ, NOT TO EXCEED 2' FROM THE SIDE OF THE TRAIL.

MATCHLINE SHEET L1 - STA. 24+00.00

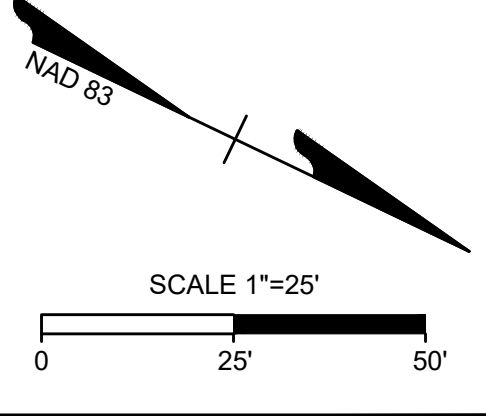


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MATCHLINE ABOVE - STA. 31+00.00

MATCHLINE SHEET L3 - STA. 38+00.00



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NOTES

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LEGEND

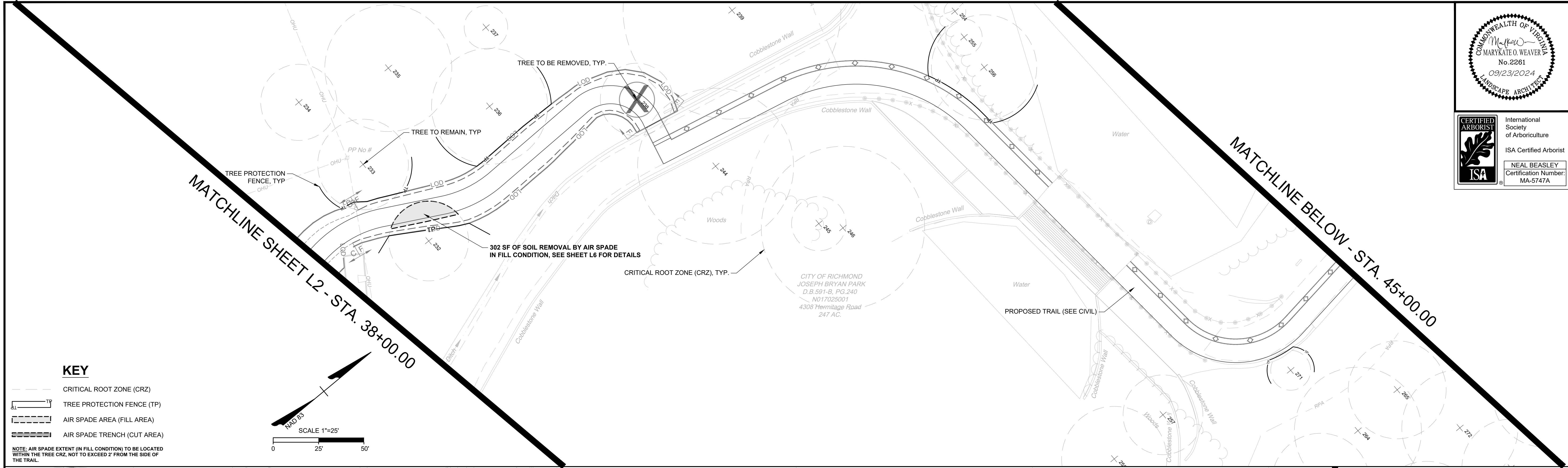
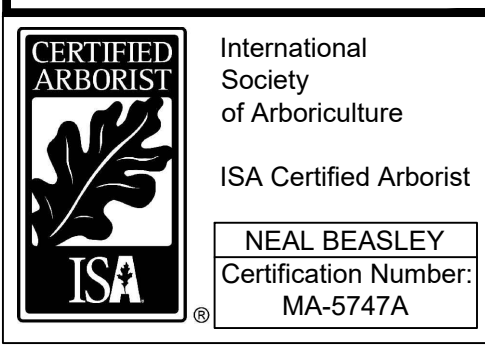


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RICHMOND, VIRGINIA



FALL LINE TRAIL - BRYAN PARK
DETAIL TREE INVENTORY AND PROTECTION PLAN

DESIGN BY: S. HALJSH	REVIEWED BY:	FIELD NOTES:	SCALE: HORIZ. 1" = 25' VERT. N/A	DATE: 09/13/24	SHEET: L2	DRAWING NO. N-29103
CHECKED BY: M. WEAVER						



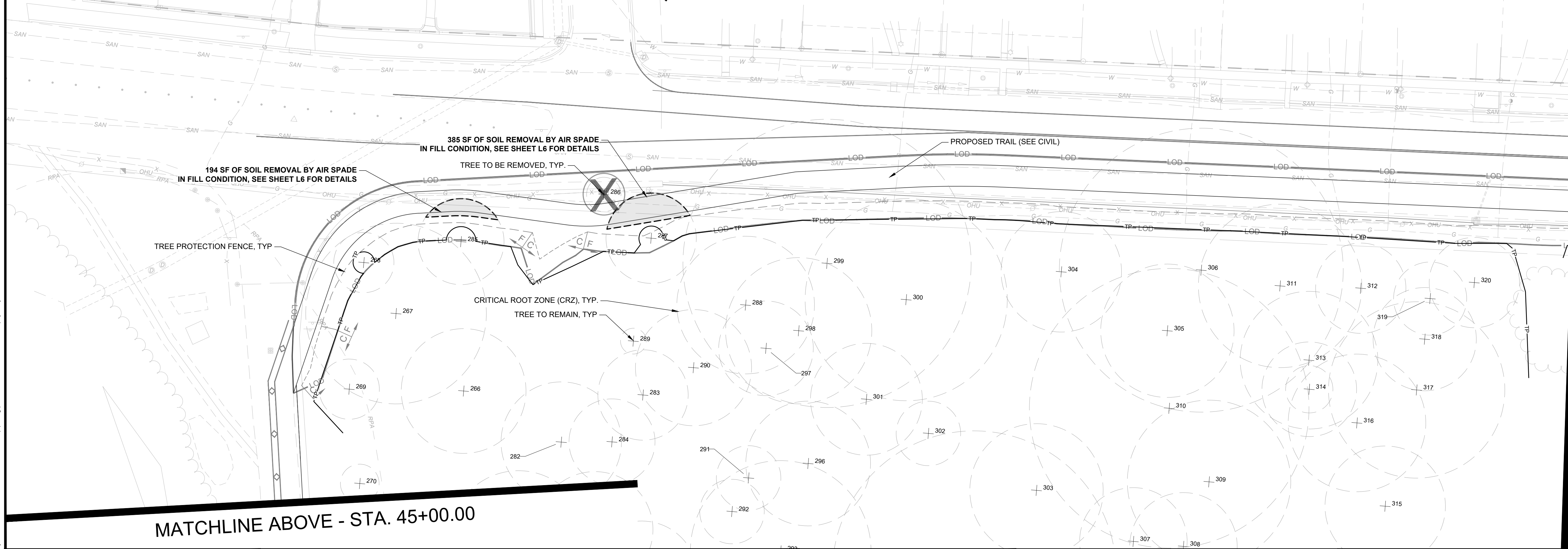
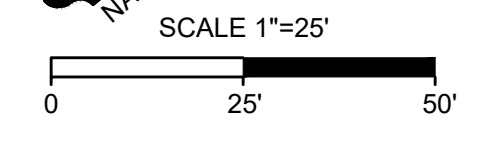
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MATCHLINE BELOW - STA. 45+00.00

KEY

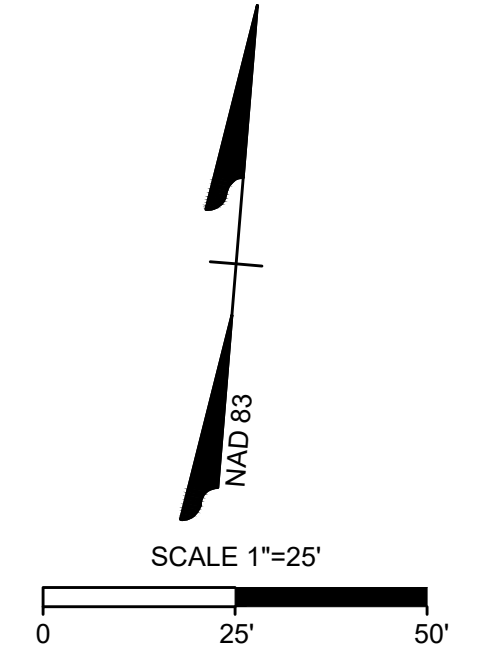
- CRITICAL ROOT ZONE (CRZ)
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NOTE: AIR SPADE EXTENT (IN FILL CONDITION) TO BE LOCATED WITHIN THE TREE CRZ, NOT TO EXCEED 2' FROM THE SIDE OF THE TRAIL.



MATCHLINE ABOVE - STA. 45+00.00

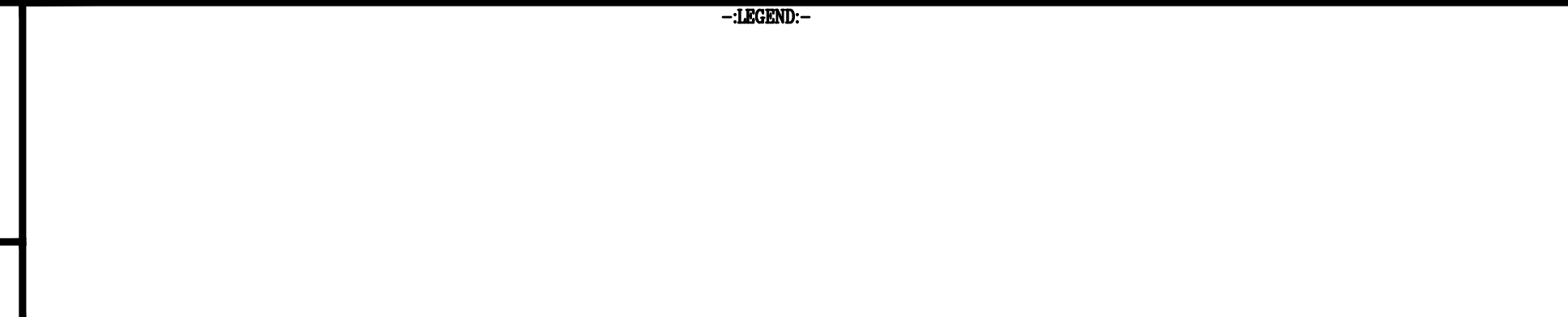
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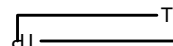


REFERENCES	REVISIONS



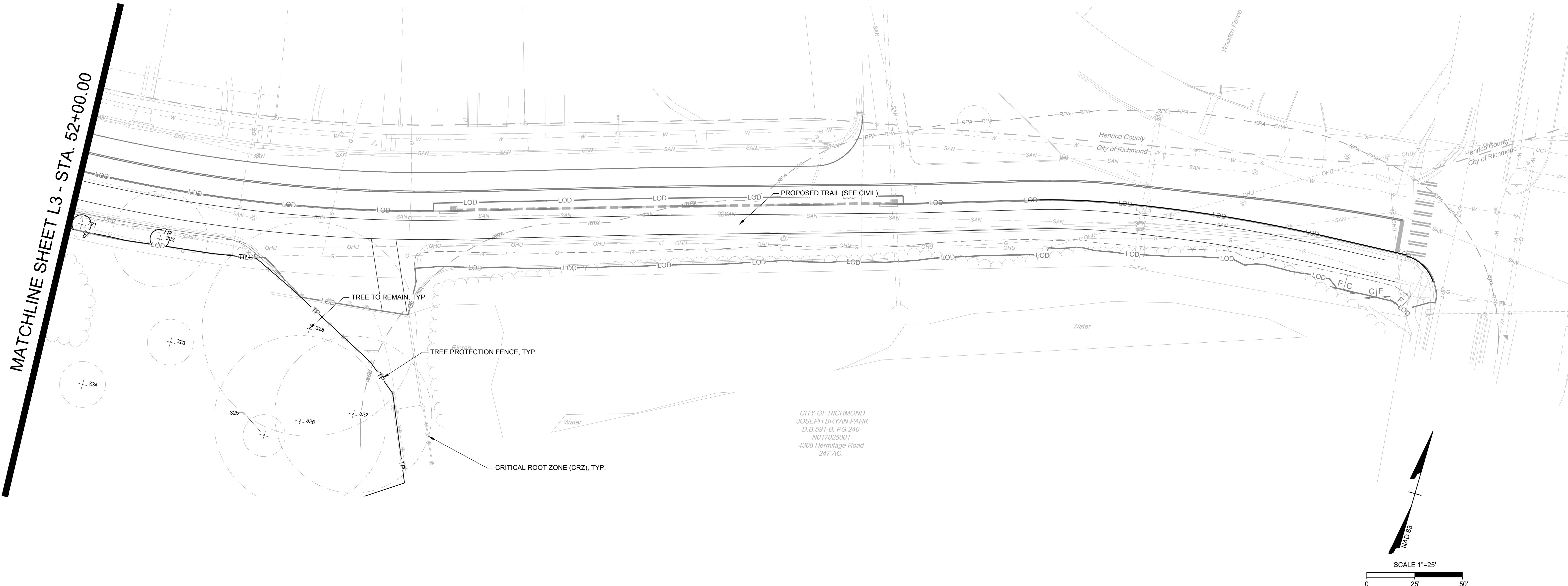
FALL LINE TRAIL - BRYAN PARK DETAIL TREE INVENTORY AND PROTECTION PLAN	
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DRAWN BY: S. HALJSH	FIELD NOTES:
CHECKED BY: M. WEAVER	SCALE: HORIZ. 1" = 25' VERT. N/A
DATE: 09/13/24	SHEET: L3
DRAWING NO. N-29103	

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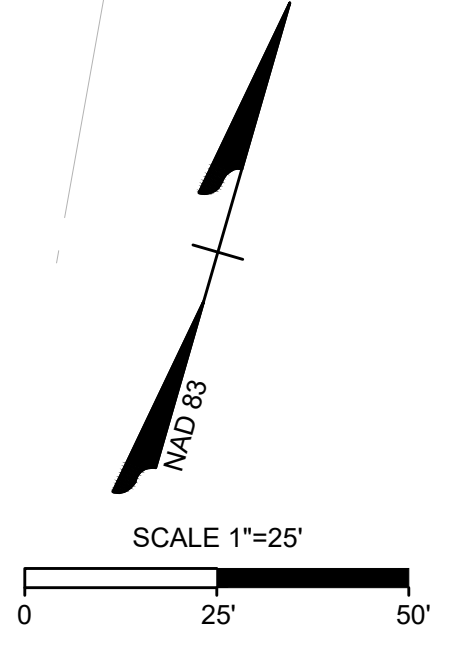
-  CRITICAL ROOT ZONE (CRZ)
-  TREE PROTECTION FENCE (TP)
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-  AIR SPADE TRENCH (CUT AREA)

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MATCHLINE SHEET L3 - STA. 52+00.00

CITY OF RICHMOND
JOSEPH BRYAN PARK
D.B. 591-B, PG. 240
N017025001
4308 Hermitage Road
247 AC.



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NOTES

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LEGEND

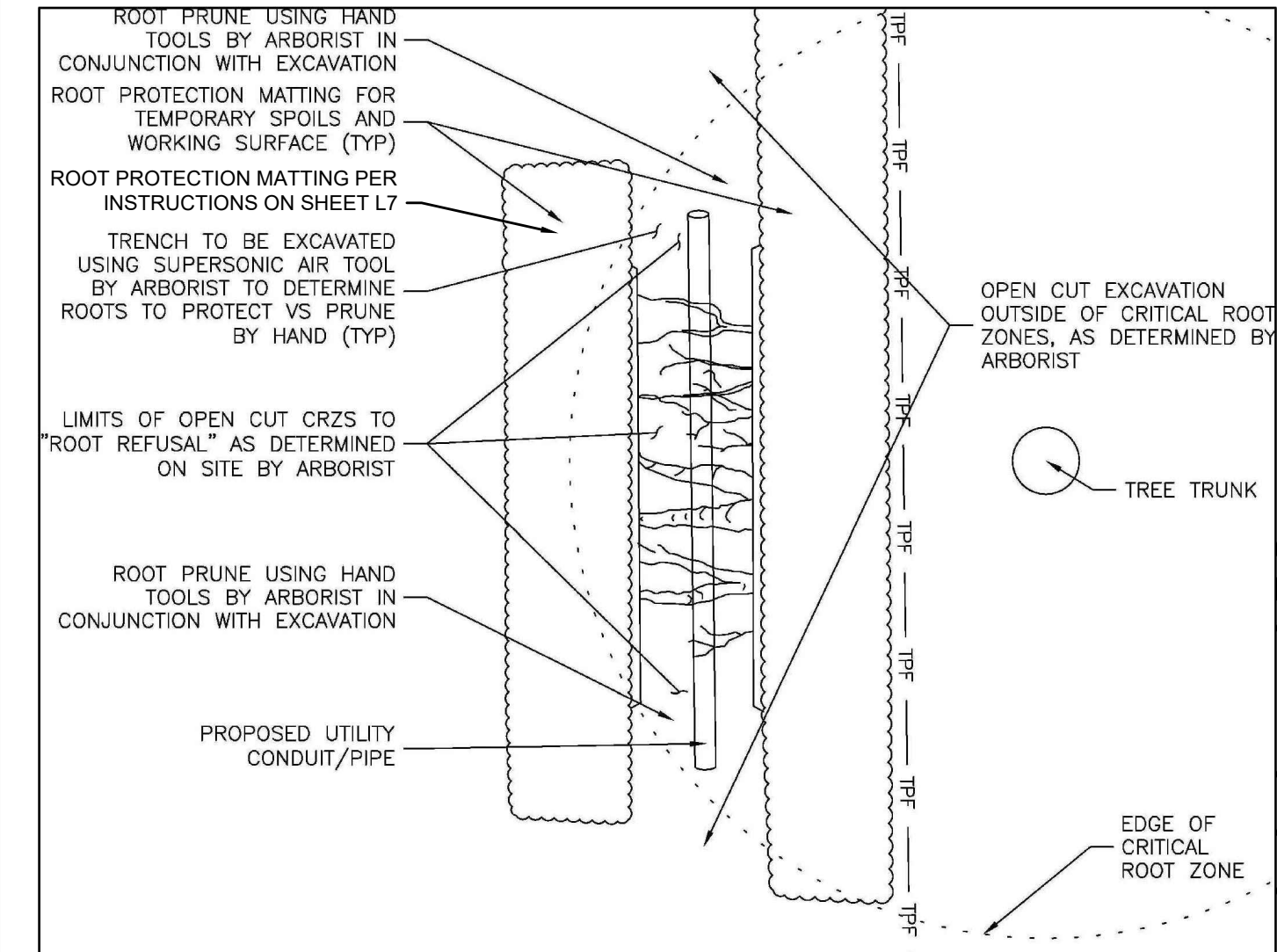
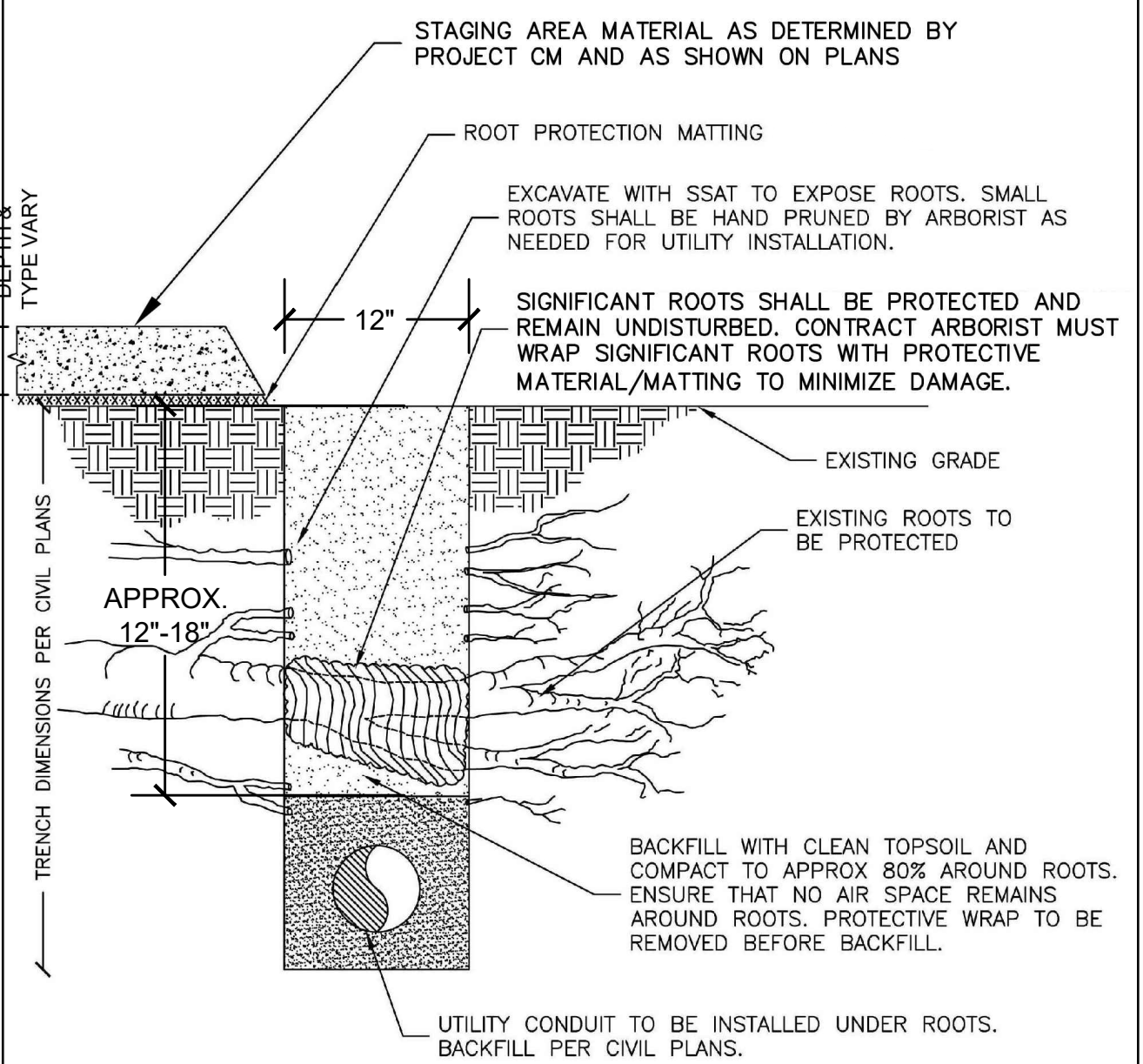
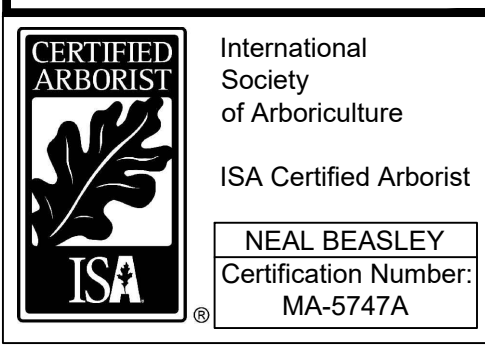


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RICHMOND, VIRGINIA



FALL LINE TRAIL - BRYAN PARK
DETAIL TREE INVENTORY AND PROTECTION PLAN

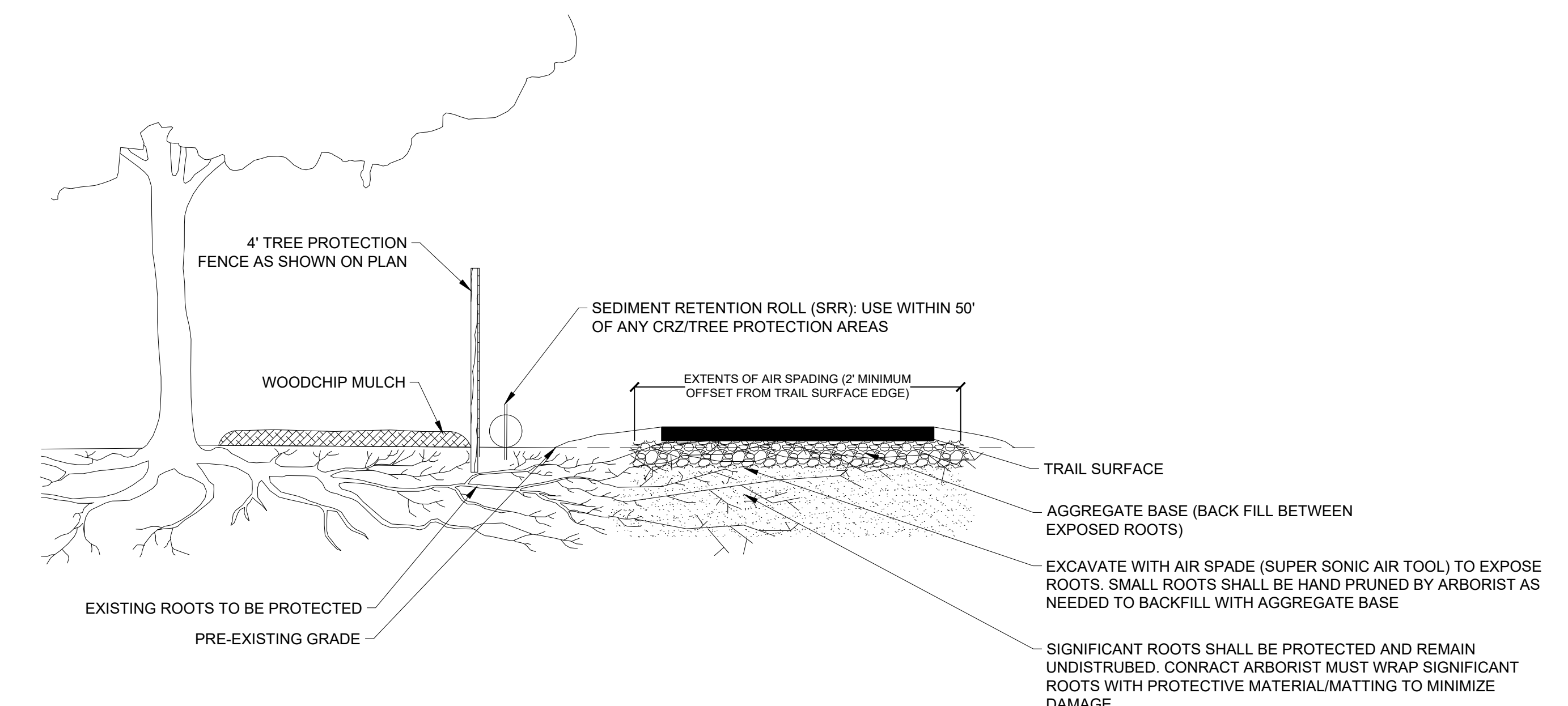
DESIGN BY: S. HALISH	REVIEWED BY:	FIELD NOTES:	SCALE: HORIZ. 1" = 25'	DATE: 09/13/24	SHEET: L4	DRAWING NO.: N-29103
CHECKED BY: M. WEAVER			VERT. N/A			



5 SUPER SONIC AIR TOOL- AIR SPADING AT PIPES
3/4" = 1'-0"



1 BILINGUAL TREE PROTECTION SIGN
3" = 1'-0"



2 AIR SPADE TRENCH: FILL CONDITION
3/4" = 1'-0"

- NOTES**
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REFERENCES	REVISIONS

---LEGEND---



FALL LINE TRAIL - BRYAN PARK
TREE PROTECTION NOTES AND DETAILS

DESIGN BY: S. HALISH	REVIEWED BY:	FIELD NOTES:	SCALE: HORIZ. 1" = 25'	DATE: 09/13/24	SHEET: L6	DRAWING NO. N-29103
DRAWN BY: S. HALISH	CHECKED BY: M. WEAVER		VERT. N/A			

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TREE PRESERVATION NARRATIVE

- TREES INCLUDED IN THE TREE INVENTORY TABLE ON SHEET L5.0 WERE SURVEYED BY TIMMONS GROUP IN MARCH OF 2024 AND HAVE BEEN APPROXIMATELY LOCATED WITH A GPS UNIT.

PRECONSTRUCTION TREATMENTS

- THERE SHALL BE A PRE-CONSTRUCTION MEETING WITH THE CONTRACTORS TO EXPLAIN THE TREE PROTECTION AND MONITORING REQUIREMENTS AS OUTLINED IN THE APPROVED PLANS.
- VERIFICATION THAT TREE PROTECTION FENCING HAS BEEN INSTALLED PURSUANT TO THE APPROVED PLANS SHALL BE PROVIDED TO THE OWNER BEFORE CONSTRUCTION COMMENCES.
- PLACEMENT OF TREE PROTECTION FENCING/SUPER SILT FENCE/SEDIMENT RETENTION ROLL (SRR) SHALL BE AS SHOWN ON THE E&S CONTROL PLAN.
- CUT A TRENCH AT SILT FENCING TO A DEPTH OF 12 TO 18 INCHES TO ACCOMMODATE ROOT PRUNING AS INDICATED ON PLAN.
- PRUNE TREE ROOTS FLUSH WITH EDGE OF SRR AT THE LOD.
- TO PREVENT SUN SCALDING, USE BURLAP TO WRAP THE SOUTH-FACING SIDE OF ALL TREE TRUNKS THAT WILL BE NEWLY EXPOSED TO FULL SUNLIGHT POST-CLEARING.
- CROWN PRUNING IS NOT RECOMMENDED IN CONJUNCTION WITH ROOT PRUNING.
- VERIFICATION OF THE COMPLETED INSTALLATION OF TREE PROTECTION WILL BE CONDUCTED BY A CERTIFIED ARBORIST.
- TREE REMOVAL PLANS SHALL BE REVIEWED BEFORE WORK IS COMPLETED. THE PLANS SHALL INCLUDE MEASURES TO LIMIT SOIL COMPACTION TO LIMIT SOIL COMPACTION OF SURROUNDING TREES AND MECHANICAL DAMAGE FROM THE TREE REMOVAL.

CLEARING OPERATION MEASURES

- NO GROUND DISTURBANCE, GRADING, TRENCHING, CONSTRUCTION ACTIVITIES OR STRUCTURAL DEVELOPMENT SHALL OCCUR WITHIN THE TREE PROTECTION AREAS.
- GRADE CHANGES OUTSIDE OF THE TREE SAVE AREA SHALL NOT SIGNIFICANTLY ALTER DRAINAGE TO PROTECTED TREES.
- PRUNING SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) TREE-PRUNING GUIDELINES. CLIMBING GAFFS SHALL NOT BE USED ON LIVE WOOD.
- NO LIVE TISSUE MAY BE REMOVED FROM PROTECTED TREES SOLELY FOR THE PURPOSED OF ALTERING THE APPEARANCE OF A TREE.
- FELL TREES LOCATED WITHIN THE 10 FEET INSIDE THE LOD TOWARDS THE INTERIOR OF THE SITE TO AVOID DAMAGING TREES TO BE PRESERVED.
- REMOVE ALL DEAD TREES LOCATED WITHIN 20 FEET OF THE OUTSIDE OF THE LOD. FELLED TREES ARE TO BE FULLY REMOVED AND NOT TO REMAIN FELLED WITHIN BRYAN PARK. GRIND WOODY DEBRIS FOR WOOD CHIPS ON SITE AND STOCKPILE FOR MULCHING ON SITE.
- PRIOR TO ANY TIMBERING ACTIVITIES, THE CONTRACTOR SHALL INSTALL THE PERIMETER FENCE AND ALL REQUIRED TREE PROTECTION FENCE, SUPER SILT FENCE/SEDIMENT RETENTION ROLL IN ACCORDANCE WITH DETAILS ON SHEET L6.

TREE PROTECTION DURING CONSTRUCTION

- MAINTAIN USE OF TREE PROTECTION FENCING/SUPER SILT FENCE/SRR FOR DURATION OF CONSTRUCTION.
- TREE PROTECTION SHALL BE MONITORED DAILY TO ENSURE THE FENCING REMAINS UPRIGHT AND VIABLE. WEEKLY REPORTS SHALL BE SENT TO MICHAEL WEBB (MICHAEL.WEBB@RVA.GOV), URBAN FORESTER FOR THE CITY OF RICHMOND TO ENSURE THAT THE TREE PROTECTION FENCING REMAINS IN EXCELLENT WORKING ORDER.
- DO NOT GRADE BEYOND THE LIMITS OF DISTURBANCE. MAINTAIN EXISTING GRADES WITHIN TREE PROTECTION ZONES THAT ARE WITHIN THE LIMITS OF DISTURBANCE.
- PLACE A LAYER OF WOOD CHIPS 6 INCHES IN DEPTH AROUND TREES WITHIN 20 FEET OUTSIDE OF THE LOD. PLACE WOOD CHIPS FROM THE TRUNK TO THE EXTENTS OF THE DRIPLINE OF ALL WOODED AREAS OR INDIVIDUAL TREES AS NEEDED. DO NOT PLACE WOOD CHIPS AGAINST TREE TRUNKS. SOURCE WOOD CHIPS FROM ONSITE CLEARING AND TREE REMOVAL.
- INSTALL GEOGRIDS, FILTER FABRIC, MATTING, WOOD CHIPS, AND OR MULCH AREAS AND DEPTHS SHOWN ON THE PLANS AND DETAILS OR AS DIRECTED BY THE PROJECT MANAGER. IN GENERAL IT IS THE INTENT OF THIS SPECIFICATION TO PROVIDE THE FOLLOWING LEVELS OF PROTECTION:
 - AREAS WHERE FOOT TRAFFIC OR STORAGE OF LIGHTWEIGHT MATERIALS IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF FILTER FABRIC UNDER THE 6" OF WOOD CHIPS OR MULCH.
 - AREAS WHERE OCCASIONAL LIGHT VEHICLE TRAFFIC IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 INCHES OF WOOD CHIPS OR MULCH.
 - AREAS WHERE HEAVY VEHICLE TRAFFIC IS UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8-12 INCHES OF WOOD CHIPS OR MULCH AND A LAYER OF MATTING OVER THE WOOD CHIPS OR MULCH.
- FINE GRADE TO LEVEL TERRAIN WHERE CLEARING AND GRUBBING HAS CREATED AN UNEVEN GROUND PLANE WITHIN THE LOD.
- ALL ROOTS OVER 4 INCH SHALL BE PRUNED BY MAKING CLEAN CUTS WITH A LOPPER, SAW, OR PRUNER TO REMOVE TORN ROOT ENDS FROM THE TREE SIDE OF THE EXCAVATION AND BACKFILL THE TRENCH IMMEDIATELY. TO BE CLEANLY CUT PER ROOT PRUNING REQUIREMENTS IN THE ANSI A300 TREE CARE STANDARDS (2023).
- SCHEDULE ALL TRENCHING WORK TO ENSURE IT IS COMPLETED IMMEDIATELY AFTER THE EXCAVATION. DO NOT LET THE ROOTS DRY OUT. MIST THE ROOTS SEVERAL TIMES DURING THE DAY. IF THE EXCAVATED AREA MUST REMAIN OPEN OVER NIGHT, MIST THE ROOTS AND COVER THE EXCAVATION WITH BLACK PLASTIC.
- REPORT DAMAGE TO EXISTING TREES TO REMAIN TO AN ISA CERTIFIED ARBORIST OR THE PROJECT LANDSCAPE ARCHITECT AND FOLLOW THEIR DIRECTION ON REPAIR AND REPLACEMENT AS NEEDED.
- DURING CONSTRUCTION, THE LANDOWNER OR DEVELOPER WILL BE RESPONSIBLE FOR THE ERECTION AND MAINTENANCE OF ALL BARRIERS NECESSARY TO PROTECT TREES WITHIN A TREE PROTECTION ZONE, AND ANY OTHER EXISTING VEGETATION TO BE RETAINED, FROM DAMAGE BOTH DURING AND AFTER CONSTRUCTION. PROTECTIVE BARRIERS MUST BE INSTALLED PRIOR TO, AND MAINTAINED THROUGHOUT, THE LAND DISTURBANCE AND CONSTRUCTION PROCESS. SUCH BARRIERS MUST BE INSTALLED ALONG THE OUTER EDGE OF AND COMPLETELY SURROUNDING ALL TREE PROTECTION ZONES.
- PROTECTIVE BARRIERS MUST CONSIST OF ONE OF THE FOLLOWING:
 - A MINIMUM FOUR-FOOT-HIGH WOODEN POST AND RAIL FENCE WITH TWO-INCH BY FOUR-INCH POSTS AND A DOUBLE ONE-INCH BY FOUR-INCH RAIL;
 - A MINIMUM FOUR-FOOT-HIGH ORANGE SAFETY FENCING MADE OF POLYETHYLENE LAMINAR OR SIMILAR DURABLE PLASTIC AND MOUNTED ON WOODEN POSTS; OR
 - A FENCING METHOD OFFERING SIMILAR PROTECTION APPROVED BY THE PLANNING DIRECTOR.
- PROTECTIVE BARRIERS MUST BE POSTED WITH WARNING SIGNS AT LEAST ONE SQUARE FOOT IN AREA, NOT MORE THAN 50 FEET APART, THAT ARE CLEARLY VISIBLE FROM ALL SIDES OF THE TREE PROTECTION ZONE, IDENTIFYING THE FENCED AREA AS A TREE PROTECTION ZONE AND DIRECTING CONSTRUCTION WORKERS NOT TO ENCRROACH INTO THE AREA (E.G., "TREE PROTECTION ZONE. DO NOT ENTER").
- CONSTRUCTION SITE ACTIVITIES, INCLUDING CUTTING, FILLING, GRADING, PARKING, EQUIPMENT OR MATERIAL STORAGE, BURY PITS, CONCRETE WASHOUT, OR BURNING OF DEBRIS, ARE PROHIBITED WITHIN TREE PROTECTION ZONES.
- TREES LOCATED WITHIN A TREE PROTECTION ZONE MUST BE PROTECTED FROM CONTAMINATION FROM LIQUIDS OR OTHER MATERIALS, INCLUDING PAINT, CHEMICAL SOLVENTS, GASOLINE, OIL, DIESEL FUEL, HYDRAULIC FLUID, CONCRETE SPILLS, OR RINSE WATER FROM CLEANING OF CONCRETE TRUCKS OR OTHER VEHICLES. PRIOR TO MACHINERY PASSING OVER ANY AREA WITHIN A TREE PROTECTION ZONE DURING CONSTRUCTION ACTIVITIES, THE AREA MUST BE CUSHIONED USING PLYWOOD SHEETING COVERED BY A MINIMUM FOUR-INCH-THICK LAYER OF WOOD MULCH, OR MATERIALS PROVIDING AN EQUIVALENT DEGREE OF PROTECTION, AS SHOWN ON AN APPROVED LANDSCAPING PLAN. THE PLANS SHALL INCLUDE MEASURES TO LIMIT SOIL COMPACTION TO LIMIT SOIL COMPACTION OF SURROUNDING TREES AND MECHANICAL DAMAGE FROM THE TREE REMOVAL OPERATION. USE OF THICK MULCHING AND HEAVY DUTY MATTING DESIGNED FOR VEHICLE LOADING OVER TREE ROOTS SUCH AS ALTURNAMATS OR APPROVED EQUIVALENT.
- NO SOIL WORK OR OTHER ACTIVITY SHALL BE PERMITTED WITHIN THE LIMIT OF DISTURBANCE WHEN THE VOLUMETRIC SOIL MOISTURE IS ABOVE FIELD CAPACITY. THE PERMANENT WILT POINT AND FIELD CAPACITY FOR EACH TYPE OF SOIL TEXTURE SHALL BE DEFINED AS FOLLOWS (NUMBERS INDICATE PERCENTAGE VOLUMETRIC SOIL MOISTURE).
- VOLUMETRIC SOIL MOISTURE SHALL BE MEASURED WITH A DIGITAL, ELECTRIC CONDUCTIVITY METER. THE METER SHALL BE THE DIGITAL SOIL MOISTURE METER, DSM500 BY GENERAL SPECIALTY TOOLS AND INSTRUMENTS, OR APPROVED EQUIVALENT METER. THE CONTRACTOR SHALL CONFIRM THE SOIL MOISTURE LEVEL WITH A MOISTURE METER. IF THE MOISTURE IS TOO HIGH, SUSPEND OPERATIONS UNTIL THE SOIL MOISTURE DRAINS TO BELOW FIELD CAPACITY.

Soil type	Permanent wilt point v/v	Field capacity v/v
Sand, Loamy sand, Sandy loam	5-8%	12-18%
Loam, Sandy clay, Sandy clay loam	14-25%	27-36%
Clay loam, Silt loam	11-22%	31-36%
Silty clay, Silty clay loam	22-27%	38-41%

PROJECT COMPLETION WORK

- AERATE SURFACE SOIL COMPACTED DURING CONSTRUCTION, INCLUDE ROOT INVIGORATION PER INDUSTRY STANDARDS.
- DISPOSE OF ALL EXCAVATED MATERIAL, DISPLACED TREES, TRASH, AND DEBRIS.
- REMOVE TREE PROTECTION FENCING/SUPER SILT FENCE/SEDIMENT RETENTION ROLL AFTER COMPLETION OF FACILITY INSTALLATION WITH APPROVAL OF COUNTY STAFF.
- ANNUAL INSPECTIONS OF TREES IN OR NEAR THE CONSTRUCTION LIMITS SHALL BE MONITORED AND REPORTED ON BY THE OWNERS ASSIGNED CERTIFIED ARBORIST.
- PLANTS THAT ARE DAMAGED SHALL BE CONSIDERED AS REQUIRING REPLACEMENT OR APPRAISAL IN THE EVENT THAT THE DAMAGE EFFECTS MORE THAN 25% OF THE CROWN, 25% OF THE TRUNK CIRCUMFERENCE, OR ROOT PROTECTION AREA, OR THE TREE IS DAMAGED IN SUCH A MANNER THAT THE TREE COULD DEVELOP INTO A POTENTIAL HAZARD. TREES TO BE REPLACED SHALL BE REMOVED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- ANY REMEDIAL WORK ON DAMAGED EXISTING PLANTS RECOMMENDED BY THE PROJECT MANAGER SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER. REMEDIAL WORK SHALL INCLUDE BUT IS NOT LIMITED TO: SOIL COMPACTION REMEDIATION AND VERTICAL MULCHING, PRUNING AND CABLING, INSECT AND DISEASE CONTROL INCLUDING INJECTIONS, COMPENSATORY WATERING, ADDITIONAL MULCHING



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NOTES

- Lot dimensions in parentheses are from deed.
- Property owners correct as of _____, 2024
- Ordinance Number N/A
- Adopted N/A
- Accepted N/A

--LEGEND--



FALL LINE TRAIL - BRYAN PARK TREE PROTECTION NOTES AND DETAILS

DESIGN BY: S. HALUSH	REVIEWED BY:	FIELD NOTES:	SCALE: HORIZ. 1" = 25'	DATE: 09/13/24	SHEET: L7	DRAWING NO. N-29103
CHECKED BY: M. WEAVER			VERT. N/A			