



ReconnectWithNature.org

Bringing People and Nature Together

17540 W. Laraway Road
Joliet, IL 60433
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Advertisement for Bids

The FOREST PRESERVE DISTRICT OF WILL COUNTY will receive bids at the Forest Preserve District of Will County's Sugar Creek Administration Center, located at 17540 W. Laraway Road, Joliet, Illinois 60433, until 9:30 a.m. Central time on Monday, June 23, 2025 for:

Old Plank Road Trail Pavement Rehabilitation

at which time the bids will be publicly opened and read.

This project generally includes rehabilitation of the asphalt trail surface and ADA enhancements at road crossings on the Old Plank Road Trail for the section managed by the Forest Preserve from Schoolhouse Road in New Lenox, IL to Washington Street in Joliet, IL (approximately 7.1 miles). For additional information and to download Bid Documents, please visit our website at www.ReconnectWithNature.org. Participants must register in full to be eligible to receive addenda and to submit a bid.

Contract Documents can be obtained between 8:00 a.m. and 4:00 p.m., Monday through Friday beginning Monday, June 9, 2025 from:

Sugar Creek Administration Center, 17540 West Laraway Road, Joliet, Illinois 60433. Phone - 815-727-8700.

Bids must be submitted in accordance with the Contract Documents. Bids shall be accompanied by the proper bid security.

The FOREST PRESERVE DISTRICT OF WILL COUNTY reserves the right to accept any bid or any part or parts or combinations thereof, to waive any informalities or irregularities, and to reject any or all bids.

By Order of the Board of Commissioners of the Forest Preserve District of Will County.

For questions regarding the project, contact Chris Moeller at cmoeller@fpdwc.org or (815) 409-5643.

For delivery of the bid documents, contact Elise Brazzale at ebrazzale@fpdwc.org or (815) 722-9849.

Table of Contents

Section	Page
Advertisement for Bids	1
Table of Contents	1
Invitation for Bids	
1. Project Identification	1
2. Owner/Awarding Authority	1
3. Pre-bid Meeting	1
4. Bid Submission & Security	1
5. Bonds & Insurance	1
6. Right to Accept or Reject Bids.....	1
7. Award of Contract.....	2
8. Execution of Contract	2
9. Commencement and Completion of the Work	2
10. Reasonable Accommodation & Non-Discrimination.....	2
11. Small Business Enterprise Initiative	2
Instructions to Bidders	
1. Examination of Contract Documents and Site.....	1
2. Qualification of Bidders.....	1
3. Addendum	1
4. Substitution of Materials	1
5. Set-Aside Program	2
6. Bid Preparation.....	2
7. Taxes	2
8. Bid Modification or Withdrawal	3
9. Public Records and Requests for Confidential Treatment	3
General Conditions	
ARTICLE I – CONTRACT DOCUMENTS	
1.1 Definition of Terms	1
1.2 Ownership of Plans, Specifications and Surveys.....	2
1.3 Dimensions on Plans.....	2
1.4 Intent of Contract Documents.....	2
ARTICLE II – DISTRICT RIGHTS AND RESPONSIBILITIES	
2.1 Responsibility	4
2.2 Authority of Project Manager.....	4
2.3 Authority of Inspectors.....	4
2.4 Forest Preserve's Right to Do Work.....	4
2.5 Alterations, Extensions and Deductions.....	4
2.6 Right to Suspend Work	5
2.7 Occupancy Prior to Final Acceptance	5
2.8 Discharge of Employees	5
2.9 Contract Termination by District.....	5
ARTICLE III – CONTRACTOR'S RESPONSIBILITIES	
3.1 Contractor Responsibilities to Project Manager	6
3.2 Contract Termination by Contractor	6
3.3 Superintendence	6
3.4 Subcontractors and Suppliers	6
3.5 Use of Site	6

Section	Page
ARTICLE III – CONTRACTOR'S RESPONSIBILITIES (Continued)	
3.6 Work Site Safety.....	7
3.7 Labor, Equipment and Methods	8
3.8 Overtime	8
ARTICLE IV – PROSECUTION AND PROGRESS	
4.1 Inspection and Testing	9
4.2 Submittals.....	9
4.3 Removal of Defective Work.....	9
4.4 Completion Date.....	9
4.5 Construction Schedules and Meetings.....	10
4.6 Cleaning Up.....	10
4.7 Correction of Work After Final Payment.....	10
ARTICLE V – PAYMENT	
5.1 Contract Breakdown.....	11
5.2 Payment	11
ARTICLE VI – FINANCIAL ASSURANCES	
6.1 Bonding	12
6.2 Guarantee.....	12
6.3 Insurance.....	12
ARTICLE VII – LEGAL REQUIREMENTS	
7.1 Indemnification	13
7.2 Laws and Permits.....	13
7.3 Fair Employment Practices	13
7.4 Prevailing Wage Act.....	13
7.5 Employment of Illinois Workers.....	14
7.6 Substance Abuse Prevention	15
ARTICLE VIII – MISCELLANEOUS PROVISIONS	
8.1 Freedom of Information Act.....	16
8.2 Audit/Retention of Records	16
8.3 Assignment.....	16
8.4 Amendments	16
8.5 Governing Law	16
8.6 Severability	16
8.7 Exhibit A Special Use Permit Application.....	17-18
8.8 Exhibit B Equal Employment Opportunity Clause.....	19-20
Technical Specifications	
01000 General Requirements.....	2
01400 Quality Control	4
02009 Temporary Controls	9
02050 Demolition	11
02100 Grubbing, Tree, Brush And Debris Removal	13
02200 Earthwork.....	16
02205 Grading And Shaping Ditches	19
02270 Erosion Control	21
02511 Hot-Mix Asphalt Surface Course	23
02513 Hot-Mix Asphalt Binder Course	26
02520 Portland Cement Concrete Surface And Detectable Warnings.....	28
02580 Pavement Marking.....	30
02720 Storm Sewer	32
02870 Site Furnishings	35
02910 Plant Material	37
02918 Root Control.....	38
02920 Seeding.....	41
02961 Topsoil	43

Proposal Form

1. Project Identification	1
2. Bid Opening	1
3. References	1
4. Contract Document Checklist	2
5. Acknowledgements	2
6. Subcontractors.....	4
7. Price Schedule.....	5
8. Contractor Information.....	7

Invitation for Bids

1. Project Identification and Location:

Old Plank Road Trail Pavement Rehabilitation:

This project is located on the Old Plank Road Trail the section, managed by the Forest Preserve, from Schoolhouse Road in New Lenox, IL to Washington Street in Joliet, IL (approximately 7.1 miles).

2. Owner/Awarding Authority:

Board of Commissioners
Forest Preserve District of Will County
17540 W. Laraway Road
Joliet, IL 60433
(815) 727-8700

3. Pre-Bid Meeting:

No Pre-Bid Meeting will be held for the Old Plank Road Trail Pavement Rehabilitation project.

4. Bid Submission & Security:

Bids shall be submitted to the Forest Preserve District of Will County, 17540 W. Laraway Road, Joliet, Illinois 60433, in a sealed opaque envelope. The outside of the envelope shall display the phrases "SEALED BID ENCLOSED – DO NOT OPEN along with the project title and location in clearly printed letters.

The Forest Preserve will receive Bids until the date and time stated in the ADVERTISEMENT FOR BIDS. Bids will be publicly opened and read at the Sugar Creek Administration Center at that time. Bidder shall assume full responsibility for timely delivery to the Bid Opening location. Bids received after the stated time shall be rejected and returned.

The bid submitted shall include a certified check, bank draft, cashier's check, bid bond or an acceptable irrevocable letter of credit payable to the Forest Preserve District of Will County for not less than 10% of total Bid amount. All such Bid Security must be drawn on a bank authorized to do business in Illinois or provided by a bonding company authorized and licensed to do business in Illinois, as applicable, and must be maintained until execution of the Contract. Bids submitted without Bid Security will not be considered. The Bid Security will be returned to the successful Bidder upon execution of the Contract. Bid securities will be returned to unsuccessful Bidders upon execution of the Contract by the successful Bidder.

5. Bonds & Insurance:

A. Bonds

The successful Bidder shall submit a Performance Bond and a Labor and Material Payment Bond as outlined in the General Conditions, Article VI, Section 6.1. The performance and payment bonds shall be provided by a bonding company authorized and licensed to do business in Illinois.

B. Certificate of Insurance

The successful Bidder shall submit a Certificate of Insurance as evidence of the minimum insurance coverage and limits outlined in the General Conditions, Article VI, Section 6.3.

6. Right to Reject or Accept Bids:

The Forest Preserve reserves the right to accept any Bid, any part or combinations of Bids, to waive informalities or irregularities, and to reject any and all Bids to protect and preserve both the Forest Preserve and the public's best interest.

It is the Forest Preserve's intent to award a Contract to the responsible and responsive Bidder submitting the lowest bid provided the Bid does not exceed available funds and has been submitted according to Contract Document requirements. The Forest Preserve reserves the right to accept Alternates in any

order or combination and to determine the low Bidder on the basis of the sum of the base bid and the Alternates accepted.

7. Award of Contract:

Bids cannot be withdrawn for a period of sixty (60) days after bid opening. Bids will be reviewed by the Forest Preserve and presented to the Board of Commissioners for Award of Contract at their regular board meeting on July 10, 2025. The Forest Preserve will issue a written Notice of Contract Award to the successful Bidder.

8. Execution of Contract:

The successful Bidder will be required to execute a Contract with the Forest Preserve within 10 business days after receipt of the written Notice of Contract Award. Execution of the Contract shall include each of the following:

- A. Signing the Contract Agreement
- B. Submittal of a Performance, Material, and Payment Bond
- C. Submittal of a Certificate of Insurance
- D. Submittal of a Construction Schedule

The Forest Preserve will issue a written Notice to Proceed upon Execution of the Contract. The Bid Security of the successful Bidder will be forfeited to the Forest Preserve as liquidated damages, not as penalty, when the successful Bidder fails to execute any part of the Contract within the specified time. The Forest Preserve reserves the option to accept any other Bid within 10 business days from such default. Such acceptance shall have the same effect on such Bidder as though he were the original successful Bidder.

9. Commencement and Completion of the Work:

Work shall begin within 10 business days of receipt of the written Notice to Proceed. Work shall be completed in accordance with the Contract Documents by November 30, 2025, as provided in the General Conditions, Article IV, Section 4.4.

10. Reasonable Accommodation & Non-Discrimination:

The Forest Preserve District of Will County does not discriminate against individuals on the basis of race, religion, color, gender, national origin, ancestry, age, order of protection status, marital status, military status, unfavorable discharge from military service, pregnancy, sexual orientation, disability, or any other protected status under the Illinois Human Rights Act. In offering employment opportunities to the public, the Forest Preserve District will make reasonable modifications to ensure that all people have an equal opportunity. Persons believing that they have been discriminated against by the Forest Preserve District of Will County may file a complaint alleging discrimination with the Forest Preserve District or the Office of Civil Rights, U.S. Department of the Interior, www.doi.gov.

To request bid documents in large print, audio, or Braille, contact the Director of Marketing and Communications, Sugar Creek Administration Center, 17540 W. Laraway Road, Joliet, IL 60433; comments@fpdwc.org; 815.722.9383 (voice); 800.526.0844 (TDD). Requests should be made at least 48 hours in advance of the Pre-Bid Meeting. While the Forest Preserve District of Will County will make every effort to meet requests in a timely fashion, some requests may take longer than others to fulfill.

11. Small Business Enterprise Initiative:

The Forest Preserve is committed to supporting "Small Businesses", "Minority Business Enterprises", "Female Business Enterprises", and "Persons with Disabilities Enterprises," as those terms are defined under Illinois law. The Forest Preserve has set a goal to secure up to 16% of the contracted amount for contracted services and improvement projects to such disadvantaged businesses. Such businesses are strongly encouraged to bid on Forest Preserve contracts.

Instructions to Bidders

1. Examination of Contract Documents and Project Site:

Bidder shall be familiar with the Contract Documents and local conditions affecting the Work including project site and surrounding area, means of access, soil and subsoil character, and regulations and restrictions. Bidder shall be responsible for errors in the Proposal due to failure to comply with these instructions. The Forest Preserve will not be responsible for any change in anticipated profits resulting from such failure or neglect.

Bidder shall use complete sets of Contract Documents as provided in the Proposal Form checklist, Section 4, in preparing Bids. The Forest Preserve will not be responsible for errors or misinterpretations resulting from the use of incomplete sets of Contract Documents. When Bidder is in doubt as to the true meaning of any part of the Contract Documents, such Bidder shall submit a written request for interpretation by the Forest Preserve.

Bidder shall review Contract Documents with respect to the projected uses of materials and advise of modifications or substitutions to insure applicability for the intended uses.

2. Qualifications of Bidders:

As set forth in Section 5.6 of the Forest Preserve's Procurement Ordinance, prior to the Award of Contract, the Forest Preserve reserves the right to require from any Bidder or Bidder's subcontractor detailed information related to the responsibility of the Bidder or Bidder's subcontractor, including experience, financial ability, quality and timeliness of work, amount and condition of equipment, experience of personnel, contract defaults, litigation history, pending construction projects, and any other information the Forest Preserve deems relevant to assessing such responsibility.

The Forest Preserve reserves the right to reject any Bid when the information submitted by the Bidder or determined by the Forest Preserve's investigation fails to indicate the Bidder's ability to carry out the obligations of the Contract or to complete the Work. Unless otherwise provided by Forest Preserve rules, regulations, or policies, the decision of the Forest Preserve shall be final in this regard.

3. Addendum:

Addenda shall be issued to all known Contract Document recipients for any change or clarification of the Contract Documents. Bidder shall acknowledge receipt of Addendum on Proposal Form and attach Addendum to Proposal Form. Addendum shall become part of the Contract Documents.

Written or graphic Addenda will be issued no later than 24 hours prior to Bid Opening. When Project Manager determines the Addendum would result in a substantial or material variance in the proposed Contract, Bids will be returned and the project rebid.

4. Substitution of Materials:

No substitution will be considered prior to receipt of Bids unless written request for approval has been received by the Forest Preserve at least 5 business days prior to Bid Opening. Requests shall be made on Request for Substitution forms provided by Project Manager.

Burden of proof of the merit of the substitution is upon Bidder. The Forest Preserve's decision for approval or disapproval of a proposed substitution shall be final. If the Forest Preserve approves a proposed substitution, it shall notify all other Bidders at least 48 hours prior to Bid Opening. No substitution will be considered after the Contract award unless specifically provided in Contract Documents.

5. Small Business Enterprise Initiative:

Capital improvement projects and contracted services sponsored or funded by the Forest Preserve shall be in accordance with Resolution #11-27. The resolution stipulates that:

- A. The Forest Preserve has set a goal to secure up to 16% of the contracted amount for contracted services and improvement projects to disadvantaged businesses.
- B. The Forest Preserve's Small Business Enterprise Initiative will apply to businesses defined by the State of Illinois as "Small Business", "Minority Business Enterprise", "Female Business Enterprise", and "Persons with Disabilities Enterprise". Such businesses are strongly encouraged to bid on Forest Preserve contracts.
- C. Businesses qualifying under the Forest Preserve's Small Business Enterprise Initiative will indicate such on the Proposal Form contained herein at the time of bidding.
- D. In the interest of taxpayers, each contract will be awarded to the lowest responsive and responsible bidder. In the event the lowest responsive bidder is also a business qualifying under the Forest Preserve's Small Business Enterprise Initiative, the bidder will be required to provide proof of such qualification at the time the contract is awarded.

6. Bid Preparation:

Bidder shall submit proposal on the Proposal Form provided in the Contract Documents. Writing shall be in ink or typewritten. Bidders' signature shall be written in ink. Proposals shall be signed by a person or persons legally qualified to sign such documents. When signed by someone other than the president of a corporation, an agent, or an attorney-in-fact, the authority of that person to sign shall accompany Bid.

Proposal will be based on Unit Price or Lump Sum as specified and shall conform to the following:

- A. UNIT PRICE: Bidders will be furnished with a unit price Proposal Form stating the items of work and the quantities. The quantities are estimations based on the Forest Preserve's calculations to be used by the Forest Preserve in the comparison of bids and shall not be relied upon by Bidders. Bidder shall not plead misunderstanding or deception because of such estimate of quantities, or of the character, location, or other conditions pertaining to the work. Bidders shall determine their own estimate of quantities required to complete the work and base their unit price proposal on their estimate. Payment will be based on actual quantities of work performed in accordance with the Contract, at the Contract unit prices specified. Any change in the Bidder's anticipated profits due to an increase or decrease of the original quantity estimates will not be a basis for modifying the contract. The Forest Preserve reserves the right to omit any item entirely, or to increase or decrease any or all items as provided in the General Conditions Article II, Section 2.5.
- B. LUMP SUM BID: Bidder shall submit a Lump Sum price for the item or items being bid.

Bidder shall specify, in figures, a price for each separate item called for on the Proposal Form. Failure to submit a price for each item on Proposal Form may result in rejection of Bid or may be interpreted as "no charge" to the Forest Preserve for any item left blank.

Where indicated, sums shall be expressed in both figures and words. The amount written in words shall govern in case of discrepancy between the two. Amounts shall be extended and totaled. In case of a discrepancy between totals and unit prices, unit prices shall govern. Signer of the Bid shall initial erasures or modifications on Proposal Form.

7. Taxes:

Bidder shall not include in the Proposal any state, local sales, use, or excise taxes, as the Forest Preserve is exempt from such taxation. The successful Bidder will be provided with tax exemption identification when necessary.

8. Bid Modification or Withdrawal:

Submitted bids may not be modified prior to bid opening. Bids may be withdrawn by written request to the Forest Preserve but may not be resubmitted before Bid Opening. Bids shall not be withdrawn or modified within sixty (60) days after Bid Opening.

9. Public Records and Requests for Confidential Treatment:

Bids become the property of the Forest Preserve. After bid opening, all bids will be available to the public under the Illinois Freedom of Information Act ("FOIA"), 5 ILCS 140, and other applicable laws and rules. If the Bidder wants certain information treated as confidential, it must designate such material in its bid. However, a request for confidential treatment will not supersede the Forest Preserve's FOIA obligations. An entire bid will not be treated as confidential, and the Forest Preserve will always disclose at least the Bidder's name, price, and substance of the bid. A Bidder's request for confidential treatment must be supported by the legal basis in FOIA or other law or rule that warrants the confidential treatment.

General Conditions

ARTICLE I **Contract Documents**

1.1 - Definition of Terms:

When the following terms, or pronouns of them, are used in the Contract Documents, the intent and meaning shall be interpreted as follows:

- A. Owner or Awarding Authority: Board of Commissioners Forest Preserve District of Will County, 17540 W. Laraway Road, Joliet, Illinois 60433.
- B. Forest Preserve: The Forest Preserve District of Will County.
- C. Inspector: Authorized representative of the Forest Preserve assigned to make detailed inspections of portions of the Work including materials approval or rejections, invoice records, payrolls and other relevant data and records. Inspections shall occur according to the schedule attached as an appendix to the Contract Documents.
- D. Project Manager: Individual identified in the Notice of Contract Award or any other designated employee or employees of the Forest Preserve District of Will County, representing the interest of the Forest Preserve.
- E. Bidder: Individual, firm, or corporation submitting a proposal for the Work, acting directly or through a duly authorized representative.
- F. Contractor: Individual, firm, or corporation to whom an award is made and who is identified in the Contract as the person responsible for completion of the Work. Every reference in the Contract to "Contractor" shall be deemed also to refer to subcontractors and suppliers of Contractor.
- G. Subcontractor: Individual, firm, or corporation who has a direct contract with Contractor to perform any portion of the Work.
- H. Corporation: With respect to the execution and performance of the Contract, a corporate body authorized or licensed to do business in the state in which the site is located.
- I. Plans: Official drawings or reproductions of drawings pertaining to the Work.
- J. Specifications: Directions, conditions, and requirements describing the method or manner of work performance, and quantities or quality of materials to be furnished under the Contract.
- K. Proposal: Bidder's written offer to perform the Work and to furnish labor and materials at the quoted prices.
- L. Performance Bond: Surety bond posted by a Contractor to ensure performance of the contract.
- M. Bid Security: Security designated in the Invitation for Bids, to be furnished by Bidder as a guarantee that Bidder will enter into a Contract with the Forest Preserve for the acceptable performance of the Work and will furnish the required bonds if awarded the Contract.
- N. Surety: Corporate body, approved by the Forest Preserve, bound with and for Contractor to ensure acceptable performance of the Contract, payment of all obligations pertaining to the Work, and fulfillment of other conditions as may be specified in the Contract Documents or otherwise required by law.
- O. Award: Decision of the Forest Preserve to accept the Proposal or portions of one or more Proposals of a responsive and responsible Bidder that are in the best interest of the Forest Preserve and public. Acceptance is conditioned upon Execution of the Contract as outlined in the Invitation to Bidders.

- P. Contract Documents: Written agreement between Contractor and the Forest Preserve setting forth obligations of the parties, including but not limited to the performance of the Work and furnishing of labor and materials. The Contract includes the signed Agreement, Advertisement for Bids, Invitation for Bids, Instructions to Bidders, Proposal, Addenda or Memorandums, Bonds, Certificate of Insurance, Construction Schedule, Plans, Specifications, Supplemental Agreements, General Conditions, Special Conditions, and Technical Specifications pertaining to the Work or materials.
- Q. Approved Substitution: When used on the drawings or in the specifications in reference to a material, product or procedure shall mean a substitute equivalent in substance and function to specified items.
- R. Special Conditions: When included in the Contract Documents shall act to supplement the General Conditions, specifications, and plans on particular portions of the project. Special Conditions shall govern the Contract Documents in case of conflict.
- S. Punch List: Itemized list of Work issued by Project Manager to be completed by Contractor. Punch List is submitted after the Work is substantially complete.
- T. Substantial Completion: Date when construction is sufficiently completed on the project or a portion of the project, in accordance with the Contract Documents, so that the Forest Preserve may use or occupy the site for which it was intended.
- U. The Work: Improvements to be performed under the Contract, including materials, labor, tools, and equipment necessary to perform and complete everything indicated, specified, or implied in the Contract Documents.
- V. Change Order: Written authorization issued by Project Manager for Contractor to proceed with alterations, extensions, and deductions to the original plans. Authorization shall outline the items of work involved and the method of payment.
- W. Notice to Proceed: Written authorization issued by Project Manager for Contractor to commence the Work after Execution of the Contract.
- X. Working Day: Computation of working days shall begin within ten (10) days of the Notice to Proceed for commencing work and shall include every day until the completion of the Work except Saturdays, Sundays, legal holidays, and days during which the Work is suspended for strikes or acts of nature or the public enemy. No construction operations shall occur on Saturdays, Sundays, or holidays without written approval of the Project Manager. Days in which the weather will not permit the Contractor to perform construction operations shall not be counted as working days.

1.2 - Ownership of Plans, Specifications and Surveys:

All Plans, Specifications, and Surveys and copies thereof furnished by or purchased from the Forest Preserve are property of the Forest Preserve and are not to be used on other work. With the exception of one complete set, all documents are to be returned to the Forest Preserve upon Contract completion.

1.3 - Dimensions on Plans:

Drawings are fully figured and dimensioned. Figures shall be followed without regard to scaled measurement from plans. When figures have been omitted, or when a marked discrepancy exists between figures and scale, the question shall be referred to the Project Manager for a final decision or interpretation.

1.4 - Intent of Contract Documents:

The Contract Documents are intended to include all items necessary to complete the Work. Contractor shall perform the Work and incidental construction in the manner specified in the Contract and shall furnish all materials, labor, tools, equipment, and incidentals necessary to complete the Work. When through inadvertence or otherwise, the Contract Documents omit to require any work necessary for completion, Contractor shall be required to perform such work. Plans and specifications are intended to be complimentary. Work or materials called for by one shall be binding as if called for by all.

When information concerning underground, subsurface, or other concealed conditions, borings, soil analysis, utility locations or conditions, test pits, buried structures, condition of existing structures, and other investigations have been provided by the Forest Preserve to Contractor such information has been made available for Contractor's convenience and is not part of the Contract. The Forest Preserve shall not be responsible for the accuracy of such information. The Contractor shall not interpret such information as a guarantee by the Forest Preserve, either express or implied, that indicated conditions are representative of those existing throughout the Work, or at any particular location, or that the indicated condition may not change or that unanticipated conditions may not be present. The Contractor is responsible for its familiarity with the Work site and all relevant site conditions.

Contractor shall notify Project Manager of discrepancies, errors, or omissions in the Contract Documents before proceeding with the affected work. When Contractor fails to notify Project Manager, then the subsequent decision of Project Manager as to which Contract provision shall govern shall be final. Corrective work required by the Project Manager shall not entitle Contractor to damages, increase in Contract price, or extension of Contract time.

The Forest Preserve reserves the right to prepare supplementary plans showing any additional or revised details for construction purposes not shown on the Contract plans.

ARTICLE II

Forest Preserve Rights and Responsibilities

2.1 - Responsibility:

The Forest Preserve recognizes that the Contractor is an expert in the manner in which the Contract work is to be performed. Contractor shall be solely responsible for the maintenance of safe equipment and use of proper construction methods and procedures. The Forest Preserve has the right to ascertain and require that the Work product comply with the Contract as provided in the General Conditions, Article III, Section 3.6.

2.2 - Authority of Project Manager:

Work shall be subject at all times to the supervision and direction of the Project Manager or any other designated employee of the Forest Preserve. Project Manager shall determine the amount of completed work that is to be paid for under the Contract. Project Manager shall decide all questions concerning the quality and acceptability of furnished materials, work performed, rate of progress, measurement of quantities, interpretation of the plans and specifications, and acceptable fulfillment of the Contract. Project Manager's determination and decision shall be final and conclusive.

Contractor shall propose and discuss the Work schedule with the Project Manager and shall take into account the needs of the Forest Preserve and requirements of the Contract in scheduling the Work. Contractor remains solely responsible for its performance of the Contract and the completion of the Work.

2.3 - Authority of Inspectors:

Inspectors employed by the Forest Preserve other than Project Manager shall be authorized to inspect work and materials and to perform other duties designated by Project Manager. The inspector shall not be authorized to alter or waive Contract provisions, issue instructions contrary to the Contract Documents, or act as foreman for Contractor.

2.4 – Forest Preserve's Right to Do Work:

The Forest Preserve reserves the right to perform or have performed other work at the project site. Contractor shall afford the Forest Preserve and other contractors reasonable opportunity for the execution of other work and shall properly coordinate the Work with other work.

When Contractor fails to perform work or any provision of the Contract, the Forest Preserve, after three (3) business days written notice to Contractor and surety, may without prejudice to any other remedy, execute or have such work executed as may be deemed necessary and recover from Contractor all resulting costs, expenses, losses, or damages, including attorney's fees and administrative expenses.

2.5 - Alterations, Extensions and Deductions:

The Forest Preserve reserves the right to extend or shorten the Work, alter the plans, add incidental work, and increase or decrease quantities of work to be performed to accord with these changes, including the cancellation or deduction of any one or more of the work items. Changes shall not be considered as a waiver of Contract conditions. The Forest Preserve reserves the right to make alterations, extensions, and deductions to the Contract without notice to the Surety.

Alterations, extensions, and deductions shall be authorized by a written change order issued by Project Manager and signed by Contractor before work is started. Change orders shall state the items of work involved, changes in Contract amount, and any extension in completion time. Claims for extra work which have not been authorized by a written change order will be rejected. All change orders will be subject to the approval procedures set forth in the Forest Preserve's Procurement Ordinance.

Should a change order result in an increase from the original Contract price that is fifty percent (50%) or more of the original Contract price or that authorizes or necessitates any increase in the Contract or a subcontract under the Contract that is fifty percent (50%) or more of the original or subcontract price, then that portion of the Contract that is covered by that change order must be resubmitted for bidding in the same order that the original Contract was bid.

The value of any change shall be determined by one or more of the following methods:

By an approved Lump Sum.

By Unit Prices given in the Contract or subsequently agreed upon.

By a supplemental schedule of prices incorporated into the Contract.

Time and material plus percentage. This method of cost shall be used on Contractor's actual costs for time and material plus twenty percent (20%) for Contractor's overhead and profit. Contractor's actual costs shall be the direct costs for labor, payroll insurance, payroll taxes, materials, and equipment.

2.6 - Right to Suspend Work:

Contractor will be notified in writing by Project Manager when the Work is to be suspended wholly or in part for such periods deemed necessary due to unsuitable weather, other conditions unsuitable for the prosecution of the Work, any condition deemed to be in the public's best interest, failure of Contractor to carry out provisions of the Contract, or failure of the Contractor to carry out orders. Contractor shall maintain work site safety and protect the Work as provided in the General Conditions, Article III, Section 3.6, during periods of suspension. No additional compensation shall be paid to Contractor because of such suspension. Contractor shall not suspend the Work without written authorization of Project Manager.

2.7 - Occupancy Prior to Final Acceptance:

The Forest Preserve reserves the right to occupy any part of the Work prior to final acceptance. Such occupancy shall be conducted in a manner as not to damage the Work or to interfere with the Work progress. Occupancy shall not be construed as an acceptance of the Work or release of Contractor's responsibilities to protect the Work.

2.8 - Discharge of Employees:

When any person employed by Contractor fails to perform the Work according to the Contract, appears to be incompetent, or exhibits disorderly conduct or improper manner, such person shall be immediately removed from the Work on written request of Project Manager. Contractor shall have no claim for damages, for compensation in excess of the Contract price, or for extension of time as a result of such termination.

Should Contractor fail to remove such person or persons as required above, or fail to furnish suitable and sufficient personnel for the proper prosecution of the Work, Project Manager may suspend the Work as provided in the General Conditions, Article II, Section 2.6.

2.9 - Contract Termination by Forest Preserve:

The Forest Preserve may terminate the Contract—upon certification of the Project Manager that sufficient cause exists to justify such action and without prejudice to any other available right or remedy—if any of the following occurs: the Contractor (1) files for bankruptcy, (2) makes a general assignment for the benefit of creditors, (3) appoints a receiver on account of his/her insolvency, fails to supply enough properly skilled workmen or proper materials, or fails to make prompt payment to subcontractors or for materials or labor, or (6) disregards laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction, (7) fails to fix any rejected, defective or unsuitable work, (8) fails to perform the Work in conformance with the plans and specifications or otherwise fails to assure the Forest Preserve of its ability to complete the Work, or (9) substantially violates a provision of the Contract.

If the Forest Preserve elects to terminate the Contract, it shall give Contractor and surety 48 hours written notice and then may take possession of the site and may finish the Work by whatever method the Forest Preserve deems expedient. In such case, Contractor shall not be entitled to receive further payment until the Work is finished. When the unpaid balance of the Contract price exceeds the expense incurred by the Forest Preserve to finish the Work, such excess shall be paid to Contractor. When the expense incurred by the Forest Preserve to finish the Work exceeds such unpaid balance, Contractor shall pay the difference to the Forest Preserve.

ARTICLE III

Contractor Responsibilities

3.1 - Contractor Responsibilities to Project Manager:

Contractor shall notify Project Manager, in writing, a minimum of three (3) business days in advance of beginning the Work. Contractor shall notify Project Manager one (1) business day in advance of all grading, drainage, and other major items of construction for field checking of construction engineering. Questions pertaining to the plans, specifications, and details of the Work shall be directed to Project Manager in writing and resolved by the Project Manager prior to construction.

Copies of material delivery tickets shall be furnished to Project Manager.

Contractor shall make available at the work site, for reference by Project Manager or inspector, a complete copy of Contract Documents showing revisions, additions, and copies of change orders.

3.2 - Contract Termination by Contractor:

When the Work is stopped for a period of thirty (30) calendar days due to a court order, an order of another public authority having jurisdiction, or some other government act (all unrelated to the Contractor or its performance of the Work) or because the Forest Preserve has not made payment when such payment is required under the General Conditions, Article V, Section 5.2, Contractor may terminate the Contract upon seven (7) calendar days written notice to the Forest Preserve. Contractor shall recover from the Forest Preserve payment for executed work and for proven loss sustained upon materials, equipment, tools, construction equipment, and machinery, including reasonable profit and damages.

3.3 - Superintendence:

Contractor shall keep a competent Superintendent at the work site at all times who shall have the knowledge and control of the Work and the authority to act for the Contractor and to direct and coordinate the Work, and who shall communicate solely with the Project Manager.

3.4 - Subcontractors and Suppliers:

Contractor shall provide a list of subcontractors and suppliers to Project Manager for approval prior to commencing the Work. Subcontracts shall include a provision binding the subcontractor or supplier to all provisions of the Contract. When any subcontractor or supplier fails to perform the Work in accordance with the Contract, Contractor shall terminate such subcontractor or supplier upon written notice by Project Manager. Contractor shall have no claim for damages, compensation in excess of Contract price, or an extension of Contract time as a result of any such termination.

Contractor shall report to the Forest Preserve whether any subcontractors or suppliers performing Work or providing supplies under this Contract qualify as a "Small Business," "Minority Business Enterprise," "Female Business Enterprise," and "Persons with Disabilities Enterprise," as defined under Illinois law.

3.5 - Use of Site:

Contractor shall confine equipment, material storage, and workmen operations to limits indicated by law, ordinances, permits, or directions of Project Manager, and shall not unreasonably encumber the site with materials or cause inconvenience to the Forest Preserve, public, or other contractors. Contractor's responsibilities for usage of the site shall include:

A. Temporary Facilities:

1. **Utilities:** Contractor shall obtain permits, provide, and make payment for such utilities as water, electricity, heat/air, telephone, and waste disposal when necessary in performing the Work.
2. **Buildings:** Contractor shall obtain permits, provide, and make payment for temporary structures such as offices, sheds, trailers, and sanitary facilities, and necessary maintenance of structures in performing the Work.

B. Construction Aids:

1. Pumping: When during construction, standing water caused by heavy rains or poor drainage becomes a hazard to the Work, Contractor shall provide and make payment for removal of water to existing drainage swales, storm sewers, or other natural or man-made drainageways.
2. Ladders and Hoists: Contractor shall provide the necessary ladders and hoists in performing the Work.
3. Temporary Roads: Contractor shall provide and make payment for temporary roads necessary or access to and within the site during the Work.

C. Storage: Materials and equipment shall be stored in a manner that preserves their quality and fitness for the Work. When necessary, materials and equipment shall be placed under cover, on wooden platforms or other hard, clean surfaces, and not on the ground. Private property shall not be used for storage purposes without written permission from the owner of the property. Location of any storage area is subject to approval of the Project Manager.

D. Parking: Contractor's construction vehicles parked on the site shall not inhibit construction or prevent access for emergency or other official vehicles. Parking areas are subject to Project Manager's approval.

3.6 - Work Site Safety:

Contractor shall be solely responsible for providing and maintaining safe conditions at the work site, including the safety of persons and property and shall comply with applicable laws and safety regulations to prevent injury to persons or damage to property, including all Occupational Safety and Health Administration (OSHA) laws and regulations. This requirement shall apply continuously and shall not be limited to normal working hours. Whenever public or private property is damaged, Contractor shall at his/her own expense, restore such property to a condition equal to that existing before the damage was done. Contractor shall also be responsible for damage to the Work by actions of the elements or from any other cause whatsoever and shall restore the Work at his/her own expense. When the Work is opened for usage by written order of the Project Manager, the said damage to the Work shall not be due to the Contractor's fault or negligence.

Contractor shall have no claim against the Forest Preserve because of any damage or loss to the Work or to Contractor's equipment, materials or supplies from any cause, including damage or loss due to simultaneous work by others. Existing property corners, disturbed or lost during construction, shall be replaced by a registered Land Surveyor at Contractor's expense.

When Project Manager deems any operation, condition, or practice to be unsafe, Contractor shall take corrective action before affected work is resumed. More specifically, the Contractor shall protect:

A. Public and Adjacent Property: Contractor shall protect public and adjacent properties, including roadways, and shall use necessary precautions to prevent damage or injury thereto.

B. Present Structures: Contractor shall prevent damage to pipes, conduits, and other underground structures, as well as fences, monuments, or other above-ground structures.

C. Vegetation: Vegetation not marked for removal shall not be cut trimmed or damaged except with the approval and under the direction of Project Manager. Contractor shall provide on-site traffic patterns away from existing vegetation, shall provide necessary ramps, and shall not park vehicles near or under existing vegetation. Methods for ramps, staking, bark protection, and snow fencing shall be developed by Contractor and approved by Project Manager prior to commencing the Work. Contractor shall not park or maneuver equipment or stockpile materials within ten (10) feet of tree drip lines or plants to be protected. Vegetation damaged during construction is subject to replacement at Contractor's expense.

D. Forest Preserve Employees and Public: Contractor shall protect Forest Preserve employees and the public by, including but not limited to, placing and maintaining barricades, warning signs, flags, lights, and temporary passageways around construction areas, covering holes, properly storing materials and equipment, and providing other suitable methods for the protection of said persons.

3.7 - Labor, Equipment, and Methods:

Contractor shall at all times employ sufficient labor and equipment for prosecuting the Work in a quality manner within the time specified. Workers shall have sufficient experience and skill to properly perform the Work and operate the equipment.

Equipment used on the Work shall be of such type, size, and amount and in such mechanical condition as to meet the requirements of the Work and produce a satisfactory quality of work. Contractor shall replace unsatisfactory equipment and furnish additional equipment when deemed necessary by Project Manager.

The specified methods and equipment shall be used in the prosecution of the Work unless otherwise authorized by Project Manager. Contractor may make a written request to Project Manager to use a method or type of equipment other than those specified. The request shall include a description of the proposed methods and equipment and an explanation of the reasons for the substitution. When Project Manager authorizes trial use of the substitution, Contractor shall be responsible for producing the work in conformance with the Contract. When Project Manager determines that the trial method or equipment does not conform to the Contract requirements, Contractor shall discontinue use of the substitute method or equipment and shall complete the remaining work with the specified methods or equipment. Contractor shall remove defective work and replace it with work meeting the Contract requirements or take other corrective action as necessary to meet the Contract requirements. The Contractor will not be entitled to any increase in payment or extension of Contract time as a result of the Project Manager authorizing a change in methods or equipment under these provisions.

3.8 - Overtime:

Any overtime costs shall be incurred by the Contractor.

ARTICLE IV Prosecution and Progress

4.1 - Inspection and Testing:

Materials and equipment to be used in the Work shall be subject at all times during fabrication and manufacture to tests and inspections as specified or designated by Project Manager. Contractor shall give advance notice to permit tests or inspections to be performed prior to incorporating materials or equipment into the Work. Without charge to the Forest Preserve, Contractor shall furnish such amounts of materials needed for testing and shall afford the inspector such facilities required for collecting samples and making inspections. Unless otherwise specified, the Forest Preserve will bear the cost of inspections and testing of materials.

4.2 - Submittals:

Contractor shall submit to Project Manager required shop drawings, product data, and samples concerning materials and equipment. Project Manager's review and approval of required submittal shall be for the sole purpose of examining the general details and design of the proposed work and shall not be regarded as an assumption of risk or liability by the Forest Preserve. Equipment and materials installed or used without such review shall be at risk of rejection and replacement by Contractor at no cost to the Forest Preserve. Submittals shall become part of the Contract Documents. Contractor shall be responsible for any delay in the Work due to a delay in providing required submittals.

Unless otherwise specified, equipment and materials are to be new and of best quality. Materials, equipment, or work having a well-known, technical, or trade meaning but not specifically defined in the Contract Documents, shall be construed in accordance with such well known meaning recognized by Architects, Engineers, and tradesmen.

4.3 - Removal of Defective Work:

Project Manager may reject and require correction of the Work that does not conform to the Contract Documents. Contractor shall correct condemned workmanship and immediately remove and replace rejected materials and equipment without charge to the Forest Preserve. When Contractor fails to correct condemned work and remove rejected materials and equipment from the premises, the Forest Preserve reserves the right to perform such work as provided in the General Conditions, Article II, Section 2.4.

Until final payment, all Work shall be subject to inspection and testing by the Forest Preserve or its designated representative, including removing or uncovering finished work. Contractor shall provide access and assistance required by the Forest Preserve for such inspection and testing and shall furnish necessary facilities, labor, and materials for such removal and approved replacement.

When questioned work is found to be defective due to fault of Contractor, subcontractor, suppliers, or their employees, Contractor shall pay for the cost of such inspection and reconstruction. When questioned work is found to meet Contract requirements, actual cost of labor and materials involved in inspection and reconstruction, plus twenty percent (20%) shall be allowed Contractor by the Forest Preserve.

4.4 - Completion Date:

Contractor warrants that the commencement and completion dates specified in the Invitation for Bids is reasonable time for completion of the Work for the Contract price taking into consideration natural and man-made conditions that may affect the Work or work site.

A. Request for Extension: Requests for extension of time to complete shall be made in writing to Project Manager not more than five (5) calendar days after commencement of the delay. Project Manager shall review the request and the circumstances surrounding the request and shall issue a written extension of time to complete when so warranted.

B. Compensation: No compensation other than the extension of the Contract time, shall be made to Contractor because of delays from any cause in the commencement, prosecution, or completion of the Work, whether caused by the Forest Preserve or any other party and whether avoidable or unavoidable.

C. Liquidated Damages: Time is of the essence to the contract. Should the Contractor fail to complete the work by the completion date specified in the Invitation for Bids or within such extended time as may have been allowed, the Contractor shall be liable and shall pay to the Forest Preserve the amount shown in the following schedule of deductions, not as a penalty but as liquidated damages, for each day of overrun in the contract time or such extended time as may have been allowed. The liquidated damages for failure to complete the contract on time are approximate, due to the impracticality of calculating and proving actual delay costs. This schedule of deductions establishes the cost of delay to account for administration, engineering, inspection, and supervision during periods of extended and delayed performance. The Contractor agrees that the costs of delay represented by this schedule are understood to be a fair and reasonable estimate of the costs that will be borne by the Forest Preserve during extended and delayed performance by the Contractor of the work, remaining incidental work, correction of work improperly completed, or repair of work damaged as a result of the Contractor. The liquidated damage amount specified will accrue and be assessed until final completion of the total Work of the contract even though the Work may be substantially complete. The Forest Preserve will deduct these liquidated damages from any monies due or to become due to the Contractor from the Forest Preserve. The liquidated damages shall be in addition to and not in lieu of any other rights and remedies the Forest Preserve has under the Contract for the Contractor's failure to timely perform.

Schedule of Deductions for Each Day of Overrun in Contract Time		
Original Contract Amount		Daily Charges
From More Than	To and Including	Calendar Day
\$ 0	\$ 100,000	\$ 475
100,000	500,000	750
500,000	1,000,000	1,025
1,000,000	3,000,000	1,275
3,000,000	6,000,000	1,425
6,000,000	12,000,000	2,300
12,000,000	And over	6,775

4.5 - Construction Schedules and Meetings:

Contractor shall submit construction schedules and attend project meetings as outlined below and specified by the Project Manager.

A. Pre-Construction Meeting: After issuance of the Notice to Proceed and prior to commencing the Work, Contractor and Project Manager shall attend a site meeting to address project components and review the construction schedule.

B. Progress Reports: Contractor shall provide Project Manager weekly progress reports. Variances from the construction schedule shall be explained and discussed with Project Manager for approval.

C. Construction Meetings: Project update meetings shall be scheduled throughout the prosecution of the Work as required by Project Manager or Contractor.

4.6 - Cleaning Up:

Contractor shall keep the project site and adjoining premises free from accumulation of waste material or rubbish caused by his/her employees or work. Upon completion of the Work, Contractor shall remove equipment, rubbish, tools, and surplus materials from the site and adjoining premises. When Contractor fails to do so within five (5) calendar days of a written request by the Project Manager, the Forest Preserve may remove the items and deduct the cost of such removal from Contractor's final payment.

4.7 - Correction of Work After Final Payment:

Partial or final payment of any Contract provision shall not relieve Contractor's responsibility for correcting defects in the Work performed. Contractor shall correct defects as provided in the General Conditions, Article VI, Section 6.2.

ARTICLE V

Payment

5.1 - Contract Breakdown:

Prior to the first request for payment on a lump sum contract, Contractor shall submit a breakdown of the Proposal to Project Manager. The breakdown shall consist of major items and subdivisions of the construction work.

5.2 - Payment:

Contractor may request partial payments based on estimates of work completed. Payment requests shall be submitted to the Project Manager no later than the 20th day of each month. Payment applications shall utilize the latest version of AIA Documents G702 and G703. The estimate shall be a sworn statement of work completed to date. Payment requests shall be submitted directly to the Forest Preserve for approval at the Board of Commissioner's regular meeting on the second Thursday of each month. Failure to submit payment requests by the 20th day of each month will result in a minimum of one- month delay in payment. Contractor acknowledges and accepts that no payment, partial or otherwise, will be made unless Contractor has complied with all provision of the Prevailing Wage Act as detailed in Section 7.4.

A. Amount Due and Retainage: The amount due in each payment request shall be based on the estimate for items of work completed to date and shall be expressed as a percentage of the total. The corresponding cost for each item shall be shown and totaled showing the total cost of work, less ten (10%) percent to be withheld, giving the amount requested for payment. Previous payments and balance to complete shall be shown on pay requests.

B. Partial Payment for Stored Material: Payment requests may be included for materials received and stored properly and safely at the site. Payment, however, shall not relieve Contractor of the responsibility for care, protection, and installation of materials. Restoration of damaged materials shall be Contractor's responsibility.

C. Payment For Items Omitted When Partially Complete: Acceptable materials ordered by Contractor or delivered to the work site prior to the date of its cancellation or alteration by the Project Manager shall be purchased from Contractor by the Forest Preserve at actual cost and shall become Forest Preserve property; or at the option of the Project Manager, the unused acceptable materials shall remain Contractor's property and he/she shall be paid the actual cost for freight, unloading, and hauling costs, less the actual salvage value.

D. Waivers of Lien: Payment requests, including final payment, shall be accompanied by appropriate waivers of lien as acceptable evidence of payment by Contractor of current accounts incurred as part of the Contract. Failure to provide waivers of lien with each payment request shall result in a withholding of payment until waivers are received by the Forest Preserve.

E. Payment Withholding: The Forest Preserve reserves the right to temporarily withhold payment from any pay request submitted by Contractor due to the delay in the progress or completion of the Work, failure of Contractor to document a pay request, inability of Contractor to complete the Work, or any other failure of Contractor to perform the Work in accordance with the Contract Documents.

F. Final Inspection: Project Manager shall make a final inspection of the Work after Contractor notifies the Forest Preserve that the Work is substantially complete. Project Manager shall review the Work and notify Contractor in writing of all Punch List items, if any, to be corrected or completed. Following Contractor's completion of all Punch List work, Project Manager shall provide a written notice of final acceptance to Contractor.

G. Final Payment: Upon completion of the Work in accordance with the Contract Documents and final acceptance by Project Manager, Contractor shall submit final waivers of lien, a final request for payment including the ten (10%) percent withheld, and any issued keys. Final payment shall be made by the Forest Preserve within sixty (60) calendar days after receipt of the above items.

ARTICLE VI

Financial Assurances

6.1 - Bonding:

Contractor shall submit and maintain a Performance Bond and a Labor and Materials Payment Bond for an amount equal to 100% of the Contract. The Surety shall be a corporation licensed to do such business in the State of Illinois and must be acceptable to the Forest Preserve. Bonds shall guarantee the faithful performance of the work in accordance with the Contract, payment of indebtedness incurred for labor and materials, and guaranteed correction of work for a period of one (1) year after final payment. Bonds shall state that the surety waives notice of any change in the terms of the Contract occurring after the execution and delivery of such bonds. Premiums on bonds shall be paid by Contractor. Bonds shall include provisions to guarantee the faithful performance of prevailing wage laws.

If at any time the Forest Preserve becomes dissatisfied with the Surety, or for any other reason such Bonds shall cease to be adequate security for the Forest Preserve, Contractor shall within five (5) calendar days after receiving written notice to do so, substitute acceptable Bonds in such form and sum signed by such other Surety satisfactory to the Forest Preserve, at no cost to the Forest Preserve.

6.2 - Guarantee:

Contractor guarantees that materials, equipment, and workmanship shall be free from defects for a period of one (1) year from the date of completion and final acceptance. Corrective replacement shall be made by Contractor, at no expense to the Forest Preserve, within thirty (30) calendar days after written notification by the Forest Preserve. When Contractor fails to correct any such defects of the Work as provided in this Article, the Forest Preserve reserves the right to correct the Work at the Contractor's expense as provided in the General Conditions, Article II, Section 2.4.

6.3 - Insurance:

Contractor shall furnish the Forest Preserve with a Certificate of Insurance in duplicate within ten (10) calendar days of Award of Contract showing coverage of required insurance. Certificates of Insurance shall be in a form acceptable to the Forest Preserve and shall (1) be signed by the insurance company or authorized agent; (2) certify the name and address of the insured party; (3) describe the work covered by the insurance; (4) display insurance policy numbers; (5) outline limits of policy coverage and expiration date; (6) specifically state the "Forest Preserve District of Will County is additionally named insured under the policy"; and (7) provide certification that the policy will not be modified, amended, changed, cancelled, or terminated without thirty (30) business days prior written notice to the Forest Preserve.

Contractor shall keep the required insurance in force during performance of the Contract. Contractor shall not commence work under the Contract until the required insurance has been obtained and Certificates of Insurance furnished to the Forest Preserve. When an umbrella or excess coverage policy is used, the Forest Preserve reserves the right to require a copy of the entire policy. Insurance shall be in form and substance issued by companies satisfactory to the Forest Preserve, shall provide primary coverage for the Forest Preserve, and shall meet the minimum requirements set forth in the Special Use Permit Application.

ARTICLE VII

Legal Requirements

7.1 - Indemnification:

Contractor shall protect, defend, indemnify, and hold harmless the Forest Preserve, its officers, commissioners, employees, representatives, and agents from and against all claims, actions, suits, judgments, settlements, awards, costs, losses, and expenses, including attorneys' fees and administrative expenses, and liabilities of whatsoever kind or nature arising in whole or in part out of:

- A. Contractor's performance of, or failure to perform, the Work in accordance with the terms of the Contract.
- B. Infringement (actual or claimed) on patents, copyrights, trademarks or trade names by reason of any work performed or to be performed by Contractor under the Contract or by reason of anything to be supplied by Contractor pursuant to the Contract;
- C. Bodily injury, including death, to any person or persons (including Contractor's officers, employees, agents, and servants) or damage to or destruction of property, including the loss of use thereof and any environmental damages:
 - 1) caused in whole or in part by any act, error or omissions by Contractor, subcontractor, or anyone directly or indirectly employed by any of them regardless of whether or not it is caused in part by a party to be indemnified hereunder;
 - 2) arising directly or indirectly out of the presence of any person in or about any part of the project site or in the streets, sidewalks, and property adjacent thereto; or
 - 3) arising directly or indirectly out of the use, misuse, or failure of any machinery or equipment used directly or indirectly in the performance of the Contract.

7.2 - Laws and Permits:

Contractor shall at all times observe and comply with federal, state, and local laws, regulations, and ordinances which in any manner affect the conduct of the Work. Complaints, claims, or actions brought against Contractor for failure to observe or comply with any law, ordinance, or regulation shall be the sole responsibility of Contractor and shall in no way extend to or expose the Forest Preserve to liability as provided in the General Conditions, Article VII, Section 7.1.

Contractor shall perform all work and use only those materials conforming to municipal, county, state, and federal codes regarding health, safety, and welfare. The Forest Preserve shall not be held responsible for failure of work or materials that do not conform to codes.

Prior to beginning the Work, Contractor shall obtain all necessary permits, licenses, and approvals, pay charges and fees, and give notices necessary and incident to the due and lawful prosecution of the Work. Contractor shall pay royalties of patented items and shall indemnify and hold harmless the Forest Preserve as provided in the General Conditions, Article VII, Section 7.1.

7.3 - Fair Employment Practices:

Contractor shall comply with the provisions of the Illinois Human Rights Act and the Illinois Department of Human Rights' Equal Opportunity Clause, 44 Ill. Admin. Code 750, incorporated by reference and attached as Exhibit B, and all other applicable employment laws and regulations during the performance of the Contract.

Failure of Contractor to comply with the Act and the Equal Employment Opportunity Clause will result in cancellation of the Contract and possible sanctions or penalties as provided by statute or regulation.

7.4 - Prevailing Wage Act:

Contractor recognizes that the Forest Preserve is a public body which is subject to the Prevailing Wage Act, 820 ILCS 130/0.01, et seq (referred to as "Act" in this subsection). Contractor shall comply at all times with the provisions of the current Act, as well as any amendments thereto. Failure of Contractor to

comply with the Act, including but not limited to the section of records, provision of certified monthly payroll reports, and any and all rules and regulations promulgated by the State of Illinois with regard to the Act, will result in the cancellation of the Contract. Contractor expressly waives any right for recovering damages due to Contract cancellation based on its failure to comply with the Act.

The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed. The Illinois Department of Labor ("Department") publishes the prevailing wage rates on its website at <http://labor.illinois.gov/>. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's web site for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this Contract must comply with all requirements of the Act, including but not limited to, all wage requirements and notice and record keeping duties.

When the Illinois Department of Labor revises the prevailing rate of wages, these revised rates shall apply to the Contract. It will be the responsibility of the Contractor to obtain the revised rates from the Illinois Department of Labor and apply them appropriately throughout the duration of the Work.

Contractor shall maintain accurate records of the names, occupations, and wages paid to each laborer, worker, and mechanic employed in connection with the Work. Contractor shall provide one copy of a monthly certified payroll consisting of a complete record of all laborers, mechanics, and other workers employed by it on the Work including worker's name, address, telephone number when available, social security number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, and the starting and ending times of each work day. Contractor shall supply a second copy of a monthly certified payroll consisting of a complete record of all laborers, mechanics, and other workers employed by them on the Work including worker's name, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, and the starting and ending times of each work day. For its reporting, Contractor shall use the Illinois Department of Labor's Certified Transcript of Payroll Form (IL452CM02), available on the Department of Labor's website. Contractor shall allow the Forest Preserve access to these records for inspection purposes at any reasonable hour and upon reasonable notice. In the event Contractor fails to comply with the provisions of the Act, Contractor shall indemnify and hold harmless the Forest Preserve, its officers, employees, and agents from any and all liability arising from any violation of the Act. Contractor acknowledges and accepts that it will not receive any payment under the Contract unless it is in compliance with all provisions of the Act. Violations of the Act may result in penalties as provided in the Act.

7.5 - Employment of Illinois Workers:

Contractor recognizes that the Forest Preserve is a public body which is subject to the Employment of Illinois Workers on Public Work Projects Act, Illinois Revised Statutes, 30 ILCS 570, sec.1-7. Contractor shall comply at all times with provisions of the Act. Failure of Contractor to comply with the Act, and any rules or regulations promulgated by the State of Illinois with regard to the Act, will result in the cancellation of the Contract. Contractor expressly waives any right for recovering damages due to Contract cancellation for failure to comply with the Act.

Contractor shall maintain accurate records of the names and addresses of workers employed by it, whether skilled, semi-skilled, or unskilled, and whether manual or non-manual.

In the event Contractor fails to comply with the provisions of the Act, Contractor shall indemnify and hold harmless the Forest Preserve as provided in the General Conditions, Article VII, Section 7.1.

7.6 Substance Abuse Prevention:

The Contractor shall comply with and cause all subcontractors to comply with the requirements and provisions of the Illinois Substance Abuse Prevention on Public Works Projects Act (820 ILCS 265/1 et seq.) (referred to as the "Act" in this subsection) and any other applicable laws and regulations governing substance use in the workplace. Prior to commencing the Work, the Contractor shall have in place a written program which meets or exceeds the program requirements in the Act and shall provide a copy of that program to the Forest Preserve.

Failure by the Contractor to comply with the requirements of the Act shall constitute a material default of the Contract and shall give the Forest Preserve the right to pursue any remedy available to it at law or in equity, including termination of this Contract for cause in the Forest Preserve's sole discretion and any other remedy as provided in this Contract. In the event of a default hereunder, Contractor shall also pay to the Forest Preserve all damages the Forest Preserve is entitled to under this Contract that arise from the default, together with interest, costs, and the Forest Preserve's reasonable attorney fees.

ARTICLE VIII Miscellaneous Provisions

8.1 – Freedom of Information Act:

This contract and all related public records maintained by, provided to, or required to be provided to the Forest Preserve are subject to the Illinois Freedom of Information Act, 5 ILCS 140.

8.2 Audit/Retention of Records:

Contractor and its subcontractors shall maintain books and records relating to the performance of this Contract and any subcontract necessary to support amounts charged to the Forest Preserve pursuant to this Contract or subcontract. All records, including electronic records, shall be maintained by the Contractor for a period of three (3) years from the later of the date of final payment under the Contract or completion of the Contract, and by the subcontractor for a period of three (3) years from the later of final payment under the term or completion of the subcontract.

If Federal funds are used to pay contract costs, the Contractor and its subcontractors must retain their respective records for five (5) years.

All such records related to the Contract are subject to an audit by representatives of the Forest Preserve, upon reasonable notice and during normal business hours, and the Contractor and any subcontractors shall not impose a charge for any audit or examination of the records.

8.3 Assignment:

This contract may not be assigned or transferred in whole or in part by the Contractor without the prior written consent of the Forest Preserve.

8.4 Amendments:

The parties agree that this Contract and all Exhibits attached hereto may be amended only by the mutual, written consent of the parties by means of the same procedures used to adopt this Contract and authorize its execution in the first instance.

8.5 Governing Law:

The laws, cases and statutes of the State of Illinois shall govern the validity, performance and enforcement of this A. Venue for any dispute related to or arising out of this Contract shall be in the Circuit Court of Will County.

8.6 Severability:

If any provisions of this Contract are held to be invalid, such provisions shall be deemed to be excised therefrom, and the invalidity thereof shall not affect any of the other provisions contained herein, which provisions shall be enforceable to the fullest extent possible.



Return to: Cori Crawford
Email: ccrawford@fpdwc.org

17540 W. Laraway Road
Joliet, IL 60433
Phone (815) 727-8700
Fax (815) 722-3608

☐ \$50 Permit Fee Required

SPECIAL USE PERMIT APPLICATION

☐ Construction ☐ Research ☐ Education ☐ Utilities ☐ FPDWC Project ☐ Other

Organization Requesting Permit

Organization:

Address: City: State: Zip:

Contact Person:

E-Mail:

Phone: Cell: Fax:

Sub-Contractor Information

Sub-Contractor/Organization:

Address: City: State: Zip:

Sub-Contractor Contact Person:

E-Mail:

Phone: Cell: Fax:

Vehicle Information

(Post in Car Window if Vehicle is not in designated parking area or extended hours)

Number of Vehicles:

Number in Group:

Description of Vehicles with
License Plate Numbers:

Preserve:

Location within Preserve:

Description of Work:

Will anything be removed from the preserve? ☐ Yes ☐ No If yes, describe:

Will anything be left on site? ☐ Yes ☐ No If yes, describe.

Permit Start Date:

Permit End Date:

Permitted Days of Week:

Permitted Hours:

Standard Conditions:

- ☐ If construction/soil disturbance is being done on District property, please provide proof of JULIE notification prior to excavation work. Project number assigned by JULIE is:
- ☐ Provide proof that all required sign-offs and permits have been secured.
- ☐ Provide proof of Certificate of Liability Insurance for no less than \$1,000,000.00 that states "The Forest Preserve District of Will County is additionally insured with respect to the General Liability policy."
Send to Attn: Matt Ruhter, 17540 W. Laraway Road, Joliet, IL 60433.
- ☐ Project area will be restored to pre-existing condition if impacted by the project, or restored as approved by the District in writing.
- ☐ Warning signs and other safety measures taken.
- ☐ Copy of Permit displayed in front window of vehicle described on Page 1 when accessing preserve from non-designated areas.

Joint Committee on Administrative Rules
ADMINISTRATIVE CODE

**TITLE 44: GOVERNMENT CONTRACTS, GRANTMAKING, PROCUREMENT AND
PROPERTY MANAGEMENT
SUBTITLE B: SUPPLEMENTAL PROCUREMENT RULES
CHAPTER X: DEPARTMENT OF HUMAN RIGHTS
PART 750 PROCEDURES APPLICABLE TO ALL AGENCIES
SECTION 750.APPENDIX A EQUAL EMPLOYMENT OPPORTUNITY CLAUSE**

Section 750.APPENDIX A Equal Employment Opportunity Clause

EQUAL EMPLOYMENT OPPORTUNITY

In the event of the contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause or the Act, the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the contractor agrees as follows:

- 1) That he or she will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and, further, that he or she will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any underutilization.
- 2) That, if he or she hires additional employees in order to perform this contract or any portion of this contract, he or she will determine the availability (in accordance with this Part) of minorities and women in the areas from which he or she may reasonably recruit and he or she will hire for each job classification for which employees are hired in a way that minorities and women are not underutilized.
- 3) That, in all solicitations or advertisements for employees placed by him or her or on his or her behalf, he or she will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service.
- 4) That he or she will send to each labor organization or representative of workers with which he or she has or is bound by a collective bargaining or other agreement or understanding, a notice advising the labor organization or representative of the contractor's obligations under the Act and this Part. If any labor organization or representative fails or refuses to cooperate with the contractor in his or her efforts to comply with the Act and this Part, the contractor will promptly notify the

Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the contract.

- 5) That he or she will submit reports as required by this Part, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Act and this Part.
- 6) That he or she will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Act and the Department's Rules and Regulations.
- 7) That he or she will include verbatim or by reference the provisions of this clause in every subcontract awarded under which any portion of the contract obligations are undertaken or assumed, so that the provisions will be binding upon the subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply with the provisions. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

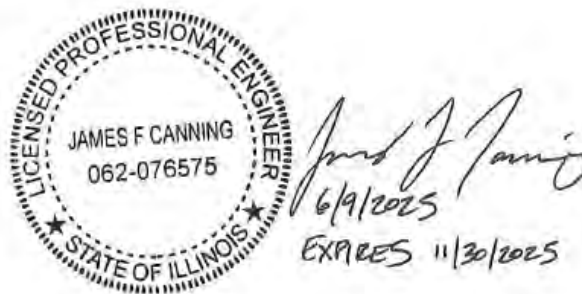
(Source: Amended at 35 Ill. Reg. 3695, effective February 18, 2011)

Technical Specifications for

2025 Old Plank Road Trail Pavement Rehabilitation

TABLE OF CONTENTS

01000	GENERAL REQUIREMENTS
01400	QUALITY CONTROL
02009	TEMPORARY CONTROLS
02050	DEMOLITION
02100	GRUBBING, TREE, BRUSH AND DEBRIS REMOVAL
02200	EARTHWORK
02205	GRADING AND SHAPING DITCHES
02270	EROSION CONTROL
02511	HOT-MIX ASPHALT SURFACE COURSE
02513	HOT-MIX ASPHALT BINDER COURSE
02520	PORTLAND CEMENT CONCRETE SURFACE AND DETECTABLE WARNINGS
02580	PAVEMENT MARKING
02720	STORM SEWER
02870	SITE FURNISHINGS
02910	PLANT MATERIAL
02918	ROOT CONTROL
02920	SEEDING
02961	TOPSOIL



IDFPR No. 184-001273



SECTION 01000

GENERAL REQUIREMENTS

PART 1—GENERAL

1.01 SUMMARY

- A. Work covered by Contract Documents is as stipulated within this project manual and as accompanied by drawings.
- B. Definitions. The following terms are used throughout the Contract Documents. The work will be governed in accord with the definitions.
 - 1. OWNER or Client: Shall mean Forest Preserve District of Will County.
 - 2. OWNER's Representative or ENGINEER: Shall mean Strand Associates, Inc.® This definition is referred to as Inspector in the general Conditions Definition of Terms. Note that any reference to Inspection or Inspector in these Technical Specifications shall not be defined as Strand Associates, Inc.®, but shall mean the testing service, inspector, permit reviewer, compliance officer, or other as defined within each section.
 - 3. Fabricated: Fabricated pertains to items specifically assembled or made of selected materials or components to meet individual design requirements.
- C. All work shall be governed by the State of Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction" latest edition, including issued supplemental specifications, or these technical specifications, which shall take precedence where conflicts exist.

PART 2—PRODUCTS

NOT APPLICABLE

PART 3—EXECUTION

3.01 CONTRACTOR USE OF PREMISES

- A. Assume full responsibility for protection safety and safekeeping of products stored on premises.
- B. Contractor's access to the sites shall be as shown on the Drawings. Disruption to normal users of the trails and parking areas shall be kept to an absolute minimum.
- C. Limit use of site for work and storage:
 - 1. To areas indicated on the Drawings.
 - 2. To areas approved in advance by OWNER.
- D. No work or material stockpiling is allowed in wetland or floodplain areas.

3.02 DUTIES OF CONTRACTOR

- A. Except as specifically noted, provide and pay for:
 - 1. Labor, materials, and equipment.
 - 2. Tools, construction equipment, and machinery.
 - 3. Water, heat, and utilities required for construction.
 - 4. Other facilities and services necessary for proper execution and completion of work.
- B. Give required notices.
- C. Comply with codes, ordinances, rules, regulations, orders, and other legal requirements of public authorities that bear on performance of work. Secure and pay for all required permits.
- D. Promptly submit written notice to OWNER's Representative of known or observed variances of Contract Documents from legal requirements.
 - 1. Appropriate modifications to Contract Documents will adjust necessary changes.
 - 2. Assume responsibility of Work known to be contrary to such requirements.
- E. This Project is exempt from all State and Local use taxes.
 - 1. Obtain sales tax exemption certificate number from OWNER.
 - 2. Place exemption certificate number on invoices for materials incorporated in work.
 - 3. Furnish copies of invoices to OWNER.
 - 4. Upon completion of work, file with OWNER a notarized statement that all purchases made under exemption certificate were entitled to be exempt.
- F. Purchase and maintain insurance in accordance with the General Conditions.
- G. Provide required bonds for all portions of the work.
- H. CONTRACTOR shall protect existing site from damage. CONTRACTOR shall clean areas of construction debris, equipment, and material prior to Date of Completion for such areas.
- I. Additional insurance:
 - 1. CONTRACTOR shall purchase and maintain liability insurance, as described under Article VI Financial Assurances-6.3 Insurance, specifically naming as additional insured; OWNER, District, ENGINEER, and OWNER's Representative, Strand Associates, Inc.®, using additional insurance endorsement form CG20260704, CG20100704, or equivalent form. General liability policies shall also be endorsed with form CG20370704 to include the "products completed operations coverage."
 - 2. Endorsements or General Liability policy shall not exclude supervisory or inspection services.
 - 3. CONTRACTOR shall also provide an additional insured endorsement for the automobile policy.
 - 4. Insurance shall be provided on an occurrence form basis.
- J. Further Indemnification: CONTRACTOR shall add the "Owner's Representative, Strand Associates, Inc.®" to the listing of agents under Article VII Legal Requirements-7.1 Indemnification: of the General Conditions.

END OF SECTION

SECTION 01400

QUALITY CONTROL

PART 1–1.0 GENERAL

1.01 DESCRIPTION

- A. This section defines CONTRACTOR's Quality control and Quality assurance scope of work with regards to providing a product which meets the requirement of this project.

1.02 BASIS OF PAYMENT

- A. QA/QC shall be considered incidental to the contract.
- B. Testing shall be considered incidental to the associated item of work and will not be paid for separately.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document:
 - 1. Illinois Department of Transportation, Standard Specifications for Road and Bridge Construction, latest revision. (IDOT SSRBC).
 - 2. Illinois Department of Transportation, April 1, 2016, Special Provision Check Sheet #25, Quality Control/Quality Assurance of Concrete Mixtures.
 - 3. Illinois Department of Transportation, Project Procedures Guide, latest revision.

PART 2–PRODUCTS

2.01 DESCRIPTION

- A. All material shall be in accordance with IDOT SSRBC Division 1000 materials except as modified herein.

PART 3–EXECUTION

3.01 RESPONSIBILITY OF THE CONTRACTOR

- A. CONTRACTOR shall give the Work the constant attention which is necessary to facilitate the progress thereof and shall cooperate to the fullest extent with the Approved Representative of the Forest Preserve (a.k.a. but not limited to: Owner's Representative, Consultant, Landscape Architect, Architect, Engineer), with Subcontractors, and with all other agencies and persons currently performing Work on or adjacent to the Work. CONTRACTOR shall at all times have a competent English-speaking superintendent as his/her agent on the Work, who is capable of reading and thoroughly understanding the Drawings and Specifications, and who shall promptly supply such materials, tools, equipment, and labor as may be required to complete the work. Such superintendent shall be furnished irrespective of the amount of Work authorized to be sublet.
- B. CONTRACTOR's representative shall keep the Approved Representative of the Forest Preserve informed of CONTRACTOR's planned operations for the following day(s) and notify the Approved Representative of the Forest Preserve at least 72 hours prior to the start of any operation requiring cooperation with others.

- C. CONTRACTOR shall provide QC/QA in accordance with the latest revision of the Illinois Department of Transportation (IDOT) "Project Procedures Guide." Any request to vary from the "Project Procedures Guide" shall be made in writing.
- D. CONTRACTOR shall directly contract with a single IDOT prequalified material testing laboratory to provide material testing on-site. CONTRACTOR shall notify the Approved Representative of the Forest Preserve with the firm contact information at the preconstruction meeting. If CONTRACTOR elects to change laboratories during construction CONTRACTOR shall provide the Approved Representative of the Forest Preserve with 2 weeks' notice of such a change. CONTRACTOR shall coordinate his/her operations with the testing service. CONTRACTOR shall be responsible so that the testing service is on-site prior to start of the installation that shall be tested.
- E. CONTRACTOR shall directly contract for all pre-construction material testing including plant sampling, mix-designs, obtaining standard and modified proctor tests for all materials prior to the start of work. CONTRACTOR shall be responsible for obtaining approval from Approved Representative of the Forest Preserve the materials prior to installation.
- F. The contracted IDOT prequalified material testing laboratory shall perform on-site QC testing and inspection for the following items at the QC frequency specified in the latest revision of the IDOT "Project Procedures Guide." At a minimum the following items shall be tested in accordance with IDOT criteria and documented with field reports:
 - 1. Subgrade preparation and compaction.
 - 2. Embankment compaction.
 - 3. Aggregate base course compaction.
 - 4. QC/QA of concrete mixtures in accordance with "IDOT special provision for quality control/quality assurance of concrete mixtures." The following exception will apply: Level II PCC technician at the plant and QC manager may be provided by the PCC manufacturer.
 - 5. HMA paving compaction.
- G. If CONTRACTOR has not arranged for technician to be on site prior to the start of work and when necessary, no work shall proceed, and no delay cost shall be incurred by OWNER.
- H. CONTRACTOR shall be responsible for reviewing all test reports and coordinating with on-site technicians to show compliance with the specifications. CONTRACTOR shall provide the Approved Representative of the Forest Preserve with copies of all test reports for record. Any non-conforming work that installed without taking proper means to correct the deficiency shall be subject to rejection by OWNER.
- I. CONTRACTOR shall be fully and finally responsible so that the Work performed under the Contract, when completed, conforms with the requirements of the Contract Documents. The specific tests and inspections for certain categories of Work that are described later in this Section are not intended to limit CONTRACTOR in carrying on his/her regular quality control program, as needed to show such compliance. No failure of testing services to perform adequate inspections or tests or to properly analyze or report results, whether engaged by OWNER or CONTRACTOR, shall relieve CONTRACTOR of his/her responsibility for the quality of Work.
- J. Work performed by CONTRACTOR shall comply with recognized workmanship quality standards within the industry that are applicable to each element of the Work. CONTRACTOR shall see that

each tradesman performing any part of the Work is familiar with the applicable and recognized quality standards for the Work of his/her trade, is experienced in such Work and capable of furnishing workmanship complying with those standards.

- K. CONTRACTOR shall be responsible so that the completed items of work are acceptable to the Approved Representative of the Forest Preserve. This responsibility includes hiring qualified subcontractors/tradesman that have extensive experience in manufacturing, installing or constructing the various items of work. This responsibility also includes constructing samples and mockups, as required, the submittal of shop drawings and the supervision of all items of work to show compliance with all approved samples, mock-ups, shop drawings and other architectural requirements.

3.02 OBSERVATION

- A. All materials and each part or detail of the Work shall be subject at all times to observation by the Approved Representative of the Forest Preserve and CONTRACTOR will perform the Work according to the Specifications in regard to quality of material, workmanship, and the diligent execution of the Contract. Such observation may include mill, plant, or shop inspection, and any material furnished under the Specifications. The Approved Representative of the Forest Preserve shall be allowed access to all parts of the Work and shall be furnished with such information and assistance by CONTRACTOR as is required to make a complete and detailed observation.

CONTRACTOR shall keep the Approved Representative of the Forest Preserve notified of his/her planned or contemplated operations sufficiently in advance of his/her operations so that observation may be arranged by the Approved Representative of the Forest Preserve. Such notice shall include the nature and location of the Work planned or contemplated, the date and time of starting and any hours out-side of the conventional Workday and Working week during which the prosecution of the Work is contemplated. The performance of any Work without such notice to the Approved Representative of the Forest Preserve and in the absence of observation or the written waiver thereof, shall, in itself, constitute sufficient grounds for the rejection of such Work. Any expense or cost of removing or uncovering Work performed without notice to the Approved Representative of the Forest Preserve as herein provided for purposes of making observations shall be borne by CONTRACTOR regardless of whether the Work is later determined to be in compliance with the Drawings and Specifications.

CONTRACTOR shall, if the Approved Representative of the Forest Preserve requires, remove or uncover such portions of the finished Work, for examination, as the Approved Representative of the Forest Preserve may request before the final acceptance of the same. After the examination, CONTRACTOR shall restore said portion of the Work to the standard required by the Specifications. If the Work thus exposed or examined proves acceptable, the expense of uncovering or removing and replacing of the parts removed shall be paid for as Extra Work, but if the Work is so exposed or examined is unacceptable, the expense of uncovering or removing and replacing of the same in accordance with the Specifications shall be borne by CONTRACTOR.

- B. All Work which is rejected prior to final inspection because of defective materials or workmanship, or for otherwise failing to comply with the Contract, shall be remedied or removed and replaced by CONTRACTOR at his/her expense and as requested by the Approved Representative of the Forest Preserve. Upon failure of CONTRACTOR to comply promptly OWNER shall, after giving written notice to CONTRACTOR, have the authority to cause such defective Work to be remedied, or removed and replaced, or to cause unauthorized Work to be removed by the use of CONTRACTOR's

own forces or through the employment of an independent Contractor selected by OWNER, and to deduct the cost thereof from any compensation due or to become due CONTRACTOR. Work done beyond the lines shown on the Drawings or as given, of any Extra Work done without proper authorization in accordance with the Contract, will be considered as unauthorized and no compensation shall be due to CONTRACTOR therefore, and Work so done may be requested to be removed or replaced at CONTRACTOR's expense.

- C. The Approved Representative of the Forest Preserve will make a final inspection of Work included in the Contract as soon as reasonably possible after being notified by CONTRACTOR that the Work is completed. CONTRACTOR shall give written notice to the Approved Representative of the Forest Preserve when the Work is ready for final inspection.

If the Work is not acceptable to the Approved Representative of the Forest Preserve at the time of such inspection, the Approved Representative of the Forest Preserve will advise CONTRACTOR in writing as to the particular defects to be remedied before final acceptance. If, within a period of 10 days after such notice, CONTRACTOR has not taken steps to speedily complete the Work as outlined by the Approved Representative of the Forest Preserve, OWNER may, without further notice and without in any way impairing the Contract, make such other arrangements as it may deem necessary to have the Work completed in a satisfactory manner through the employment of an independent Contractor selected by OWNER. The cost of so completing the Work will be deducted from any monies due or which may become due CONTRACTOR on his/her Contract. The Approved Representative of the Forest Preserve will ascertain the date upon which all Work was completed, and promptly after the final inspection and acceptance he/she will indicate said date to CONTRACTOR in writing.

3.03 DIMENSIONS

- A. CONTRACTOR shall verify all dimensions at the site for the Work and for dimensions shown to existing structures. Notify Approved Representative of the Forest Preserve of any discrepancies and suspend fabrication or installation of Work adversely affected by such discrepancies until further clarification is received from the Approved Representative of the Forest Preserve.
- B. CONTRACTOR shall be responsible for cutting and patching of finished Work or fabricated components necessary to achieve a dimensionally satisfactory installation and fit of the Work.

3.04 TESTING

- A. Concrete Testing: All poured in place concrete formwork and flatwork have the following tests performed.
 - 1. Slump—1 test per day minimum and one test per every 50 cubic yards thereafter.
 - 2. Air Content—1 test per day minimum and one test per every 50 cubic yards thereafter.
 - 3. Compressive Strength—1 set of three test cylinders per day and one set per every 100 cubic yards thereafter.
- B. Subgrade and Aggregate Base Course Testing: Contractor shall perform proof roll of the compacted subgrade prior to placing aggregate base course and proof roll of the aggregate base course prior to final paving. Any area exhibiting excessive deflection shall be repaired by CONTRACTOR and re-tested. Proof roll shall be performed using a fully loaded six-wheel dump truck.

- C. HMA Pavement Testing: Nuclear density tests shall be conducted for at least the first four hours of every day of paving to establish rolling pattern and verify that the specified compaction is being achieved.

END OF SECTION

SECTION 02009

TEMPORARY CONTROLS

PART 1—GENERAL

1.01 DESCRIPTION

- A. Temporary Controls shall consist of furnishing all labor, materials, tools and equipment necessary to:
 - 1. Locate and protect all existing utilities.
 - 2. Establish and maintain construction staking.
 - 3. Protect the site and work completed.
 - 4. Provide traffic control measures in the construction zone.

1.02 BASIS OF PAYMENT

- A. Protection of existing utilities is considered incidental to this contract and will not be paid for separately.
- B. Construction staking is considered incidental to Earthwork and will not be paid for separately.
- C. Protection of Work is considered incidental to this contract and will not be paid for separately. Failure to do so will come at CONTRACTOR's expense.
- D. Traffic control is considered incidental to this contract and will not be paid for separately.

PART 2—PRODUCTS

NOT APPLICABLE

PART 3—EXECUTION

3.01 UTILITIES

- A. CONTRACTOR shall determine the locations of and protect buried and exposed utilities within the Construction Limits or areas disturbed by their operation. Utilities that interfere with construction may be temporarily rerouted. Repairs to utilities that are damaged due to CONTRACTOR's operations shall be made by CONTRACTOR at no cost to OWNER.

3.02 CONSTRUCTION STAKING

- A. CONTRACTOR shall provide necessary horizontal and vertical controls to adequately mark the location of proposed improvements contained in the drawings and be responsible for maintaining staking throughout the duration of the project. OWNER reserves the right to make minor adjustments in the lines and grades as the work progresses whenever such changes are considered necessary to better accomplish the intent of the drawings.

3.03 PROTECTION OF WORK

- A. CONTRACTOR shall protect his work at all times throughout the duration of this project in accordance with General Conditions and drawings. Failure to do so will come at CONTRACTOR's expense. Construction fencing shall be used to protect excavations and structures during construction. Construction fencing shall be safety orange plastic mesh fencing 48 inches high with 6-foot-long, T-shaped, painted metal posts having a weight of at least 1.33 pounds per foot. Posts shall be placed at 8-foot maximum spacing.

3.04 TRAFFIC CONTROL

- A. CONTRACTOR shall be responsible for providing all signs, barricades, flag men, and other traffic control devices in the construction zone. All work shall be in accordance with the drawings and specifications. All traffic control measures shall meet the requirements of the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, latest edition, and the Standard Specifications for Traffic Control Items, latest edition. The work shall be conducted with minimum interference to roadways and adjacent property owners.

END OF SECTION

SECTION 02050

DEMOLITION

PART 1—GENERAL

1.01 DESCRIPTION

- A. Demolition shall include all demolition, removal and salvage work as shown on the drawings or specified herein to include, but not necessarily limited to the following:
 - 1. Cold Milling of HMA Surface.
 - 2. Pavement Removal.
 - 3. Aggregate Surface Removal.

1.02 BASIS OF PAYMENT

- A. Payment for Cold Milling of HMA surface will be on a square yard basis as bid in the proposal under the item Cold Milling, of the thickness indicated.
- B. Payment for Pavement Removal will be on a square yard basis as bid in the proposal under the item Pavement Removal.
- C. Payment for Aggregate Surface Removal will be on a square yard basis as bid in the proposal under the item Aggregate Surface Removal.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document. "Standard Specifications for Road and Bridge Construction," latest edition, Illinois Department of Transportation, Articles 440.01-440.06 Removal of Existing Pavement and Appurtenances.

PART 2—PRODUCTS

NOT APPLICABLE

PART 3—EXECUTION

3.01 GENERAL

- A. Where portions of the existing pavement, concrete, or similar structures are to be left in the surface of the finished work, CONTRACTOR shall remove the structure to an existing joint, or sawcut the structure to a true line. Sufficient removal shall be made to provide for proper grades and connections with the new work.

3.02 COLD MILLING

- A. Cold Milling of existing HMA Pavement shall consist of partial removal of the existing HMA pavement in preparation for resurfacing. Cold Milling shall be to the indicated depth using a self-propelled milling machine. Care shall be taken to avoid damage to existing curbs and walkways.

3.03 PAVEMENT REMOVAL

- A. Pavement removal shall consist of removal of the full thickness of HMA pavement. Sawcutting of existing pavement at removal limits shall be included in the cost of Pavement Removal.

3.04 AGGREGATE SURFACE REMOVAL

- A. Aggregate Surface Removal shall consist of partial removal of the existing aggregate surface material. The depth of removal shall be approximately the thickness of the HMA binder and surface course pavement to be placed. The actual amount of aggregate surface removal shall be as required to match flush with existing paved surfaces and to maintain required pavement slope and drainage.

3.05 DISPOSAL

- A. Removal items not scheduled for re-use shall be properly disposed of off-site at CONTRACTOR's expense.

END OF SECTION

SECTION 02100

GRUBBING, TREE, BRUSH AND DEBRIS REMOVAL

PART 1—GENERAL

1.01 DESCRIPTION

- A. Grubbing, Tree, Brush and Debris Removal shall consist of furnishing all labor, materials, tools and equipment necessary to remove trees, brush, stumps, roots, trash, and construction debris as indicated in the Drawings.

1.02 BASIS OF PAYMENT

- A. Clearing and grubbing will be considered incidental to the Contract and will not be paid for separately.
- B. Tree Removal will be paid for on a diameter-inch basis as bid in the proposal under the item Tree Removal.
- C. Tree Pruning, of the diameter range specified, will be paid on a per each basis as bid in the proposal under the items Tree Pruning (1 to 10 Inch Diameter) and Tree Pruning (Over 10 Inch Diameter).
- D. Tree Root Pruning will be paid for on a per each basis as bid in the proposal under the item Tree Root Pruning.
- E. Brush Removal is considered incidental to the Contract and will not be paid for separately.
- F. Construction Debris Removal is considered incidental to the Contract and will not be paid for separately.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document.
 - 1. "Standard Specifications for Road and Bridge Construction," latest edition, Illinois Department of Transportation,
 - a. Articles 201.01-201.09, Clearing, Tree Removal and Protection, Care and Repair of Existing Plant Material
 - b. Article 202.03, Removal and Disposal of Surplus, Unstable, and Unsuitable Materials and Organic Waste.
- B. Contractor shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

NOT APPLICABLE

PART 3—EXECUTION

3.01 DEFINITIONS

- A. Trees: Woody perennial plants having a single main stem or trunk measuring six (6) inches or more in diameter measured three (3) feet above ground. Trees having a trunk diameter less than six (6) inches shall be considered brush.
- B. Construction Debris: An accumulation of any unusable man-made construction material which has been excavated or placed on the site during the contract period, including, but not limited to, concrete, metal culverts, lumber, pipe, brick, and litter.

3.02 CLEARING AND GRUBBING

- A. Grubbing shall consist of cutting and disposing of trees, brush, windfalls, logs, and other vegetation of a diameter of less than 6 inches (150 mm), and the removing and disposing of roots, stumps, stubs, grubs, logs, and other timber from within the clearing limits as defined on the Drawings, designated to be removed on the Drawings or in the Specifications, or fall within the excavation, embankment, or improved areas of the site.
- B. All roots and stumps shall be removed to a depth of not less than 12 inches below the original ground surface in embankment areas. In cut areas, such material shall be removed to a depth of not less than 12 inches below the subgrade.
- C. Construction debris within the construction limits shall be removed in accordance with the above referenced and incorporated specifications.
- D. Disposal by burning or burying clearing and grubbing items within the project limits is not allowed.

3.03 TREE REMOVAL

- A. Tree removal shall consist of the cutting, grubbing, removal, and disposal of trees and stumps of a diameter equal to or greater than 6 inches (150 mm) as defined in Section 201 of the Standard Specifications.
- B. Trees marked for removal within construction limits shall be removed by CONTRACTOR and properly disposed.
- C. It is intended that as many trees as possible be saved during construction. No trees, except those so designated, shall be removed without prior approval of OWNER. CONTRACTOR shall conduct the Work to protect all trees designated to remain. CONTRACTOR shall provide suitable fencing installed at the tree drip line for all trees within the construction area to protect trees from damage and soil compaction by equipment.
- D. When removing trees, special care shall be taken to not damage the surrounding private property. Cost for tree removal or replacement and construction around trees shall be included in the unit price bid for the Work.
- E. CONTRACTOR shall perform root and tree pruning in accordance with Article 201.06 of the Standard Specifications and as specified herein.
 - 1. Root Pruning: If construction is to occur within the root zone of existing plant material, root pruning and special plant care will be required. All pruning shall be performed under the

direction of a certified arborist and approved by the Village Arborist. Root pruning using an approved mechanical root pruning saw or compressed air excavation and a saw shall be performed prior to digging where noted on the Drawings or as directed by OWNER. Whenever roots of plant material to remain are exposed during construction, the damaged root ends are to be removed by cutting them off cleanly and burying in soil or mulch. Pruning shall be done in the presence of the Arborist and in such a manner as to preserve the natural growth habit of each plant.

2. Supplemental Watering: In case of inadequate rainfall, as determined by OWNER, supplemental water shall be applied within 48 hours of any root damage. Water shall be applied at the rate of 2 gal/sq yd (9 L/sq m) of surface area within the root zone of plant material having sustained damage to the root zone. Subsequent weekly waterings shall be applied if deemed necessary by OWNER.
3. Tree Pruning: Tree pruning shall consist of pruning branches, for aesthetic and structural enhancement, of existing trees as shown on the Drawings or as directed by OWNER. All pruning shall be done according to the current ANSI A300 (Part 1) Pruning Standard. All branch pruning shall be done under the direction of a certified arborist.

3.04 DISPOSAL OF MATERIAL

- A. Material resulting from these operations shall be removed from the site and disposed of in an appropriate manner at an Illinois Environmental Protection Agency authorized waste management facility.

END OF SECTION

SECTION 02200

EARTHWORK

PART 1—GENERAL

1.01 DESCRIPTION

- A. Earthwork shall consist of furnishing all labor, materials, tools and equipment necessary to grade the site in accordance with the drawings, specifications, and proposal form. This includes rough and finish grading to approved grades; excavation of organic or unstable soils; embankment; stockpiling and redistribution of topsoil; placing and grading supplemental topsoil; grading and shaping ditches, and all other grading and excavation operations unless otherwise called for in the drawings and specifications.

1.02 FIELD CHANGES

- A. OWNER reserves the right to make minor adjustments in lines and grades as the work progresses whenever such changes are considered necessary to better accomplish the intent of the drawings or to obtain a closer balance between cut and fill.

1.03 BASIS OF PAYMENT

- A. Payment for all earthwork will be lump sum as bid in the proposal under the Earthwork pay item. CONTRACTOR is to make his own estimate prior to bidding. All earthwork is to be included in the lump sum bid and any variances will not be paid for separately. Any other earthwork at the site shall be considered incidental to the related items of construction and will not be paid for separately.

1.04 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document:
 - 1. "Standard Specifications for Road and Bridge Construction"—Latest Edition—Illinois Department of Transportation:
 - a. Articles 202.01–202.06 Earth and Rock Excavation.
 - b. Articles 204.01–204.05 Borrow & Furnished Excavation.
 - c. Articles 205.01–205.07 Embankment.
 - d. Articles 211.01–211.06 Topsoil and Compost.
 - e. Articles 214.01–214.03 Grading and Shaping Ditches .
 - f. Articles 301.01–301.10 Subgrade Preparation.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

2.01 EMBANKMENT

- A. Embankment shall consist of suitable excavated material resulting from site grading or hauled in as necessary. Embankment used under slabs and walkways shall be compacted structural clay fill.

2.02 TOPSOIL

- A. Topsoil shall be as defined in Section 02920—Seeding.

PART 3—EXECUTION

3.01 EARTHWORK SCHEDULE

- A. Earthwork shall be performed at time when seeding restoration is permitted in order to minimize soil erosion and take advantage of the preferable growing season.

3.02 TOPSOIL REMOVAL AND REDISTRIBUTION

- A. Existing topsoil shall be removed from within all areas to be excavated or graded and stockpiled for reuse. Stockpile locations shall be as approved by OWNER and must be located outside of any floodplain areas. Topsoil shall be re-spread at a minimum thickness of four inches in any areas to be restored in preparation for seeding. Any rocks or stones larger than 2 inches shall be removed from the turf areas and trail shoulders prior to placement of topsoil. Topsoil removal and redistribution is considered earthwork and will not be paid for separately.

3.03 GRADING

- A. Grades shown on the drawings are finished grades. A grading tolerance not to exceed one tenth of a foot from intended grades will be allowed. All new pavement shall meet existing surfaces smooth and flush.

3.04 SUBGRADE

- A. The subgrade shall be graded to accomplish the proposed grading plan. Soil exhibiting unstable characteristics should be disked to a minimum of 6 inches, dried to near optimum moisture content, and re-compacted. Any areas indicated unsuitable by OWNER or OWNER's Representative shall be undercut and backfilled as described in the Crushed Stone Base Course specification. Construction shall be in accordance with the above referenced and incorporated specifications.

3.05 EMBANKMENT

- A. CONTRACTOR shall use on-site excavated embankment or imported material to achieve the grades shown on the drawings. If on-site embankment material is insufficient or unsuitable, embankment shall be hauled in by CONTRACTOR at no additional cost. Construction shall be in accordance with the above referenced and incorporated specifications.

3.06 GRADING AND SHAPING DITCHES

- A. Ditches shall be as shown on the drawings. CONTRACTOR shall remove topsoil and debris from the ditch area and cut ditches to drain surface water away from the pavement and shoulder. Ditches shall have a longitudinal slope with positive drainage to prevent water ponding in the ditch. Graded ditches shall be restored with topsoil and seeding. Construction shall be in accordance with the above referenced and incorporated specifications.

3.07 SPOILS

- A. Excess material resulting from earthwork may be placed at the location indicated on the Drawings and as approved by OWNER. The spoils pile shall be graded and leveled so as not to trap water or have any slopes greater than 1 vertical to 3 horizontal. Restoration shall be in accordance with Section 02920–Seeding.

END OF SECTION

SECTION 02205

GRADING AND SHAPING DITCHES

PART 1—GENERAL

1.01 DESCRIPTION

- A. Grading and shaping ditches shall consist of furnishing all labor, materials, tools and equipment necessary to grade trailside and parking area ditches in accordance with the drawings, specifications, and proposal form. This may include rough and finish grading to approved grades; stockpiling and redistribution of topsoil; placing and grading supplemental topsoil, and hauling away excess material as called for in the drawings and specifications.

1.02 FIELD CHANGES

- A. OWNER reserves the right to make minor adjustments in lines and grades as the work progresses whenever such changes are considered necessary to better accomplish the intent of the drawings or to obtain a closer balance between cut and fill.

1.03 BASIS OF PAYMENT

- A. Grading and Shaping Ditches will be paid on a lineal foot basis as bid in the proposal under Grading and Shaping Ditches.

1.04 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document: "Standard Specifications for Road and Bridge Construction"—Latest Edition, Illinois Department of Transportation, Articles 214.01–214.03 Grading and Shaping Ditches.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

NOT APPLICABLE

PART 3—EXECUTION

3.01 ROUGH GRADING

- A. Grades shown on the drawings are finished grades. A grading tolerance not to exceed one tenth of a foot from intended grades will be allowed.

3.02 SUBGRADE

- A. The subgrade shall be graded to accomplish the proposed grading plan. Soil exhibiting unstable characteristics should be brought to the attention of OWNER.

3.03 GRADING AND SHAPING DITCHES

- A. Grading and Shaping Ditches shall be as shown on the drawings. CONTRACTOR shall grade ditch with a longitudinal slope having positive drainage to prevent water ponding in the ditch. Graded ditch shall be restored with topsoil and seeding.

3.04 EXCESS MATERIAL

- A. All excess material shall be removed from the site and disposed of at CONTRACTOR's expense. CONTRACTOR's expense shall include testing, certification, and documentation of uncontaminated soil if CONTRACTOR intends to dispose of at a clean construction or demolition debris (CCDD) fill operation.

END OF SECTION

SECTION 02270

EROSION CONTROL

PART 1—GENERAL

1.01 DESCRIPTION

- A. Erosion Control shall consist of furnishing all labor, materials, tools and equipment necessary to place silt fencing, hydromulch, or other erosion control measures at the locations indicated on the drawings and as specified.

1.02 BASIS OF PAYMENT

- A. Payment for silt fence will be on a linear foot basis as bid in the proposal under Silt Fence.
- B. Hydromulch will not be paid for separately but shall be included as bid in the proposal under the item Turf Shoulder - With Topsoil, Seed, And Hydromulch. The unit price as tabulated in the Proposal shall include all labor, materials, equipment and protection.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into the document:
 - 1. The "Illinois Urban Manual," Current Edition, published by Natural Resource Conservation Service (NRCS), available on the web at www.il.nrcs.usda.gov.
 - 2. "Standard Specifications for Road and Bridge Construction"—Latest Edition—Illinois Department of Transportation:
 - a. Section 251 Mulch.
 - b. Section 280 Temporary Erosion and Sediment Control.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

2.01 SILT FENCE

- A. Silt Fence shall be either woven or non-woven geotextile fabric fastened to wood or metal posts. Silt fence shall be in accordance with the NRCS Urban Manual.

2.02 HYDROMULCH

- A. Hydromulch shall be HH Wood Fiber FLEX conforming to the following characteristics:
 - 1. Composition: Wood Fiber, Surfactant & Tackifier
 - 2. Moisture Content: (+/-) 12%
 - 3. Color: Brilliant Green
 - 4. Mixing Ratio: 50lbs. (one bale) per 125 gallons of water
 - 5. Packaging: 50lb. bales/40 per pallet/880 per truckload
 - 6. ECTC Classification: Type 5
- B. Functional Longevity: 12+ Months

PART 3—EXECUTION

3.01 SILT FENCE

- A. Silt fencing shall be placed in the locations shown on the drawings and in accordance with the above incorporated specifications or as determined necessary during construction.

3.02 HYDROMULCH

- A. Hydromulch shall be applied using Method 3A as outlined in the Standard Specifications for Road and Bridge Construction. The following paragraph from the incorporated specifications is included here for ease of field reference.
- B. “Method 3A. This method shall consist of the machine application of a heavy-duty hydraulic mulch. Seeding shall be conducted as a separate operation and shall not be added to the hydraulic mulch slurry. The hydraulic mulch shall not be applied when the ambient temperature is at or below freezing. To achieve full and even coverage, the hydraulic mulch shall be applied from two opposing directions. Mixing and application rates shall be according to the manufacturer’s recommendations and meet the minimum application rates set in Article 1081.06(a)(2). The heavy-duty hydraulic mulch shall be applied using a mechanically agitated hydraulic mulching machine.”
- C. Hydromulch shall be applied everywhere turf seeding occurs; hydromulch must be installed on the same day seeding occurs.
- D. Hydromulch equipment shall be limited to a maximum size 500-gallon tank.
- E. Hydromulch shall be applied at the following manufacturer recommended rates.
 - 1. Slopes greater than 3:1 apply 3,000lbs. per acre.
 - 2. Application Rate: Slopes greater than 2:1 apply 3,500lbs. per acre.
 - 3. Application Rate: Slopes greater than 1:1 apply 4,000lbs. per acre.
- F. CONTRACTOR shall be responsible for procuring water required for hydromulch application at its own expense.
- G. Any damage to paths, ruts on the ground, or other damage resulting from this work shall be repaired by CONTRACTOR to the satisfaction of OWNER at no additional expense.

PART 4—MAINTENANCE

The following paragraph from the incorporated specifications is included here for ease of field reference.

“The temporary erosion control systems installed by CONTRACTOR shall be properly maintained to control siltation at all times during the life of the contract. This work shall include repair of the various systems, removal of trapped sediment, and cleaning of any silt filter fabric. Accumulated silt in sediment basins shall be removed at any time the basin becomes 75 percent filled. Any additional materials and work requested by the District or District’s agent will be measured and paid as specified. If CONTRACTOR fails to maintain the temporary erosion control systems, the District may, at the expiration of a period of 48 hours after having given CONTRACTOR written notice, proceed to maintain the systems as deemed necessary, and the cost thereof will be deducted from any compensation due, or which may become due CONTRACTOR under this contract.”

END OF SECTION

SECTION 02511

HOT-MIX ASPHALT SURFACE COURSE

PART 1—GENERAL

1.01 DESCRIPTION

- A. Hot-mix asphalt (HMA) Surface Course shall consist of providing all labor, materials, tools, and equipment necessary to install HMA Surface Course overlay on a prepared HMA pavement surface as indicated in the Drawings.

1.02 BASIS OF PAYMENT

- A. Payment for HMA Surface Course will be on a tonnage basis as bid in the proposal under the item Hot-Mix Asphalt Surface Course. The compacted thickness shall be as indicated on the drawings.
- B. Payment for Pavement Crack Repair will be on a lineal foot basis as bid in the proposal under the item Pavement Crack Repair.
- C. Prime Coat and Asphalt Joint materials shall be considered incidental to the respective paving operation and will not be paid for separately.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into the document:
 - 1. Standard Specifications for Road and Bridge Construction"—latest edition—Illinois Department of Transportation:
 - a. Section 406.01-406.12 Hot-Mix Asphalt Binder and Surface Course.
 - b. Article 1003.03 Fine Aggregate for Hot-Mix Asphalt.
 - c. Article 1004.03 Coarse Aggregate for Hot-Mix Asphalt.
 - d. Article 1011.01 Mineral Filler.
 - e. Article 1030.01-1030.04 Hot-Mix Asphalt.
 - f. Section 1032 Bituminous Materials.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

2.01 SURFACE COURSE

- A. Mix type shall be as indicated on the proposal. Materials shall meet the above referenced and incorporated specifications.

2.02 PAVEMENT CRACK REPAIR

- A. Pavement Crack Repair shall be 12-inch-wide self-adhesive asphalt-coated strip geotextile membrane. Product shall be Petromat® Petrotac as manufactured by Solmax, Quebec, Canada, <https://www.solmax.com/us/en>, or equal.

PART 3—EXECUTION

3.01 CONSTRUCTION REQUIREMENTS

- A. Surface course shall be laid only on a base on which crack repair has been applied, is dry, primed, and when weather conditions are suitable. Air temperature in the shade must be at least 45°F and the forecast for rising temperatures for both crack repair and paving.

3.02 PAVEMENT CRACK REPAIR

- A. The bid proposal for Pavement Crack Repair is based on having a quantity of 108-foot rolls of material on hand at the site for treating the most prominent cracks in the pavement surface. The repair membrane shall be applied to a clean, dry pavement surface prior to prime coat in accordance with the manufacturer's instructions. Repair material shall be centered over pavement cracks. Transverse cracks shall be treated before longitudinal cracks.

3.03 PRIME COAT

- A. Bituminous prime material shall be of the type and applied at the rate specified depending on the surface it is applied to:
 - 1. Prime on aggregate base: MC-30, 0.30 gallons per square yard.
 - 2. Prime on HMA base: RC-70, 0.05 to 0.10 gallons per square yard.

3.04 PREPARATION AND TRANSPORTATION OF HOT-MIX ASPHALT

- A. Work shall be in accordance with Articles 406.05 and 1030.08 of the above referenced and incorporated specifications.

3.05 PLACING AND COMPACTING HOT-MIX ASPHALT

- A. Work shall be in accordance with Articles 406.06 and 406.07 of the above referenced and incorporated specifications.

3.06 JOINTS

- A. Contact surfaces of curbs and inlets shall be painted with a thin, uniform coating of Asphalt: RC-70, Tar: RT-1 or Tar: RT-2 prior to HMA materials being placed against them.
- B. Joints between successive days' work shall be made so as to provide a thorough and continuous bond between the old and new mixture.

3.07 PAVEMENT TESTING

- A. CONTRACTOR shall engage the services of a qualified independent geotechnical engineering consultant to perform field quality-control testing of the HMA surface course paving.
- B. See QUALITY CONTROL Section 01400—Quality Control for testing requirements and payment information.

3.08 SURFACE TESTS

- A. Surface courses shall be tested for smoothness with a 10-foot straight edge after compaction. Straight edge shall be placed parallel to the pavement centerline, parallel to the grade line in each pavement lane, touching the surface. Ordinates shall be measured from the face of the straight edge to surface course.
- B. There shall be deducted from the amount due CONTRACTOR the cost of seventy-five percent of the surface course mixture as measured over the defective area for each variation in the surface course of greater than 1/8 inch, but less than 1/2-inch.
- C. Where the variation in the surface course equals or is in excess of 1/2-inch, the entire area affected shall be removed and replaced with fresh surface course mixture at CONTRACTOR's expense.

END OF SECTION

SECTION 02513

HOT-MIX ASPHALT BINDER COURSE

PART 1—GENERAL

1.01 DESCRIPTION

- A. Hot-Mix Asphalt (HMA) Binder Course shall consist of providing all labor, materials, tools, and equipment necessary to install HMA Binder Course on a prepared aggregate base course as indicated in the Drawings.

1.02 BASIS OF PAYMENT

- A. Payment for HMA Binder Course will be on a tonnage basis as bid in the proposal under the item Hot-Mix Asphalt Binder Course. The compacted thickness shall be as indicated in the drawings and the proposal form.
- B. Prime Coat and Asphalt Joint materials shall be considered incidental to the binder course and will not be paid for separately.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into the document:
 - 1. Standard Specifications for Road and Bridge Construction"—latest edition—Illinois Department of Transportation:
 - a. Section 406.01-406.12 Hot-Mix Asphalt Binder and Surface Course.
 - b. Article 1003.03 Fine Aggregate for Hot-Mix Asphalt.
 - c. Article 1004.03 Coarse Aggregate for Hot-Mix Asphalt.
 - d. Article 1011.01 Mineral Filler.
 - e. Article 1030.01-1030.04 Hot-Mix Asphalt.
 - f. Section 1032 Bituminous Materials.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

2.01 BINDER COURSE

- A. Mix type shall be as indicated on the proposal. Materials shall meet the above referenced and incorporated specifications.

PART 3—EXECUTION

3.01 CONSTRUCTION REQUIREMENTS

- A. Binder course shall be laid only on a prepared base which is dry, primed, and when weather conditions are suitable. Air temperature in the shade must be at least 40°Fahrenheit and the forecast for rising temperatures.

3.02 PRIMING AGGREGATE BASE

- A. Bituminous prime material, MC-30, shall be applied at a rate of 0.30 gallons per square yard to the prepared aggregate base in accordance with the above referenced specifications.

3.03 PREPARATION AND TRANSPORTATION OF HMA

- A. Work shall be in accordance with Articles 406.05, 406.13 and 1030.08 of the above referenced and incorporated specifications.

3.04 PLACING AND COMPACTING HMA

- A. Work shall be in accordance with Articles 406.06 and 406.07 of the above referenced and incorporated specifications.

3.05 JOINTS

- A. Contact surfaces of adjoin concrete or asphalt shall be painted with a thin, uniform coating of Asphalt: RC-70, Tar: RT-1 or Tar: RT-2 prior to HMA materials being placed against them.
- B. Joints between successive day's work shall be made so as to provide a thorough and continuous bond between the old and new mixture.

3.06 PAVEMENT TESTING

- A. CONTRACTOR shall engage the services of a qualified independent geotechnical engineering consultant to perform field quality-control testing of the HMA binder course paving.
- B. See QUALITY CONTROL Section 01400 for testing requirements and payment information.

3.07 SURFACE TESTS

- A. Smoothness testing will not be required on binder courses, but OWNER reserves the right to require corrective measures when obvious surface variations are evident. Defective areas shall be removed and replaced at CONTRACTOR's expense.

END OF SECTION

SECTION 02520

PORTLAND CEMENT CONCRETE SURFACE AND DETECTABLE WARNINGS

PART 1—GENERAL

1.01 DESCRIPTION

- A. This work shall consist of furnishing all labor, materials, tools and equipment necessary to construct a concrete pad for detectable warning tiles.

1.02 BASIS OF PAYMENT

- A. Payment for concrete pad and approach pavement will be per square foot as bid in the proposal under the item PCC Pad For Detectable Warnings of the indicated thickness. Aggregate base course, expansion materials, protection, and curing of concrete walkways shall be considered incidental to the work and will not be paid for separately.
- B. Payment for detectable warning tiles shall be per square foot as bid in the proposal under the item Detectable Warning Plates.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document.
 - 1. "Standard Specifications for Road and Bridge Construction"—Latest Edition—Illinois Department of Transportation:
 - a. Articles 424.01-424.11 Portland Cement Concrete Sidewalk.
 - b. Articles 311.01-311.07 Granular Sub-base.
 - c. Articles 351.01-351.06 Aggregate Base Course.
 - d. Articles 1020.13-1020-14 Curing Portland Cement Concrete.
 - e. Article 424.09 Detectable Warnings.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

2.01 SUB-BASE

- A. Base course material shall be Type B, CA-6 crushed stone or granular material and be in accordance with the above referenced and incorporated specifications.

2.02 PORTLAND CEMENT

- A. Portland Cement shall conform to ASTM C-150-78a for normal Portland Cement, Type I, and high-early-strength Portland Cement, Type III. The same brand of Portland Cement shall be used throughout the work to achieve a uniform color appearance unless a change is authorized in writing by OWNER.

2.03 PROPORTIONING OF CONCRETE MIX

- A. Concrete shall have a minimum ultimate strength of 4,000 psi at 28 days and shall contain between 4 and 7 percent entrained air, by volume. Mix shall be IDOT Class SI or equal. Concrete mix design and batch plant shall be approved by OWNER.

2.04 DETECTABLE WARNING

- A. Prefabricated truncated dome tiles shall be 2'x3' 10-gauge galvanized steel as manufactured by the TUFTILE Corporation, 1200 Flex Ct., Lake Zurich, IL 60047-888-960-8897. Anchors and fasteners are provided with tiles. Color to be COLONIAL RED or as otherwise approved by OWNER.

PART 3-EXECUTION

3.01 QUALITY CONTROL

- A. OWNER's agent reserves the right to test the quality of concrete for strength, air entrainment, slump and compliance with the approved mix design. Concrete which does not meet the specifications or deviates from the approved mix shall be rejected and replaced at no cost to OWNER.

3.02 AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE

- A. All walkways are to be handicapped accessible. Walkways shall have no more than 5 percent longitudinal slope and no more than 2 percent cross slope. Level landings, including all areas of directional change shall have no more than 2 percent slope in any direction. Work that is not compliant shall be removed and replaced at CONTRACTOR's expense.

3.03 MIXING AND PLACING OF CONCRETE

- A. Concrete shall be placed on a moist, but not wet, aggregate base, deposited and compacted to the proper depth. Placing of concrete shall be done immediately after mixing or delivery and shall be a continuous operation. Thoroughly spade, rod, or mechanically vibrate poured concrete for consolidation and to bring mortar to the surface.

3.04 EXPANSION JOINTS

- A. Expansion joints shall be placed in accordance with the above referenced and incorporated specifications, or as indicated on the project drawings or requested by OWNER's representative.

3.05 CURING AND PROTECTION

- A. Curing and protection shall be in accordance with the above referenced and incorporated specifications.

3.06 PROTECTION OF WORK

- A. It is CONTRACTOR's responsibility to protect the concrete work from vandalism, damage, or defacement. Provisions in the General Conditions will apply to work rejected due to vandalism, damage, or defacement.

3.07 DETECTABLE WARNING

- A. Detectable warning tile shall be cast in a poured-in-place concrete pad in accordance with manufacturer's instructions. The 2-foot by 3-foot warning tiles shall span the length of the concrete pad at the locations shown on the Drawings.

END OF SECTION

SECTION 02580

PAVEMENT MARKING

PART 1—GENERAL

1.01 DESCRIPTION

- A. Pavement Marking shall consist of furnishing all labor, materials, tools and equipment necessary to install striping and symbols as indicated on the Drawings.

1.02 BASIS OF PAYMENT

- A. Payment for Pavement Marking will be on a linear foot basis for the material, color and width as bid in the proposal.
- B. Payment for Pavement Symbols will be per each for the material, color, and type as bid in the proposal.
- C. Traffic protection for pavement marking, if required, is considered incidental to the pavement marking work and will not be paid for separately.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document.
 - 1. "Standard Specifications for Road and Bridge Construction"—Latest Edition—Illinois Department of Transportation, Articles 780.01-780.09 Pavement Striping.
 - 2. "Manual on Uniform Traffic Control Devices"—Latest Edition.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

2.01 PAVEMENT MARKINGS

- A. Materials shall be in accordance with the above referenced and incorporated specifications. All pavement markings are to be painted. Thermoplastic pavement marking shall not be used.

PART 3—EXECUTION

3.01 EQUIPMENT

- A. Equipment used for placing lines shall be of sufficient size and stability to provide smooth, straight application. The use of a hand-operated machine will be permitted.

3.02 APPLICATION

- A. Pavement surface shall be dry and free of dirt and grease prior to marking application. If required, the cost of cleaning the pavement surface shall be considered incidental to the striping work and no extra compensation will be due.
- B. The air temperature shall be at least 50°F unless approved by the paint manufacturer's representative in writing.

END OF SECTION

SECTION 02720

STORM SEWER

PART 1—GENERAL

1.01 DESCRIPTION

- A. Storm Sewer work shall include furnishing all labor, materials, tools, and equipment necessary to install drainage piping and structures at the locations indicated on the Drawings.

1.02 BASIS OF PAYMENT

- A. Payment for storm sewer pipe will be on a linear foot basis as bid in the proposal under the item Culvert Pipe, Pipe Drain, or Pipe Underdrain of the indicated size and type. Geotextile used in Pipe Underdrain installation shall be included in the unit price bid.
- B. Payment for end sections will be per each as bid in the proposal under the item End Section of the indicated size and type.
- C. Payment for Drainage Structures will be per each of the size and type as bid in the proposal.
- D. Payment for Riprap will be on a square yard basis as bid in the proposal under Riprap.
- E. Payment for geotextiles used below riprap will be on a square yard basis as bid in the proposal under Filter Fabric.
- F. Trench backfill shall be considered incidental to the pipe being installed and will not be paid for separately.
- G. Payment for pipe underdrain cleanouts will be per each as bid in the proposal under Cleanouts.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document:
 - 1. "Standard Specifications for Road and Bridge Construction"—latest edition, Illinois Department of Transportation,
 - a. Articles 208.01-280.03 Trench Backfill.
 - b. Article 281.01-.05 Riprap.
 - c. Articles 542.01-542.09 Pipe Culverts.
 - d. Articles 550.01-550.07 Storm Sewers.
 - e. Articles 551.01-551.04 Storm Sewer Installation.
 - f. Articles 601.01-601.07 Pipe Drains, Pipe Underdrains, and French Drains.
 - g. Articles 602.01-602.14 Manhole Construction.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items or work or materials are modified herein.

PART 2—PRODUCTS

2.01 CORRUGATED METAL PIPE

- A. Corrugated metal pipe shall be galvanized corrugated steel, minimum wall thickness of 0.064 inch. Joints in metal pipe shall be made with hugger-type bands or sleeve-type couplers. Flared end sections shall be galvanized metal in accordance with IDOT standards.

2.02 PIPE DRAINS

- A. Pipe drains material shall be Solid Wall Polyvinyl Chloride (PVC) Pipe or Solid Corrugated Polyvinyl Chloride (PE) Pipe.

2.03 PIPE UNDERDRAINS

- A. Pipe underdrains shall be Pipe Underdrain, Type 2 perforated pipe without fabric, installed in a fabric lined trench backfilled with coarse aggregate. Pipe material shall be Perforated Polyvinyl Chloride (PVC) Pipe or Perforated Corrugated Polyethylene (PE) Pipe.

2.04 CLEANOUTS

- A. Cleanouts shall be rigid, non-perforated, watertight screw caps.
- B. Cleanouts shall be manufactured by Advanced Drainage Systems, Inc. (ADS).

2.05 TRENCH BACKFILL

- A. Trench backfill shall be IDOT gradation CA-6 or CA-7 as indicated on the Drawings.

2.06 STRUCTURES

- A. Precast concrete manholes in accordance with ASTM-C478 or as shown on the Drawings. Frames and grate castings shall be of the type indicated on the Drawings.

2.07 RIPRAP

- A. Riprap shall be IDOT gradation 3 per Article 1005.01 of the incorporated IDOT specifications (average rock size 10 pounds).

2.08 GEOTEXTILES

- A. Geotextile for areas below structures, for use at perforated pipe underdrain trenches, and as specified elsewhere, shall be Mirafi 140N, or equal.
- B. Geotextile below riprap shall be Mirafi 180N, or equal.

PART 3—EXECUTION

3.01 UTILITY TRENCH EXCAVATIONS

- A. Storm sewers, pipe culverts, and associated structures shall be installed in the location indicated on the Drawings and in accordance with the above referenced and incorporated specifications. A minimum of 4 inches of aggregate material shall be placed as bedding under RCP and metal pipe and compacted prior to pipe installation. Bedding material shall be considered incidental to the pipe installation.
- B. Storm sewers, pipe culverts, and associated structures shall be installed in the location indicated on the Drawings and in accordance with the above referenced and incorporated specifications. A minimum of 4 inches of aggregate material shall be placed as bedding under solid wall pipe and compacted prior to pipe installation. Bedding material shall be considered incidental to the pipe installation.

3.02 COMPACTED FILL AND BACKFILL

- A. Pipe culverts and pipe drains under or within 2 feet of pavement shall be solid wall and backfilled with compacted trench backfill as indicated on the Drawings.

3.03 PIPE UNDERDRAINS

- A. Pipe underdrains, where called for on the Drawings, shall be perforated pipe surrounded with coarse aggregate wrapped with geotextile filter fabric.

3.04 RIPRAP

- A. Riprap shall be placed at locations shown on the Drawings on a trimmed and shaped bed in accordance with the above incorporated specifications. Riprap shall be installed at a minimum thickness of 8 inches.

3.05 GEOTEXTILES

- A. Geotextile shall be installed in accordance with manufacturer's recommendations.
- B. Geotextile shall be lapped a minimum of 18 inches.
- C. CONTRACTOR shall protect the construction fabric from exposure to the sun until installation. Construction fabric shall be covered with stone or soil immediately upon placement.

END OF SECTION

SECTION 02870

SITE FURNISHINGS

PART 1—GENERAL

1.01 DESCRIPTION

- A. CONTRACTOR shall furnish and completely install all site furnishings called for in the Drawings and specifications unless otherwise called for to be furnished or furnished and installed by OWNER. This work consists of procuring, storing and installing items in accordance with the Drawings, specifications, and manufacturer's instructions and recommendations.

1.02 FIELD CHANGES

- A. OWNER reserves the right to make minor adjustments in locations of site furnishings as the work progresses whenever such changes are considered necessary to improve function or accessibility.

1.03 BASIS OF PAYMENT

- A. Payment for each site furnishing item will be as bid in the proposal. All work and material required for the complete installation of the item shall be included in the bid.

1.04 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document:
 - 1. "Manual on Uniform Traffic Control Devices"—Latest Edition.
 - 2. "Standard Specifications for Road and Bridge Construction," Latest Edition, Illinois Department of Transportation, Article 1020—Portland Cement Concrete.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

2.01 PRECAST CONCRETE PARKING STOPS

- A. Precast Concrete Parking Stops shall be 7 feet in length and 7 inches tall with 10-inch-wide base and 1-inch height openings in the base to allow for water drainage and handling with a forklift. Each parking stop shall be anchored to the parking lot with two 5/8-inch (#5) rebar 18 inches in length installed perpendicular to the ground and through the car stops and pavement. No rebar shall protrude above the concrete car stop. Stops shall be centered in each parking stall. All car stops shall be of a uniform shape and color. Cracked or broken car stops will be rejected.

1. Local supplier for parking stops is:

UNIT Step Company
1515 Channahon Road
Joliet, IL 60436
Phone: (815) 744-1263

(or equal)

2.02 SIGNS

- A. CONTRACTOR shall furnish and install signposts of the type specified at the locations shown in the Drawings. All traffic signs (bicycle and motor vehicle) on the OWNER's property are to be mounted on cedar posts. Posts shall be as shown in the Drawings. All signs shall be fastened to posts with vandal resistant, one-way screws.
- B. All signs located in the right of way of any public street shall be mounted on metal posts. Metal signposts shall conform to IDOT Standard 720011-01.
- C. CONTRACTOR shall save existing signs and provide to OWNER.
- D. Trailhead signposts shall be furnished by CONTRACTOR. CONTRACTOR shall install signposts as shown in the Drawings. OWNER will provide and install signs for the posts.

3.0 EXECUTION

3.01 INSTALLATION

- A. All site furnishings shall be erected and installed in accordance with the manufacturer's instructions unless otherwise specified or detailed.

3.02 SECURING HARDWARE

- A. CONTRACTOR shall be responsible for providing and installing all necessary hardware for anchoring the precast car stops.
- B. Whether stated on the manufacturer's installation instructions or included in the furniture hardware, CONTRACTOR shall be responsible for trimming all bolts and other similar fasteners to within one-quarter (1/4") inch of the nuts/fasteners. All screws and bolts shall have vandal resistant, one-way heads. Exposed nuts shall be secured in a manner that will prevent removal, such as peening, double nutting, or tack welding.

END OF SECTION

SECTION 02910

PLANT MATERIAL

PART 1—GENERAL

1.01 DESCRIPTION

- A. This work shall consist of furnishing, transporting, and planting woody plants such as trees and shrubs. The work shall also include all mulching, wrapping, watering, weeding, replacement of plants when required, and all work described.

1.02 BASIS OF PAYMENT

- A. Payment for this item will be per plant as bid in the proposal under the item Tree of the size and species indicated.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document:
 - 1. "Standard Specifications for Road and Bridge Construction"—latest edition—Illinois Department of Transportation:
 - a. Section 253 Planting Woody Plants.
 - b. Section 1081 Materials for Planting.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items or work or materials are modified herein.

PART 2—PRODUCTS

2.01 GENERAL

- A. Plant material shall be as noted in the incorporated specifications.

PART 3—EXECUTION

3.01 GENERAL

- A. Plant material installation shall be as noted in the incorporated specifications.
- B. Soil for filling the tree and shrub holes shall be incidental to the tree cost.

END OF SECTION

SECTION 02918

ROOT CONTROL

PART 1—GENERAL

1.01 DESCRIPTION

- A. This section includes root control barrier in trenches, alongside hardscape structures such as sidewalks, curbing, pavements, concrete and building foundations to prevent structural damage due to root penetration.

1.02 BASIS OF PAYMENT

- A. Payment for Root Barrier will be per linear foot installed as bid in the proposal under the item Root Barrier. The unit price as tabulated in the Proposal shall include all labor, materials, equipment and protection. Excavation, placement, and other soil operations will be incidental to this item and will not be paid for separately.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document:
 - 1. D-5261 Test Method for Measuring Mass per Unit Area of Geotextiles
 - 2. D-4632 Test Method for Grab Breaking Load and Elongation of Geotextiles
 - 3. D-4833 Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
 - 4. D-4533 Test Method for Trapezoid Tear Strength of Geotextiles
 - 5. D-4491 Test Method for Water Permeability of Geotextiles by Permittivity
 - 6. D-4751 Test Method for Determining the Apparent Opening Size of a Geotextile
 - 7. D-4355 Test Method for Deterioration of Geotextiles from Exposure to Ultraviolet Light and Water (Xenon-Arc Type Apparatus)
 - 8. EPA CG 1500 Water Solubility
 - 9. EPA CG 1600 Vapor Pressure
 - 10. Standard Specifications for Road and Bridge Construction, Illinois Department of Transportation (IDOT), most recent edition.

1.04 SUBMITTALS

- A. Submit shop drawing and/or cut sheet for review.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Product labels shall clearly show the manufacturer or supplier's name, style number, and roll number and shall include a compliance statement certifying that all ingredients and inspection standards for this product have been met.
- B. Each root control product roll shall be wrapped with a protective EVOH bag and placed in a box that will protect the product from damage due to shipment, water, sunlight, and contaminants and to prevent premature release of herbicide. The protective wrapping shall be maintained during periods of shipment and storage.

- C. During storage, root control product shall be elevated off the ground and out of direct sunlight. It shall remain sealed in EVOH protective bag inside shipping box at a temperature of not more than 110°F.

PART 2—PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

- A. 1. Polymer Group, Inc., 70 Old Hickory Blvd., Old Hickory, Tennessee 37138-3651, Toll Free: 1-800-541-5519, www.typargeosynthetics.com.

2.02 PHYSICAL AND CHEMICAL REQUIREMENTS

- A. Fibers used in the manufacture of root control barrier substrate fabric shall consist of long chain synthetic polyolefins (at least 95% by weight) and a UV stabilizer. They shall be formed into a stable network such that the filaments or yarns retain their dimensional stability relative to each other.
- B. Nodules consisting of trifluralin, carbon black, and polyethylene compounded in a patented method utilizing time-released characteristics are permanently attached to the substrate fabric on 1-1/2" centers by a through injection molding process.
- C. All substrate property values, except for apparent opening size (AOS), in these specifications represent minimum average roll values (MARV) in the weakest principal direction (i.e., average test results of any roll in a lot sampled for conformance or quality assurance testing shall meet or exceed the minimum values provided herein). Values for AOS represent maximum average roll values.
- D. Property values for trifluralin are average run values.

2.03 CERTIFICATION

- A. The Manufacturer shall provide the OWNER with a certificate stating the name, product name, style number, chemical composition and other pertinent information to fully describe the product. The Manufacturer is responsible for establishing and maintaining a quality control program to provide compliance with the requirements of the specification. Documentation describing the quality control program shall be made available upon request.
- B. The Manufacturer's certificate shall state that the root control product meets requirements of the specification as evaluated under the Manufacturer's quality control program. The certificate shall be attested to by a person who has legal authority to bind the Manufacturer.
- C. Either mislabeling or misrepresentation of materials shall be reason to reject those products.

2.04 SAMPLING, TESTING, AND ACCEPTANCE

- A. Root control substrate product shall be subject to sampling and testing to verify conformance with this specification. Acceptance shall be based on manufacturer's certifications.
- B. Testing shall be performed in accordance with the methods referenced in this specification for the indicated application. The number of specimens to test per sample is specified by each test method.

2.05 PRODUCT DESCRIPTION

A. Root barrier shall have the following characteristics:

	Overall Product Major Composition and Ingredients		Typical
Active Chemical*:	Trifluralin (a,a,a-Trufluro 2,6 - dinitro - N,N, - Dipropyl - p - toluidine)		17.5%
Inert Ingredients	100% Spunbonded Polypropylene, Polyethylene and Carbon		82.5%
	Minimum Values		
Trifluralin Characteristics	English	Metric	Test Method*
Unit Weight	3.9 oz/yd ²	130 g/m ²	ASTM D-5261
Grab Tensile Strength	130 lbs.	575 N	ASTM D-4632
Elongation at Break	60%	60%	ASTM D-4632
Puncture Strength	40 lbs.	175 N	ASTM D-4833
Trap Tear	60 lbs	265 N	ASTM D-4533
Permittivity	0.7 sec.	0.7 sec.	ASTM D-4491
AOS (Max Value)	0.21 mm	0.21 mm	ASTM D-4751
Ultraviolet Stability	70% @ 500 hours	70% @ 500 hours	ASTM D-4355

*Test methods or revision numbers available on request (17.5% Average trifluralin in total composite, Min. of 20% trifluralin in nodules)

¹Available from ASTM, 1916 Race Street, Philadelphia, PA 19103

PART 3—EXECUTION

3.01 INSTALLATION OF ROOT BARRIER

A. 1. Install Root Barrier System as per Manufacturer's instructions.

END OF SECTION

SECTION 02920

SEEDING

1.0 GENERAL

1.01 DESCRIPTION

- A. Seeding shall include preparation of topsoil, seeding, and hydromulch application of the area disturbed by construction, turf shoulders, or grading and shaping ditches and shall consist of furnishing all labor, materials, tools and equipment necessary to establish a stand of quality grass.
- B. The seed types and mixtures used shall be as shown on the plans and as herein specified.
- C. Any additional areas disturbed by CONTRACTOR as a result of construction operations shall be restored by CONTRACTOR in accordance with this section and will be considered incidental to the contract.

1.02 BASIS OF PAYMENT

- A. Seeding will not be paid for separately but shall be included as bid in the proposal under the item Turf Shoulder - With Topsoil, Seed, And Hydromulch. The unit price as tabulated in the Proposal shall include all labor, materials, equipment and protection.
- B. Topsoil and hydromulch shall be considered incidental and will not be paid for separately.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document:
 - 1. "Standard Specifications for Road and Bridge Construction"—latest edition, Illinois Department of Transportation:
 - a. Articles 211.01 -211.06 Topsoil.
 - b. Articles 250.01-250.07 Seeding.
 - c. Articles 251.01-251.04 Mulch.
 - d. Article 1081.03 Sod.
 - e. Article 1081.06 (a) Method (2) Mulch.
 - 2. Illinois Urban Manual (IUM) Practice 875.
 - 3. IUM Practice 880.
- B. CONTRACTOR shall adhere to the above specifications unless applicable items of work or materials are modified herein.

PART 2—PRODUCTS

2.01 TOPSOIL

- A. Topsoil shall be in accordance with Section 02961—Topsoil.

2.02 SEEDING

- A. Seeding shall be IDOT Class 1B Lawn Seed Mixture and shall be used for seeding all restored turf areas as indicated on the drawings including grading and shaping ditches area.

- B. IDOT Class 1B Lawn Seed Mixture shall consist of the following varieties in the specified amounts:
 - 1. Fine Leaf Turf-Type Fescue 150 lb/acre.
 - 2. Perennial Ryegrass 20 lb/acre.
 - 3. Red Top 10 lb/acre.
 - 4. Creeping Red Fescue 20 lb/acre.
- C. A seed tag of the proposed mixture to be used, with expiration dates, shall be submitted to OWNER's Agent for approval prior to seeding.

2.03 SEED PURITY

- A. Seeds used shall be certified, 97% purity, 85% germination. Seed shall be duly tested and the date of said test shall be indicated on tags.

3.0 EXECUTION

3.01 TOPSOIL PREPARATION

- A. Topsoil that has become crusted or hardened, shall be disked, raked or otherwise broken up and leveled to form a suitable seedbed for seeding.

3.02 SEEDING

- A. The site shall be fine graded with tiller rakes and a drag comb. Grass seed shall then be applied at a rate of not less than the specified pounds per acre. If a Brillion Seeder is used, the seedbed shall be lightly raked immediately following seeding to provide coverage of the seed.
- B. Seeding shall be performed according to either the Conventional Drill or Broadcast Methods listed in IUM Practice 880.

3.03 SEEDING TIMES

- A. Planting times for Lawn Seeding shall be April 1 to June 15 and August 1 to November 1 in accordance with the IDOT Specifications.
- B. Permanent seeding shall be used whenever possible and in no cases shall CONTRACTOR prolong final shaping and grading so that the entire project can be permanently seeded at one time. If seeding restoration of a portion of the project does not fall within the specified seeding times, CONTRACTOR shall plant temporary seeding until such time that permanent seeding can occur. Temporary seeding shall consist of Spring Oats or Annual Ryegrass planted at the rate of 100 pounds per acre to all bare areas regardless of weather conditions or progress of the work. Temporary seeding shall be considered incidental to the contract and will not be paid for separately.

3.04 TURF GERMINATION/GUARANTEE

- A. CONTRACTOR shall be responsible for the turf until smooth, uniform and stabilized turf is established and is acceptable to the OWNER's Agent. Areas showing germination failure shall be over-seeded at CONTRACTOR's expense. OWNER or OWNER's representative shall determine when an acceptable stand of turf has been established and reserves the right to wait one entire growing season or over the winter to verify the germination and quality of turf, if necessary.

END OF SECTION

SECTION 02961

TOPSOIL

PART 1—GENERAL

1.01 DESCRIPTION

- A. This section includes testing, incorporating necessary soil amendments, subgrade preparation, and installation of topsoil material in conjunction with the restoration areas.

1.02 BASIS OF PAYMENT

- A. Topsoil will not be paid for separately but shall be included as bid in the proposal under the item Turf Shoulder - With Topsoil, Seed, And Hydromulch. The unit price as tabulated in the Proposal shall include all labor, materials, equipment and protection. Excavation, placement, and other soil operations will be incidental to this item and will not be paid for separately.

1.03 INCORPORATED SPECIFICATIONS

- A. The following specifications are incorporated into this document:
 - 1. ASTM D 422-63 Test Method for Particle-Size Analysis of Soil.
 - 2. ASTM D 2487 Standard Classification of Soils for Engineering Purposes .
 - 3. ASTM D 4972 pH of Soils.
 - 4. AASHTO T 194 Organic content of soils.
 - 5. USDA (2004). Soil Survey Investigations Report No. 42 Soil Survey Laboratory Methods Manual Version 4.0.
 - 6. Standard Specifications for Road and Bridge Construction, Illinois Department of Transportation (IDOT), most recent edition.

1.04 DEFINITIONS

- A. Finish Grade: Elevation of finished surface of planting soil.
- B. Topsoil: Native or imported topsoil, manufactured topsoil, or surface soil modified to become topsoil; mixed with soil amendments.
- C. Subgrade: Surface or elevation of subsoil remaining after completing excavation, or top surface of a fill or backfill, before placing amended soil.

1.05 SUBMITTALS

- A. Test Reports: Prior to starting work, submit two certified copies of soil test reports to Landscape Architect for approval.
 - 1. Soils imported to this site shall provide written certification that states source of material.
 - 2. Refer to Paragraph 1.05.C and Part 2 of this Section for required test parameters.
- B. Sand: Provide gradation and source.

- C. Organic Material Certificates: Prior to product delivery, provide certification of compliance that material meets the specified requirements of this Section. The composition and source of the organic material shall be provided. Biosolids from municipality sewage treatment will not be accepted.
- D. Qualification Data: For Contractor and Landscape Installer.
- E. Work Schedule: Indicating anticipated dates for topsoil and amended soil installation.
- F. Installation Conditions: Date and site conditions at time of installation of amended soils including weather (temperature, winds, precipitation, etc.) conditions.

1.06 QUALITY ASSURANCE

- A. CONTRACTOR's Qualifications:
 - 1. Workmanship: CONTRACTOR shall demonstrate that they have the equipment and expertise to perform the requirements of the installation conditions for this section and have been employed in similar types of work of similar size and scope within the last three years. CONTRACTOR(s) shall provide a list of similar types of projects and references.
 - 2. OWNER will review and approve all CONTRACTOR qualifications prior to contract award.
 - 3. CONTRACTOR shall comply with all federal, state and local ordinances, and permits issued for the project.
- B. Soil-Testing Laboratory: Use certified facilities recognized by the State Department of Agriculture that normally engage in agronomic soil testing and are experienced and capable to conduct the testing indicated within this section.
- C. Soil Sampling:
 - 1. All soil sampling and testing shall comply with procedures specified in USDA Soil Survey Investigations Report No. 42 Soil Survey Laboratory Methods Manual Version 4.0, November 2004.
 - 2. Soil Reports: At a minimum include the following in each Soil Report:
 - a. Sampling: Methods used to achieve a true representation of soil variability.
 - b. Soil Analysis: Make mechanical and chemical analysis of soil materials, including topsoil brought to the site and existing topsoil on site. Test for the following characteristics: sieve size, pH, percentage of organic content; and viable weed reproductive parts. Provide certified written reports.
 - c. Interpretation: Report on suitability of proposed soil type for growing plants as indicated in the Plans and propose recommended quantities of amendments to be added. Substantiate with data and/or research any proposed alternatives.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Coordinate with OWNER's Representative for delivery and storage of required materials for this Section. Coordinate with Site Engineer and review plan documents for acceptable location(s) of stockpiles. No stockpiles shall be placed within 25 feet of the wetland boundaries.

1.08 SCHEDULING/COORDINATION

- A. Consult OWNER's Representative for a detailed construction schedule that indicates the timeframes during which all planting must be completed. In addition, coordinate soil placement with preparation activities and recommended seeding/planting schedule to meet the requirements of this section and provide the required maintenance from date of Substantial Completion.

PART 2—PRODUCTS

2.01 TOPSOIL

- A. Topsoil shall be a natural loam uniformly composed from the A-horizon of soil profiles of local soils without admixture of subsoil, fertile, friable (i.e. not pulverized), free from clay lumps, brush, litter, stones, roots, or similar objects larger than 1-inch in any dimension, or other materials deleterious to plant growth, and shall be of clean material that is also free of weed propagules (seeds, rhizomes, and plants) including but not limited to *Cirsium arvense*, *Arctium minus*, *Lythrum salicaria*, *Phalaris arundinacea*, *Phragmites australis*, *Rhamnus cathartica*, *Typha latifolia*, and *Typha angustifolia*.

1. Topsoil Sources:

- Off-site Topsoil Source: Obtain topsoil displaced from naturally well-drained construction sites where topsoil occurs at least four (4) inches deep; do not obtain from wetlands, e.g., marshes, fens, wet prairie, etc. Topsoil shall not have been stockpiled or stored for more than one year.
- On-site Topsoil Source: Amend existing in-place surface soil to produce topsoil. Verify suitability of surface soil to produce acceptable topsoil. Clean surface soil of roots, plants, sod, stones, clay lumps, and other extraneous materials harmful to plant growth.
- Material stripped from the following sources shall not be considered suitable for use as planting soil: chemically contaminated soils, areas from which the original surface has been stripped and/or covered over such as borrow pits, open mines, demolition sites, dumps, and sanitary landfills.

2. Topsoil Parameters:

- Soil texture shall consist of 35 to 40% sand, 45 to 50% silt, and 10 to 15% clay as determined by mechanical analysis and based on the USDA classification system.
- The pH range shall be 6.0 to 7.5. Topsoil that does not meet this pH range shall be amended by the addition of pH buffers approved by the Landscape Architect.
- Organic content shall not be less than 8 percent and not greater than 10 percent determined by loss through ignition.
- Nutrient data to be given in parts per million (ppm) dry soil.
- Determine silt and clay content by Bouyoucos Hydrometer Test. Clay shall range between 10 percent and 15 percent. Sieve size tests shall meet the following parameters:

Sieve Designation	Percent Passing
1 inch screen	100
1/4 inch screen	97-100
No. 10 U.S.S. mesh sieve	95-100
No. 140 U.S.S.	15-35

Percentages shall be based on dry weight of the sample.

- B. Topsoil Amendments: Use amendment types as recommended by the Soils Report and as approved by OWNER's Representative and Landscape Architect.
- C. Organic Matter: The organic matter shall be well-composted, stable, and weed-free with a pH range of 5.5 to 8. The organic matter, or hereafter referred to as the compost, shall also meet the following requirements:
 - 1. The compost shall be derived of material that consists of chipped, shredded, or ground vegetation or clean, processed, recycled wood products.
 - 2. The compost shall be processed or completed to reduce weed seeds, pathogens, and deleterious material, and shall not contain paint, petroleum products, herbicides, fungicides, or other chemical residues that would be harmful to plant or animal life. Other deleterious material, plastic, glass, metal, or rocks shall not exceed 0.1 percent by weight or volume.
 - 3. A minimum internal temperature of 57°C shall be maintained for at least 15 continuous days during the composting process. The compost shall be thoroughly turned a minimum of 5 times during the composting process and shall go through a minimum 90-day curing period after the 15-day thermophilic compost process has been completed. Compost shall be screened through a maximum 9.5 mm screen.
 - 4. The moisture content of the compost shall not exceed 35 percent. Compost products with a higher moisture content may be used provided the weight of the compost is increased to equal the compost with a moisture content of 35 to 40 percent.
 - 5. Compost shall be tested for maturity and stability. The compost shall measure a minimum of 6 on the maturity and stability scale.

PART 3-EXECUTION

3.01 PLACEMENT OF SOIL

- A. General:
 - 1. Before soil placement, the area to be covered shall be free from debris and deleterious materials, including but not limited to building materials, concrete, road base type materials, petroleum-based chemicals, oils, and other harmful materials.
 - 2. CONTRACTOR shall give OWNER's Representative sufficient notice before soil placement to allow observation of the site.
 - 3. Placement of topsoil shall be done in a manner and coordinated with construction access and construction schedule as to minimize traffic over soil lifts and the final grade so as to prevent undesirable soil compaction.
- B. Subgrade Preparation and Placement of Topsoil. Do not prep subgrade or spread if topsoil or subgrade is frozen, muddy, or excessively wet.
 - 1. Landscape Bed.
 - a. Subgrade shall be loosened to a minimum depth of 6 inches.
 - b. Spread approximately one-half the thickness of required topsoil over scarified subgrade. Mix thoroughly into top 2 inches of subgrade. Spread remainder of topsoil. Refer to plan documents earthwork construction notes for required depth of topsoil within the naturalized landscape planting zones.
 - 2. Placed topsoil shall be lightly compacted to provide compaction of approximately 80% maximum dry density. All depressions or surface irregularities caused by topsoiling or other operations shall be corrected to provide a smooth and even finish to the required grade.

3. CONTRACTOR shall place construction fencing or other approved barriers to prevent compaction of placed topsoil from vehicle, equipment, or foot traffic.

3.02 PLANTING BED PREPARATION

- A. Comply with Section 02920–Seeding for planting bed preparation.

3.03 VEGETATION COVER

- A. Permanent seed matrix and plug material shall comply with Section 02920–Seeding for the anticipated installation timeframes.
- B. A cover crop shall be installed in conjunction with the seeding of the permanent matrix for the naturalized landscape areas if timing is appropriate. Otherwise, a cover crop shall be installed immediately following fine grading and the permanent seed matrix shall be installed at the next installation season.
- C. Comply with Section 02920–Seeding for planting methods, maintenance requirements, and warranty periods.
- D. The newly planted site shall be protected from any equipment, foot traffic, and erosion. In this regard, a construction fence and/or silt fence with appropriate signage shall be erected to protect the naturalized landscape and wetland restoration areas.

3.04 CLEAN-UP, REPAIRS, AND PROTECTION

- A. Comply with Section 02920–Seeding.
- B. Clean pavements and keep work areas clean during topsoil and amended soil placement work. Remove all debris and legally dispose offsite.
- C. Provide temporary protection, such as construction fences, silt fences, etc. as needed to restrict traffic, permit plant growth, protect completed work, and so that the work is without damage or deterioration at time of final acceptance. Remove and replace damaged work prior to acceptance.

END OF SECTION

Proposal Form

Contractor Name: _____

1. Project Identification:

Old Plank Road Trail Pavement Rehabilitation

2. Bid Opening:

Date: Monday, June 23, 2025

Time: 9:30 a.m. Central Time

Place: Forest Preserve District of Will County
Sugar Creek Administration Center
17540 W. Laraway Road
Joliet, Illinois 60433

3. References:

Contractor shall submit a minimum of 3 references confirming their ability to perform the proposed work in a quality and timely manner.

<u>Contact Person</u>	<u>Company Name/Address/City/Phone/email</u>	<u>Date Work Completed</u>
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A. _____	_____	_____
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() _____

B. _____	_____	_____
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() _____

C. _____	_____	_____
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() _____

Contractor Name: _____

Project Identification: Old Plank Road Trail Pavement Rehabilitation _____

4. Contract Document Checklist:

The following is a checklist of documents which should appear in the Bid packet. Bidder shall complete the checklist and contact the Forest Preserve if any of the documents have been omitted.

Section	No. of Pages	Yes	No
Invitation for Bids	2	<input type="checkbox"/>	<input type="checkbox"/>
Instructions to Bidders	3	<input type="checkbox"/>	<input type="checkbox"/>
General Conditions	20	<input type="checkbox"/>	<input type="checkbox"/>
Technical Specifications	47	<input type="checkbox"/>	<input type="checkbox"/>
Proposal Form	7	<input type="checkbox"/>	<input type="checkbox"/>
Map Overview	1	<input type="checkbox"/>	<input type="checkbox"/>
Plans	76	<input type="checkbox"/>	<input type="checkbox"/>

5. Acknowledgments:

A. Apprenticeship or Training Program Certification for all construction contracts:

The Forest Preserve District of Will County Procurement Ordinance No. 419 requires this contract to be awarded to the lowest responsive and responsible bidder. In addition to all other responsibility factors, this contract requires all bidders and all bidders' subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

- I. Except as provided in paragraph IV below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
- II. The undersigned bidder further certifies for work to be performed by subcontract that each of its subcontractors submitted for approval either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.
- III. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

- IV. Except for any work identified above, any bidder or subcontractor that shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforce and positions of ownership. ☐

Contractor Name: _____

Project Identification: Old Plank Road Trail Pavement Rehabilitation _____

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Forest Preserve at any time before or after award may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

☐ Does not apply ☐ Yes ☐ No

- B. Receipt and Understanding of Documents and Inspection of Work Site: Bidder has received and examined a complete set of Contract Documents and understands the meaning of their content. Bidder also has inspected the Project's Work Site. Bidder shall willingly comply with the guidelines set forth in the Contract Documents and waives all rights to claim misunderstanding regarding the same.

☐ Yes ☐ No

- C. Non-Collusion: Bidder declares that the only person or parties interested in this proposal are those names herein and that the proposal is made without collusion with any other person, firm, or corporation.

☐ Yes ☐ No

- D. Small Business Enterprise Initiative: Bidder has reviewed the Instructions to Bidders, Section 5, and qualifies as the following:

Small Business Enterprise	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Minority Business Enterprise	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Female Business Enterprise	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Persons with Disabilities Enterprise	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If your business does not qualify under any of these categories check here. ☐ Does not apply

The Forest Preserve reserves the right to require Bidder to submit documentation of the above information at the time of contract award.

- E. Addendum: Bidder acknowledges receipt of the following addendum to the Contract and has attached the addendum to the Proposal Form. When addenda to the Contract were not issued, indicate "None."

Addendum Number Date of Addendum

- F. Legal Obligations: Contractor and its subcontractors shall at all times observe and comply with all federal, state, and local laws, regulations, and ordinances that in any manner affect the conduct of the Work, including all anti-discrimination, prevailing wage, and safety laws.

Contractor Name: _____

Project Identification: Old Plank Road Trail Pavement Rehabilitation _____

6. Subcontractors:

When chosen as the successful Contractor, the products and services of the following subcontractors will be used in the completion of the Contract. All listed subcontractors, and the substitution of any of those listed below, shall be subject to approval by Project Manager prior to the start of their work on the project. Attach additional sheets as necessary. Please indicate if a subcontractor qualifies under the Forest Preserve's Small Business Enterprise Initiative outlined in Section 5 of the Instructions to Bidders. When no subcontractors are to be used, indicate "None."

Name/Firm	Company Name/Address/City/Phone/email	Work to be Performed/ Materials to Provide
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A. _____	_____	_____
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☐ SBE ☐ MBE ☐ FBE ☐ PDBE

()

B. _____	_____	_____
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☐ SBE ☐ MBE ☐ FBE ☐ PDBE

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C. _____	_____	_____
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☐ SBE ☐ MBE ☐ FBE ☐ PDBE

()

D. _____	_____	_____
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☐ SBE ☐ MBE ☐ FBE ☐ PDBE

()

Contractor Name: _____

Project Identification: Old Plank Road Trail Pavement Rehabilitation

7. Price Schedule:

TOTAL BASE BID AMOUNT (summation of item totals which are the extension of the unit costs multiplied by the quantity)

_____ Dollars
and _____ Cents (\$ _____)

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
<u>BASE BID:</u>					
1	COLD MILLING, 1.5"	2,700	SY	\$	\$
2	COLD MILLING, TAPER	2,450	SY	\$	\$
3	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	50	SY	\$	\$
4	CONCRETE REMOVAL	1,025	SF	\$	\$
5	PAVEMENT REMOVAL	350	SY	\$	\$
6	EARTHWORK	1	LS	\$	\$
7	ROOT BARRIER	2,725	LF	\$	\$
8	TREE ROOT PRUNING	5	EA	\$	\$
9	TREE PRUNING (1 TO 10 INCH DIAMETER)	5	EA	\$	\$
10	TREE PRUNING (OVER 10 INCH DIAMETER)	5	EA	\$	\$
11	TRAIL RECONSTRUCTION	320	SY	\$	\$
12	AGGREGATE BASE COURSE, TYPE B 6"	80	SY	\$	\$
13	CLASS D PATCHES, TYPE 1, 3.5"	90	SY	\$	\$
14	CLASS D PATCHES, TYPE 2, 3.5"	170	SY	\$	\$
15	CLASS D PATCHES, TYPE 3, 3.5"	170	SY	\$	\$
16	CLASS D PATCHES, TYPE 4, 3.5"	130	SY	\$	\$
17	PC CONCRETE SIDEWALK, 5 INCH	780	SF	\$	\$
18	PC CONCRETE PAD, 5 INCH	1,890	SF	\$	\$
19	DETECTABLE WARNINGS	625	SF	\$	\$
20	HMA SURFACE COURSE, MIX "D", IL-9.5, N50, 1.5 INCH	4,200	TON	\$	\$

Contractor Name: _____

Project Identification: Old Plank Road Trail Pavement Rehabilitation

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
<u>BASE BID:</u>					
21	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	1	EA	\$	\$
22	METAL FLARED END SECTIONS 12"	1	EA	\$	\$
23	PIPE UNDERDRAINS, TYPE 2, 6"	140	LF	\$	\$
24	STONE RIPRAP, CLASS A3	89	SY	\$	\$
25	FILTER FABRIC	89	SY	\$	\$
26	REMOVE, TEMPORARILY STORE, AND REPLACE EXISTING RIPRAP, 8" DEPTH	55	SY	\$	\$
27	GRADING AND SHAPING DITCHES	348	LF	\$	\$
28	PIPE CULVERTS, CLASS A, TYPE 1 12"	14	LF	\$	\$
29	PIPE CULVERTS, CLASS C, TYPE 1 12"	29	LF	\$	\$
30	CLEANOUTS	3	EA	\$	\$
31	DRAINAGE STRUCTURE, 24" NYLOPLAST DRAIN BASIN	1	EA	\$	\$
32	PAINT PAVEMENT MARKING, 4" LINE, YELLOW	2,350	LF	\$	\$
33	PAINT PAVEMENT MARKING, 12" LINE, WHITE	180	LF	\$	\$
34	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	2,915	LF	\$	\$
35	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	51	EA	\$	\$
36	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	46	EA	\$	\$
37	TURF SHOULDER - WITH TOPSOIL, SEED, AND HYDROMULCH	12,500	SY	\$	\$
38	COLLAPSIBLE BOLLARD REMOVE AND REPLACE	28	EA	\$	\$
39	WOOD BOLLARD, COMPLETE	64	EA	\$	\$
40	STOP/ STOP AHEAD SIGN, COMPLETE	54	EA	\$	\$
41	BIKE AHEAD / BIKE CROSSING SIGN, COMPLETE	6	EA	\$	\$
42	TRAILHEAD SIGN, COMPLETE	26	EA	\$	\$
43	MOBILIZATION	1	LS	\$	\$
44	TRAFFIC CONTROL	1	LS	\$	\$
BASE BID TOTAL:					\$

Contractor Name:_____

Project Identification: Old Plank Road Trail Pavement Rehabilitation_____

*** NOTE: A price must be bid for each item in the Bid, even though the estimated quantity is zero. Unbalanced or unreasonable unit prices may cause rejection of the Bid.**

All Lump Sum and Unit Cost Items contained in this Proposal Form must be completed by the Contractor in accordance with Section 6 of the Instructions to Bidders. The Forest Preserve retains the right to accept or reject incomplete bids in accordance with Section 6 of the Invitation to Bids.

8. Contractor Information:

Contractor/Firm_____

(Seal)

Submitted By_____

Name

Title

Address_____

Street

City

State

Zip

Telephone_____ Fax_____ Email_____





I HEREBY CERTIFY THAT IF THE ABOVE BID IS ACCEPTED BY THE FOREST PRESERVE DISTRICT OF WILL COUNTY, THE UNDERSIGNED WILL ENTER INTO A CONTRACT WITH THE FOREST PRESERVE AND WILL PERFORM AND GUARANTEE THE WORK AS SPECIFIED IN THE CONTRACT DOCUMENTS.

Signature_____ Date_____

Forest Preserve District of Will County
Washington St. Access to Schoolhouse Road
Old Plank Road Trail Resurfacing

Hickory Creek Preserve

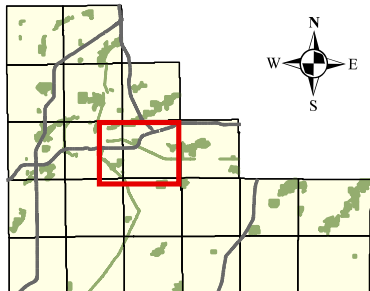
Old Plank Road Trail

-  Project Location
-  Forest Preserve Property
-  Other Public Property
-  Waterways

FOREST PRESERVE DISTRICT
WILL COUNTY

0 0.4 0.8 1.6
Miles

Aerial Source: 2014 USDA's National Agriculture Imagery Program



Frankfort Township
Will County

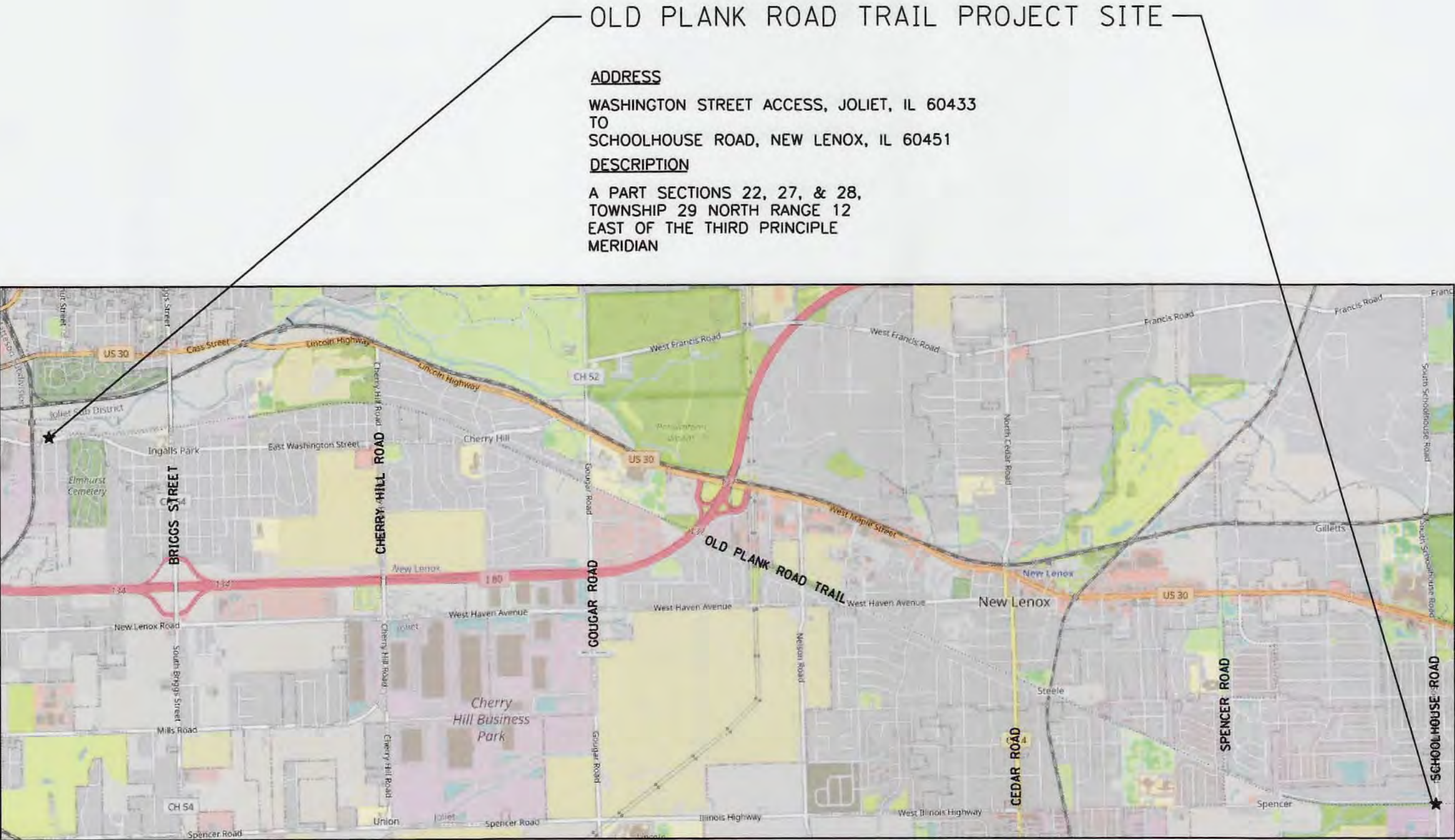
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION

FOR THE

FOREST PRESERVE DISTRICT OF WILL COUNTY

WILL COUNTY, ILLINOIS

SHEET NO.	DRAWING TITLE
1	COVER AND INDEX OF SHEETS
2	GENERAL NOTES AND CONTACTS
3-4	ALIGNMENT, TIES, AND BENCHMARKS
5	OVERALL PLAN
6	ACCESS POINT REMOVAL PLAN - WASHINGTON STREET ACCESS (ENTRANCE)
7	ACCESS POINT REMOVAL PLAN - RYAN'S COLLISION SERVICE ACCESS
8	REMOVAL PLAN - PEALE STREET
9	ACCESS POINT REMOVAL PLAN - PARK ROAD ACCESS
10	ACCESS POINT REMOVAL PLAN - KENMORE AVENUE ACCESS
11	ACCESS POINT REMOVAL PLAN - CHERRY HILL ROAD ACCESS
12	ACCESS POINT REMOVAL PLAN - EAST WASHINGTON STREET ACCESS
13	ACCESS POINT REMOVAL PLAN - GOUGAR ROAD ACCESS
14	ACCESS POINT REMOVAL PLAN - NELSON ROAD ACCESS
15	ACCESS POINT REMOVAL PLAN - HAVEN AVENUE & GEAR DRIVE ACCESS
16	ACCESS POINT REMOVAL PLAN - WILDWOOD DRIVE ACCESS
17	ACCESS POINT REMOVAL PLAN - CEDAR ROAD ACCESS
18	ACCESS POINT REMOVAL PLAN - JOLIET HIGHWAY ACCESS
19	ACCESS POINT REMOVAL PLAN - COOPER ROAD ACCESS
20	ACCESS POINT REMOVAL PLAN - REBELS FIELD ACCESS
21	ACCESS POINT REMOVAL PLAN - LAKE ROAD ACCESS
22	ACCESS POINT REMOVAL PLAN - SPENCER ROAD ACCESS
23	ACCESS POINT REMOVAL PLAN - SCHOOLHOUSE ROAD ACCESS
24	ACCESS POINT GRADING PLAN - WASHINGTON STREET (ENTRANCE)
25	ACCESS POINT GRADING PLAN - COLLISION CENTER
26	ACCESS POINT GRADING PLAN - PARK ROAD
27	ACCESS POINT GRADING PLAN - KENMORE AVENUE
28	ACCESS POINT GRADING PLAN - CHERRY HILL ROAD
29	ACCESS POINT GRADING PLAN - EAST WASHINGTON STREET
30	ACCESS POINT GRADING PLAN - GOUGAR ROAD
31	ACCESS POINT GRADING PLAN - NELSON ROAD
32	ACCESS POINT GRADING PLAN - HAVEN AVENUE AND GEAR DRIVE
33	ACCESS POINT GRADING PLAN - WILDWOOD DRIVE
34	ACCESS POINT GRADING PLAN - CEDAR ROAD
35	ACCESS POINT GRADING PLAN - JOLIET HIGHWAY
36	ACCESS POINT GRADING PLAN - COOPER ROAD
37	ACCESS POINT GRADING PLAN - LAKE ROAD
38	ACCESS POINT GRADING PLAN - SPENCER ROAD
39	ACCESS POINT GRADING PLAN - SCHOOLHOUSE ROAD
40	TRAIL PAVING PLAN - 1 - WASHINGTON STREET (ENTRANCE) ACCESS POINT
41	TRAIL PAVING PLAN - 2
42	TRAIL PAVING PLAN - 3
43	TRAIL PAVING PLAN - 4 - PARK ROAD ACCESS POINT
44	TRAIL PAVING PLAN - 5 - KENMORE AVENUE ACCESS POINT
45	TRAIL PAVING PLAN - 6 - CHERRY HILL ROAD ACCESS POINT
46	TRAIL PAVING PLAN - 7
47	TRAIL PAVING PLAN - 8 - EAST WASHINGTON STREET ACCESS POINT
48	TRAIL PAVING PLAN - 9 - GOUGAR ROAD ACCESS POINT
49	TRAIL PAVING PLAN - 10
50	TRAIL PAVING PLAN - 11
51	TRAIL PAVING PLAN - 12
52	TRAIL PAVING PLAN - 13 - NELSON ROAD ACCESS POINT
53	TRAIL PAVING PLAN - 14 - HAVEN AVENUE AND GEAR DRIVE ACCESS POINT
54	TRAIL PAVING PLAN - 15 - WILDWOOD DRIVE ACCESS POINT
55	TRAIL PAVING PLAN - 16 - CEDAR ROAD ACCESS POINT
56	TRAIL PAVING PLAN - 17 - JOLIET HIGHWAY ACCESS POINT
57	TRAIL PAVING PLAN - 18
58	TRAIL PAVING PLAN - 19
59	TRAIL PAVING PLAN - 20 - LAKE ROAD ACCESS POINT
60	TRAIL PAVING PLAN - 21 - SPENCER ROAD ACCESS POINT
61	TRAIL PAVING PLAN - 22
62	TRAIL PAVING PLAN - 23 - SCHOOLHOUSE ROAD ACCESS POINT
63	JOLIET HIGHWAY REALIGNMENT - PLAN AND PROFILE
64	JOLIET HIGHWAY REALIGNMENT - CROSS-SECTIONS - 1
65	JOLIET HIGHWAY REALIGNMENT - CROSS-SECTIONS - 2
66	DRAINAGE IMPROVEMENTS PLAN AND PROFILE - STA. 220+00
67	DRAINAGE IMPROVEMENTS PLAN AND PROFILE - PEALE STREET
68	STANDARD CONSTRUCTION DETAILS - 1
69	STANDARD CONSTRUCTION DETAILS - 2
70	STANDARD CONSTRUCTION DETAILS - 3
71	TRAIL ROADWAY CROSSING DETAIL
72	ROOT BARRIER DETAIL
73-74	IDOT STANDARD DETAIL 424001-12
75	IDOT STANDARD DETAIL 424106-06
76	IDOT STANDARD DETAIL 424026-04



OLD PLANK ROAD TRAIL PROJECT SITE

ADDRESS
WASHINGTON STREET ACCESS, JOLIET, IL 60433
TO
SCHOOLHOUSE ROAD, NEW LENOX, IL 60451
DESCRIPTION
A PART SECTIONS 22, 27, & 28,
TOWNSHIP 29 NORTH RANGE 12
EAST OF THE THIRD PRINCIPLE
MERIDIAN

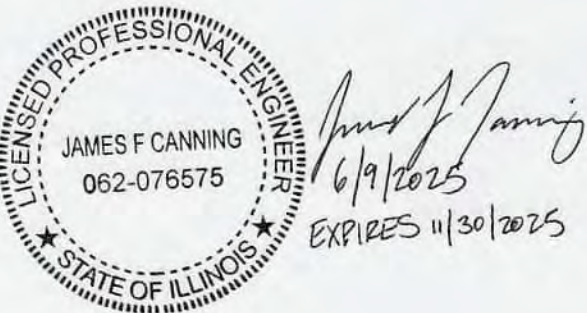
PROJECT LOCATION MAP
NO SCALE



TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU
DIG IN ILLINOIS
CALL J.U.L.I.E.
1-800-892-0123
TOLL FREE

REQUIRES MIN. OF 48 HOURS
NOTICE BEFORE YOU EXCAVATE.
(EXCLUDING SAT., SUN., & HOL.)

1170 SOUTH HOUBOLT ROAD
JOLIET, IL 60431
815-744-4200
WWW.STRAND.COM
IDFPR NO. 184-001273
CONTRACT NO. 1-2025



ISSUED FOR BID - 6/9/2025

SHEET
1
JOB NO. 6593.055

1. OWNER'S TECHNICAL SPECIFICATIONS, THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" AS PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT), AND THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS (SSWSC) SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT.
2. THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" SHALL ALSO GOVERN THE PROJECT. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AS DESIGNATED BY THE ENGINEER.

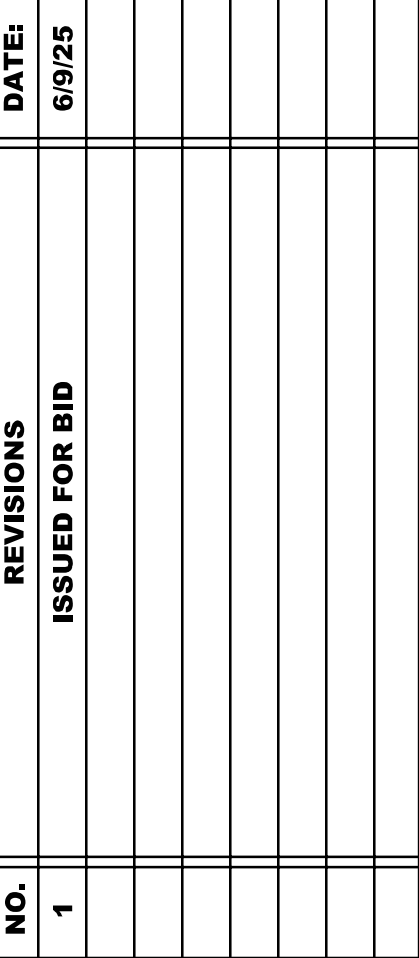
3. THE FOREST PRESERVE DISTRICT OF WILL COUNTY SHALL BE NOTIFIED A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION IMPROVEMENTS BEGINNING.
4. SITE CONDITIONS ARE SHOWN BASED UPON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL DO HIS OWN INVESTIGATIONS AT THE SITE PRIOR TO SUBMITTING A BID TO BE FULLY FAMILIAR WITH SITE CONDITIONS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT ALL EXCAVATION AND/OR TRENCHING OPERATIONS SO THAT SPRINKLER SYSTEMS, CURBS, LOCAL SERVICES, CURB BOXES, VALVES, MANHOLES, INLETS, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED BY THE OWNER.
7. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. IF THE OWNER SO DIRECTS THE CONTRACTOR, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL AND DEBRIS OFF THE SITE AS WORK PROGRESSES.
8. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLAN SET AND NOT TO THE REDUCED SIZE PLAN SET. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
9. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE OWNER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKER MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DISRUPTED BY THEIR OPERATIONS.
10. RADII ARE TO THE EDGE OF PAVEMENT AND STATION AND OFFSET LOCATIONS ARE TO CENTER OF STRUCTURE UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
11. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND REPLACE ALL SIGN PANEL ASSEMBLIES IMPACTED BY WORK AND PROVIDE TEMPORARY SIGNAGE AS NECESSARY (INCIDENTAL TO THE WORK BEING PERFORMED).
12. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING AND PROTECTING EXISTING LIGHT POLES AND PROVIDE TEMPORARY LIGHTING AS NEEDED (INCIDENTAL TO THE WORK BEING PERFORMED).

13. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AND ALL OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.
14. THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM AND IS RESPONSIBLE FOR ANY DAMAGE CAUSED.
15. THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.
16. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
17. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
18. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINES SHOWN ON THE DRAWINGS SHALL BE REPLACED.

19. ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE OWNER.
20. ALL REMOVAL ITEMS, EXCAVATION MATERIAL, AND EXCESS MATERIAL SHALL BE PROPERLY DISPOSED OF OFFSITE.
21. FINISHED SURFACES SHALL BE SMOOTH AND EVEN WITH NO ABRUPT OR AWKWARD CHANGES IN GRADE. PAVING AND SEED AREAS ARE TO MEET FLUSH AND SMOOTH.
22. CONTRACTOR SHALL RESTORE (WITH TOPSOIL AND SEEDING) ALL AREAS DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITY. TOPSOIL AND SEEDING RESTORATION OUTSIDE OF DESIGNATED CONSTRUCTION LIMITS WILL BE AT CONTRACTOR'S EXPENSE.
23. EROSION CONTROL BLANKET IS TO BE PLACED ON ALL SLOPES GRADED 3:1 (H:V) OR STEEPER.

24. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING AND AFTER THE CONSTRUCTION.
25. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORMWATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THEM. CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLAN, IF NECESSARY, AND A TEMPORARY OUTLET SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT DRAINAGE SYSTEM IS BUILT AND IN SERVICE.
26. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS NECESSARY TO ELIMINATE SEDIMENTATION INTO NON-CONSTRUCTION AREAS.
27. UNLESS OTHERWISE NOTED, LOCATIONS AND ELEVATIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT FOR GRATES IN THE CURB AND GUTTER AND TO THE CENTER OF THE GRATE/LID FOR ALL OTHER STRUCTURES. LOCATIONS AND ELEVATIONS SHOWN FOR FLARED END SECTIONS ARE AT THE CENTER END/OPENING OF THE END SECTION. FLAT TOPS AND CONES ARE TO BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE TRAIL, UNLESS OTHERWISE NOTED ON THE STRUCTURE IN THE PLANS. ALL FLAT TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.
28. DRAINAGE STRUCTURE GRADES SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. DRAINAGE STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENT SHALL BE AS REQUESTED BY THE OWNER. PROPOSED RIM ELEVATIONS SHOWN FOR DRAINAGE STRUCTURES IN THE GUTTER REFERENCE THE PROPOSED EDGE OF PAVEMENT ELEVATION.
29. THE PROPOSED DRAINAGE STRUCTURES AND PIPES SHALL BE PROTECTED IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE FULLY PAVED OR VEGETATED.
30. STORM SEWER SHALL BE RCCP OF THE TYPE AND DIAMETER NOTED IN THE DRAWINGS IN ACCORDANCE WITH ASTM C-76. JOINTS SHALL CONFORM TO ASTM C-443 FOR FLEXIBLE O-RING GASKETS.
31. PROPOSED STORM SEWER PIPE LENGTHS IN THE DRAINAGE SCHEDULES ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE OR FROM CENTER OF STRUCTURE TO END OF PRECAST CONCRETE FLARED END SECTION.
32. CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR RESTRIPING ROADWAY PAVEMENT.
33. CONTRACTOR SHALL MAINTAIN A MAXIMUM 2% CROSS SLOPE, A MAXIMUM 5% LONGITUDINAL SLOPE, AND A MINIMUM 1-1/2" HMA SURFACE COURSE THICKNESS WHILE PAVING THE TRAIL.

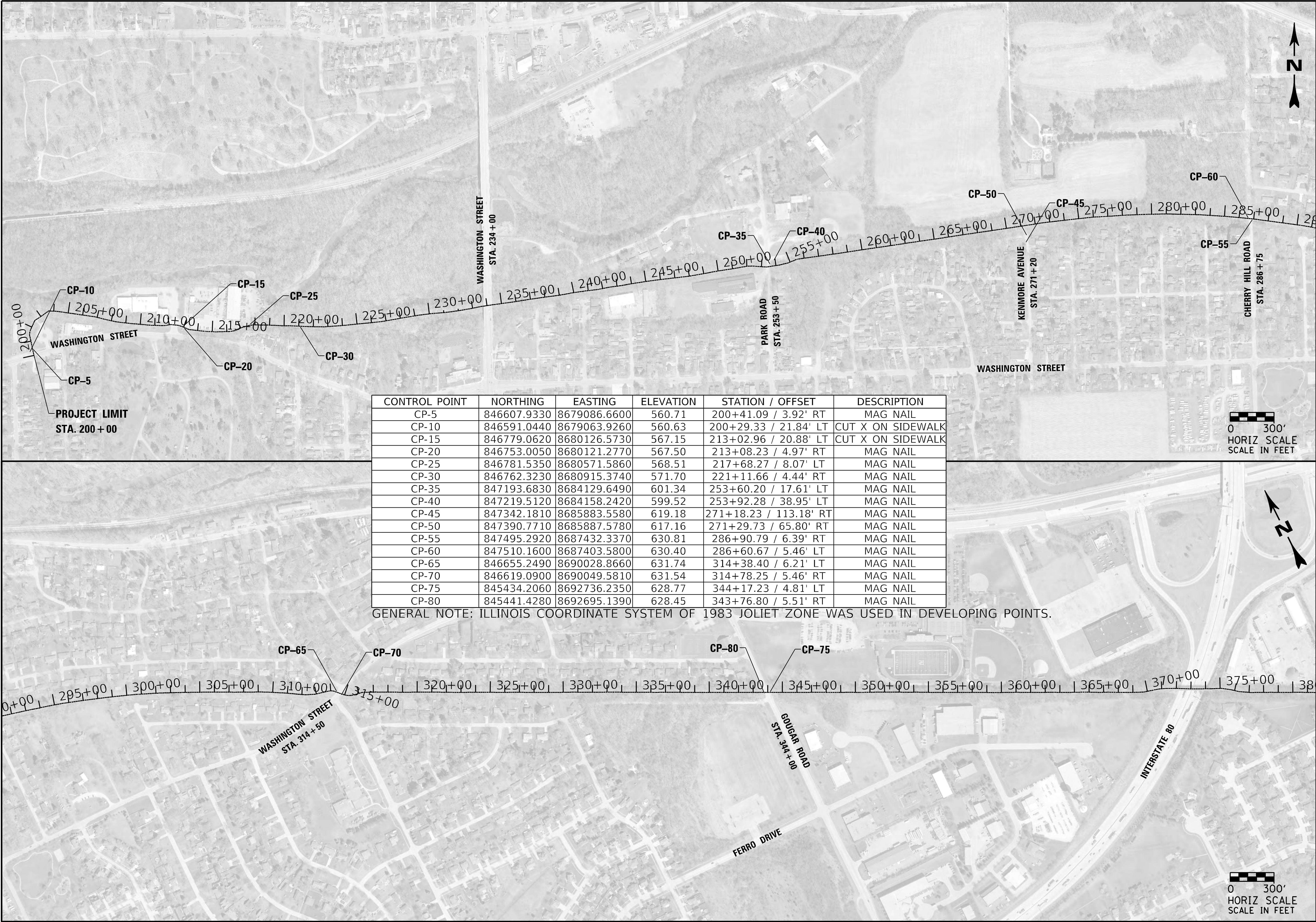
	Forest Preserve District of Will County	Strand Associates, Inc.	Forest Preserve Police	Will County Sheriff's Police (after 4pm)
Contact Person	Christopher Moeller	Jimmy Canning, P.E.		
Phone	815.409.5653	815.744.4200	815.727.8700	815.727.6191
Address	17540 W. Laraway Road Joliet IL 60433	1170 S Houbolt Road Joliet IL 60431		
Email	cmoeller@fpdwc.org	jimmy.canning@strand.com		
Notes				



**2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS**

The logo for Strand Associates, featuring a stylized 'SA' monogram above the words 'STRAND ASSOCIATES' in a bold, sans-serif font.

SHEET
2



CONTROL POINT	NORTHING	EASTING	ELEVATION	STATION / OFFSET	DESCRIPTION
CP-5	846607.9330	8679086.6600	560.71	200+41.09 / 3.92' RT	MAG NAIL
CP-10	846591.0440	8679063.9260	560.63	200+29.33 / 21.84' LT	CUT X ON SIDEWALK
CP-15	846779.0620	8680126.5730	567.15	213+02.96 / 20.88' LT	CUT X ON SIDEWALK
CP-20	846753.0050	8680121.2770	567.50	213+08.23 / 4.97' RT	MAG NAIL
CP-25	846781.5350	8680571.5860	568.51	217+68.27 / 8.07' LT	MAG NAIL
CP-30	846762.3230	8680915.3740	571.70	221+11.66 / 4.44' RT	MAG NAIL
CP-35	847193.6830	8684129.6490	601.34	253+60.20 / 17.61' LT	MAG NAIL
CP-40	847219.5120	8684158.2420	599.52	253+92.28 / 38.95' LT	MAG NAIL
CP-45	847342.1810	8685883.5580	619.18	271+18.23 / 113.18' RT	MAG NAIL
CP-50	847390.7710	8685887.5780	617.16	271+29.73 / 65.80' RT	MAG NAIL
CP-55	847495.2920	8687432.3370	630.81	286+90.79 / 6.39' RT	MAG NAIL
CP-60	847510.1600	8687403.5800	630.40	286+60.67 / 5.46' LT	MAG NAIL
CP-65	846655.2490	8690028.8660	631.74	314+38.40 / 6.21' LT	MAG NAIL
CP-70	846619.0900	8690049.5810	631.54	314+78.25 / 5.46' RT	MAG NAIL
CP-75	845434.2060	8692736.2350	628.77	344+17.23 / 4.81' LT	MAG NAIL
CP-80	845441.4280	8692695.1390	628.45	343+76.80 / 5.51' RT	MAG NAIL

GENERAL NOTE: ILLINOIS COORDINATE SYSTEM OF 1983 JOLIET ZONE WAS USED IN DEVELOPING POINTS.



DATE	6/9/25
REVISIONS	
ISSUED FOR BID	
NO.	1

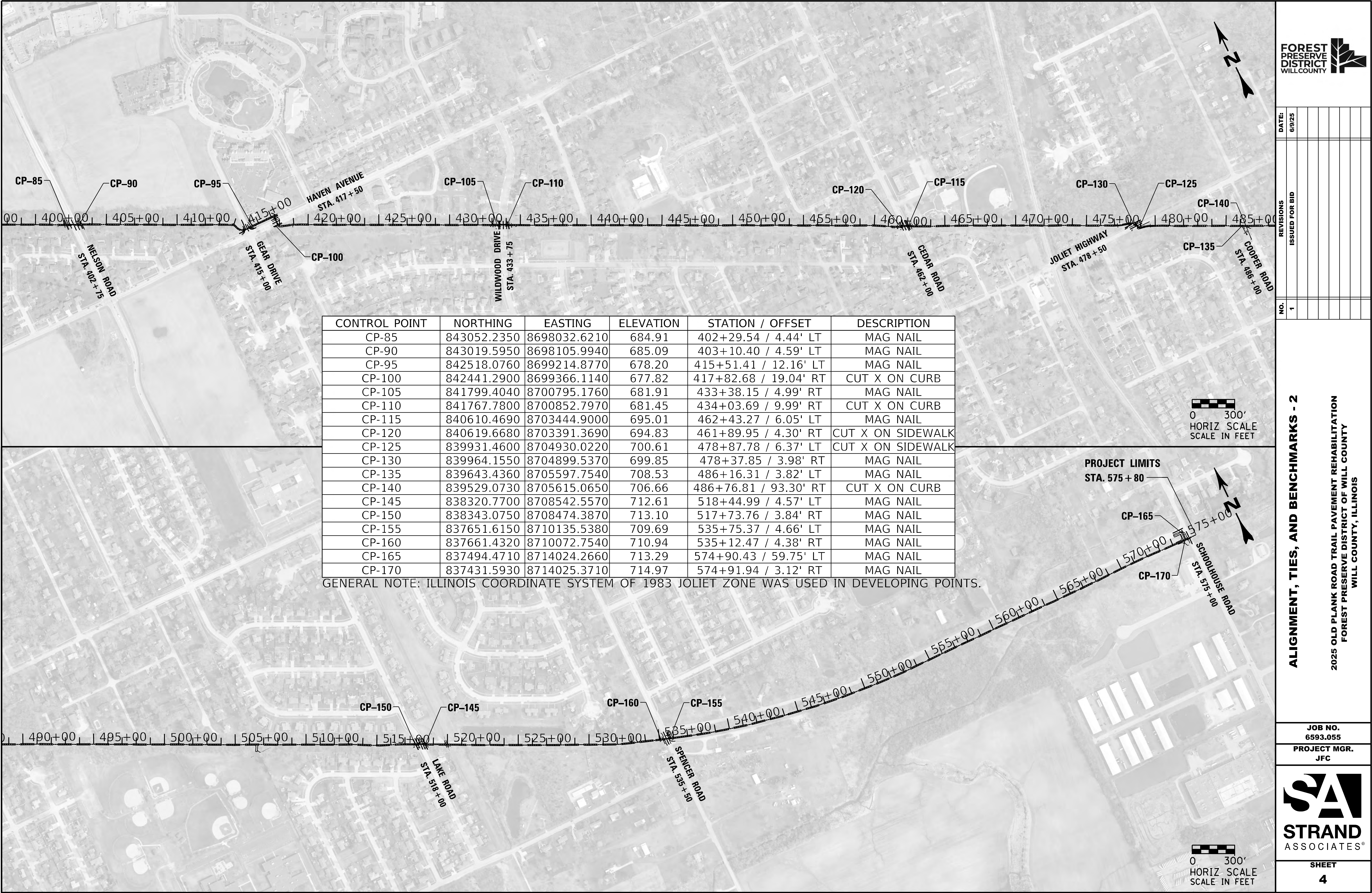
ALIGNMENT, TIES, AND BENCHMARKS - 1

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
3



CONTROL POINT	NORTHING	EASTING	ELEVATION	STATION / OFFSET	DESCRIPTION
CP-85	843052.2350	8698032.6210	684.91	402+29.54 / 4.44' LT	MAG NAIL
CP-90	843019.5950	8698105.9940	685.09	403+10.40 / 4.59' LT	MAG NAIL
CP-95	842518.0760	8699214.8770	678.20	415+51.41 / 12.16' LT	MAG NAIL
CP-100	842441.2900	8699366.1140	677.82	417+82.68 / 19.04' RT	CUT X ON CURB
CP-105	841799.4040	8700795.1760	681.91	433+38.15 / 4.99' RT	MAG NAIL
CP-110	841767.7800	8700852.7970	681.45	434+03.69 / 9.99' RT	CUT X ON CURB
CP-115	840610.4690	8703444.9000	695.01	462+43.27 / 6.05' LT	MAG NAIL
CP-120	840619.6680	8703391.3690	694.83	461+89.95 / 4.30' RT	CUT X ON SIDEWALK
CP-125	839931.4600	8704930.0220	700.61	478+87.78 / 6.37' LT	CUT X ON SIDEWALK
CP-130	839964.1550	8704899.5370	699.85	478+37.85 / 3.98' RT	MAG NAIL
CP-135	839643.4360	8705597.7540	708.53	486+16.31 / 3.82' LT	MAG NAIL
CP-140	839529.0730	8705615.0650	706.66	486+76.81 / 93.30' RT	CUT X ON CURB
CP-145	838320.7700	8708542.5570	712.61	518+44.99 / 4.57' LT	MAG NAIL
CP-150	838343.0750	8708474.3870	713.10	517+73.76 / 3.84' RT	MAG NAIL
CP-155	837651.6150	8710135.5380	709.69	535+75.37 / 4.66' LT	MAG NAIL
CP-160	837661.4320	8710072.7540	710.94	535+12.47 / 4.38' RT	MAG NAIL
CP-165	837494.4710	8714024.2660	713.29	574+90.43 / 59.75' LT	MAG NAIL
CP-170	837431.5930	8714025.3710	714.97	574+91.94 / 3.12' RT	MAG NAIL

GENERAL NOTE: ILLINOIS COORDINATE SYSTEM OF 1983 JOLIET ZONE WAS USED IN DEVELOPING POINTS.



DATE	6/9/25						
REVISIONS	ISSUED FOR BID						
NO.	1						

ALIGNMENT, TIES, AND BENCHMARKS - 2

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
4



NO.	REVISIONS	DATE
1	ISSUED FOR BID	6/9/25

OVERALL PLAN

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

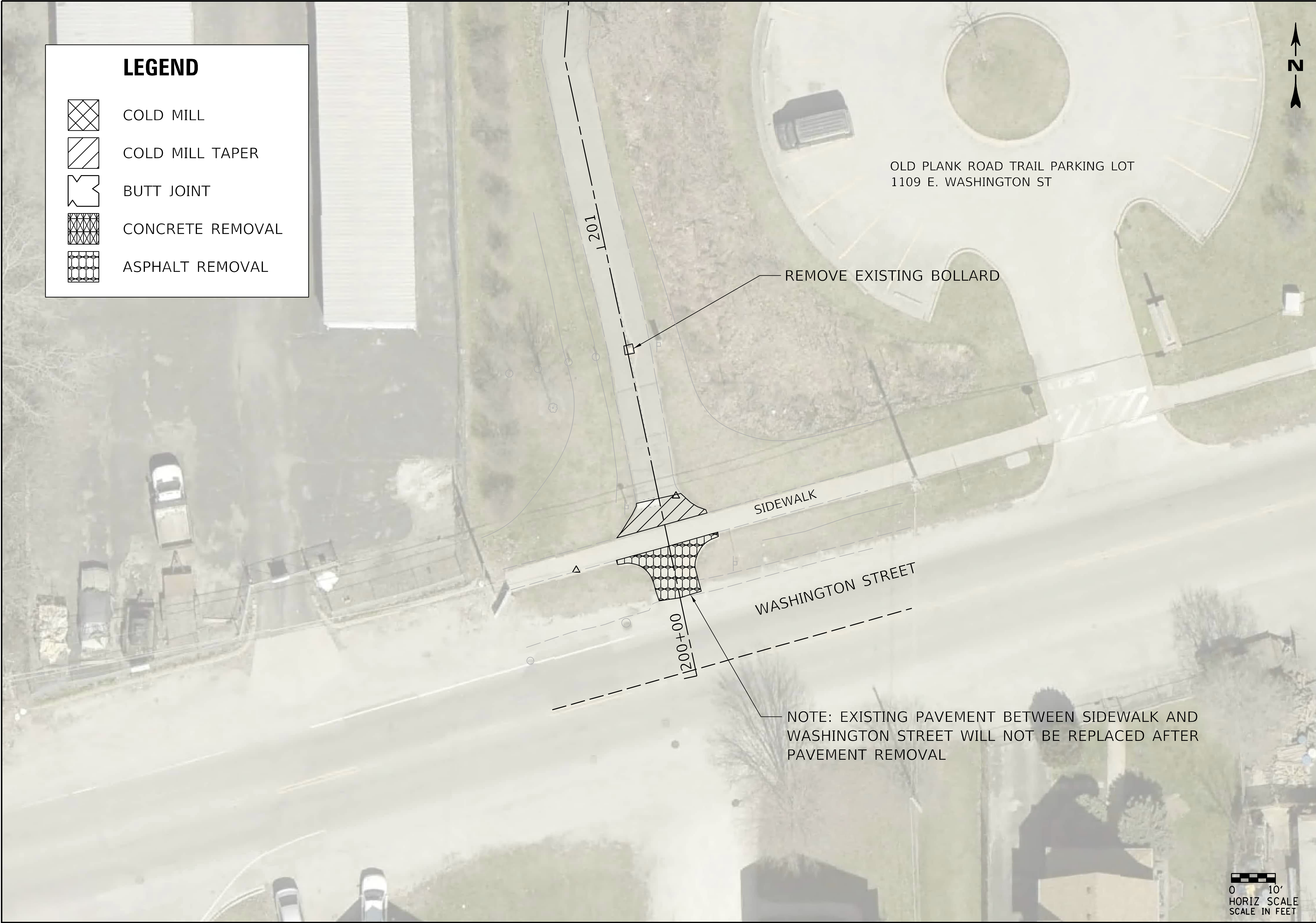
JOB NO.
6593.055

PROJECT MGR.
JFC

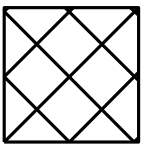
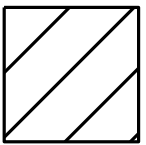

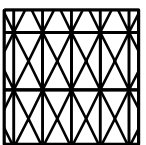
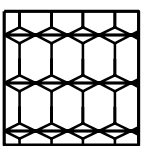


SHEET
5

0 1,250'
HORIZ SCALE
SCALE IN FEET



LEGEND

-  COLD MILL
-  COLD MILL TAPER
-  BUTT JOINT
-  CONCRETE REMOVAL
-  ASPHALT REMOVAL

OLD PLANK ROAD TRAIL PARKING LOT
1109 E. WASHINGTON ST

REMOVE EXISTING BOLLARD

SIDEWALK

WASHINGTON STREET

NOTE: EXISTING PAVEMENT BETWEEN SIDEWALK AND
WASHINGTON STREET WILL NOT BE REPLACED AFTER
PAVEMENT REMOVAL

0 10'
HORIZ SCALE
SCALE IN FEET



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

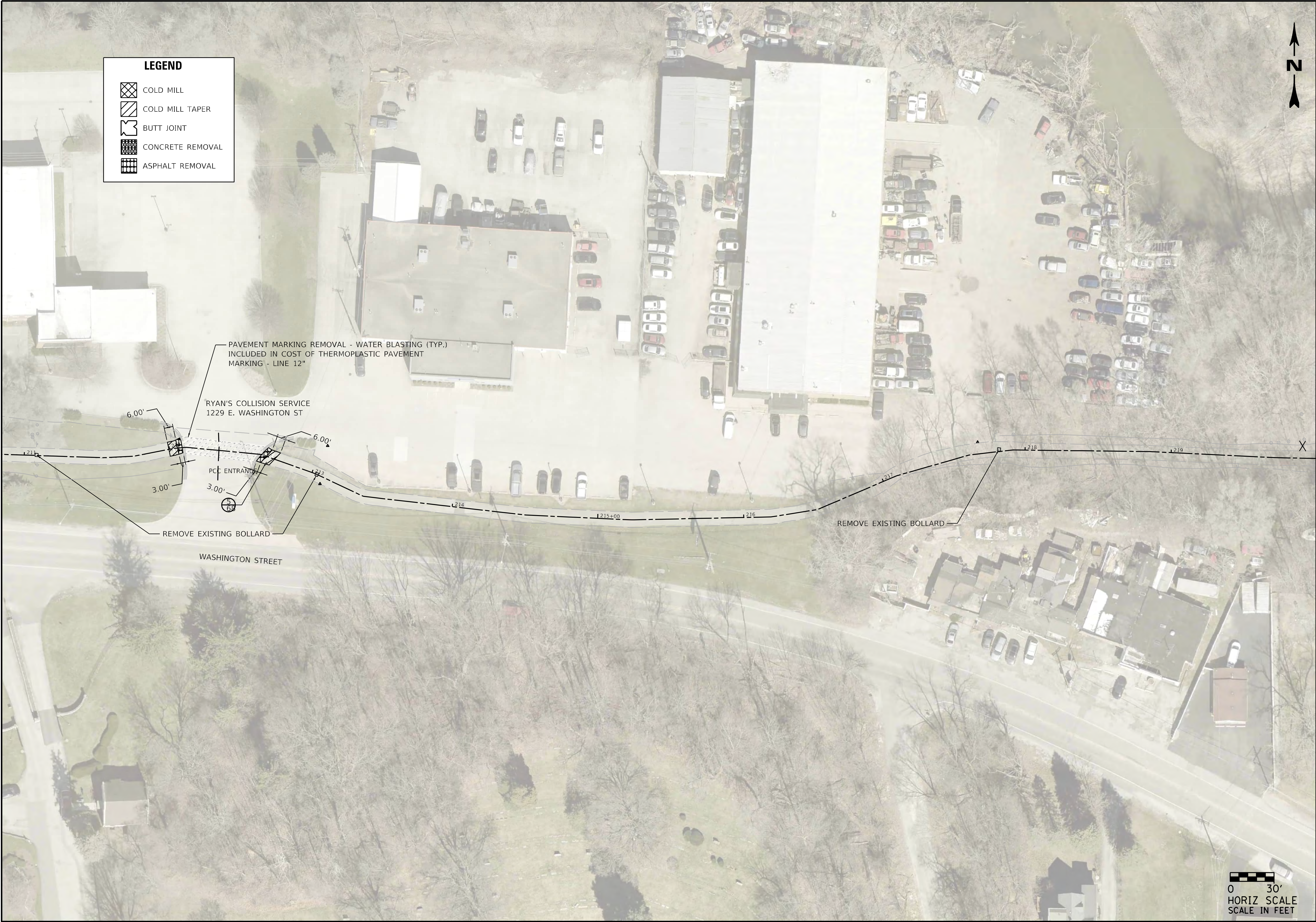
ACCESS POINT REMOVAL PLAN
WASHINGTON STREET ACCESS (ENTRANCE)

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC




SHEET
6



LEGEND

- COLD MILL
- COLD MILL TAPER
- BUTT JOINT
- CONCRETE REMOVAL
- ASPHALT REMOVAL



FOREST PRESERVE DISTRICT WILL COUNTY

NO.	REVISIONS	DATE
1	ISSUED FOR BID	6/9/25


ACCESS POINT REMOVAL PLAN

RYAN'S COLLISION SERVICE ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

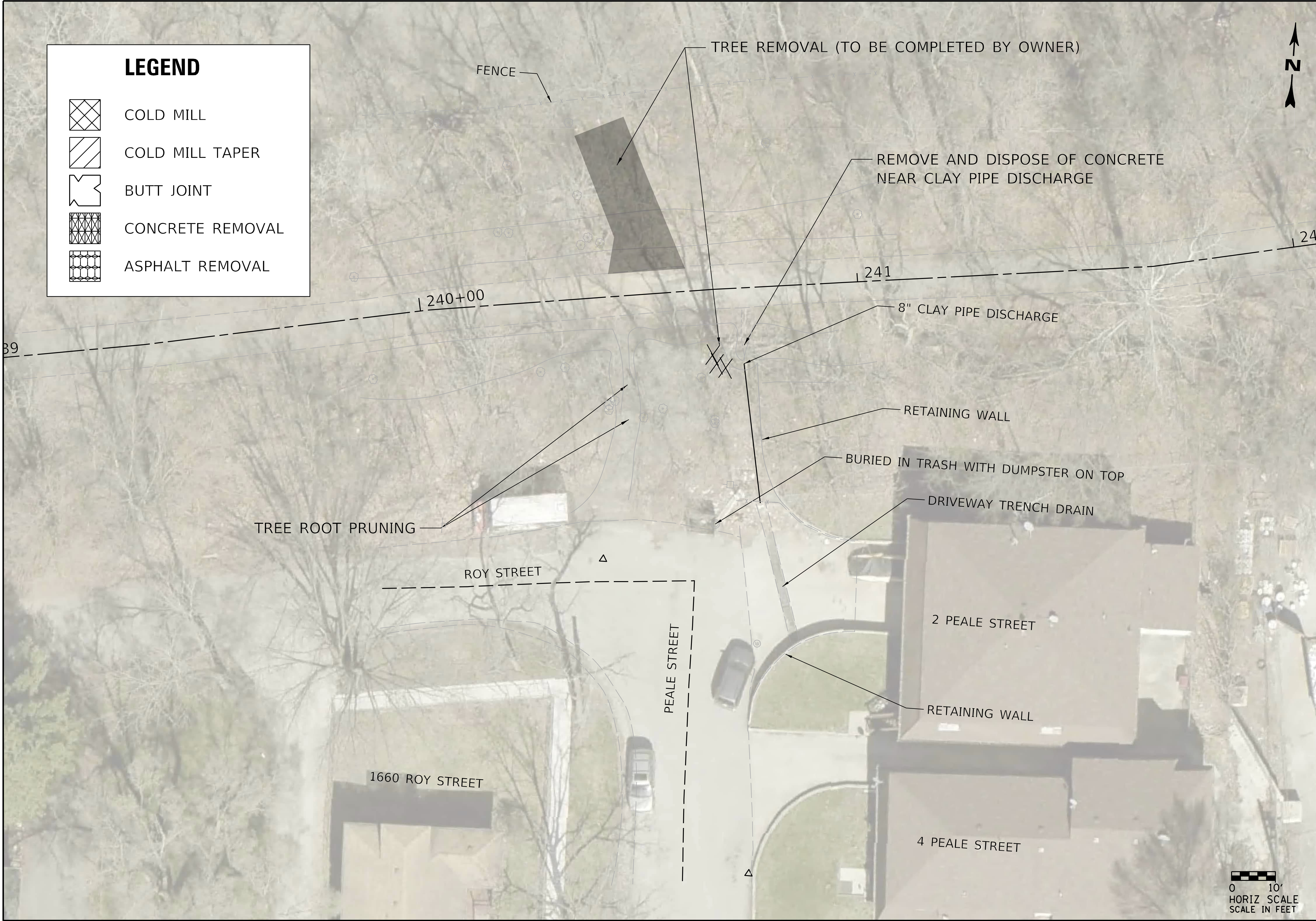
JOB NO.
6593.055

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JFC



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SHEET
7



LEGEND

COLD MILL

COLD MILL TAPER

BUTT JOINT

CONCRETE REMOVAL

ASPHALT REMOVAL

DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

REMOVAL PLAN - PEALE STREET

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

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SHEET
8

LEGEND

- COLD MILL
- COLD MILL TAPER
- BUTT JOINT
- CONCRETE REMOVAL
- ASPHALT REMOVAL

PAVEMENT MARKING REMOVAL - WATER BLASTING (TYP.)
INCLUDED IN COST OF THERMOPLASTIC PAVEMENT
MARKING - LETTERS AND SYMBOLS

PAVEMENT MARKING REMOVAL - WATER BLASTING (TYP.)
INCLUDED IN COST OF THERMOPLASTIC PAVEMENT
MARKING - LINE 12"

OLD PLANK ROAD TRAIL ACCESS - PARKING LOT

PARK ROAD

6.00'

253

3.00'

6.00'

3.00'

254

6.00'

255+00

36.16'

6.00'

REMOVE EXISTING BOLLARD

0 10'
HORIZ SCALE
SCALE IN FEET



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT REMOVAL PLAN
PARK ROAD ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

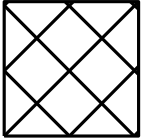
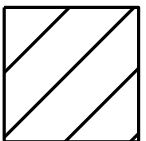

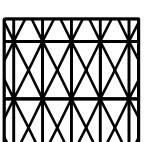
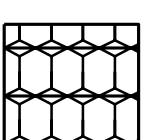
JOB NO.
6593.055
PROJECT MGR.
JFC




SHEET
9



LEGEND

-  COLD MILL
-  COLD MILL TAPER
-  BUTT JOINT
-  CONCRETE REMOVAL
-  ASPHALT REMOVAL




DATE	6/9/25								
NO.	1								
REVISIONS	ISSUED FOR BID								

ACCESS POINT REMOVAL PLAN
KENMORE AVENUE ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

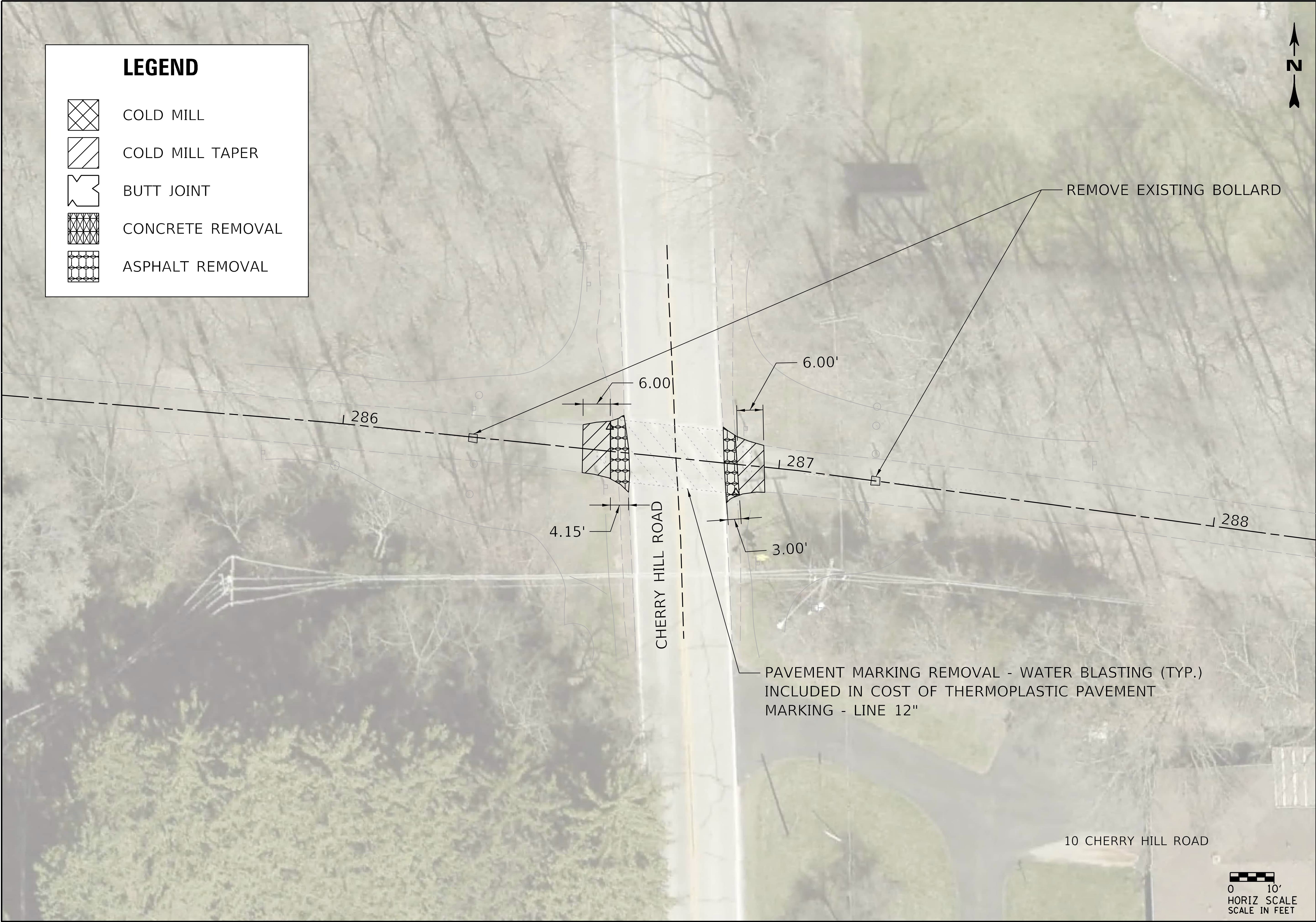
JOB NO.
6593.055

PROJECT MGR.
JFC



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SHEET
10



LEGEND

COLD MILL

COLD MILL TAPER

BUTT JOINT

CONCRETE REMOVAL

ASPHALT REMOVAL

FOREST PRESERVE DISTRICT
WILL COUNTY

NO.	REVISIONS	DATE
1	ISSUED FOR BID	6/9/25

ACCESS POINT REMOVAL PLAN
CHERRY HILL ROAD ACCESS

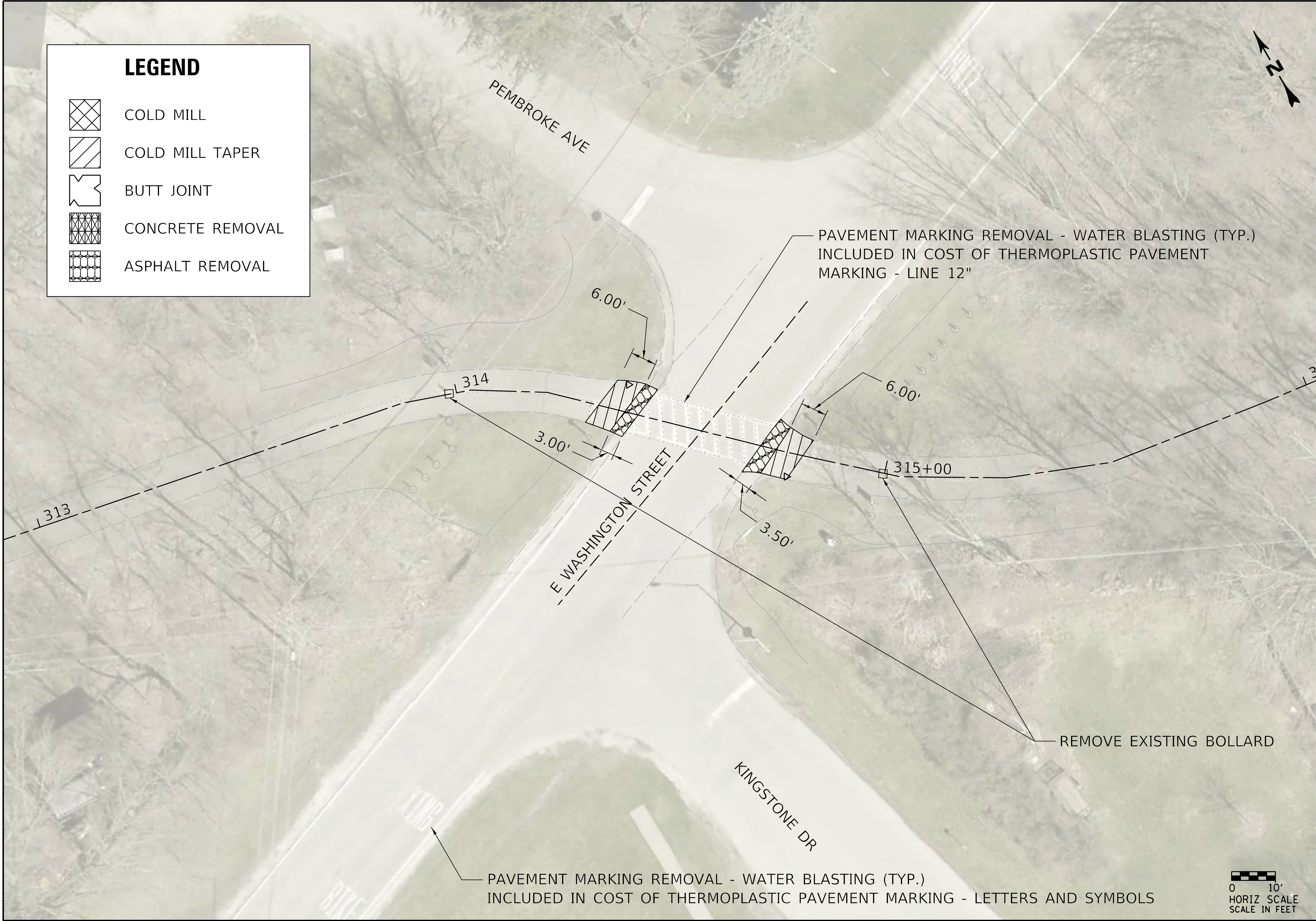
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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11



LEGEND

COLD MILL

COLD MILL TAPER

BUTT JOINT

CONCRETE REMOVAL

ASPHALT REMOVAL

DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT REMOVAL PLAN

EAST WASHINGTON STREET ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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SHEET

12

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LEGEND

- COLD MILL
- COLD MILL TAPER
- BUTT JOINT
- CONCRETE REMOVAL
- ASPHALT REMOVAL



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT REMOVAL PLAN
GUGGAR ROAD ACCESS

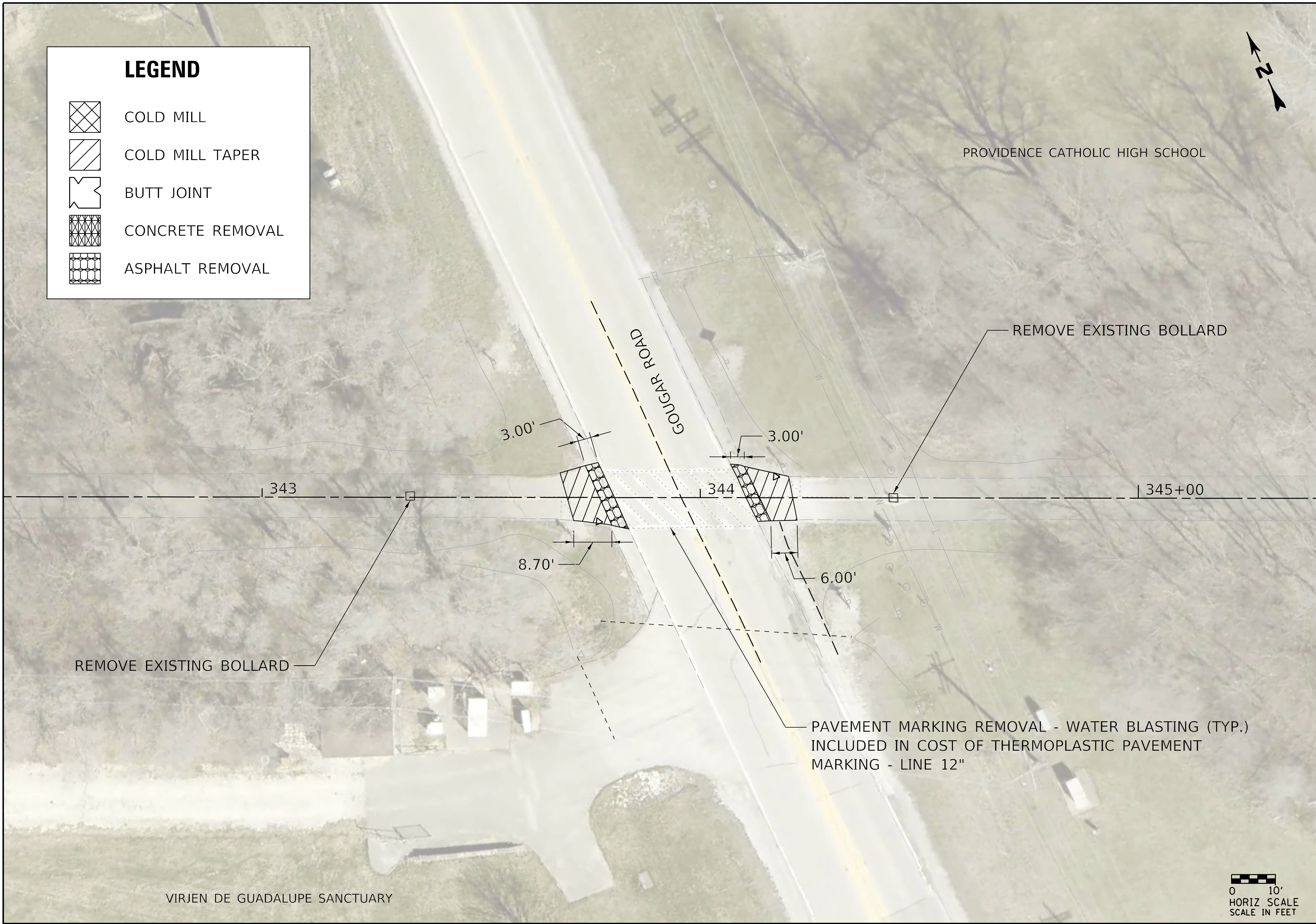
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC

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SHEET
13



LEGEND

- COLD MILL
- COLD MILL TAPER
- BUTT JOINT
- CONCRETE REMOVAL
- ASPHALT REMOVAL



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT REMOVAL PLAN
NELSON ROAD ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC



SHEET
14



PAVEMENT MARKING REMOVAL - WATER BLASTING (TYP.)
INCLUDED IN COST OF THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

PAVEMENT MARKING REMOVAL - WATER BLASTING (TYP.)
INCLUDED IN COST OF THERMOPLASTIC PAVEMENT
MARKING - LINE 12"

REMOVE EXISTING BOLLARD

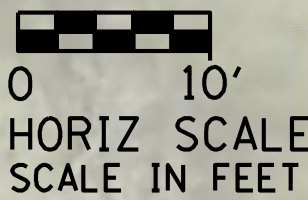
REMOVE EXISTING BOLLARD

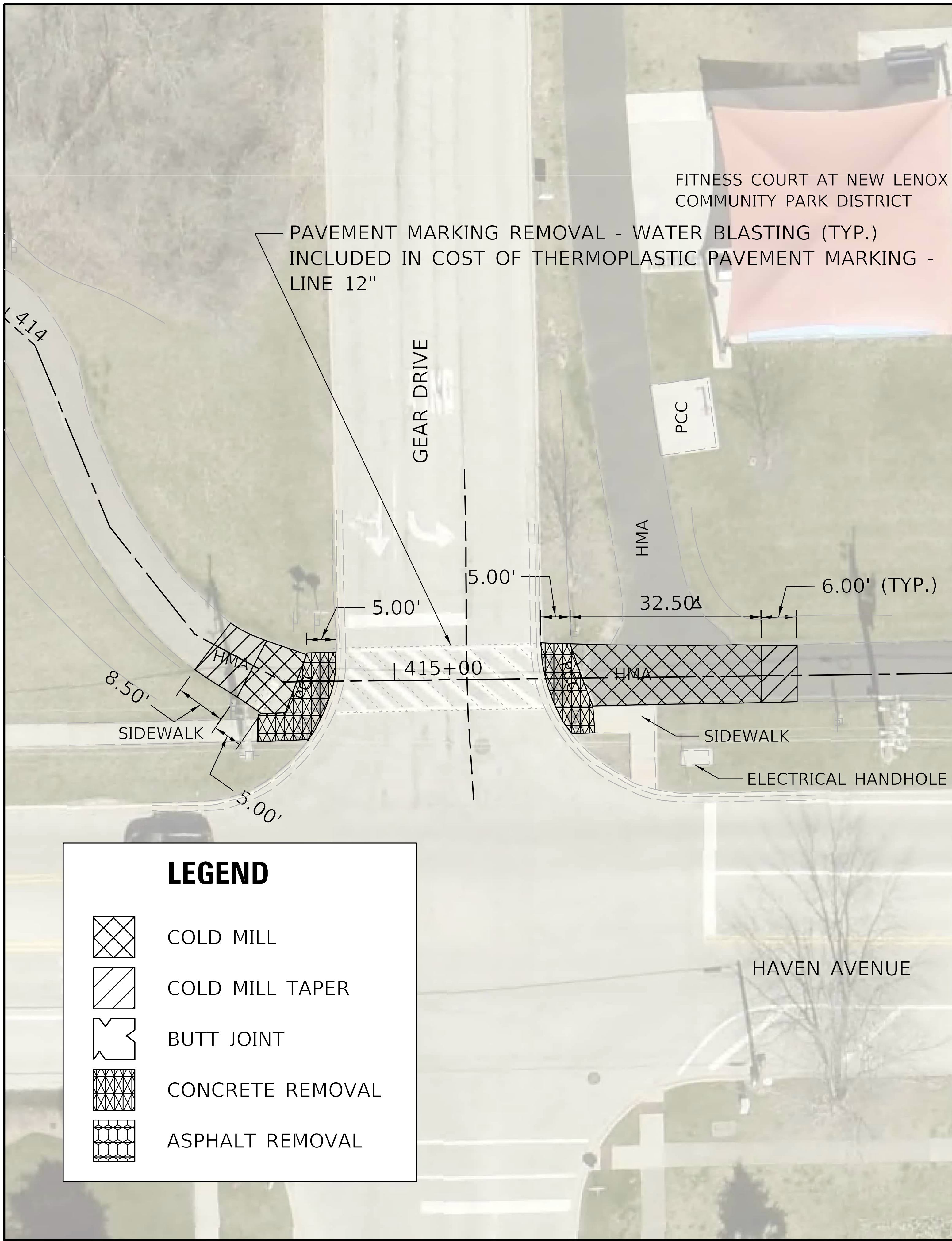
EXISTING DETECTABLE WARNING AND CONCRETE TO REMAIN IN PLACE

917 KRIS DR

1005 KRIS DR

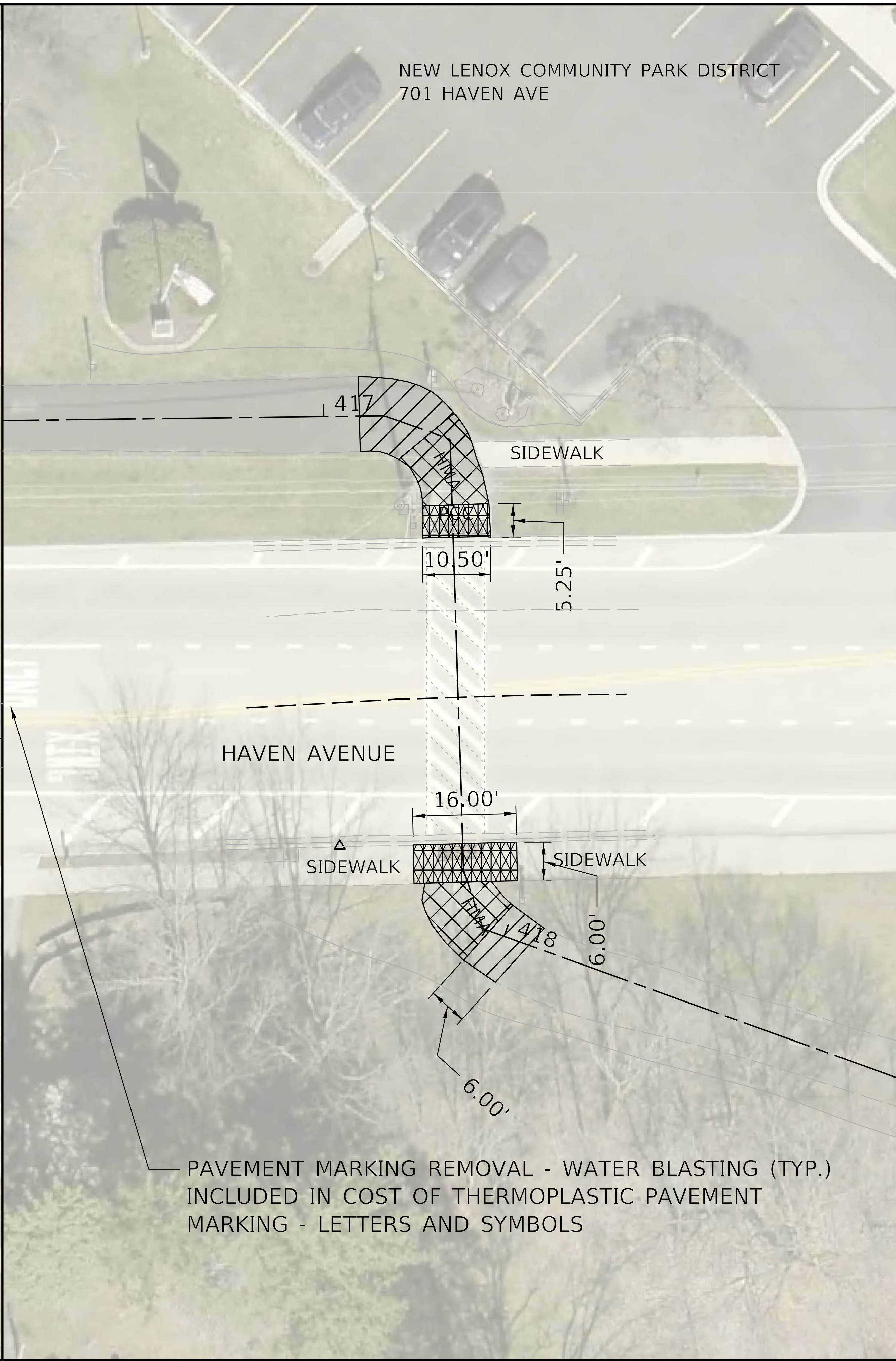
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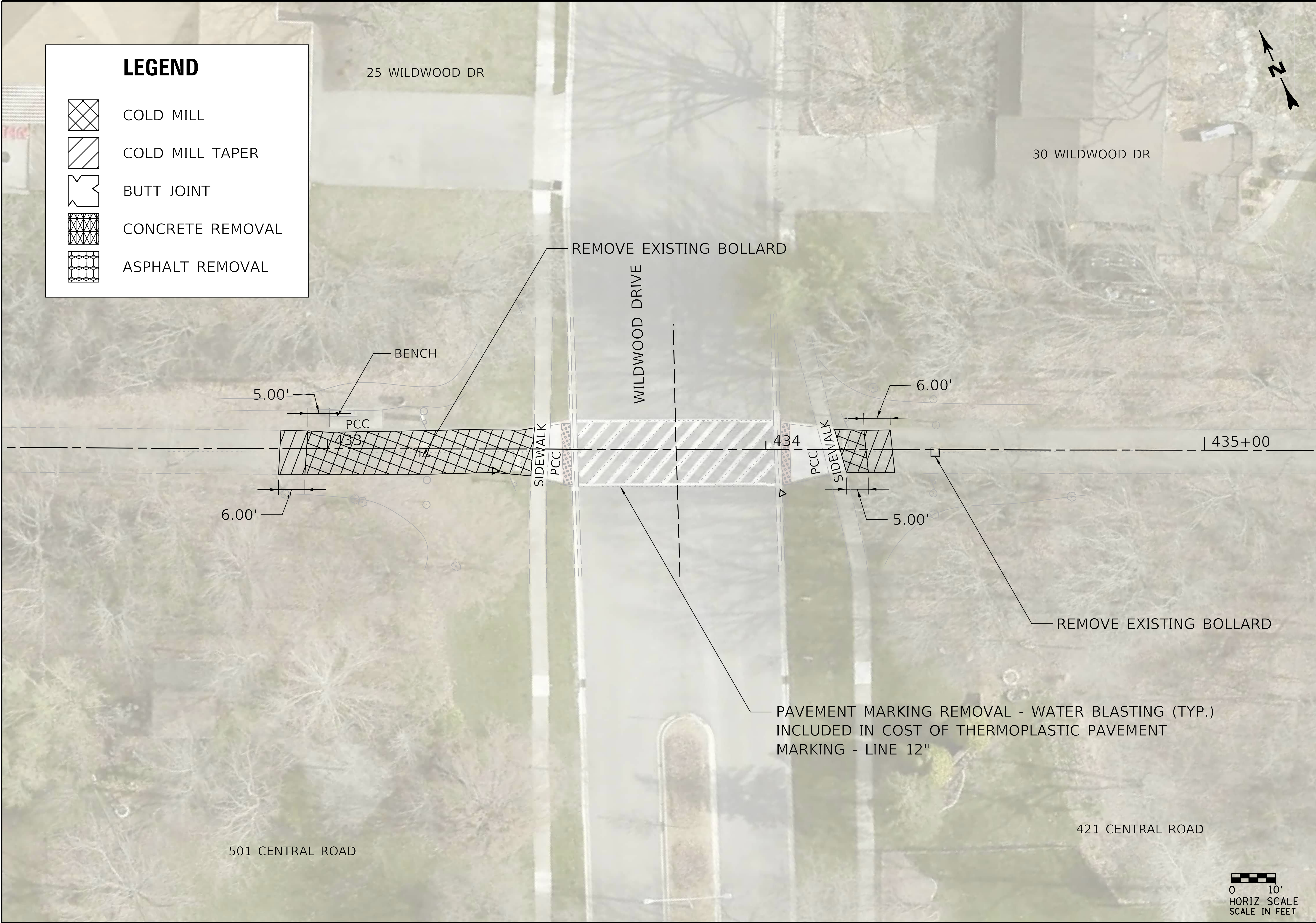


LEGEND

	COLD MILL
	COLD MILL TAPER
	BUTT JOINT
	CONCRETE REMOVAL
	ASPHALT REMOVAL



FOREST PRESERVE DISTRICT WILL COUNTY	
DATE:	6/9/25
REVISIONS	ISSUED FOR BID
NO.	1
ACCESS POINT REMOVAL PLAN HAVEN AVENUE & GEAR DRIVE ACCESS 2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION FOREST PRESERVE DISTRICT OF WILL COUNTY WILL COUNTY, ILLINOIS	
JOB NO. 6593.055	
PROJECT MGR. JFC	
STRAND ASSOCIATES®	
SHEET 15	



LEGEND

COLD MILL

COLD MILL TAPER

BUTT JOINT

CONCRETE REMOVAL

ASPHALT REMOVAL

DATE: 6/9/25

REVISIONS

ISSUED FOR BID

NO. 1

ACCESS POINT REMOVAL PLAN

WILDWOOD DRIVE ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION

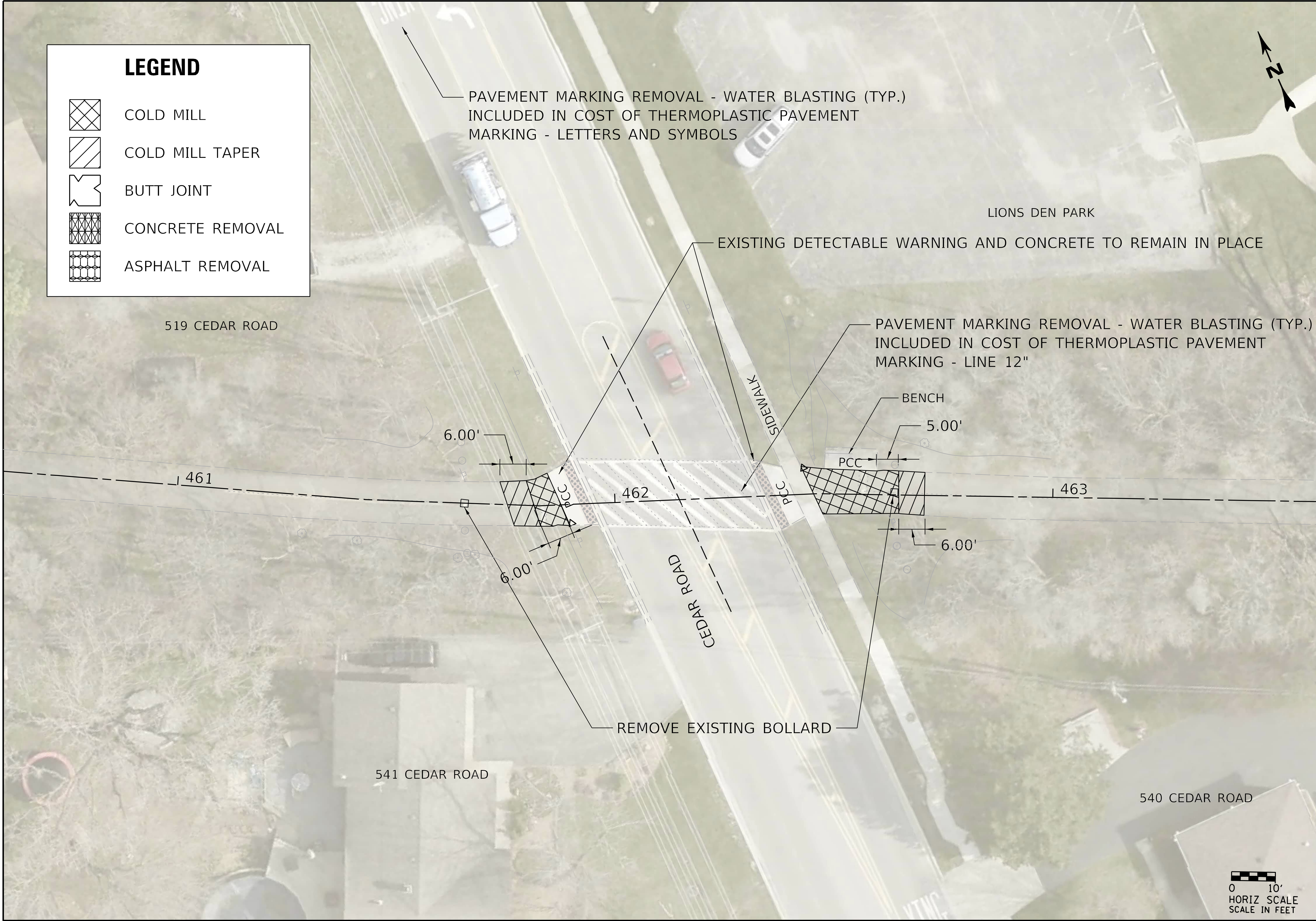
FOREST PRESERVE DISTRICT OF WILL COUNTY

WILL COUNTY, ILLINOIS

JOB NO. 6593.055

PROJECT MGR. JFC

SHEET 16



LEGEND

COLD MILL

COLD MILL TAPER

BUTT JOINT

CONCRETE REMOVAL

ASPHALT REMOVAL

PAVEMENT MARKING REMOVAL - WATER BLASTING (TYP.)
INCLUDED IN COST OF THERMOPLASTIC PAVEMENT
MARKING - LETTERS AND SYMBOLS

EXISTING DETECTABLE WARNING AND CONCRETE TO REMAIN IN PLACE

PAVEMENT MARKING REMOVAL - WATER BLASTING (TYP.)
INCLUDED IN COST OF THERMOPLASTIC PAVEMENT
MARKING - LINE 12"

REMOVE EXISTING BOLLARD

FOREST PRESERVE DISTRICT
WILL COUNTY

DATE:	6/9/25								
REVISIONS	ISSUED FOR BID								
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ACCESS POINT REMOVAL PLAN
CEDAR ROAD ACCESS

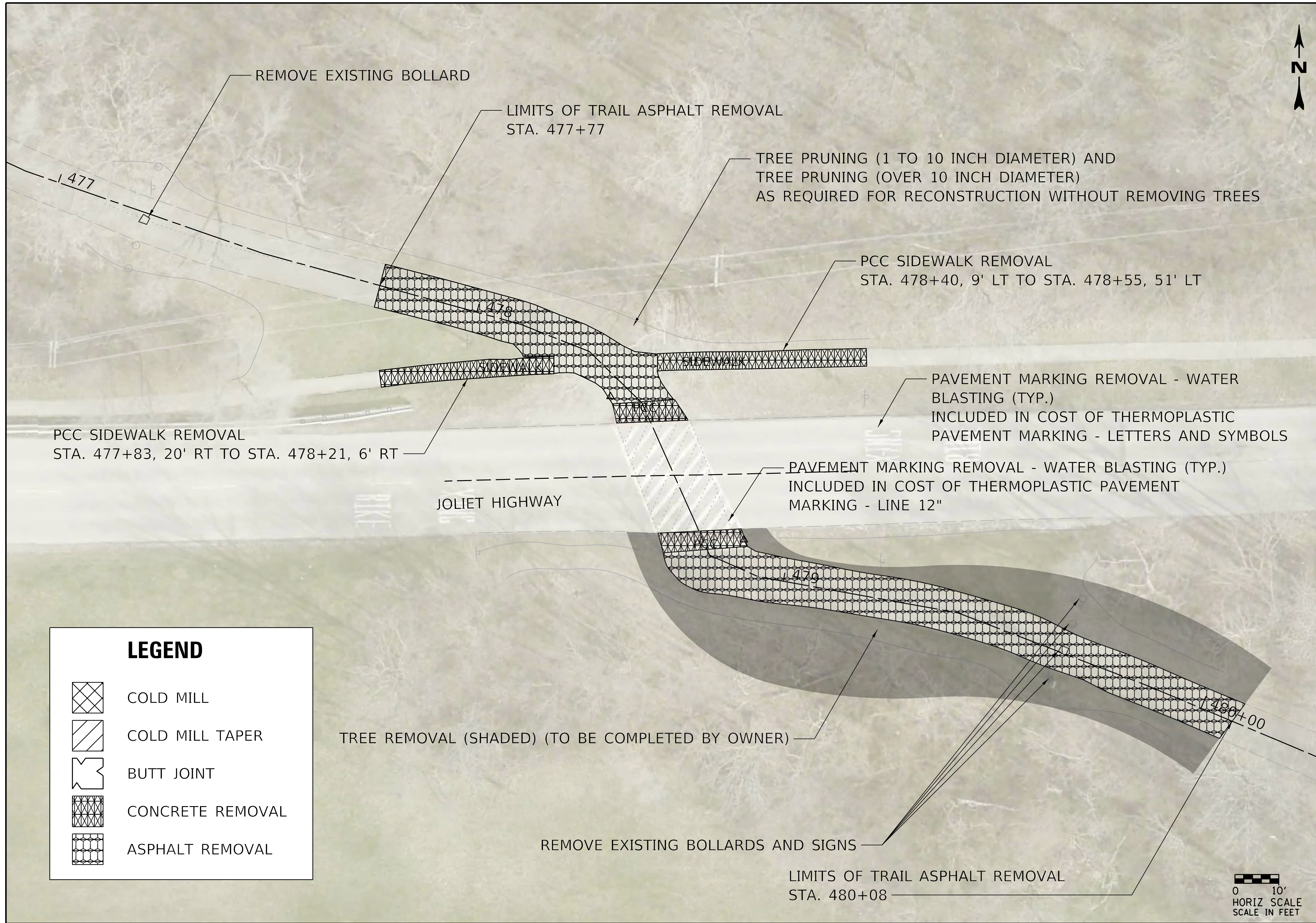
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

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SHEET
17



FOREST PRESERVE DISTRICT WILL COUNTY

DATE: 6/9/25

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ACCESS POINT REMOVAL PLAN

JOLIET HIGHWAY ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION

FOREST PRESERVE DISTRICT OF WILL COUNTY

WILL COUNTY, ILLINOIS

JOB NO. 6593.055

PROJECT MGR. JFC

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LEGEND

- COLD MILL
- COLD MILL TAPER
- BUTT JOINT
- CONCRETE REMOVAL
- ASPHALT REMOVAL

DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

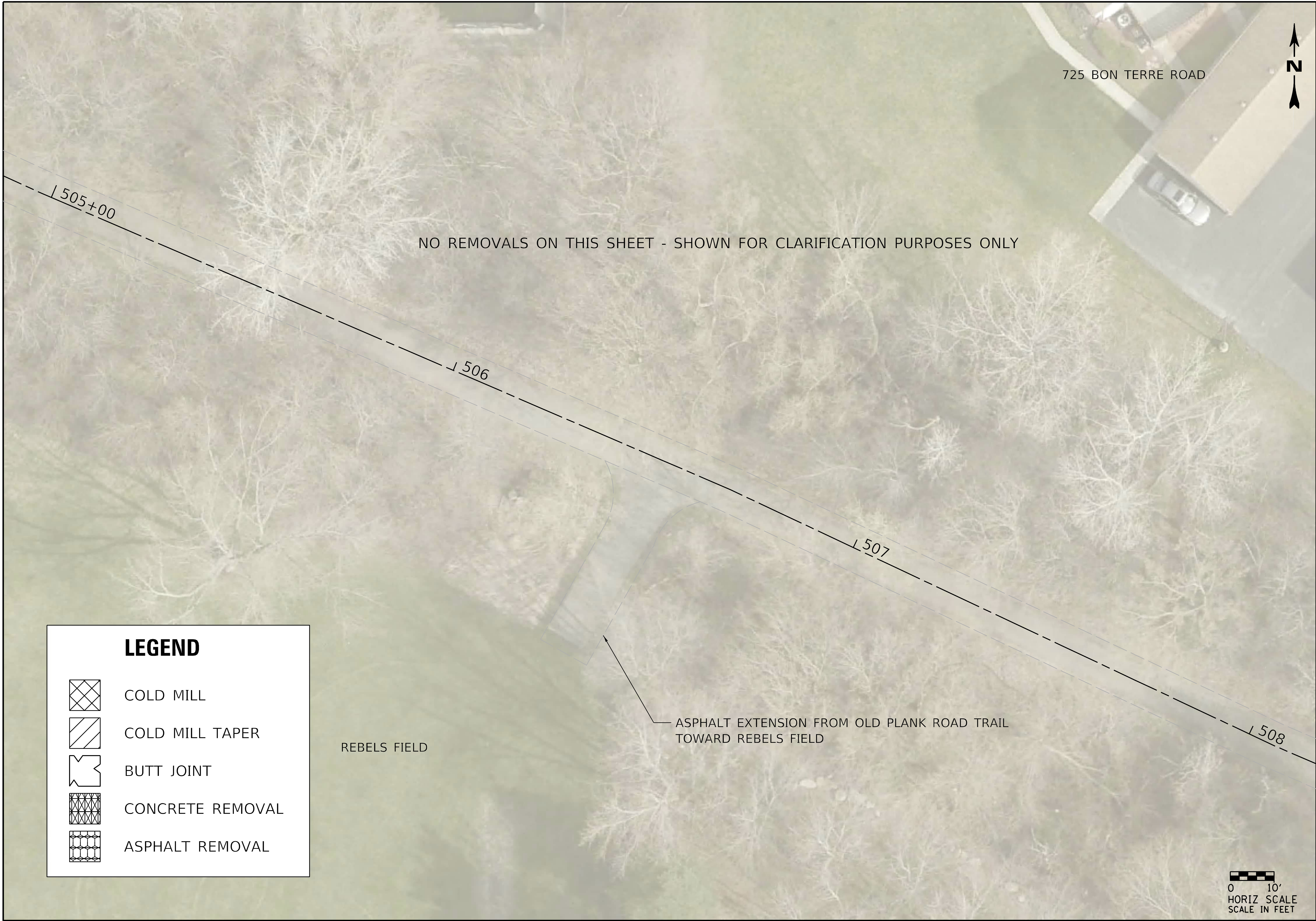
ACCESS POINT REMOVAL PLAN
COOPER ROAD ACCESS


2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

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SHEET
19





FOREST
PRESERVE
DISTRICT
WILL COUNTY


DATE	REVISIONS	NO.
6/9/25	ISSUED FOR BID	1

ACCESS POINT REMOVAL PLAN
REBELS FIELD

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

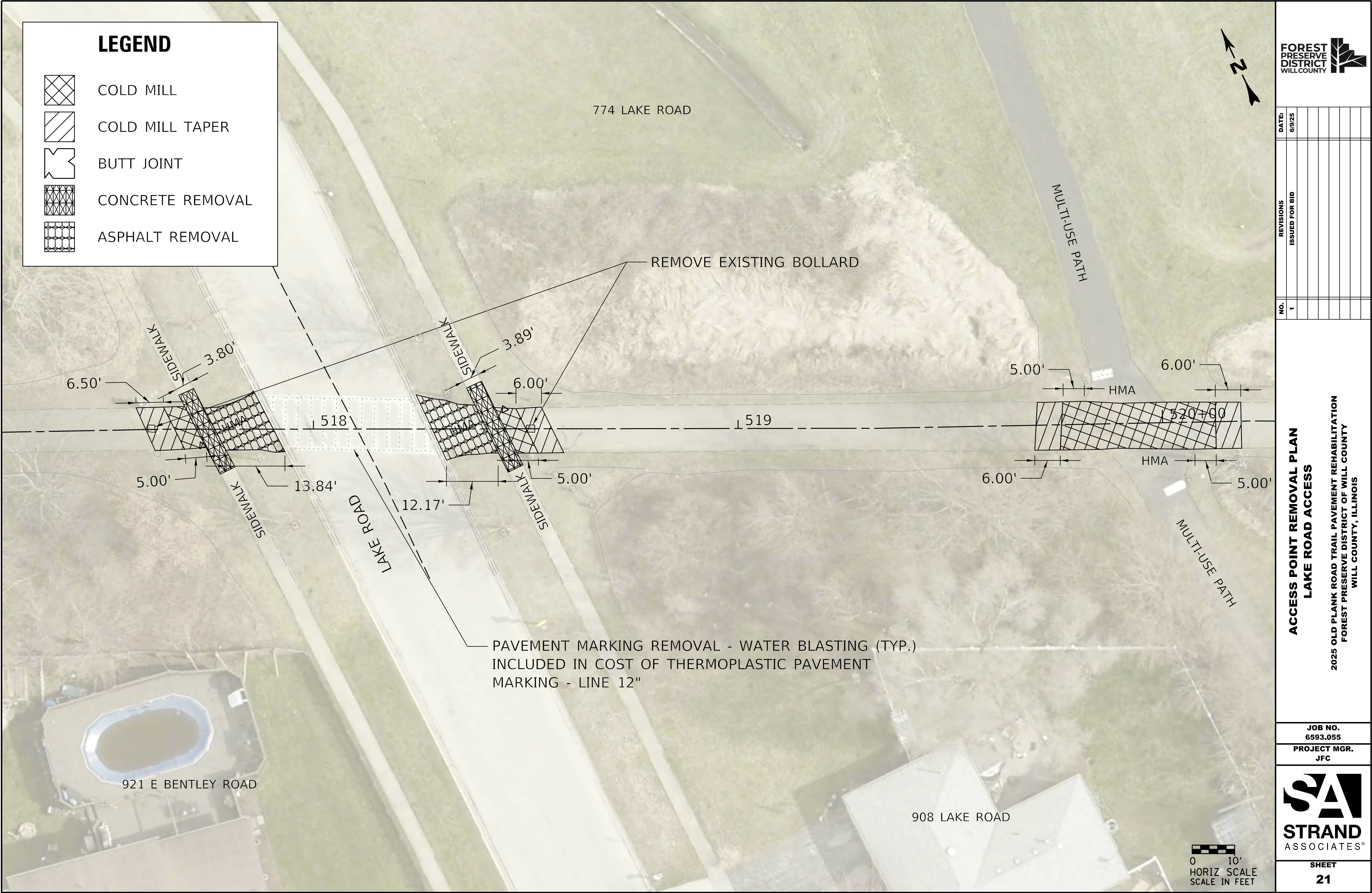
JOB NO.
6593.055

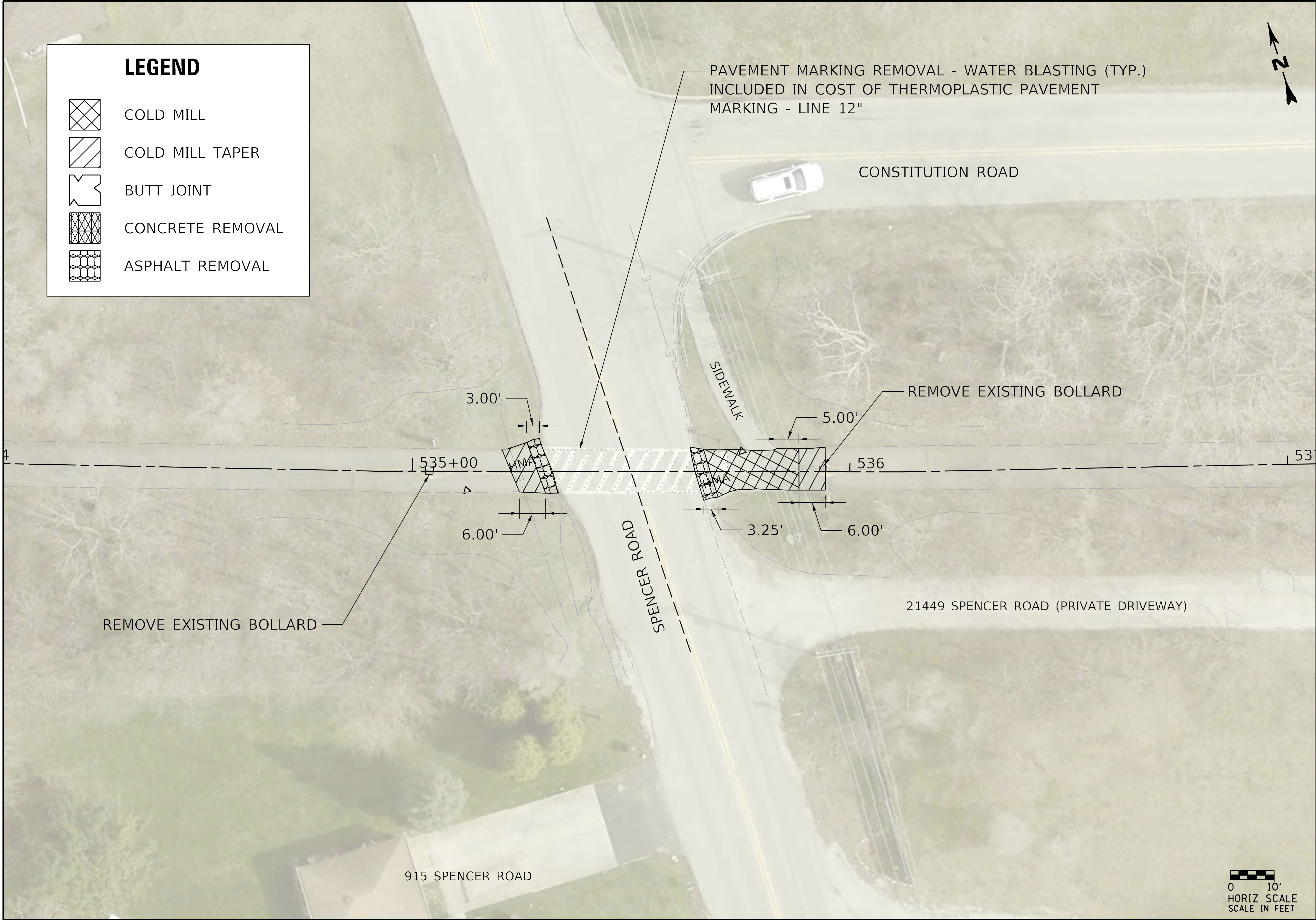
PROJECT MGR.
JFC



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20





LEGEND

COLD MILL

COLD MILL TAPER

BUTT JOINT

CONCRETE REMOVAL

ASPHALT REMOVAL

DATE	REVISIONS	NO.
6/9/25	ISSUED FOR BID	1

ACCESS POINT REMOVAL PLAN

SPENCER ROAD ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

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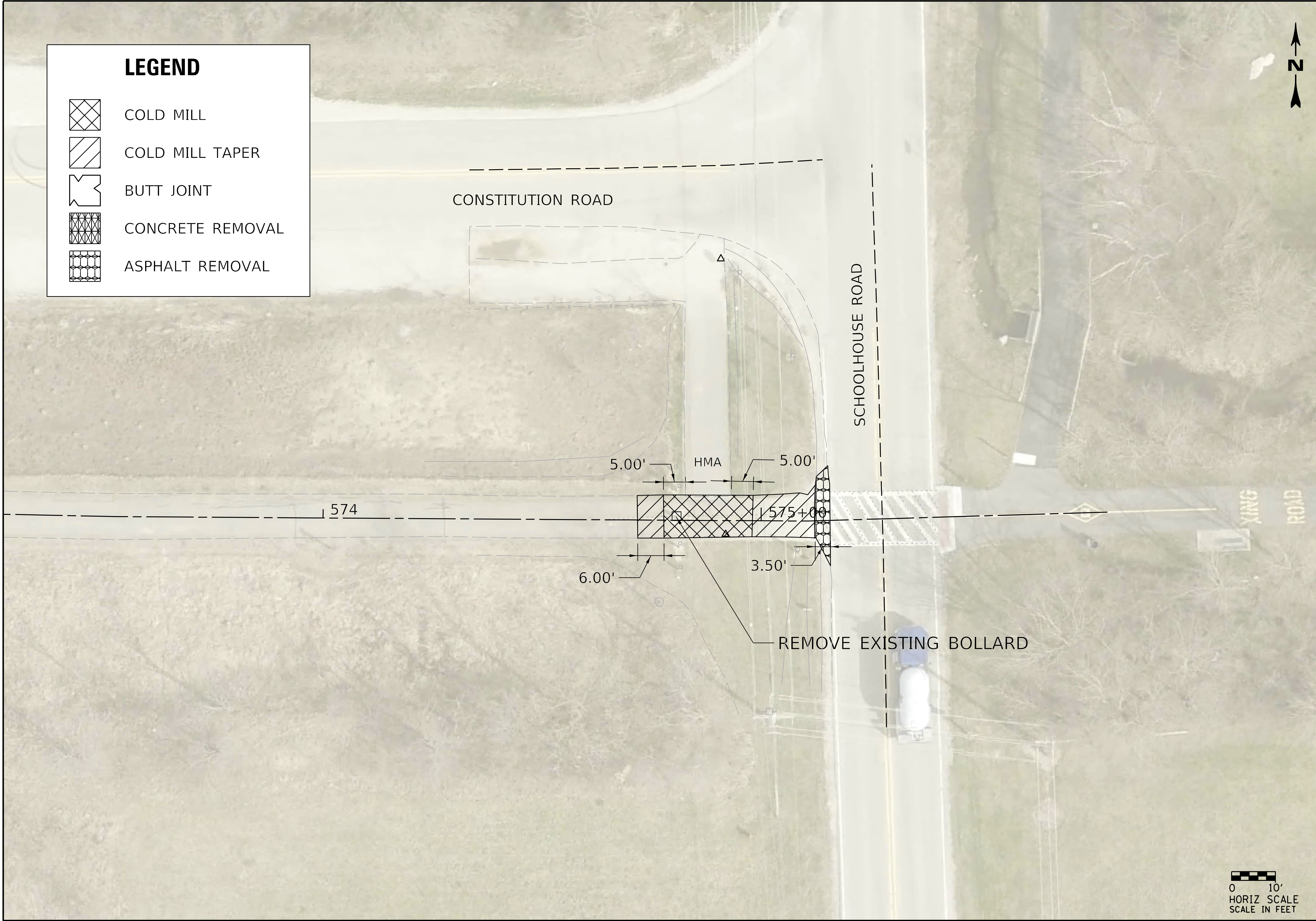
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COLD MILL

COLD MILL TAPER

BUTT JOINT

CONCRETE REMOVAL

ASPHALT REMOVAL

NO.	REVISIONS	DATE
1	ISSUED FOR BID	6/9/25

ACCESS POINT REMOVAL PLAN

SCHOOLHOUSE ROAD ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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SHEET

23

LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE



NO.	1	REVISIONS		DATE
		ISSUED FOR BID		
				6/9/25

ACCESS POINT GRADING PLAN
WASHINGTON STREET ACCESS (ENTRANCE)

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC



SHEET
24

WASHINGTON STREET WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	200+19	4.82' LT	559.99	0.00
B	200+19	5.01' RT	560.07	0.00
C	200+30	12.47' LT	560.56	0.00
D	200+31	11.27' RT	560.66	0.00
E	200+35	11.30' LT	560.61	0.00
F	200+36	10.03' RT	560.71	0.00
G	200+46	5.17' LT	560.84	0.12
H	200+46	4.18' RT	560.86	0.12

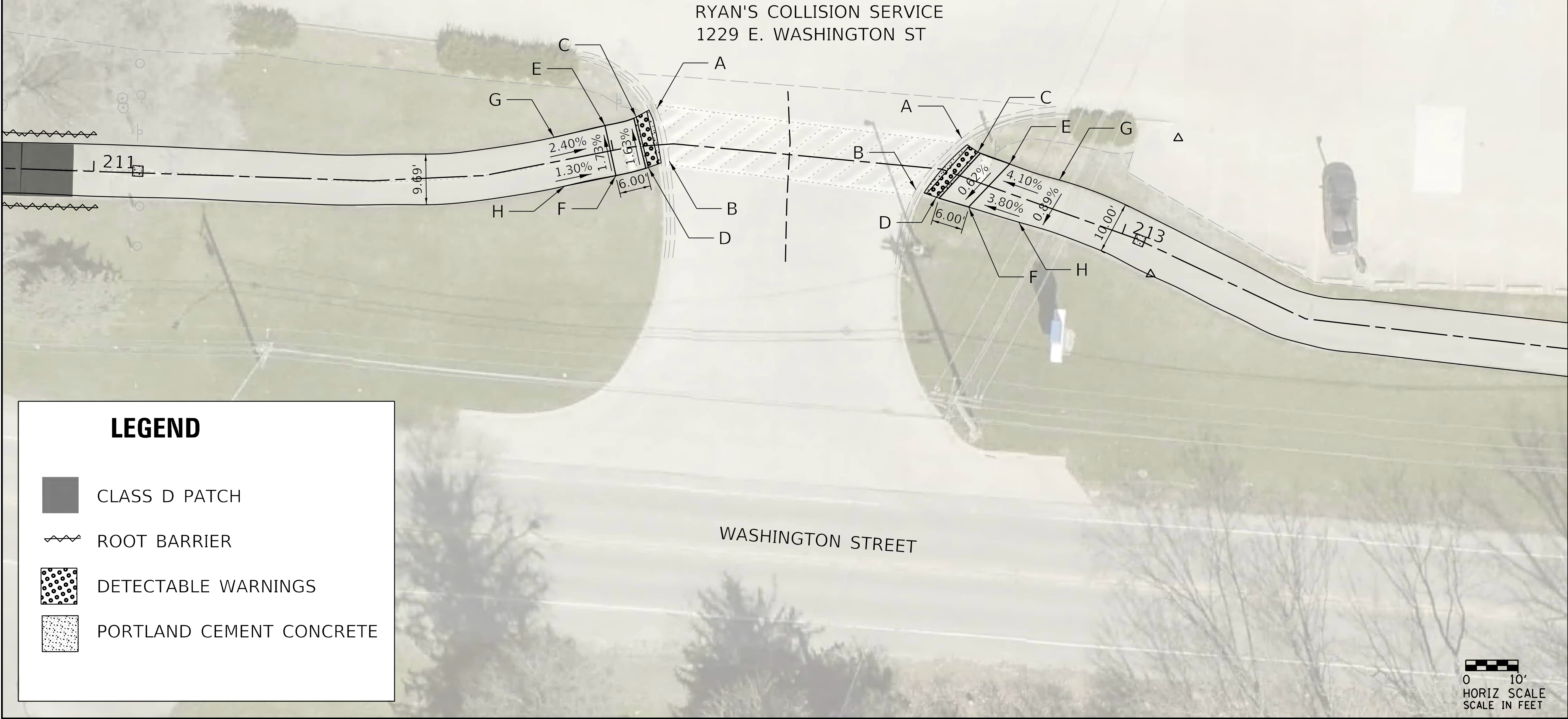
0 10'
HORIZ SCALE
SCALE IN FEET

WASHINGTON TOWING WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	212+09	6.92' LT	565.26	0.00
B	212+11	3.30' RT	565.60	0.00
C	212+05	5.63' LT	565.53	0.00
D	212+07	4.17' RT	565.68	-0.12
E	211+99	4.99' LT	565.94	0.17
F	211+96	4.83' RT	566.11	0.12
G	211+89	4.63' LT	566.18	0.12
H	211+90	4.94' RT	566.24	0.12

WASHINGTON TOWING EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	212+65	6.88' LT	565.45	0.00
B	212+59	4.41' RT	565.63	0.00
C	212+69	5.44' LT	565.71	0.00
D	212+64	5.40' RT	565.76	0.00
E	212+75	5.34' LT	566.12	0.12
F	212+71	5.08' RT	566.05	0.12
G	212+85	5.65' LT	566.53	0.12
H	212+81	4.57' RT	566.43	0.12



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								



ACCESS POINT GRADING PLAN
RYAN'S COLLISION SERVICE ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
25



PARK ROAD WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	253+31	5.41' LT	601.16	0.00
B	253+32	4.67' RT	601.53	0.00
C	253+28	4.97' LT	601.04	0.08
D	253+29	5.25' RT	601.24	0.00
E	253+22	4.77' LT	600.76	0.12
F	253+23	5.39' RT	600.93	0.12
G	253+13	4.87' LT	600.44	0.12
H	253+13	5.67' RT	600.25	0.12



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT GRADING PLAN
PARK ROAD ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC



SHEET
26

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE

PARK ROAD EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	253+61	7.86' LT	601.60	0.00
B	253+60	6.92' RT	602.08	0.00
C	253+63	6.88' LT	601.70	0.12
D	253+63	6.35' RT	601.93	0.00
E	253+69	5.50' LT	601.61	0.12
F	253+69	5.58' RT	601.78	0.12
G	253+79	5.12' LT	601.52	0.12
H	253+79	4.85' LT	601.69	0.12

0 10'
HORIZ SCALE
SCALE IN FEET

LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE



NO.	REVISIONS		DATE	ISSUED FOR BID					
1			6/9/25						

ACCESS POINT GRADING PLAN
KENMORE AVENUE ACCESS

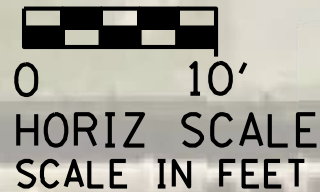
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC



SHEET
27



KENMORE AVENUE ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	271+17	62.14' RT	616.73	0.00
B	271+28	61.95' RT	616.80	0.00
C	271+17	59.65' RT	616.55	0.08
D	271+27	59.54' RT	616.67	0.00
E	271+17	53.20' RT	616.24	0.20
F	271+26	53.15' RT	616.41	0.12
G	271+15	43.37' RT	615.64	0.12
H	271+25	43.32' RT	615.82	0.12



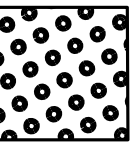
LEGEND



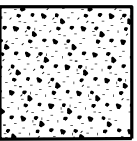
CLASS D PATCH



ROOT BARRIER



DETECTABLE WARNINGS

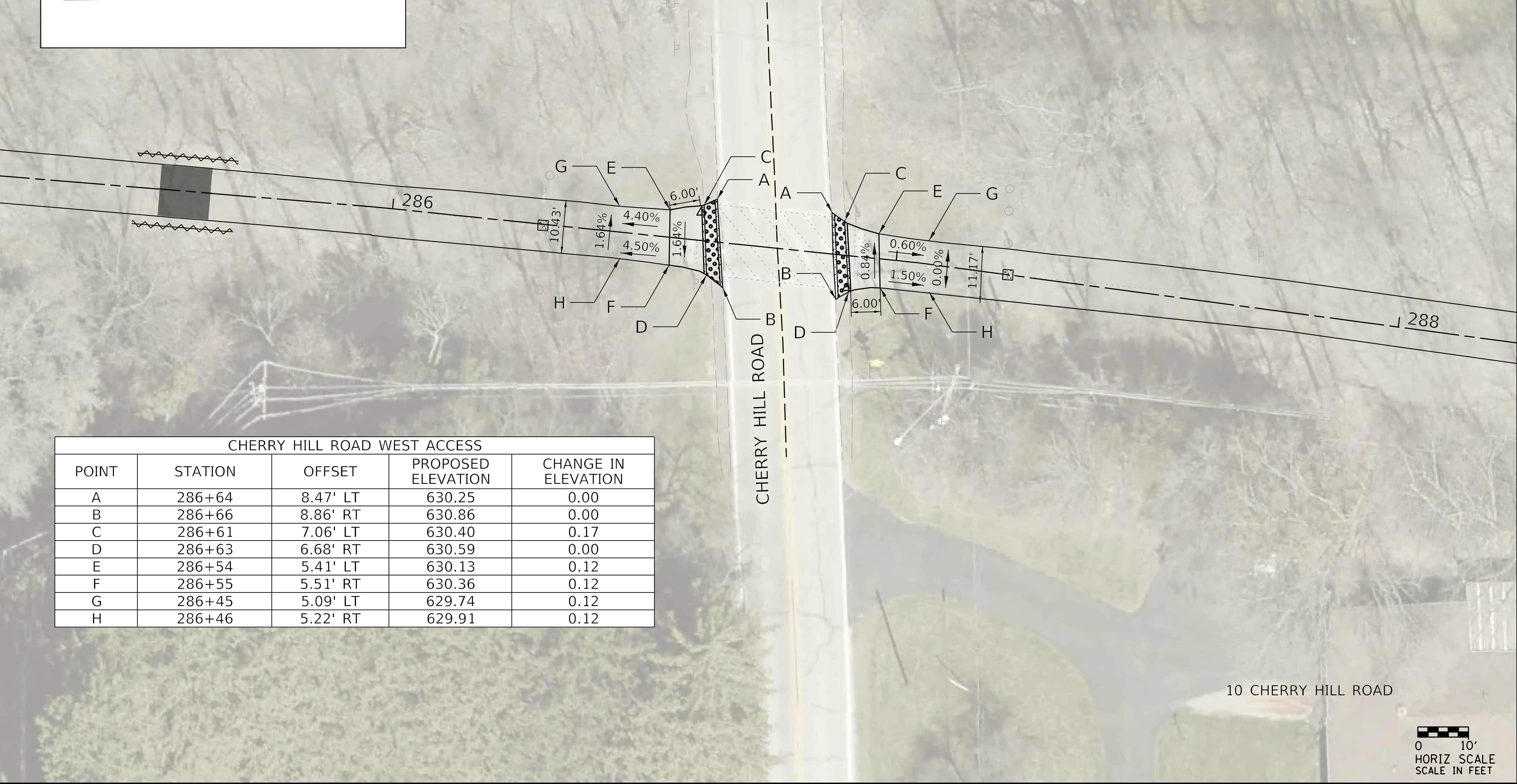


PORTLAND CEMENT CONCRETE

CHERRY HILL ROAD EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	286+86	8.19' LT	630.49	0.00
B	286+89	8.84' RT	630.93	0.00
C	286+89	6.65' LT	630.46	0.00
D	286+91	7.17' RT	630.74	0.00
E	286+96	4.92' LT	630.60	0.12
F	286+97	5.70' RT	630.69	0.12
G	287+06	4.64' LT	630.54	0.12
H	287+07	5.40' RT	630.54	0.12



DATE		REVISIONS		NO.	
6/9/25		ISSUED FOR BID		1	



CHERRY HILL ROAD WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	286+64	8.47' LT	630.25	0.00
B	286+66	8.86' RT	630.86	0.00
C	286+61	7.06' LT	630.40	0.17
D	286+63	6.68' RT	630.59	0.00
E	286+54	5.41' LT	630.13	0.12
F	286+55	5.51' RT	630.36	0.12
G	286+45	5.09' LT	629.74	0.12
H	286+46	5.22' RT	629.91	0.12

ACCESS POINT GRADING PLAN
CHERRY HILL ROAD ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
28

DATE	6/9/25								
REVISIONS ISSUED FOR BID									
NO.	1								

ACCESS POINT GRADING PLAN
EAST WASHINGTON STREET ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC



SHEET
29

LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE

CITY OF JOLIET WATER TOWER
105 PEMBROKE AVE

PEMBROKE AVE

E WASHINGTON STREET

KINGSTONE DR

EAST WASHINGTON ST EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	314+74	7.11' LT	631.89	0.00
B	314+68	6.89' RT	631.82	0.00
C	314+76	5.94' LT	631.86	0.00
D	314+71	6.18' RT	631.79	0.00
E	314+83	3.93' LT	631.73	0.12
F	314+93	5.83' RT	631.58	0.12
G	314+93	4.06' LT	631.52	0.12
H	314+95	5.72' RT	631.40	0.12

EAST WASHINGTON ST WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	314+45	6.71' LT	631.88	0.00
B	314+40	5.69' RT	631.99	0.00
C	314+42	7.24' LT	631.85	0.00
D	314+37	5.22' RT	631.97	0.00
E	314+36	6.62' LT	631.92	0.12
F	314+31	4.51' RT	632.00	0.12
G	314+25	5.23' LT	631.91	0.12
H	314+20	4.77' RT	631.87	0.12

0 10'
HORIZ SCALE
SCALE IN FEET

GOUGAR ROAD WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	343+77	7.99' LT	628.40	0.00
B	343+84	7.11' RT	628.53	0.00
C	343+74	7.40' LT	628.33	0.00
D	343+81	6.57' RT	628.47	0.00
E	343+68	5.59' LT	628.30	0.12
F	343+71	5.30' RT	628.36	0.12
G	343+58	5.08' LT	628.03	0.12
H	343+61	4.84' LT	627.96	0.12



DATE	6/9/25						
REVISIONS	ISSUED FOR BID						
NO.	1						

ACCESS POINT GRADING PLAN
GOUGAR ROAD ACCESS

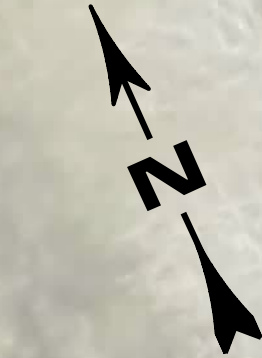
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

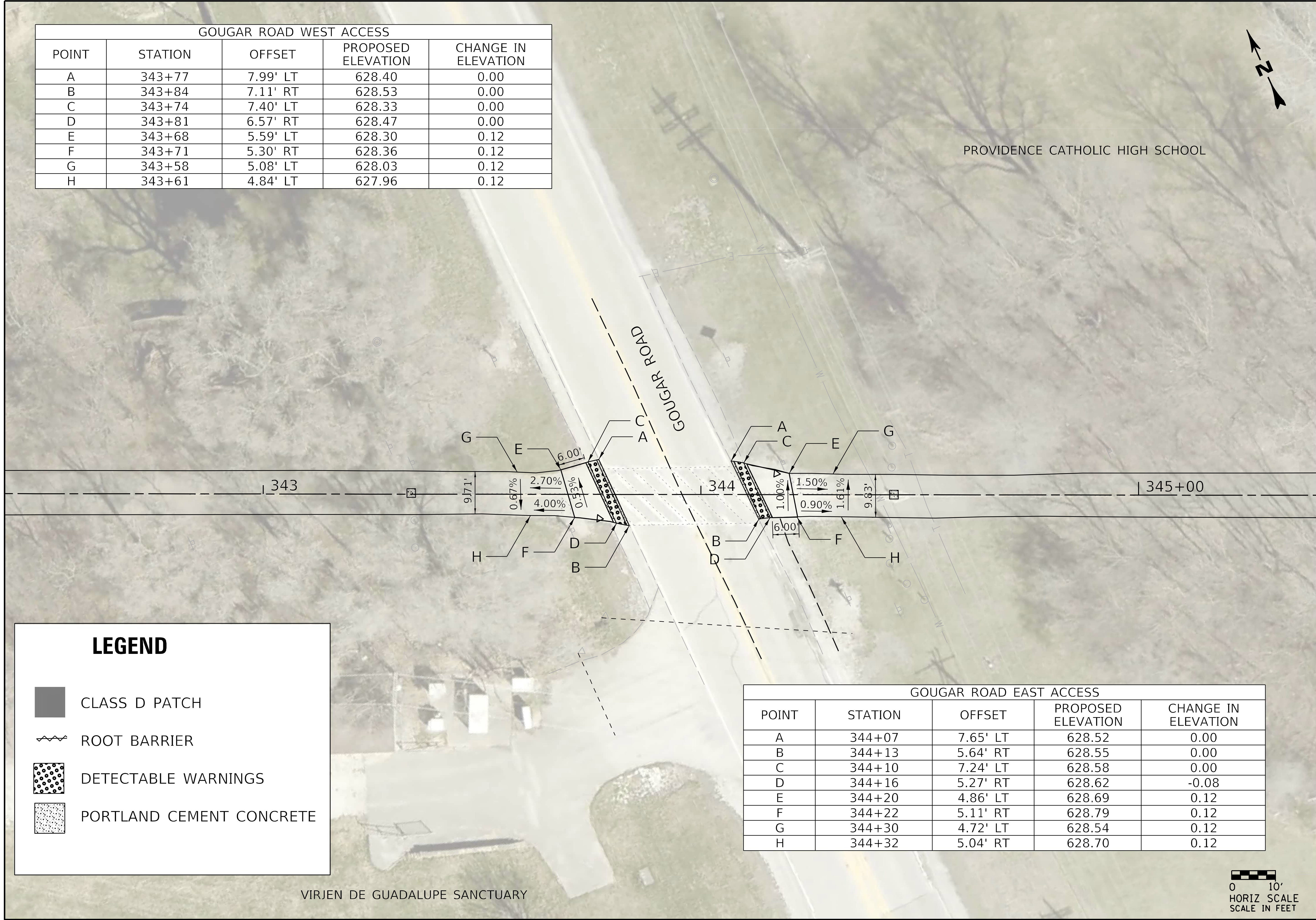
PROJECT MGR.
JFC



SHEET
30



PROVIDENCE CATHOLIC HIGH SCHOOL



LEGEND

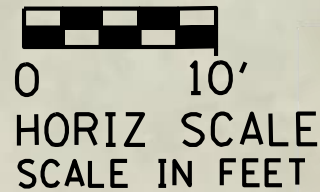
CLASS D PATCH

ROOT BARRIER

DETECTABLE WARNINGS

PORTLAND CEMENT CONCRETE

GOUGAR ROAD EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	344+07	7.65' LT	628.52	0.00
B	344+13	5.64' RT	628.55	0.00
C	344+10	7.24' LT	628.58	0.00
D	344+16	5.27' RT	628.62	-0.08
E	344+20	4.86' LT	628.69	0.12
F	344+22	5.11' RT	628.79	0.12
G	344+30	4.72' LT	628.54	0.12
H	344+32	5.04' RT	628.70	0.12



NO.	1	REVISIONS		DATE	6/9/25
		ISSUED FOR BID			

ACCESS POINT GRADING PLAN
NELSON ROAD ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

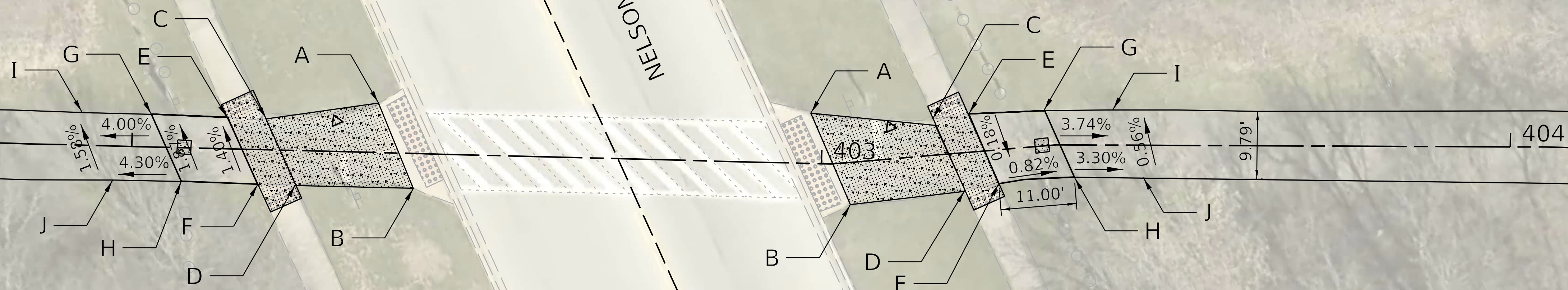
PROJECT MGR.
JFC



SHEET
31

LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE



NELSON ROAD WEST ACCESS

POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	402+36	7.18' LT	685.05	0.00
B	402+41	5.04' RT	685.16	0.00
C	402+19	4.47' LT	684.70	0.00
D	402+24	5.09' RT	684.87	-0.08
E	402+14	4.57' LT	684.64	0.08
F	402+18	5.00' RT	684.79	0.00
G	402+03	4.77' LT	684.44	0.20
H	402+07	4.91' RT	684.64	0.12
I	401+93	4.75' RT	684.04	0.20
J	401+97	4.96' RT	684.21	0.12

NELSON ROAD EAST ACCESS

POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	402+98	7.30' LT	685.39	0.00
B	403+03	6.11' RT	685.45	0.00
C	403+17	5.23' LT	684.94	0.00
D	403+20	5.59' RT	684.92	0.00
E	403+22	5.57' LT	684.85	0.00
F	403+25	4.92' RT	684.87	0.00
G	403+33	5.09' LT	684.76	0.12
H	403+37	4.72' RT	684.78	0.12
I	403+42	5.11' LT	684.39	0.12
J	403+47	4.69' RT	684.45	0.12

917 KRIS DR

0 10'
HORIZ SCALE
SCALE IN FEET

1005 KRIS DR

1001 KRIS DR

GEAR DRIVE WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	414+92	3.54' LT	679.18	0.00
B	414+90	5.57' RT	679.37	0.00
C	414+90	3.69' LT	679.34	0.00
D	414+88	5.72' RT	679.59	0.00
E	414+85	4.62' LT	679.40	0.08
F	414+81	5.22' RT	679.54	-0.08
G	414+75	4.77' LT	679.43	0.08
H	414+80	6.48' RT	679.65	0.00
I	414+69	4.59' LT	679.47	0.25
J	414+67	5.34' RT	679.63	0.12
K	414+56	4.22' LT	679.06	0.20
L	414+55	5.73' RT	679.23	0.12

FITNESS COURT AT NEW LENOX
COMMUNITY PARK DISTRICT



WEST HAVEN AVENUE NORTH ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	417+37	5.77' LT	676.76	0.00
B	417+37	4.84' RT	677.05	0.00
C	417+36	5.79' LT	676.85	0.00
D	417+35	4.74' RT	677.10	0.00
E	417+25	4.54' LT	676.55	0.00
F	417+25	5.84' RT	676.72	0.00
G	417+05	6.09' LT	676.72	0.12
H	417+06	5.46' RT	676.92	0.12

NEW LENOX COMMUNITY PARK DISTRICT
701 HAVEN AVE



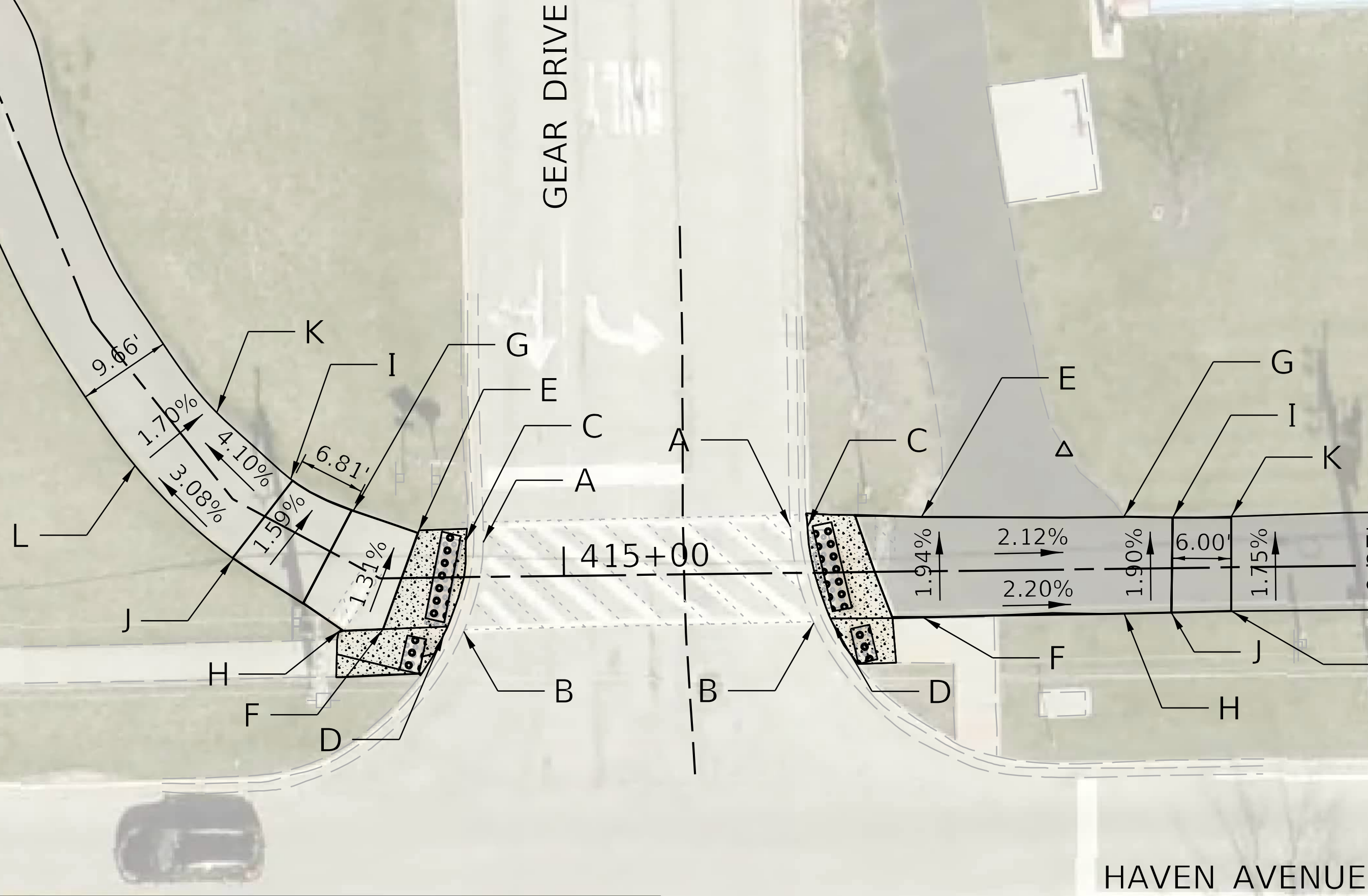
DATE:	6/9/25					
REVISIONS	ISSUED FOR BID					
NO.	1					

ACCESS POINT GRADING PLAN
HAVEN AVENUE & GEAR DRIVE ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
32



LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE

GEAR DRIVE EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	415+23	4.72' LT	679.31	0.00
B	415+25	5.16' RT	679.26	0.00
C	415+25	4.72' LT	679.46	0.00
D	415+27	4.99' RT	679.35	0.00
E	415+37	5.55' LT	678.67	0.00
F	415+37	4.79' RT	678.87	0.00
G	415+57	5.32' LT	678.23	0.00
H	415+57	4.61' RT	678.42	-0.16
I	415+62	5.18' LT	678.46	0.25
J	415+62	4.57' RT	678.65	0.12
K	415+68	5.19' LT	678.42	0.29
L	415+68	4.49' RT	678.59	0.12

0 10'
HORIZ SCALE
SCALE IN FEET

HAVEN AVENUE

WEST HAVEN AVENUE SOUTH ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	417+81	3.38' LT	677.13	0.00
B	417+81	5.61' RT	677.37	0.00
C	417+83	3.35' LT	677.40	0.16
D	417+83	5.72' RT	677.60	0.00
E	417+90	3.52' LT	677.49	0.00
F	417+87	6.33' RT	677.69	-0.08
G	418+05	3.38' LT	677.99	0.25
H	418+01	7.06' RT	678.17	0.12
I	418+15	3.16' LT	678.04	0.12
J	418+11	7.85' RT	678.23	0.12

0 10'
HORIZ SCALE
SCALE IN FEET

LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE



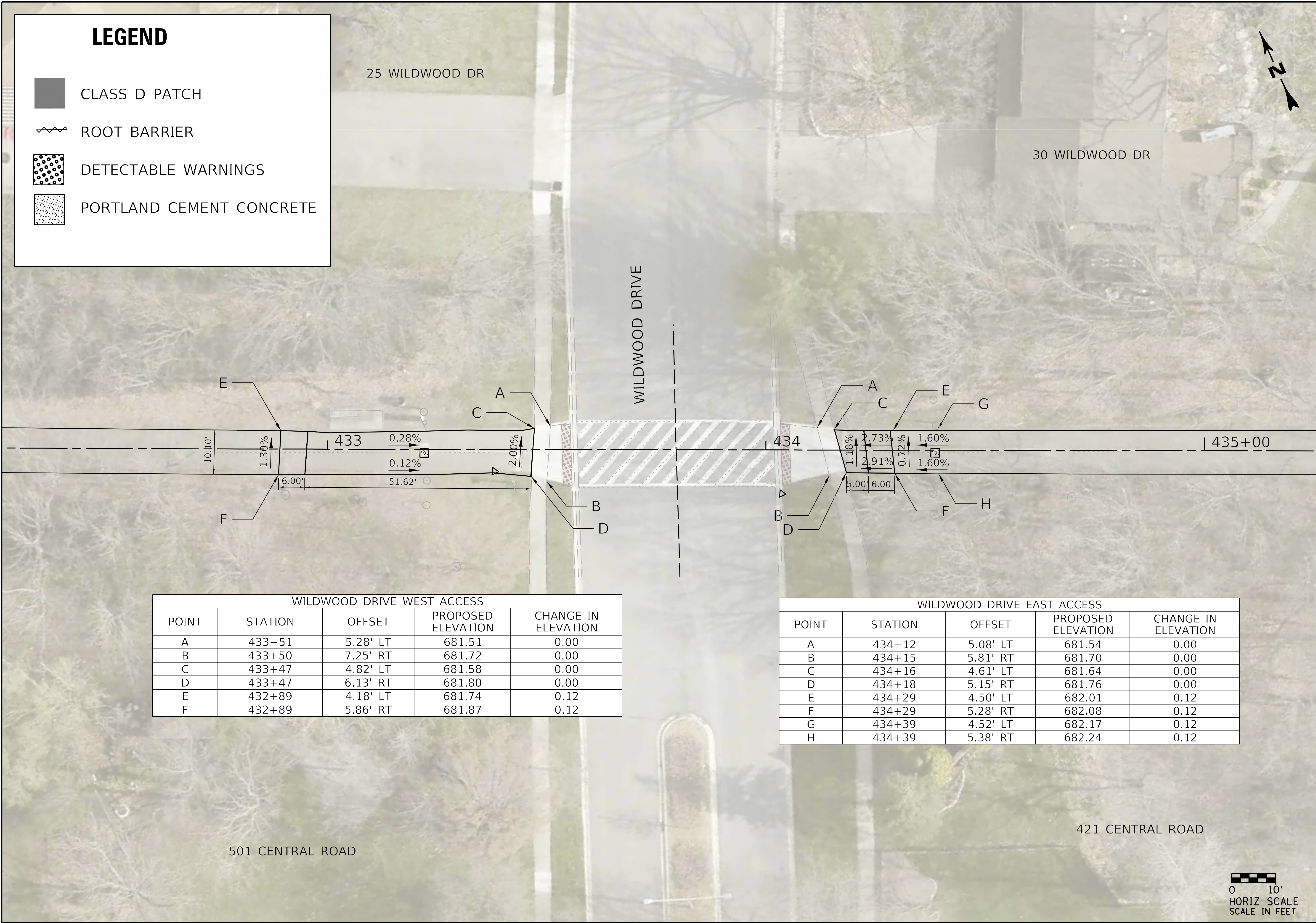
DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT GRADING PLAN
WILDWOOD DRIVE ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC

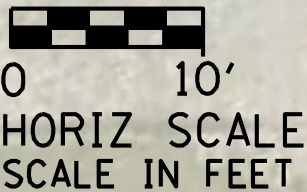


SHEET
33



WILDWOOD DRIVE WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	433+51	5.28' LT	681.51	0.00
B	433+50	7.25' RT	681.72	0.00
C	433+47	4.82' LT	681.58	0.00
D	433+47	6.13' RT	681.80	0.00
E	432+89	4.18' LT	681.74	0.12
F	432+89	5.86' RT	681.87	0.12

WILDWOOD DRIVE EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	434+12	5.08' LT	681.54	0.00
B	434+15	5.81' RT	681.70	0.00
C	434+16	4.61' LT	681.64	0.00
D	434+18	5.15' RT	681.76	0.00
E	434+29	4.50' LT	682.01	0.12
F	434+29	5.28' RT	682.08	0.12
G	434+39	4.52' LT	682.17	0.12
H	434+39	5.38' RT	682.24	0.12



LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT GRADING PLAN
CEDAR ROAD ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
34

CEDAR ROAD EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	462+38	6.56' LT	695.05	0.00
B	462+43	5.06' RT	695.29	0.00
C	462+43	6.37' LT	694.94	0.00
D	462+48	4.67' RT	695.30	0.00
E	462+65	5.48' LT	695.11	0.00
F	462+65	4.21' RT	695.08	0.00
G	462+71	5.23' LT	695.20	0.12
H	462+71	4.57' RT	695.24	0.12
I	462+81	5.04' LT	695.30	0.12
J	462+81	4.30' RT	695.31	0.12

CEDAR ROAD WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	461+85	7.35' LT	694.45	0.00
B	461+90	4.78' RT	694.75	0.00
C	461+80	5.64' LT	694.41	0.00
D	461+83	4.69' RT	694.55	0.00
E	461+74	5.17' LT	694.50	0.12
F	461+77	4.78' RT	694.49	0.12
G	461+63	4.82' LT	694.28	0.12
H	461+64	5.11' RT	694.22	0.12

0 10'
HORIZ SCALE
SCALE IN FEET

RECONSTRUCT OLD PLANK ROAD TRAIL
STA. 477+77 TO STA. 478+49

LIMITS OF 1.5" HMA OVERLAY
STA. 477+77

MATCH INTO EXISTING SIDEWALK

MATCH INTO EXISTING SIDEWALK

JOLIET HIGHWAY

LIMITS OF 1.5" HMA OVERLAY
STA. 480+08

RECONSTRUCT OLD PLANK ROAD TRAIL
STA. 478+76 TO STA. 480+08

EAST JOLIET HIGHWAY NORTH ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	700+72	5.00' RT	699.96	-0.19
B	700+76	5.00' LT	699.91	-0.34
C	700+62	5.00' RT	699.52	-0.19
D	700+68	5.00' LT	699.58	-0.13
E	700+55	5.00' RT	699.42	-0.12
F	700+64	5.00' LT	699.50	-0.14
G	700+20	20.32' RT	699.13	0.00
H	700+19	16.48' RT	699.13	0.00
I	700+06	22.40' RT	698.75	0.00
J	700+05	18.83' RT	698.81	0.00
K	700+76	29.89' LT	700.16	0.00
L	700+72	31.14' LT	700.12	0.17
M	700+78	49.38' LT	700.22	0.00
N	700+75	50.67' LT	700.22	0.00

EAST JOLIET HIGHWAY SOUTH ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	700+99	5.00' RT	700.19	-0.21
B	701+02	5.00' LT	700.32	-0.29
C	701+02	5.00 RT	700.17	-0.16
D	701+06	5.00' LT	700.25	-0.30
E	701+10	5.00' RT	700.05	-0.11
F	701+10	5.00' LT	700.19	-0.29
G	701+18	5.00' RT	699.98	-0.07
H	701+22	5.00' LT	700.12	-0.45



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT GRADING PLAN
JOLIET HIGHWAY ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
35

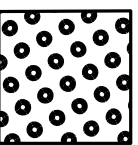
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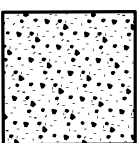
CLASS D PATCH



ROOT BARRIER

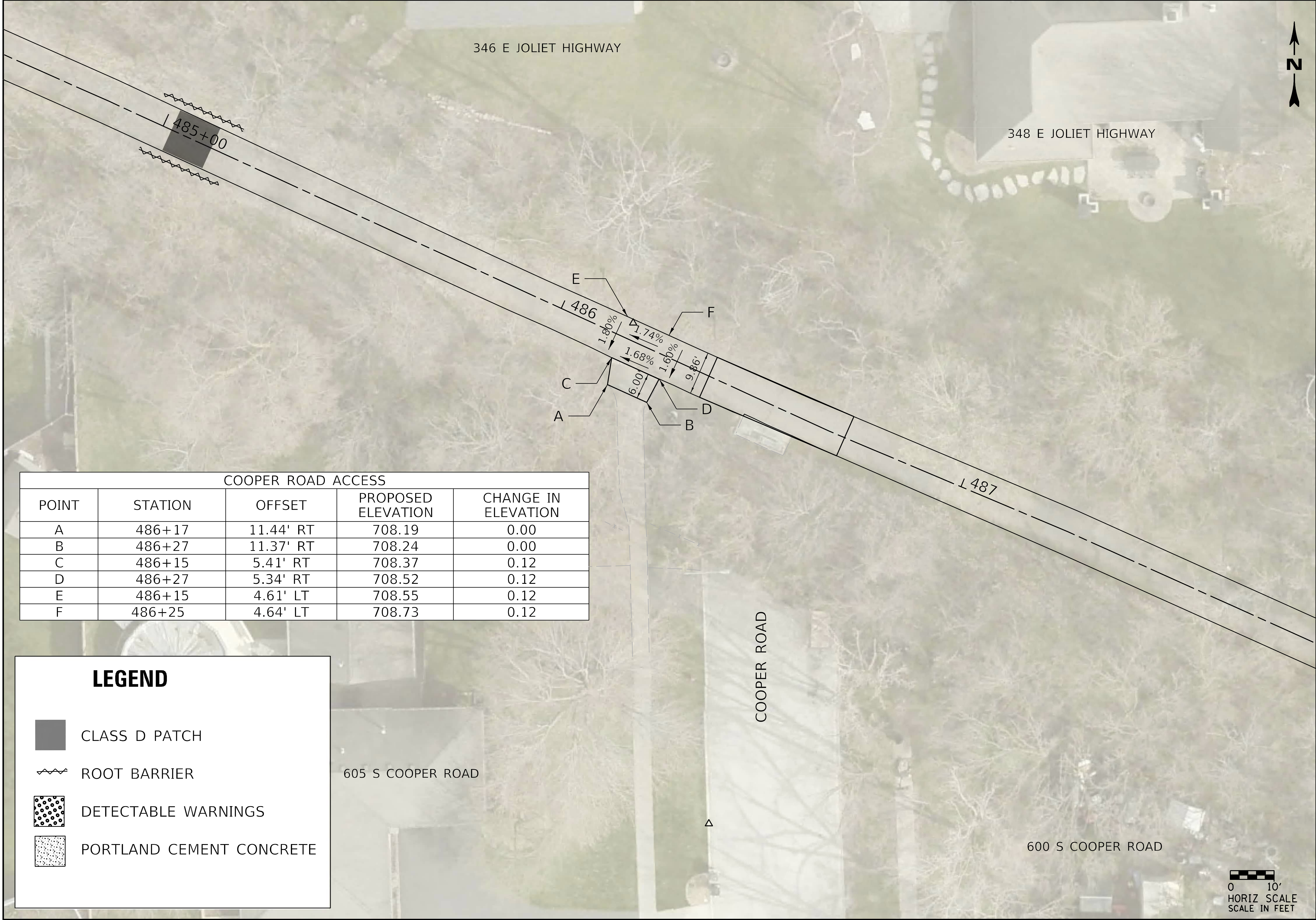


DETECTABLE WARNINGS



PORTLAND CEMENT CONCRETE

0 10'
HORIZ SCALE
SCALE IN FEET



COOPER ROAD ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	486+17	11.44' RT	708.19	0.00
B	486+27	11.37' RT	708.24	0.00
C	486+15	5.41' RT	708.37	0.12
D	486+27	5.34' RT	708.52	0.12
E	486+15	4.61' LT	708.55	0.12
F	486+25	4.64' LT	708.73	0.12

LEGEND

CLASS D PATCH

ROOT BARRIER

DETECTABLE WARNINGS

PORTLAND CEMENT CONCRETE

FOREST PRESERVE DISTRICT WILL COUNTY

DATE: 6/9/25

REVISIONS

ISSUED FOR BID

NO. 1

ACCESS POINT GRADING PLAN

COOPER ROAD ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO. 6593.055

PROJECT MGR. JFC

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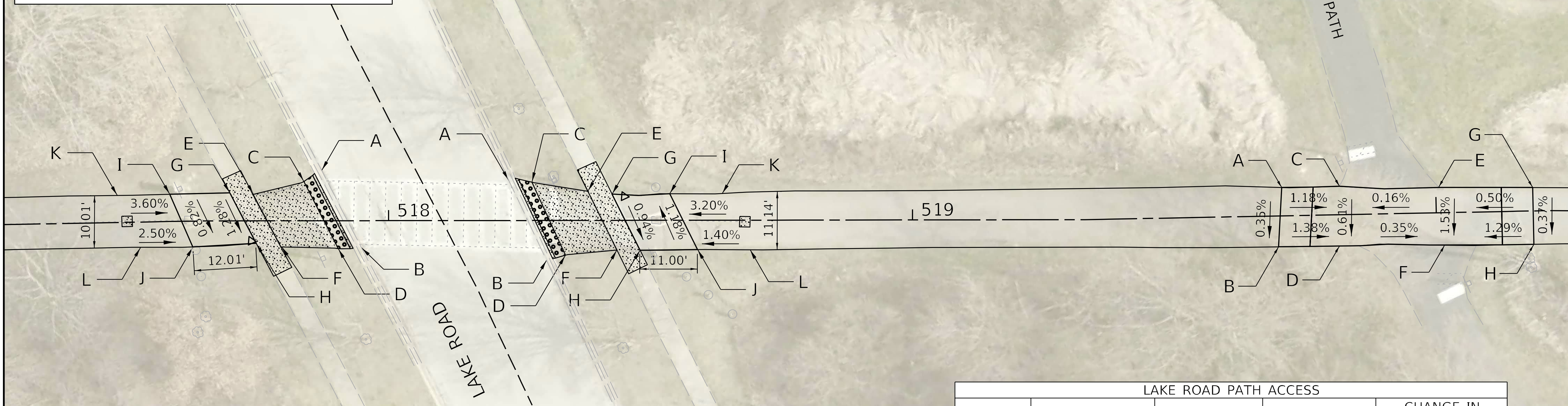
STRAND ASSOCIATES®

SHEET 36

LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE

LAKE ROAD EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	518+23	7.67' LT	711.88	0.00
B	518+30	7.58' RT	711.63	0.00
C	518+27	7.31' LT	711.91	0.00
D	518+34	6.64' RT	711.77	0.00
E	518+38	5.57' LT	712.67	0.00
F	518+44	5.68' RT	712.54	0.00
G	518+43	5.05' LT	712.67	0.00
H	518+48	5.73' RT	712.56	0.00
I	518+54	5.06' LT	712.81	0.12
J	518+59	5.61' RT	712.95	0.12
K	518+64	5.11' LT	713.13	0.12
L	518+69	5.67' RT	713.09	0.12

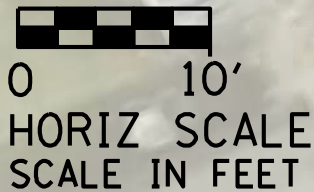


921 E BENTLEY ROAD

LAKE ROAD WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	517+87	9.63' LT	712.21	0.00
B	517+95	5.22' RT	711.95	0.00
C	517+84	7.52' LT	712.32	0.00
D	517+90	5.34' RT	712.05	0.00
E	517+74	5.06' LT	713.02	0.00
F	517+80	4.99' RT	712.93	0.08
G	517+70	5.36' LT	713.11	0.00
H	517+75	4.28' RT	712.97	0.00
I	517+58	5.20' LT	713.77	0.12
J	517+63	4.94' RT	713.68	0.12
K	517+48	5.17' LT	714.13	0.12
L	517+53	4.82' RT	713.93	0.12

LAKE ROAD PATH ACCESS				
POINT	STATION	OFFSET	ELEVATION	CHANGE IN ELEVATION
A	519+71	5.41' LT	713.64	0.12
B	519+70	5.91' RT	713.60	0.12
C	519+82	5.44' LT	713.51	0.00
D	519+81	5.98' RT	713.44	0.00
E	520+01	4.86' LT	713.54	0.00
F	520+01	6.20' RT	713.37	0.00
G	520+19	4.47' LT	713.63	0.12
H	520+19	6.38' RT	713.59	0.12

908 LAKE ROAD



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT GRADING PLAN
LAKE ROAD ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
37

SPENCER ROAD WEST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	535+30	5.18' LT	710.35	0.00
B	535+33	4.97' RT	710.10	0.00
C	535+27	5.15' LT	710.35	-0.08
D	535+31	5.00' RT	710.16	0.00
E	535+21	5.10' LT	710.72	0.12
F	535+25	4.92' RT	710.60	0.12
G	535+11	5.06' LT	710.96	0.12
H	535+15	4.84' RT	711.02	0.12



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

ACCESS POINT GRADING PLAN
SPENCER ROAD ACCESS
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
38

LEGEND

CLASS D PATCH

ROOT BARRIER

DETECTABLE WARNINGS

PORTLAND CEMENT CONCRETE

915 SPENCER ROAD

CONSTITUTION ROAD

21449 SPENCER ROAD (PRIVATE DRIVEWAY)

SPENCER ROAD EAST ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	535+64	5.19' LT	709.80	0.00
B	535+66	4.79' RT	709.52	0.00
C	535+66	5.18' LT	709.72	0.00
D	535+69	4.74' RT	709.54	0.00
E	535+83	5.18' LT	709.81	0.00
F	535+83	4.73' RT	709.64	0.00
G	535+94	5.62' LT	710.10	0.12
H	535+94	4.54' RT	710.14	0.12
I	536+04	5.84' LT	710.32	0.12
J	536+04	4.38' RT	710.38	0.12

0 10'
HORIZ SCALE
SCALE IN FEET

LEGEND

- CLASS D PATCH
- ROOT BARRIER
- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE



NO.	REVISIONS	DATE
1	ISSUED FOR BID	6/9/25

ACCESS POINT GRADING PLAN
SCHOOLHOUSE ROAD ACCESS

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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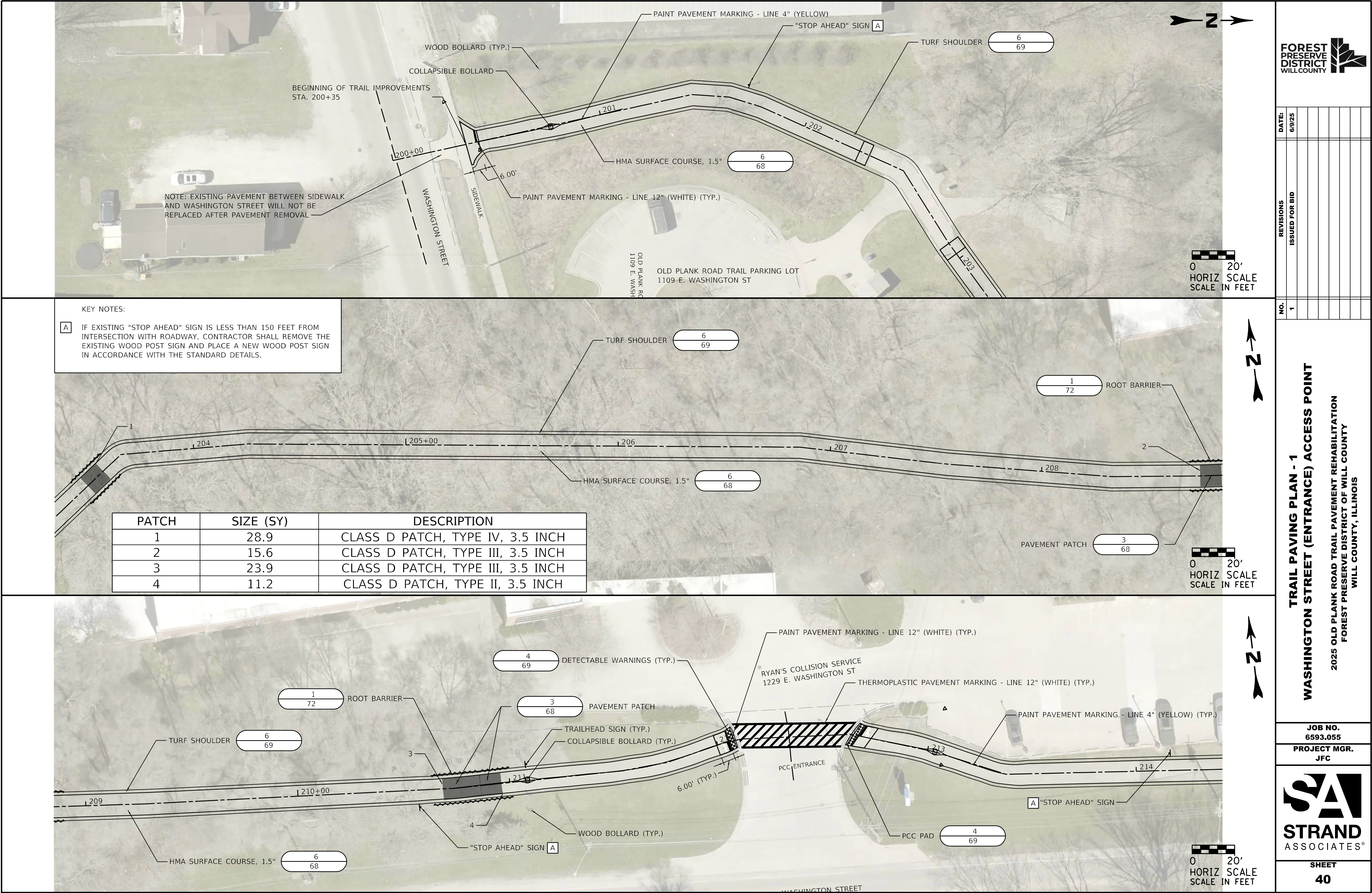
SHEET
39

CONSTITUTION ROAD

SCHOOLHOUSE ROAD

SCHOOLHOUSE ROAD ACCESS				
POINT	STATION	OFFSET	PROPOSED ELEVATION	CHANGE IN ELEVATION
A	575+13	6.56' LT	714.59	0.00
B	575+12	3.89' RT	714.69	0.00
C	575+10	6.47' LT	714.51	0.00
D	575+10	3.74' RT	714.70	-0.08
E	574+93	5.61' LT	714.54	0.00
F	574+93	3.65' RT	714.67	-0.25
G	574+83	5.49' LT	714.99	0.12
H	574+83	3.93' RT	715.17	0.08
I	574+73	5.62' LT	715.20	0.20
J	574+73	4.15' RT	715.38	0.12

0 10'
HORIZ SCALE
SCALE IN FEET



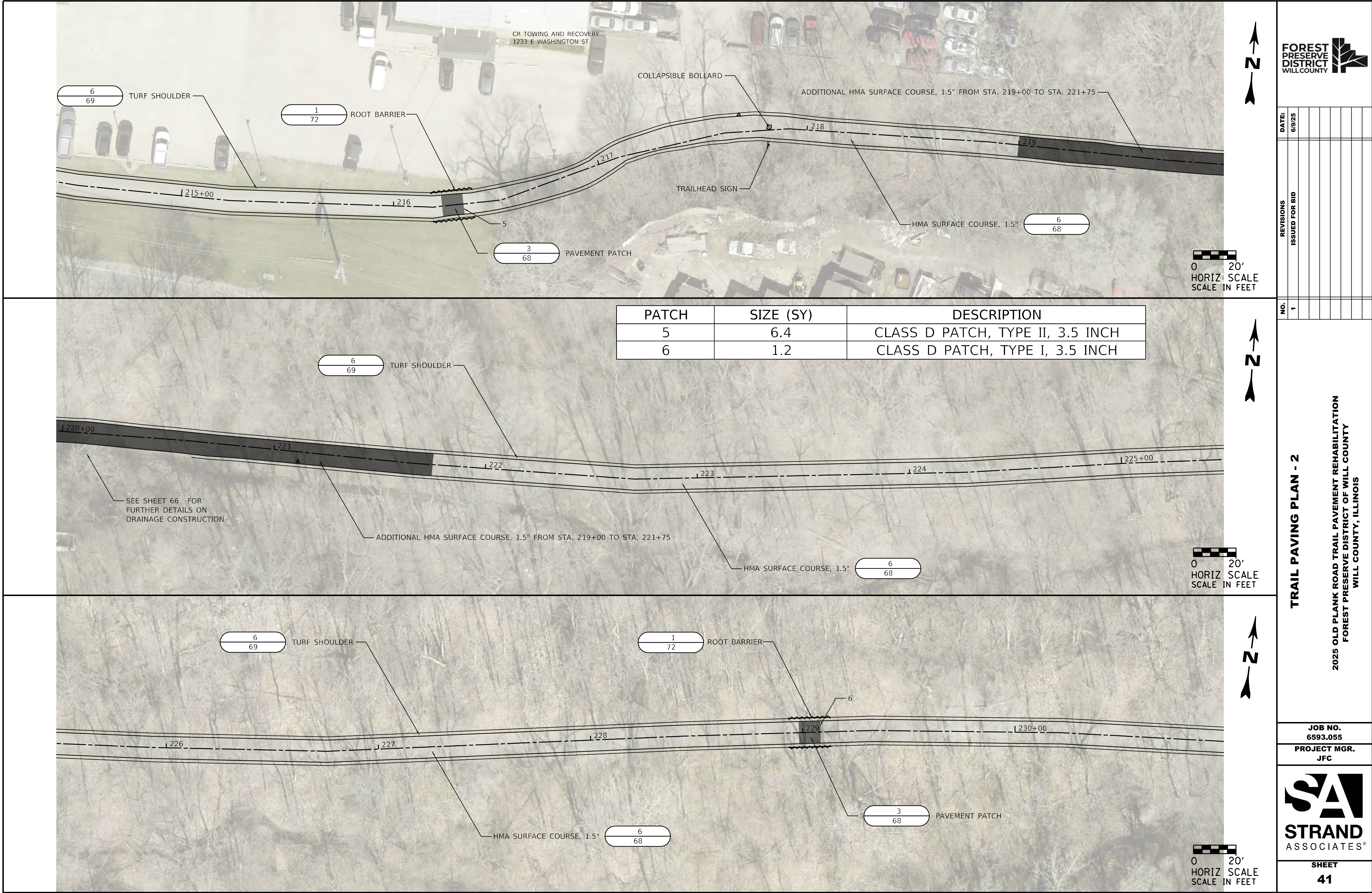
DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

TRAIL PAVING PLAN - 1
WASHINGTON STREET (ENTRANCE) ACCESS POINT
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
40



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

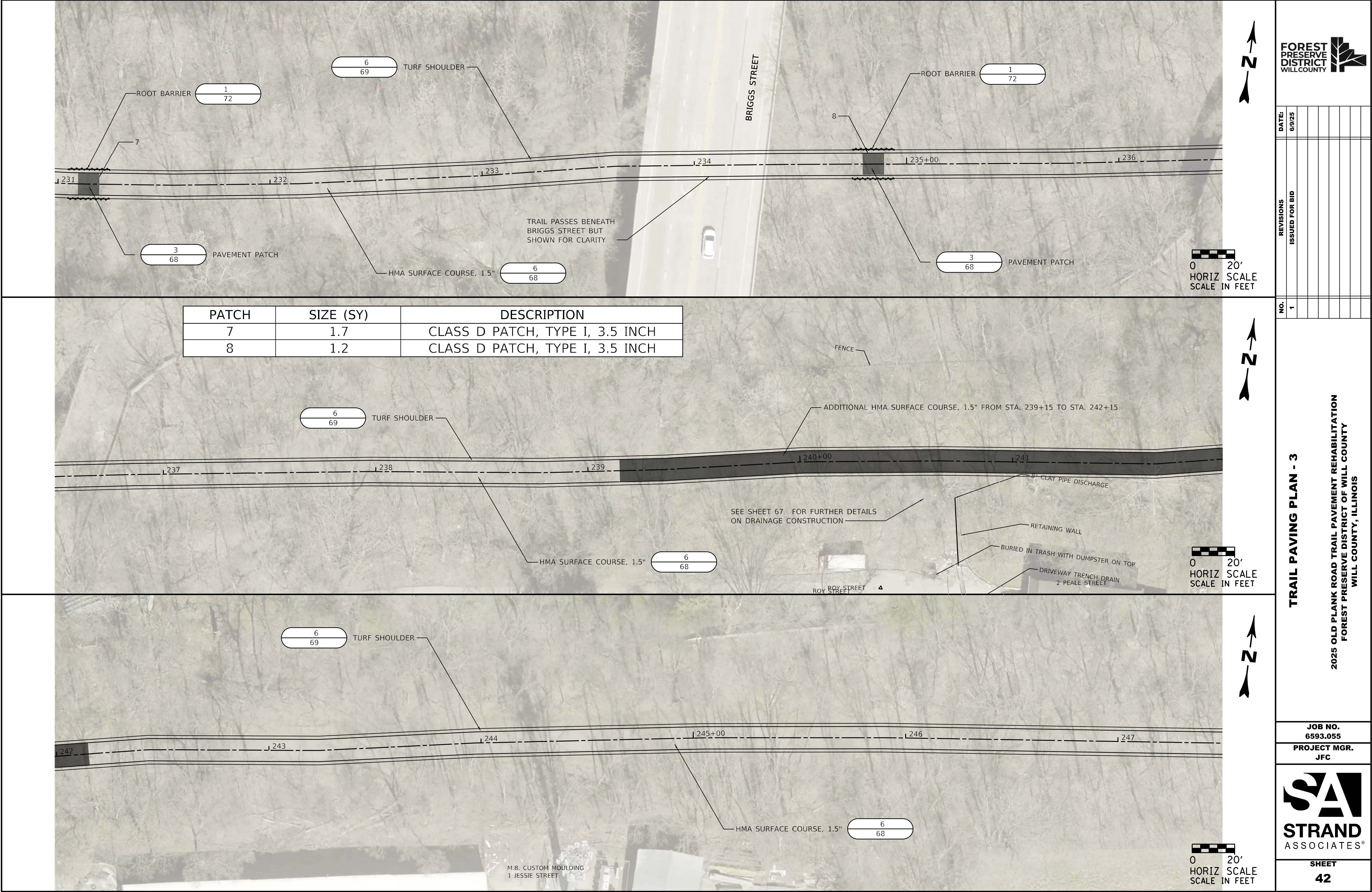
TRAIL PAVING PLAN - 2

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

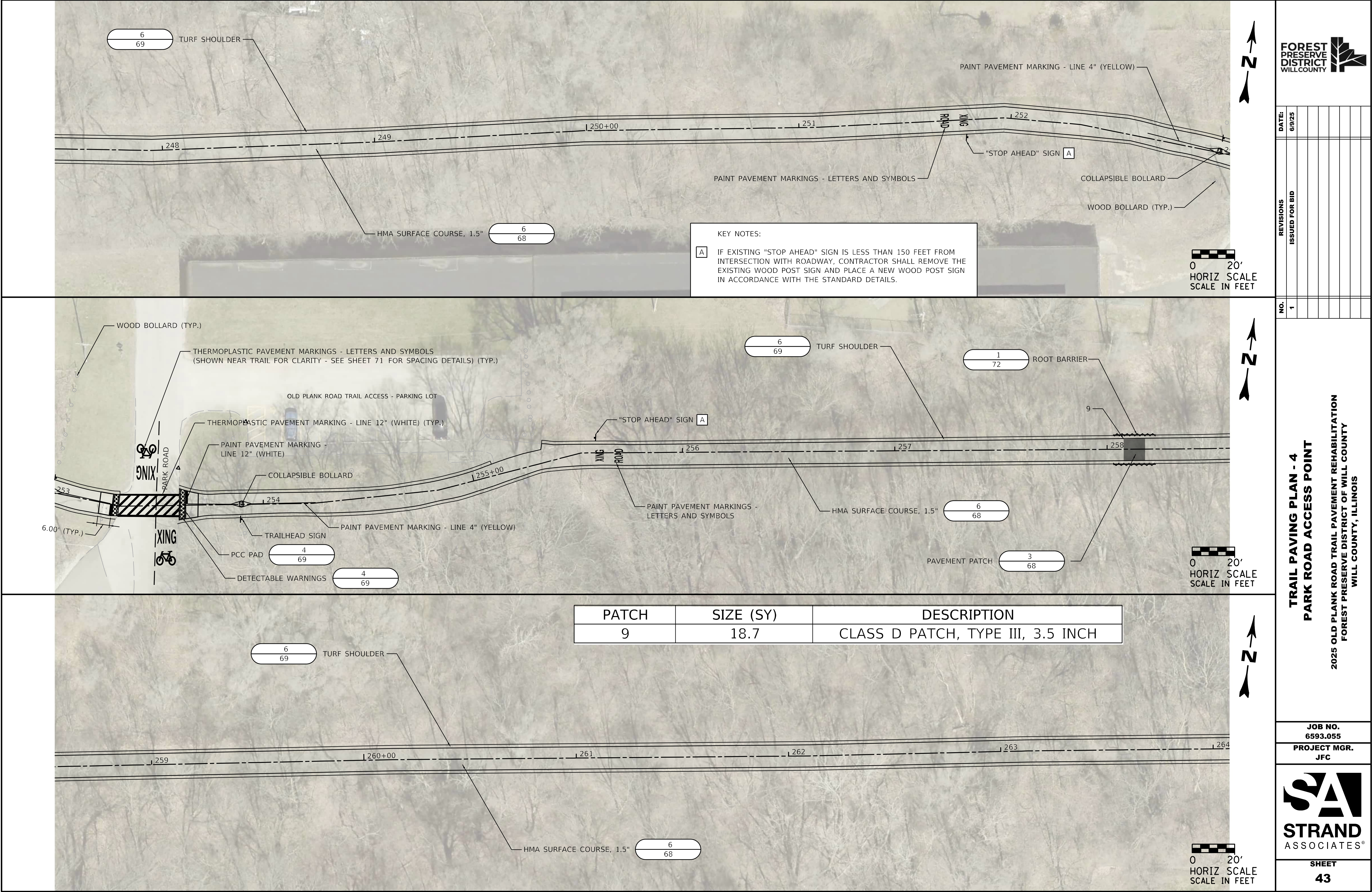
JOB NO.
6593.055
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SHEET
41



DATE	6/9/25							
REVISIONS	ISSUED FOR BID							
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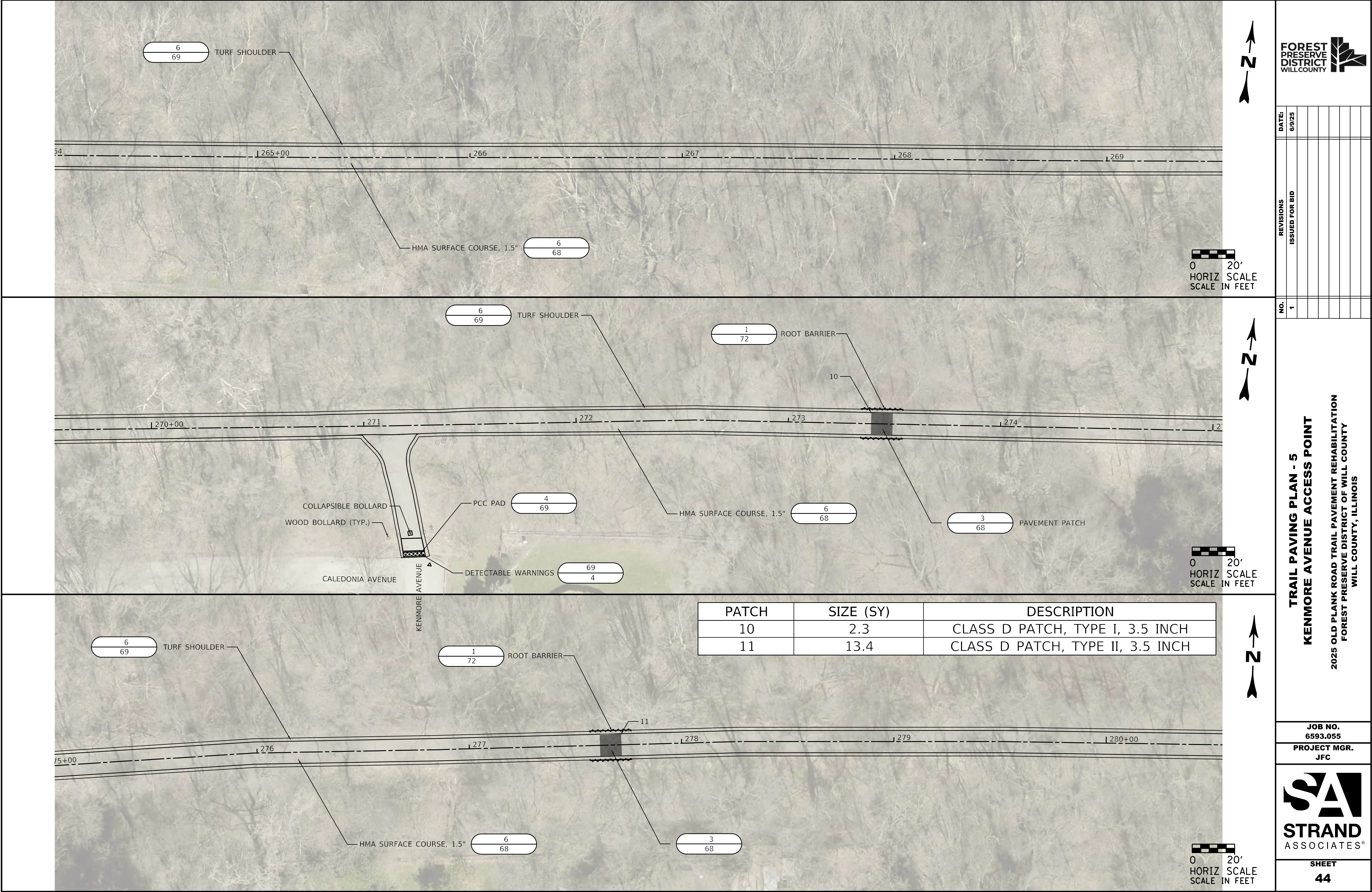
DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

TRAIL PAVING PLAN - 4
PARK ROAD ACCESS POINT
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
43



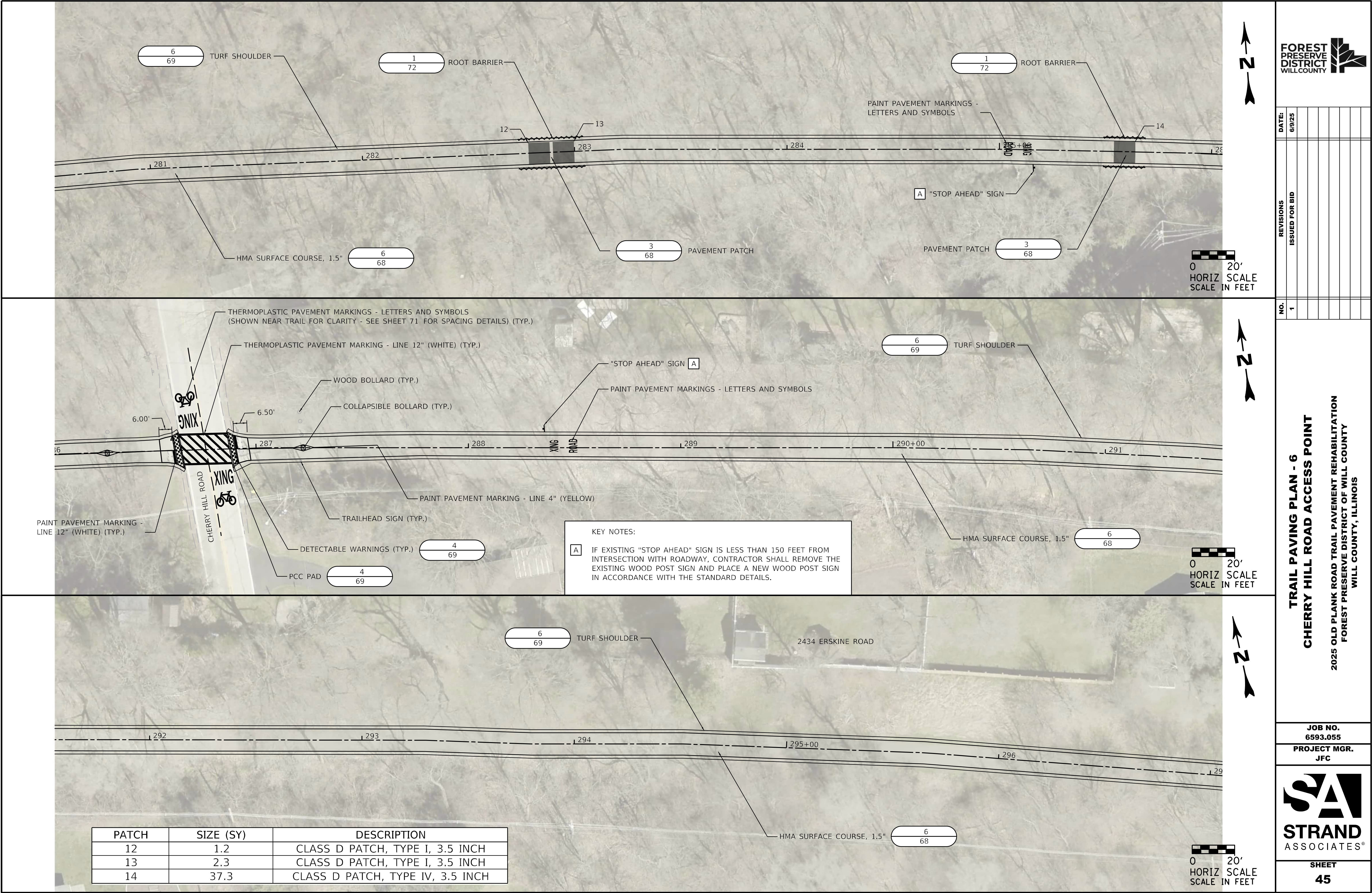
DATE	6/9/25						
REVISIONS	ISSUED FOR BID						
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TRAIL PAVING PLAN - 5
KENMORE AVENUE ACCESS POINT
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

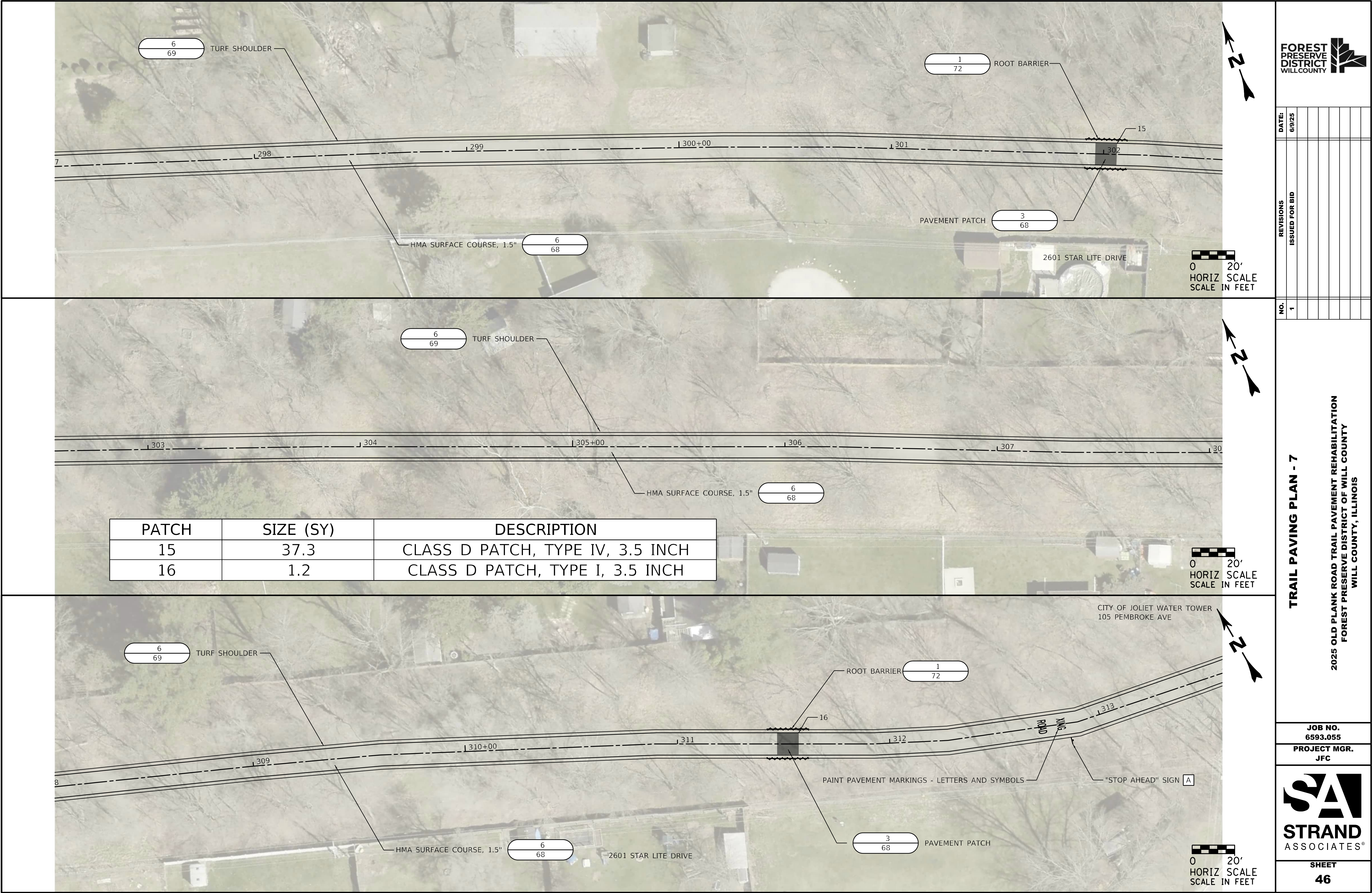
JOB NO.
6593.055
PROJECT MGR.
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SHEET
44



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								



DATE	6/9/25						
REVISIONS	ISSUED FOR BID						
NO.	1						

TRAIL PAVING PLAN - 7

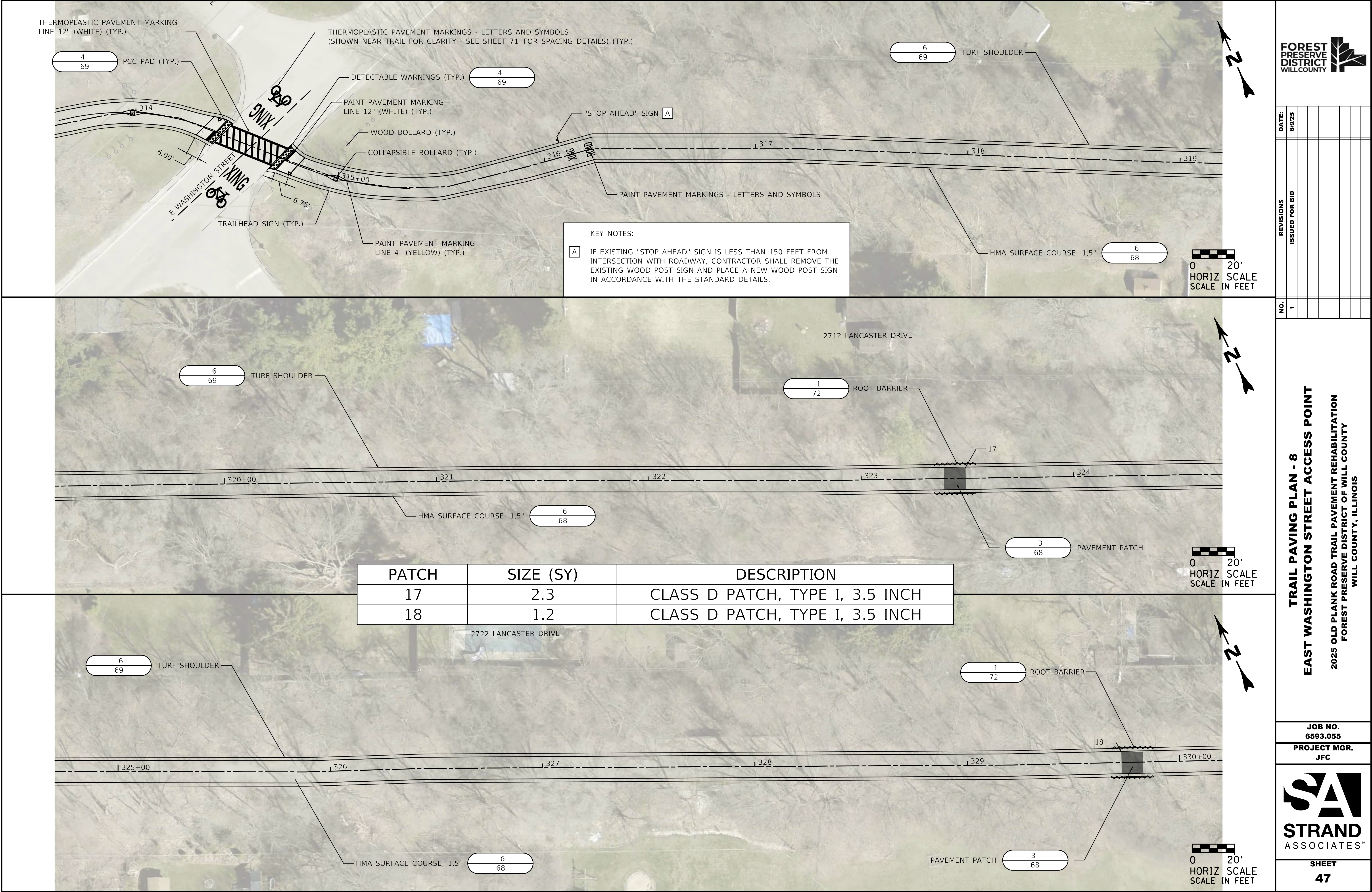
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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SHEET
46



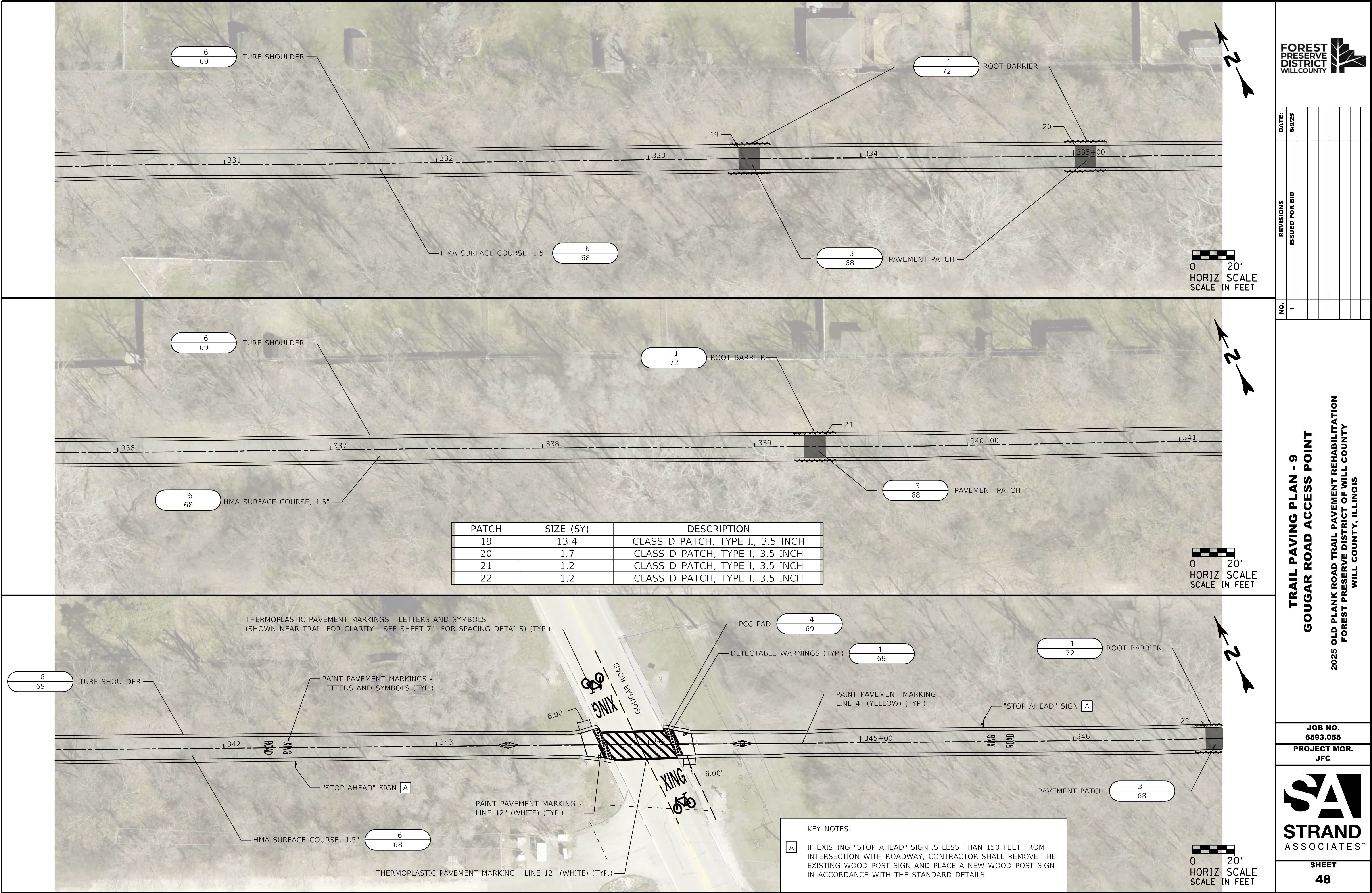
DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
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TRAIL PAVING PLAN - 8
EAST WASHINGTON STREET ACCESS POINT
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
47



DATE	6/9/25								
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NO.	1								

TRAIL PAVING PLAN - 9
GOUGAR ROAD ACCESS POINT
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
48



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

TRAIL PAVING PLAN - 10

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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SHEET
49



DATE:		REVISIONS							
6/9/25		ISSUED FOR BID							
NO.	1								

TRAIL PAVING PLAN - 11

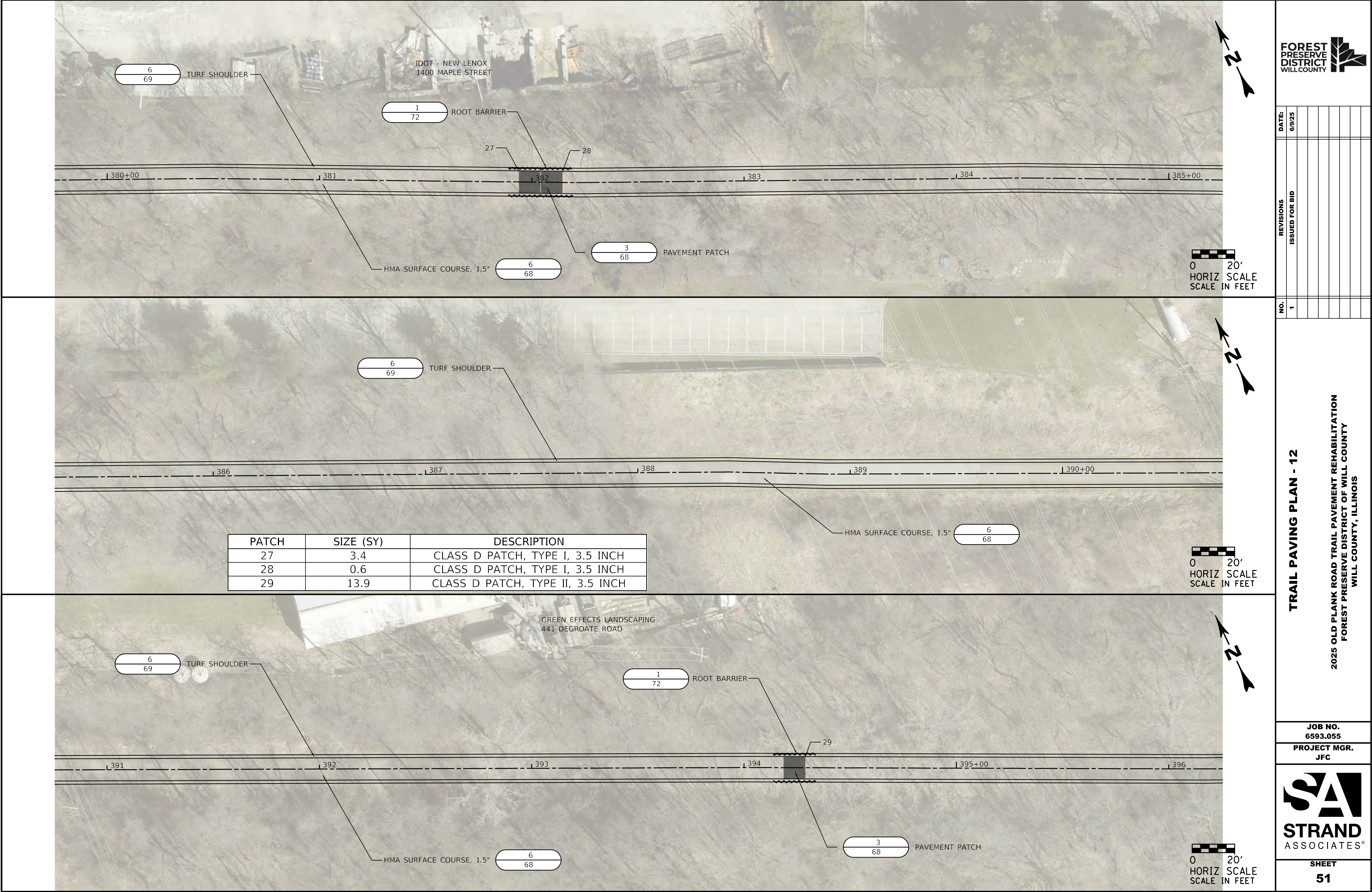
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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SHEET
50



DATE	6/9/25						
REVISIONS	ISSUED FOR BID						
NO.	1						

TRAIL PAVING PLAN - 12

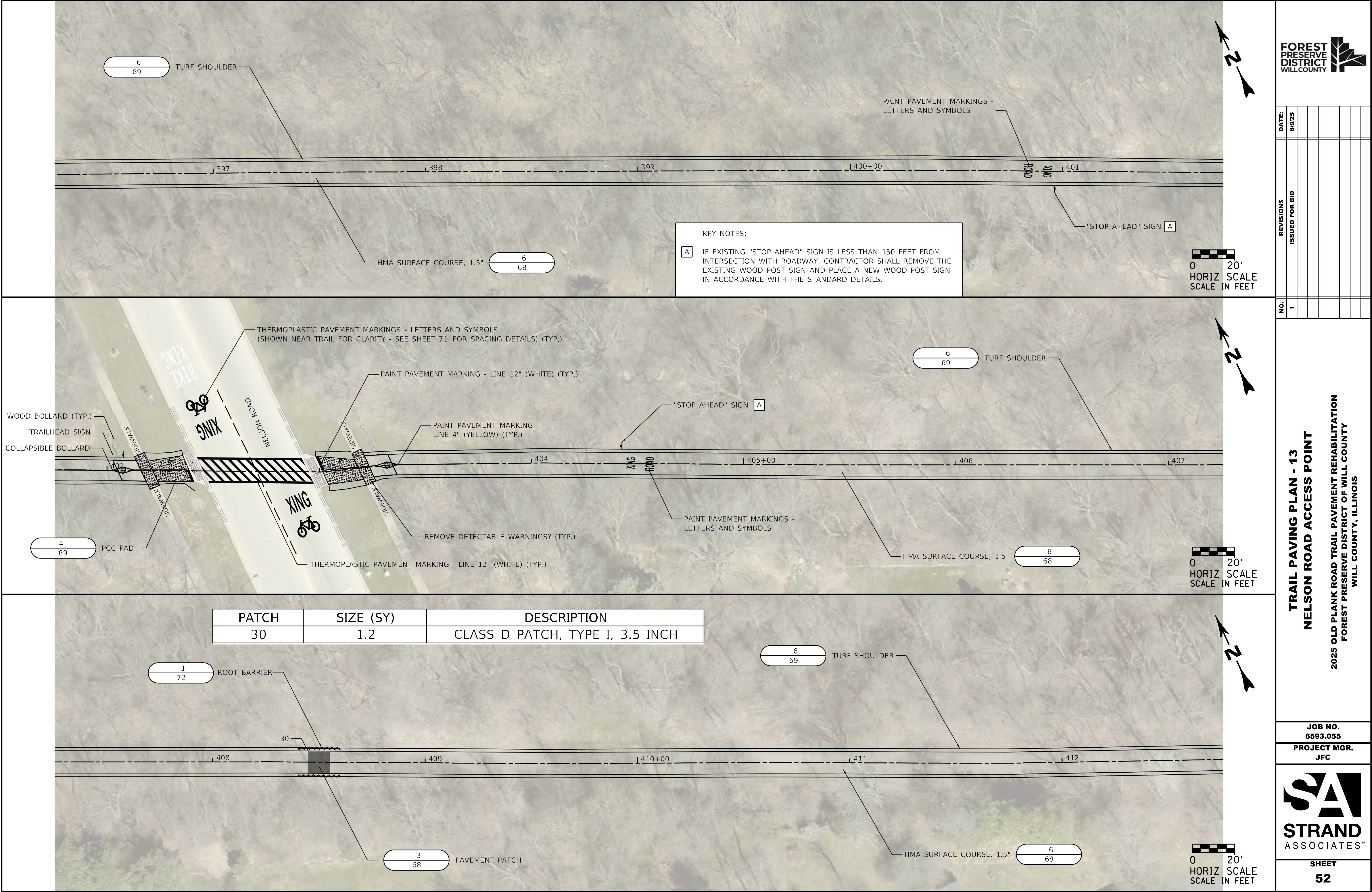
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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SHEET
51



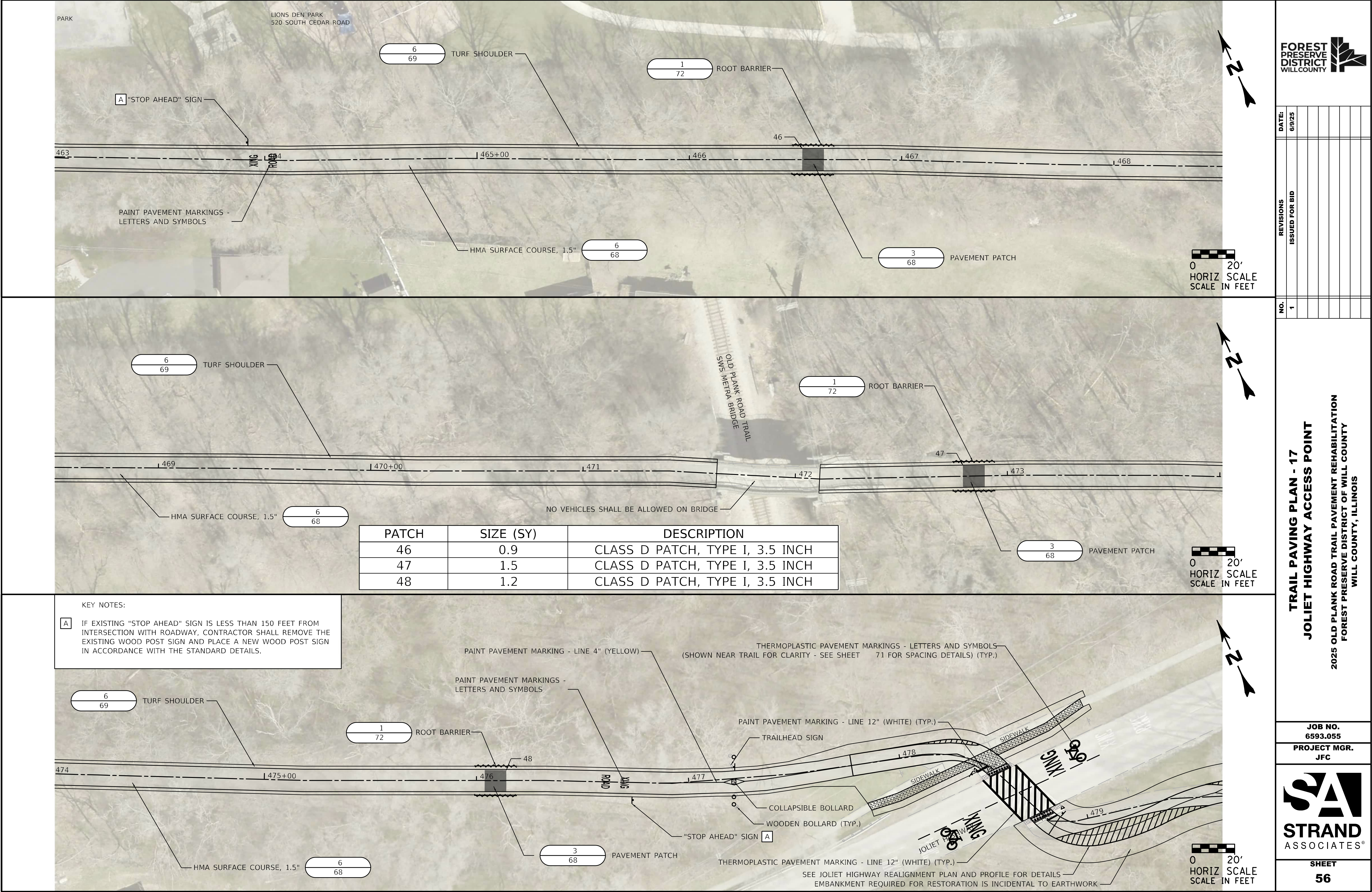
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REVISIONS		ISSUED FOR BID							
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TRAIL PAVING PLAN - 13
NELSON ROAD ACCESS POINT
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO. 6593.055
PROJECT MGR. JFC



SHEET 52



KEY NOTES:

[A] IF EXISTING "STOP AHEAD" SIGN IS LESS THAN 150 FEET FROM INTERSECTION WITH ROADWAY, CONTRACTOR SHALL REMOVE THE EXISTING WOOD POST SIGN AND PLACE A NEW WOOD POST SIGN IN ACCORDANCE WITH THE STANDARD DETAILS.

PATCH	SIZE (SY)	DESCRIPTION
46	0.9	CLASS D PATCH, TYPE I, 3.5 INCH
47	1.5	CLASS D PATCH, TYPE I, 3.5 INCH
48	1.2	CLASS D PATCH, TYPE I, 3.5 INCH



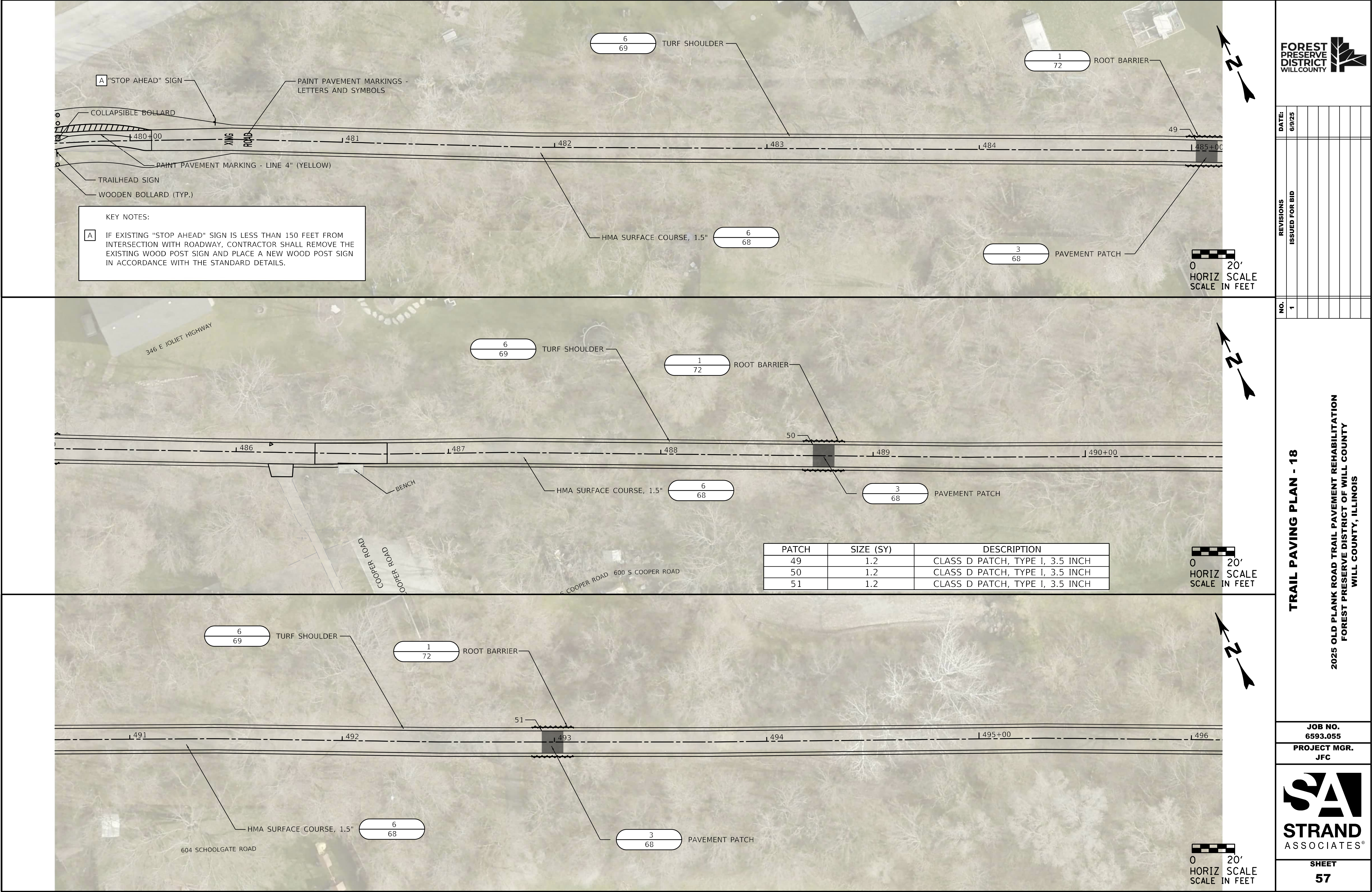
DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

TRAIL PAVING PLAN - 17
JOLIET HIGHWAY ACCESS POINT
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC



SHEET
56



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

TRAIL PAVING PLAN - 18

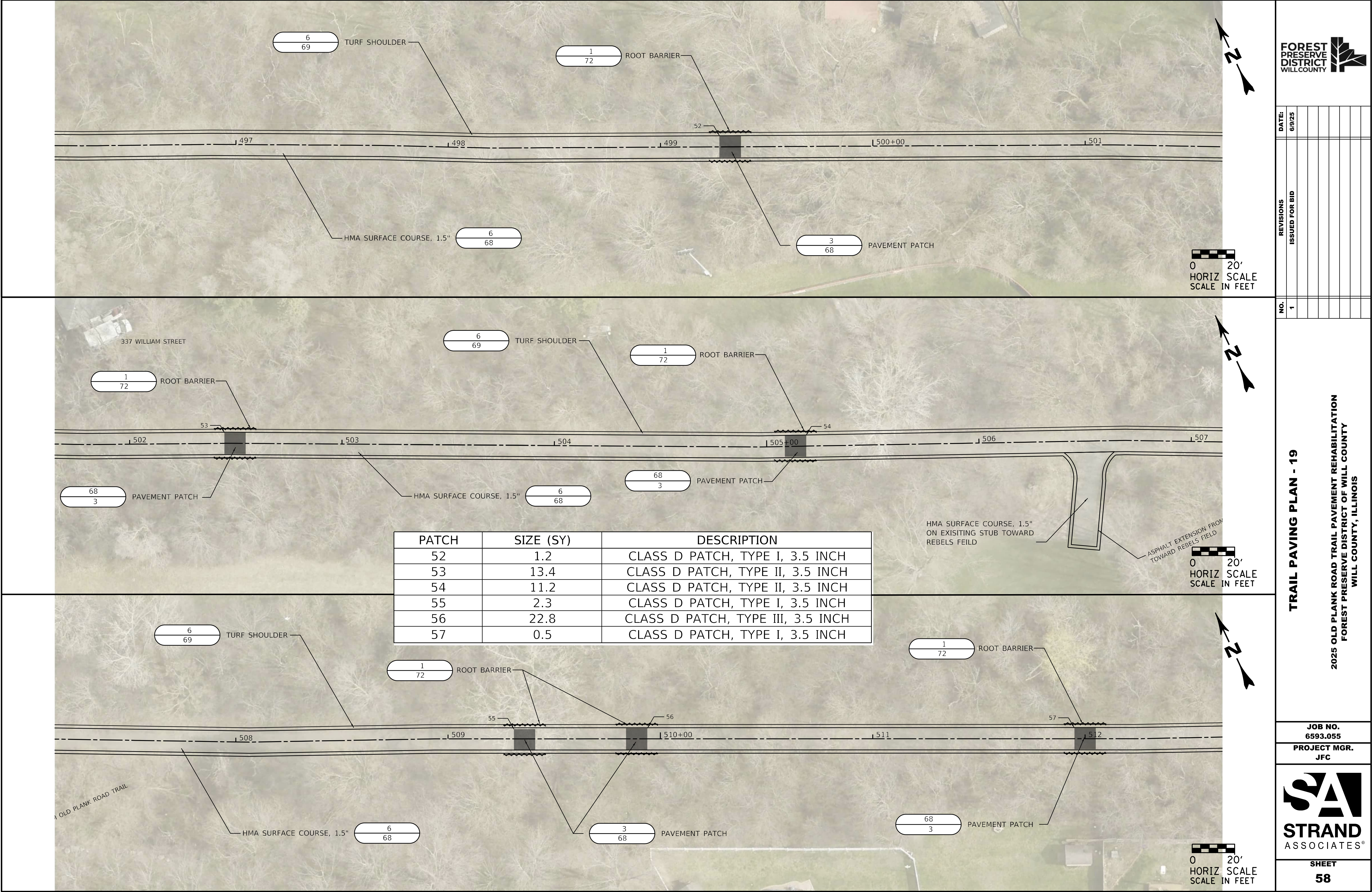
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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SHEET
57



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

TRAIL PAVING PLAN - 19

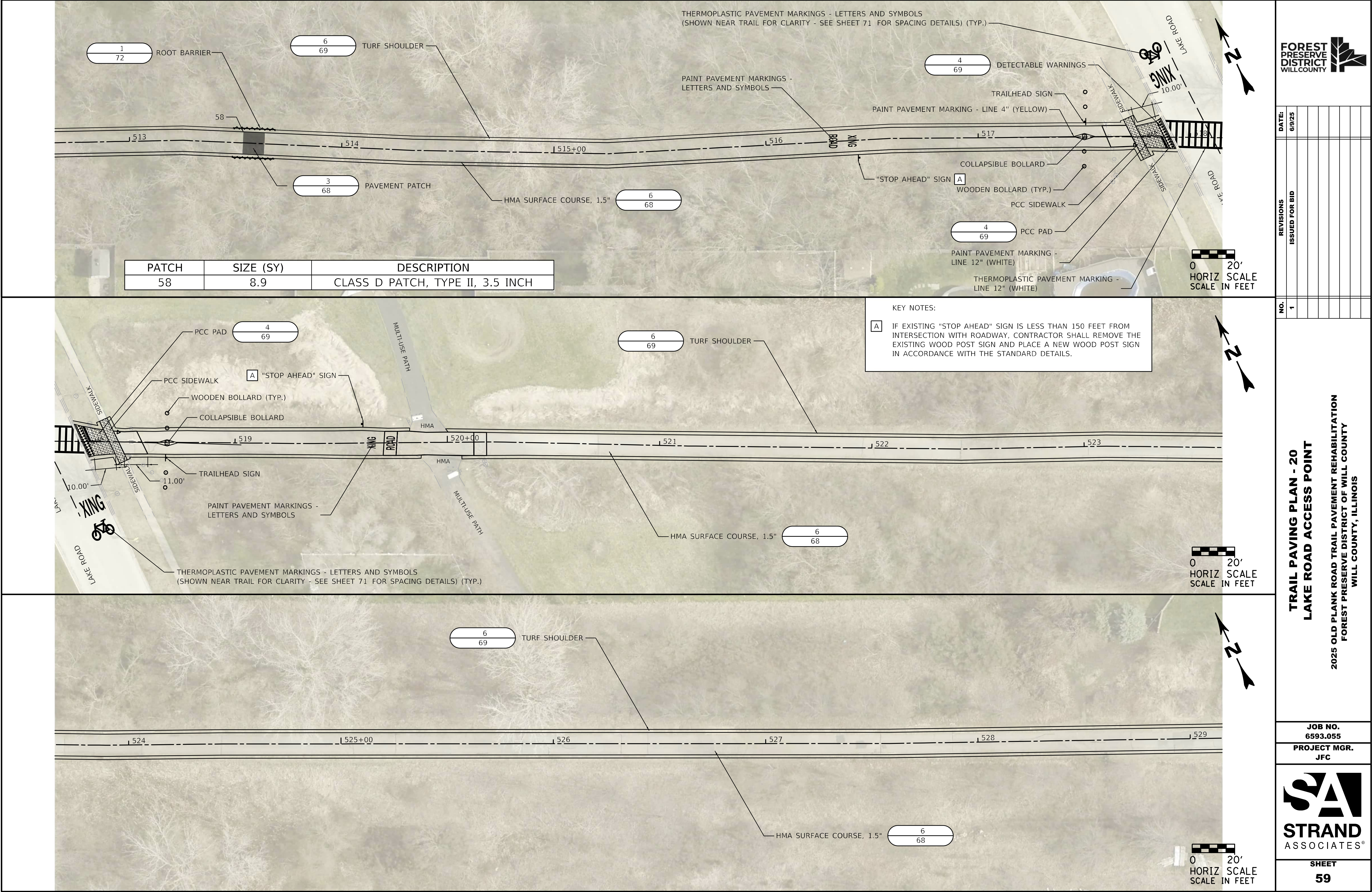
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC



SHEET
58



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

TRAIL PAVING PLAN - 20
LAKE ROAD ACCESS POINT

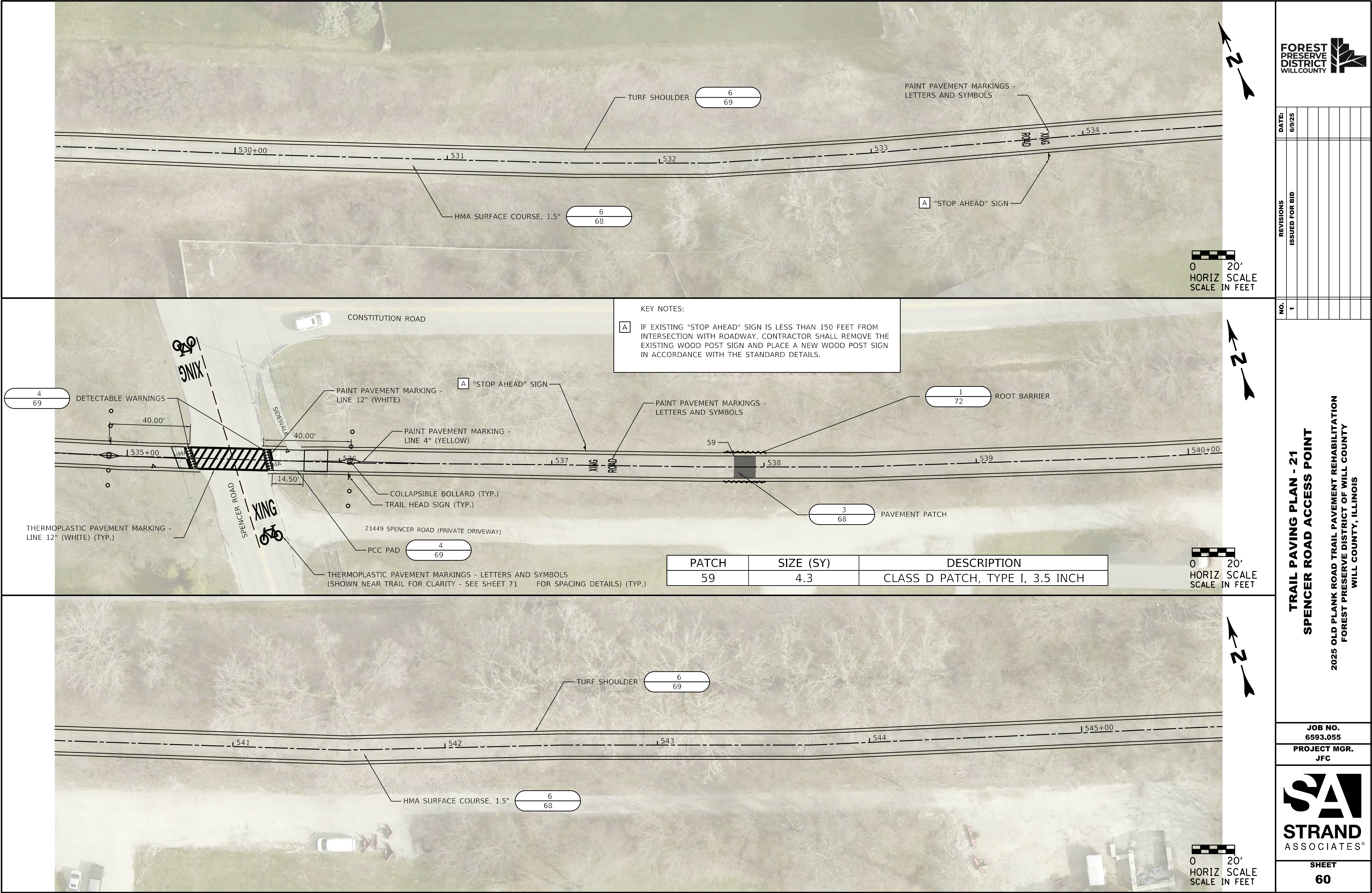
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
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SHEET
59



DATE:		6/9/25							
REVISIONS		ISSUED FOR BID							
NO.	1								

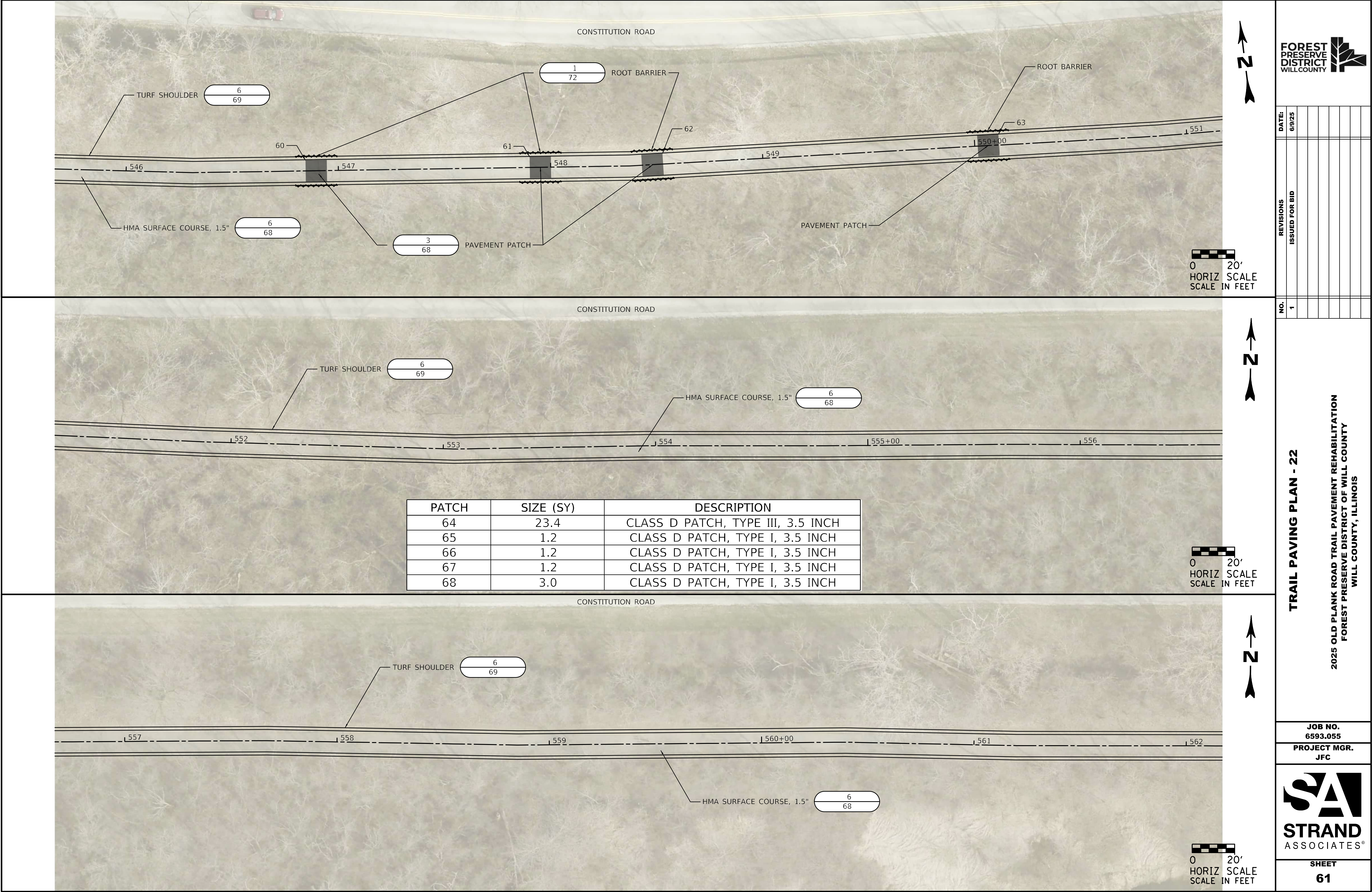
TRAIL PAVING PLAN - 21
SPENCER ROAD ACCESS POINT

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
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SHEET
60



DATE	6/9/25							
REVISIONS	ISSUED FOR BID							
NO.	1							

TRAIL PAVING PLAN - 22

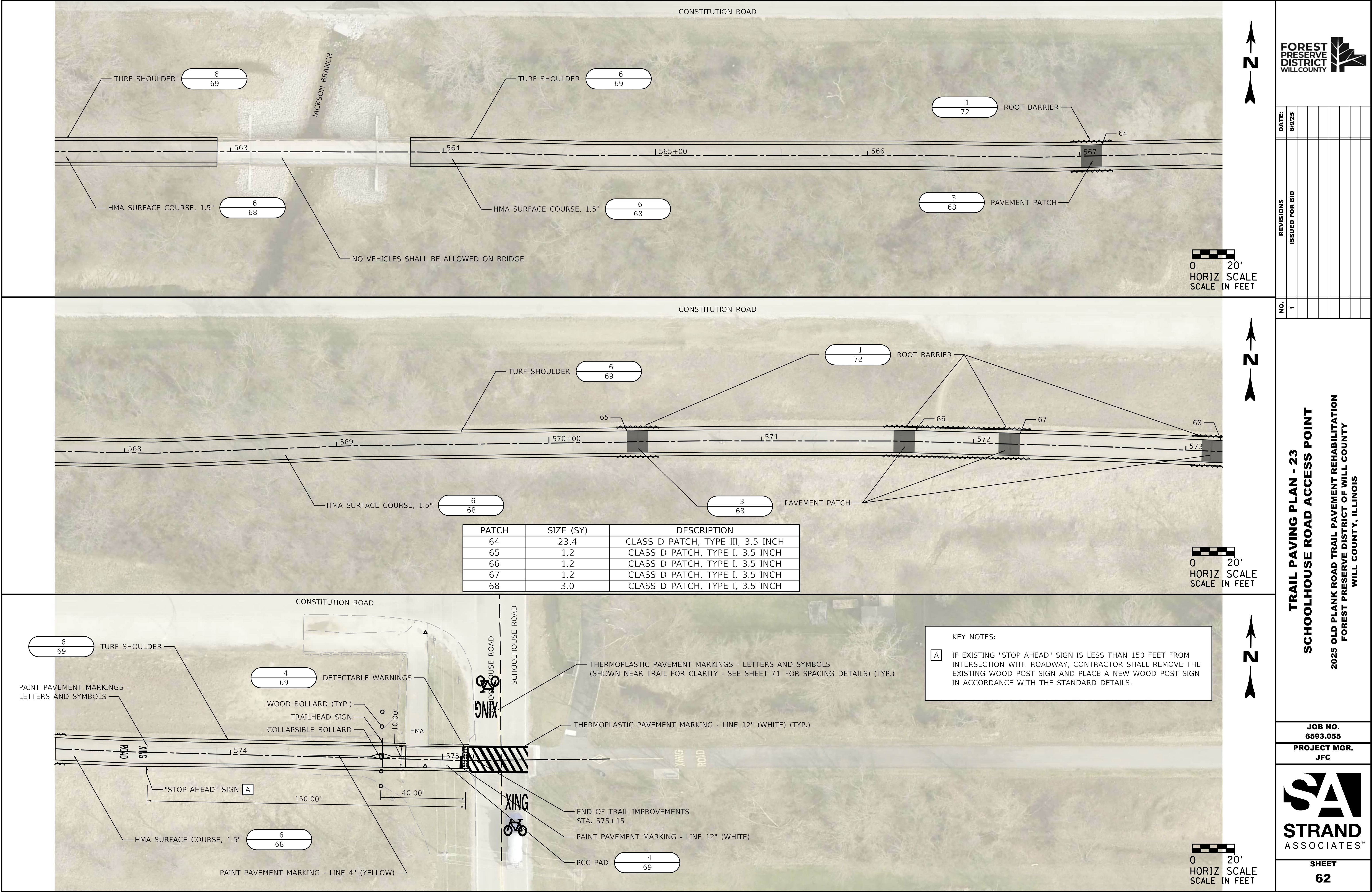
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC



SHEET
61



DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

TRAIL PAVING PLAN - 23

SCHOOLHOUSE ROAD ACCESS POINT

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION

FOREST PRESERVE DISTRICT OF WILL COUNTY

WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC



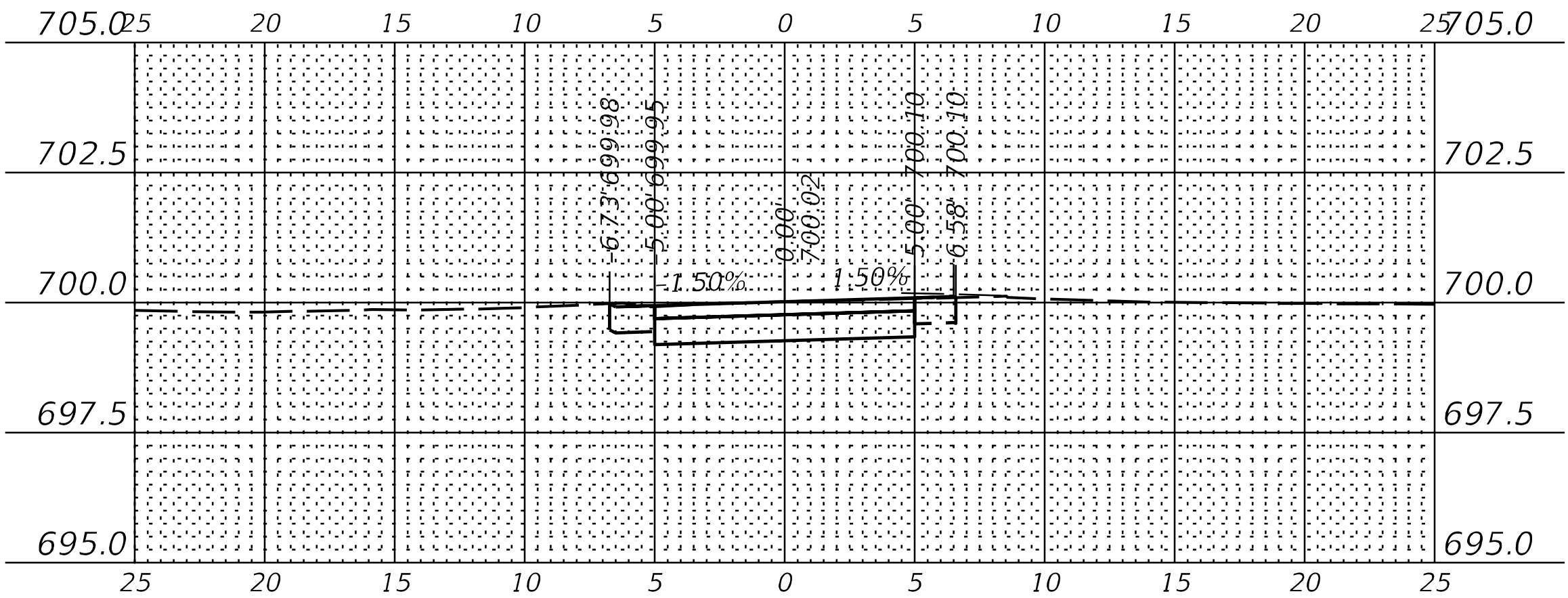
SHEET
62

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED _____		
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

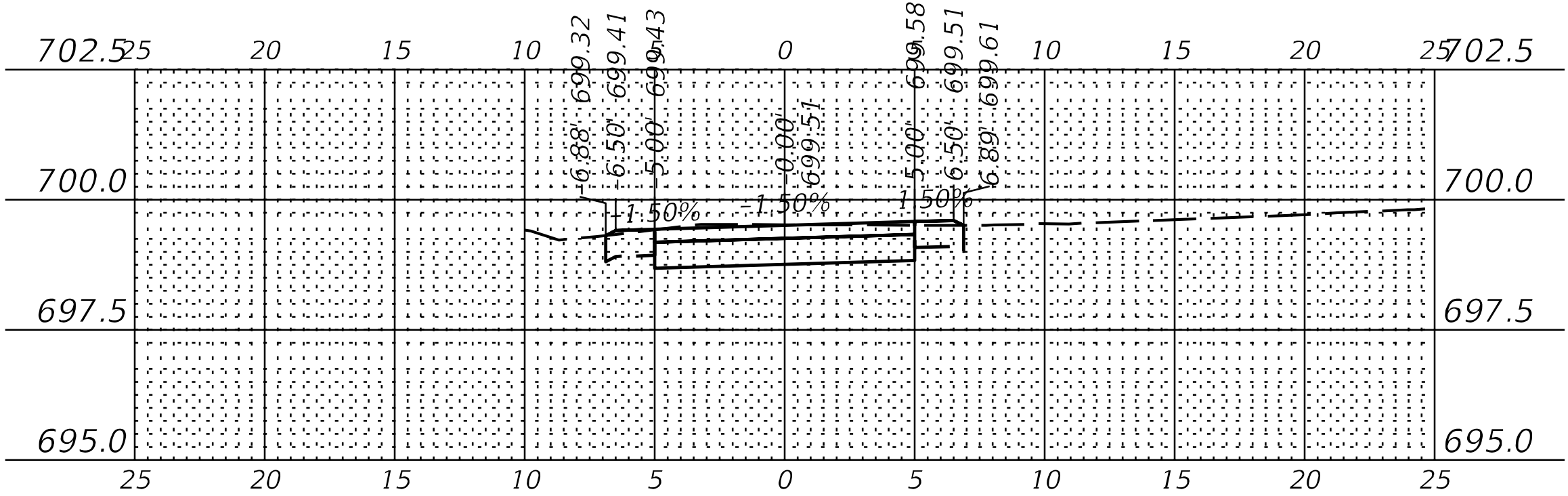
FINAL SURVEY		BY	DATE
	SURVEYED _____		
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO _____	AREAS CHECKED _____		

MODEL: PrJolietHwy2 NO _____ AREAS CHECKED _____
FILE NAME: S:\JOL\6500--6599\6593\055\Drawings\CAD\Micro-SS4\Modeling\6593055 - JolietHwy Corridor Model.dgn

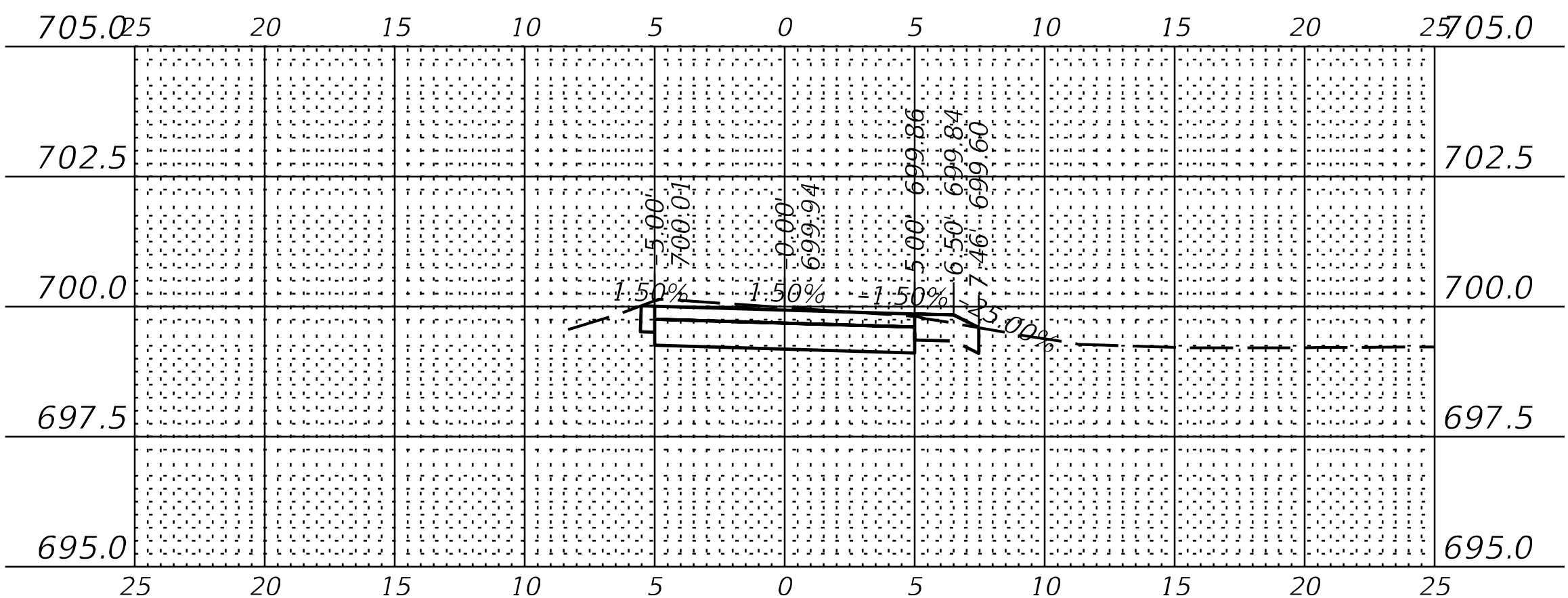
 SA STRAND ASSOCIATES 1170 SOUTH HARBOR TOWER ROAD JOLIET, ILLINOIS 60131 (815) 744-4200	USER NAME = jlmjnc	DESIGNED -	REVISED -	<div style="text-align: center;"> FOREST PRESERVE DISTRICT OF WILL COUNTY </div> <div style="text-align: center;"> JOLIET HIGHWAY REALIGNMENT CROSS-SECTIONS - 1 </div>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	
		DRAWN -	REVISED -							64		
		CHECKED -	REVISED -									
		DATE -	REVISED -									
	PLOT SCALE = 5.0000' / in.				CONTRACT NO.							
	PLOT DATE = 5/22/2025				ILLINOIS FED. AID PROJECT							
					SCALE:							
					SHEET OF SHEETS STA.							



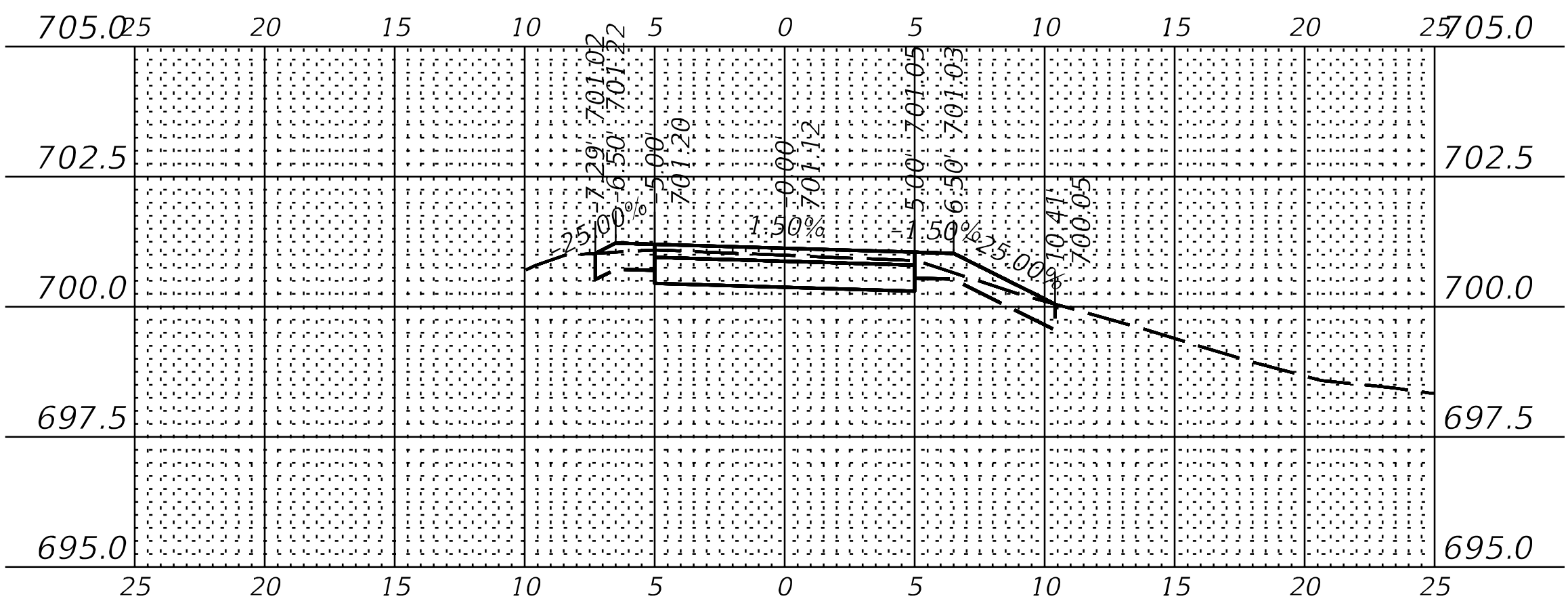
700 + 70.00 R1



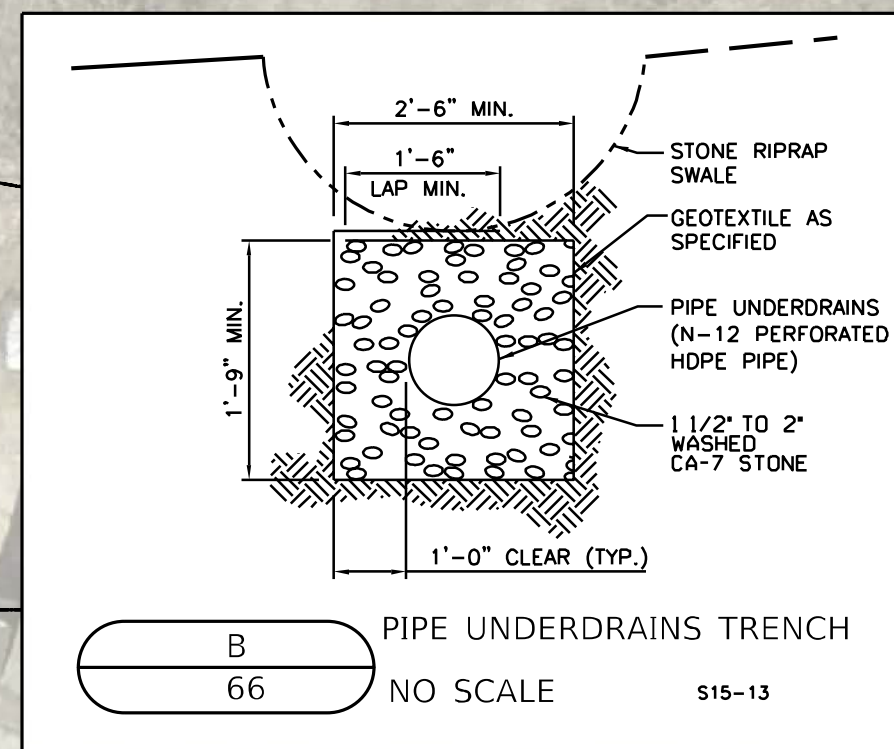
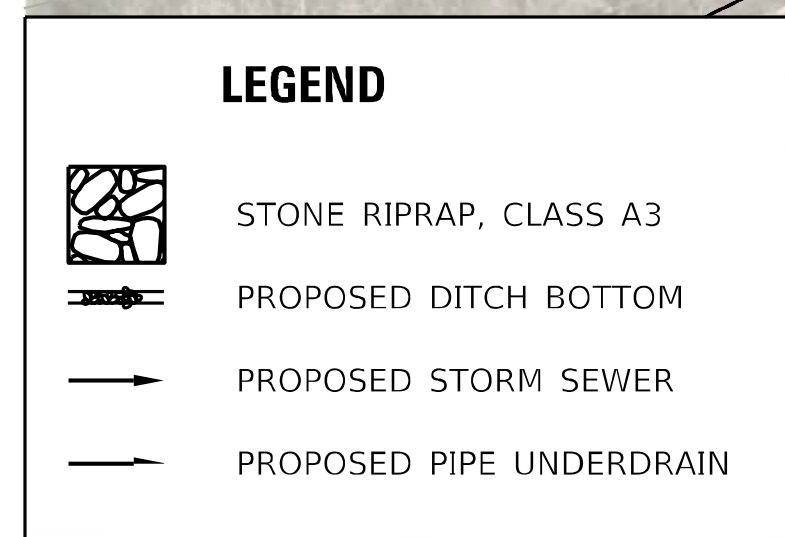
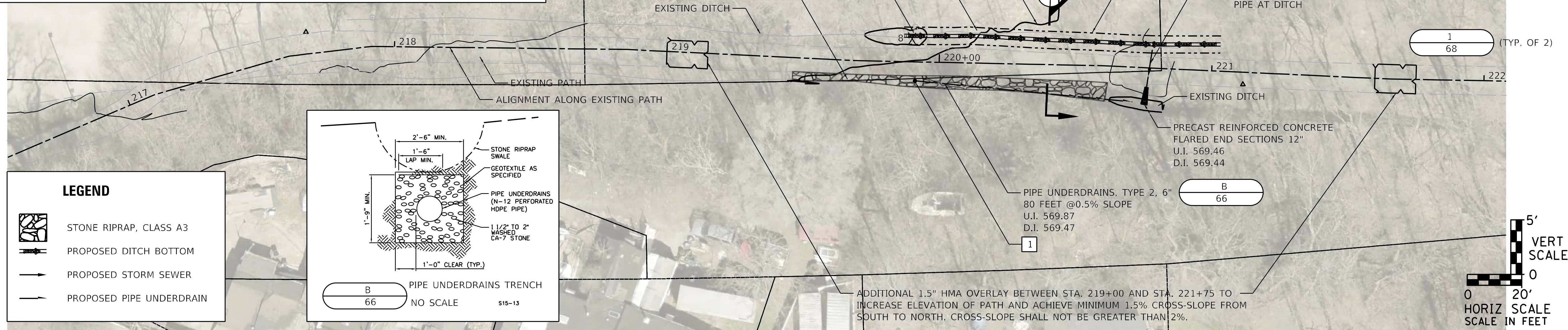
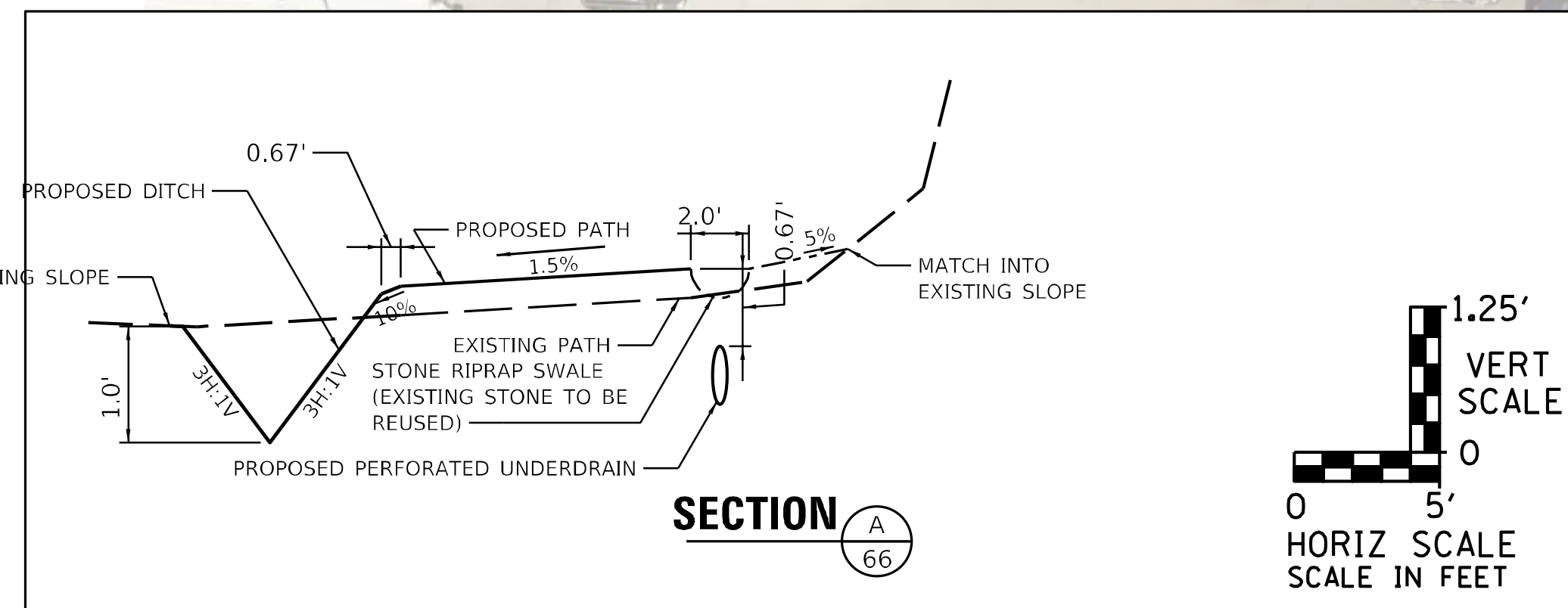
700 + 50.00 R1



700 + 25.00 R1

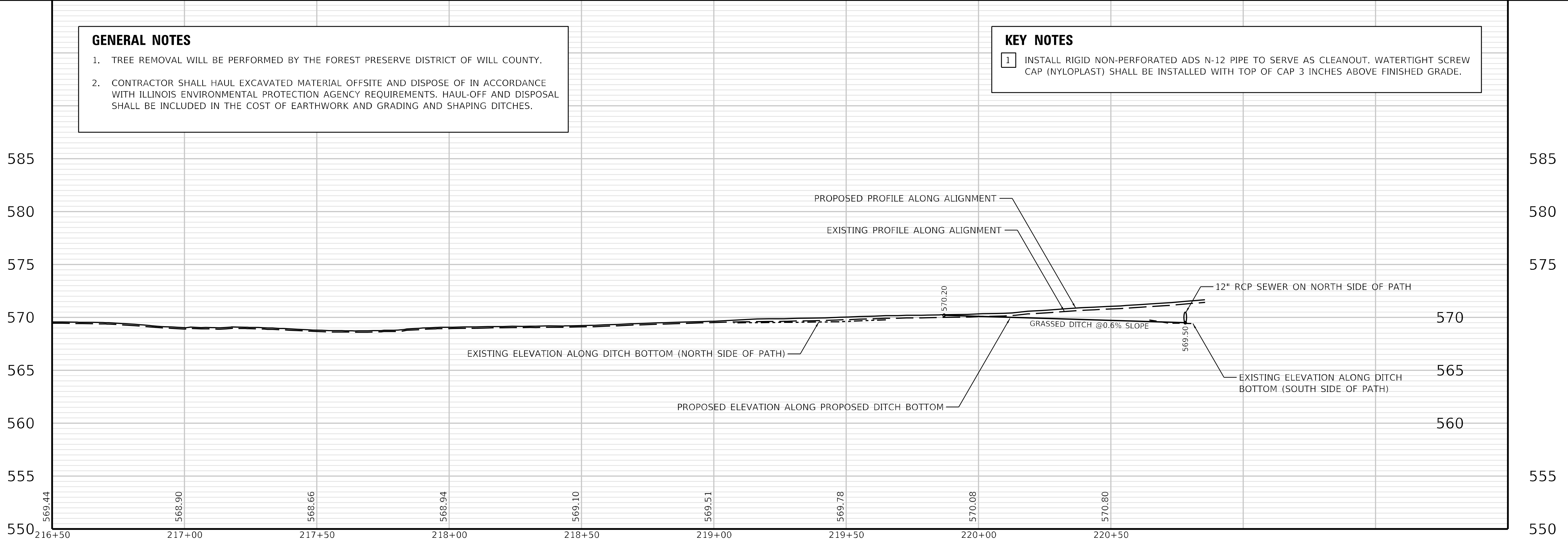


700 + 00.00 R1



- ## GENERAL NOTES

- ## KEY NOTES

[illegible]

DRAINAGE IMPROVEMENTS PLAN AND PROFILE - 1
STA. 220+00

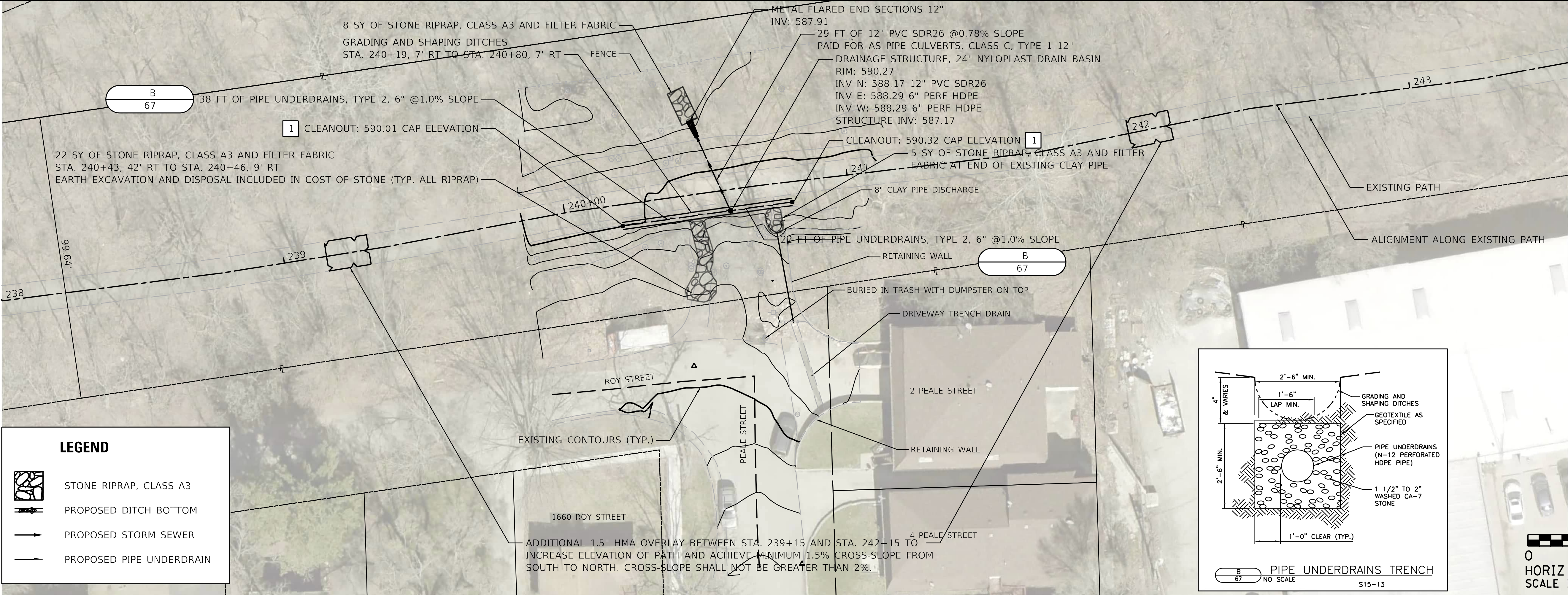
**2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
JOLIET, ILLINOIS**

JOB NO.
6593.055

PROJECT MGR.
JFC



SHEET
66



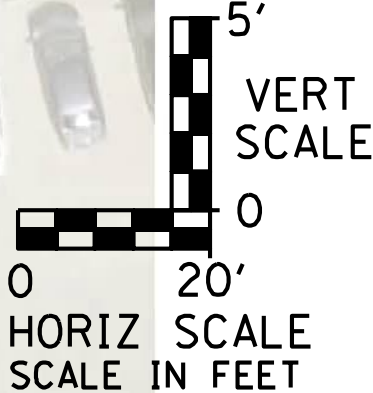
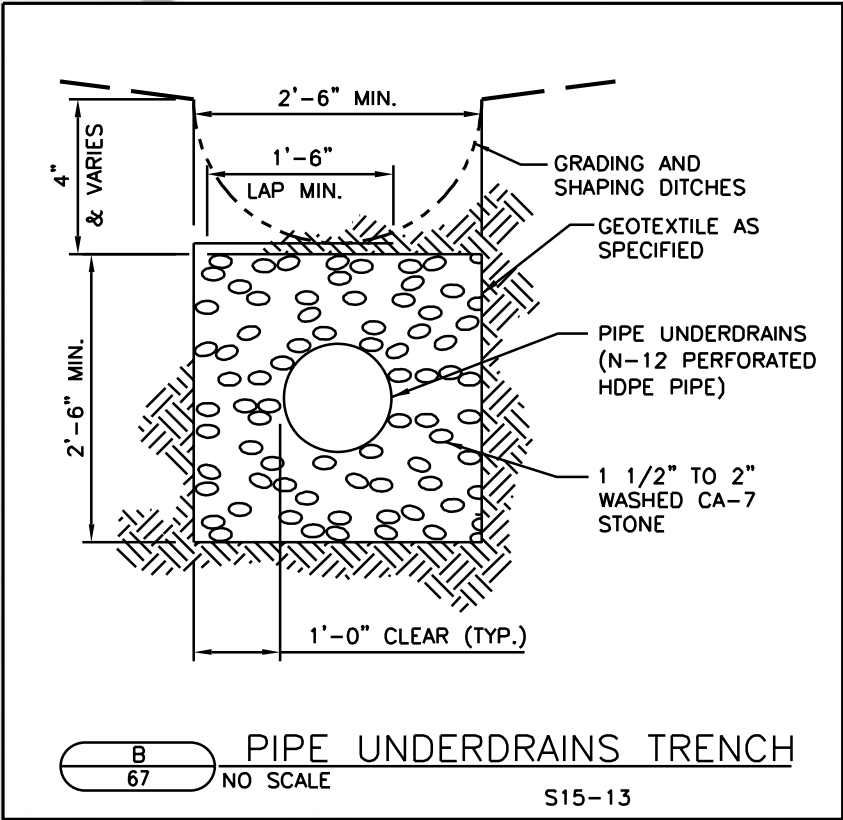
LEGEND

STONE RIPRAP, CLASS A3

PROPOSED DITCH BOTTOM

PROPOSED STORM SEWER

PROPOSED PIPE UNDERDRAIN

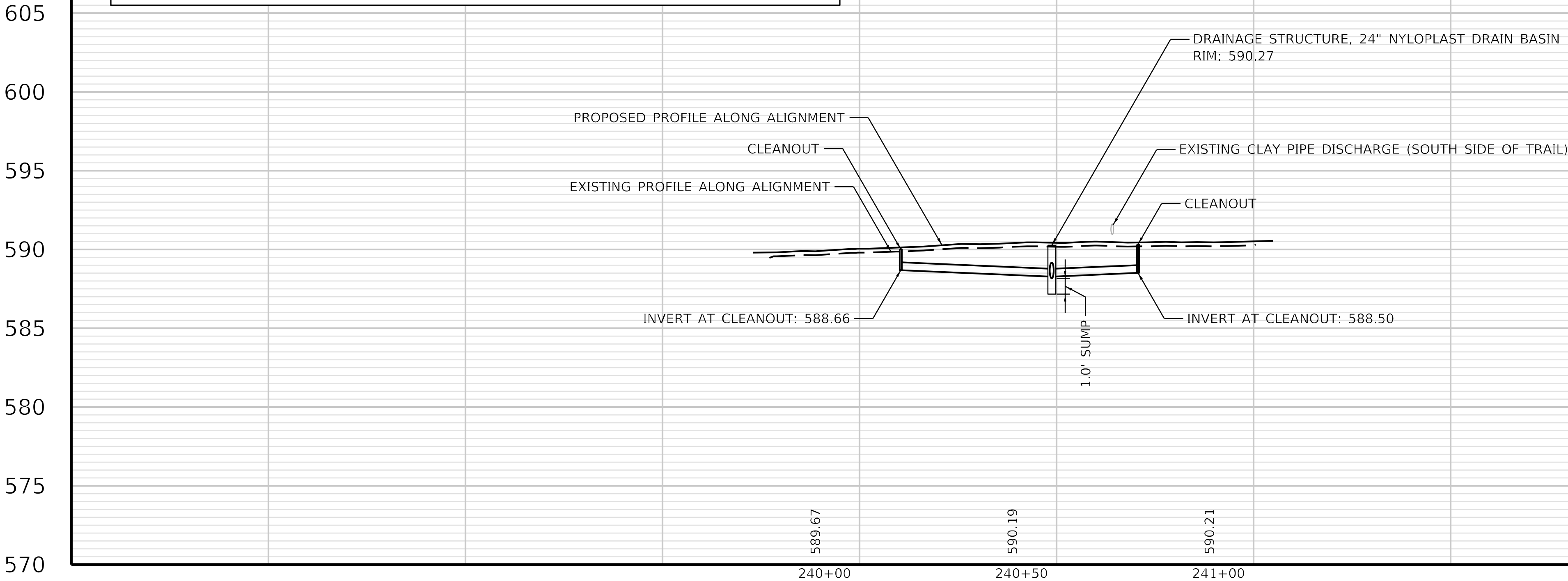


GENERAL NOTES

- TREE REMOVAL WILL BE PERFORMED BY THE FOREST PRESERVE DISTRICT OF WILL COUNTY.
- CONTRACTOR SHALL HAUL EXCAVATED MATERIAL OFFSITE AND DISPOSE OF IN ACCORDANCE WITH ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REQUIREMENTS. HAUL-OFF AND DISPOSAL SHALL BE INCLUDED IN THE COST OF EARTHWORK AND GRADING AND SHAPING DITCHES.
- CONTRACTOR'S STAKING AND LAYOUT OF RIPRAP SHALL BE REVIEWED BY OWNER PRIOR TO INSTALLATION.

KEY NOTES

- INSTALL RIGID NON-PERFORATED ADS N-12 PIPE TO SERVE AS CLEANOUT. WATERTIGHT SCREW CAP (NYLOPLAST) SHALL BE INSTALLED WITH TOP OF CAP 3 INCHES ABOVE FINISHED GRADE.



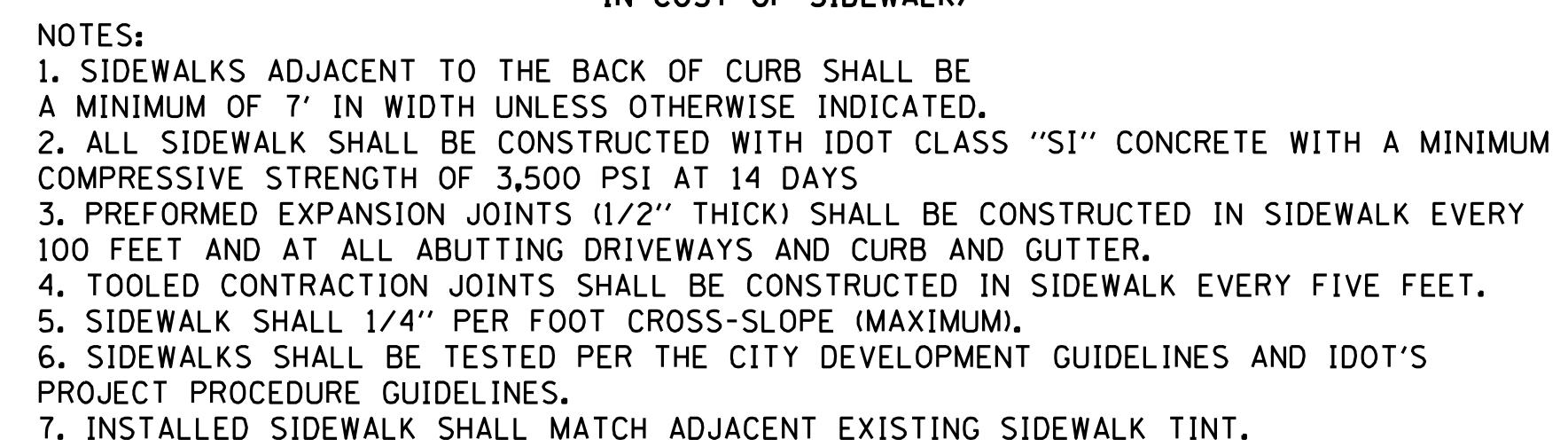
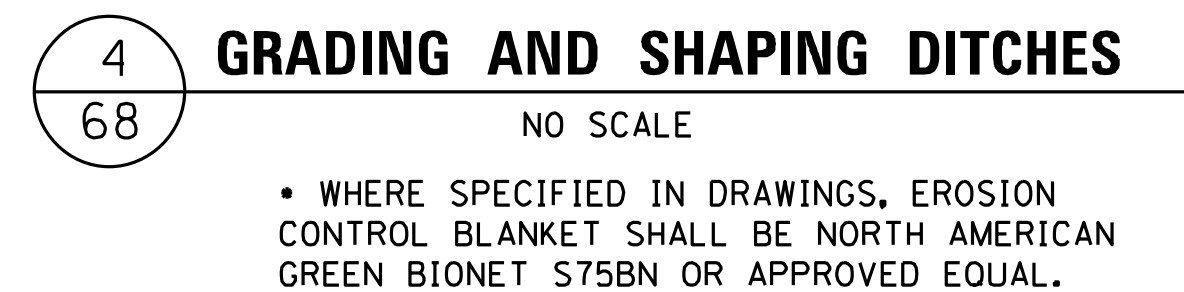
DRAINAGE IMPROVEMENTS PLAN AND PROFILE - 2
PEALE STREET

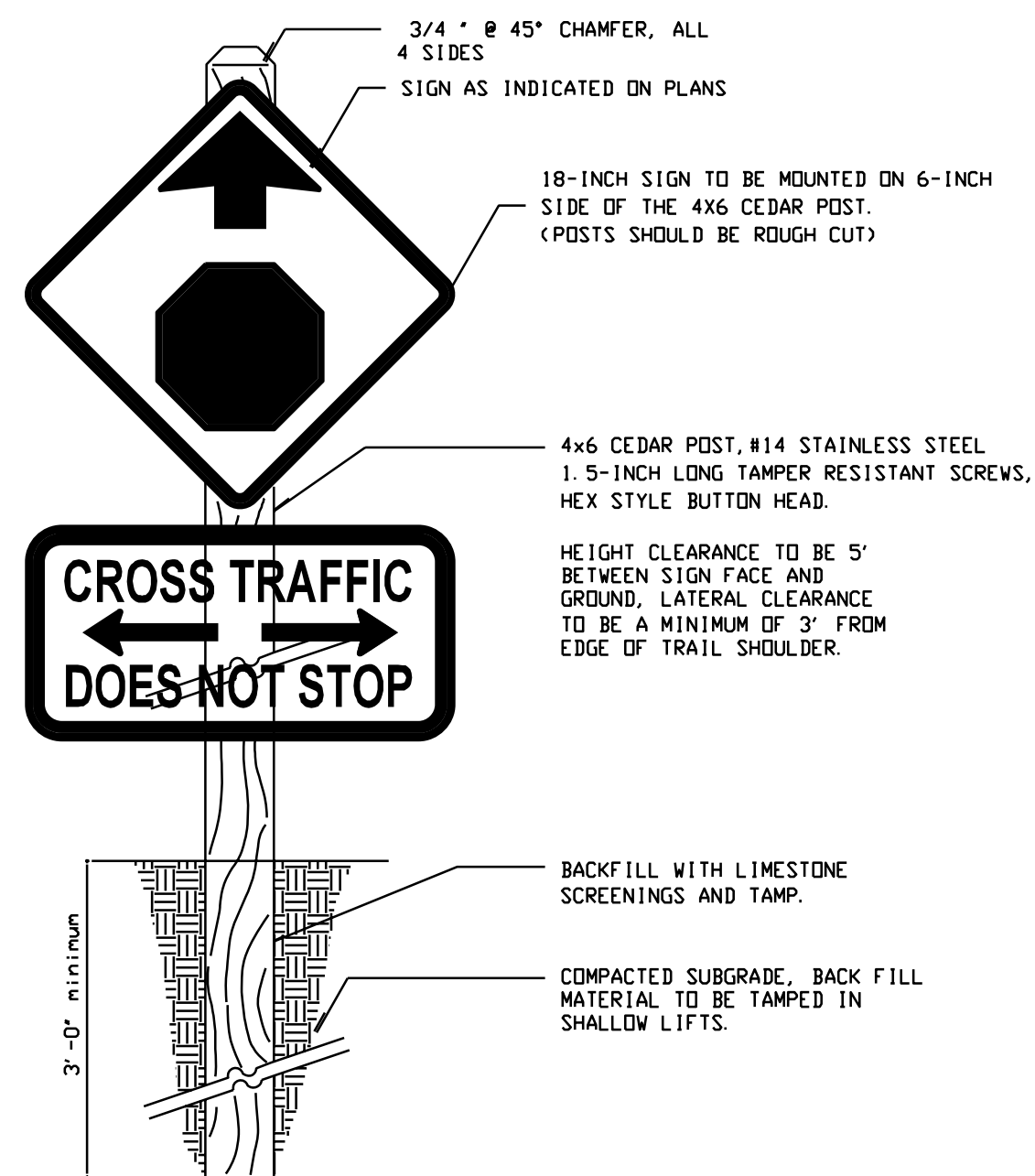
2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
JOLIET, ILLINOIS

JOB NO.
6593.055
PROJECT MGR.
JFC

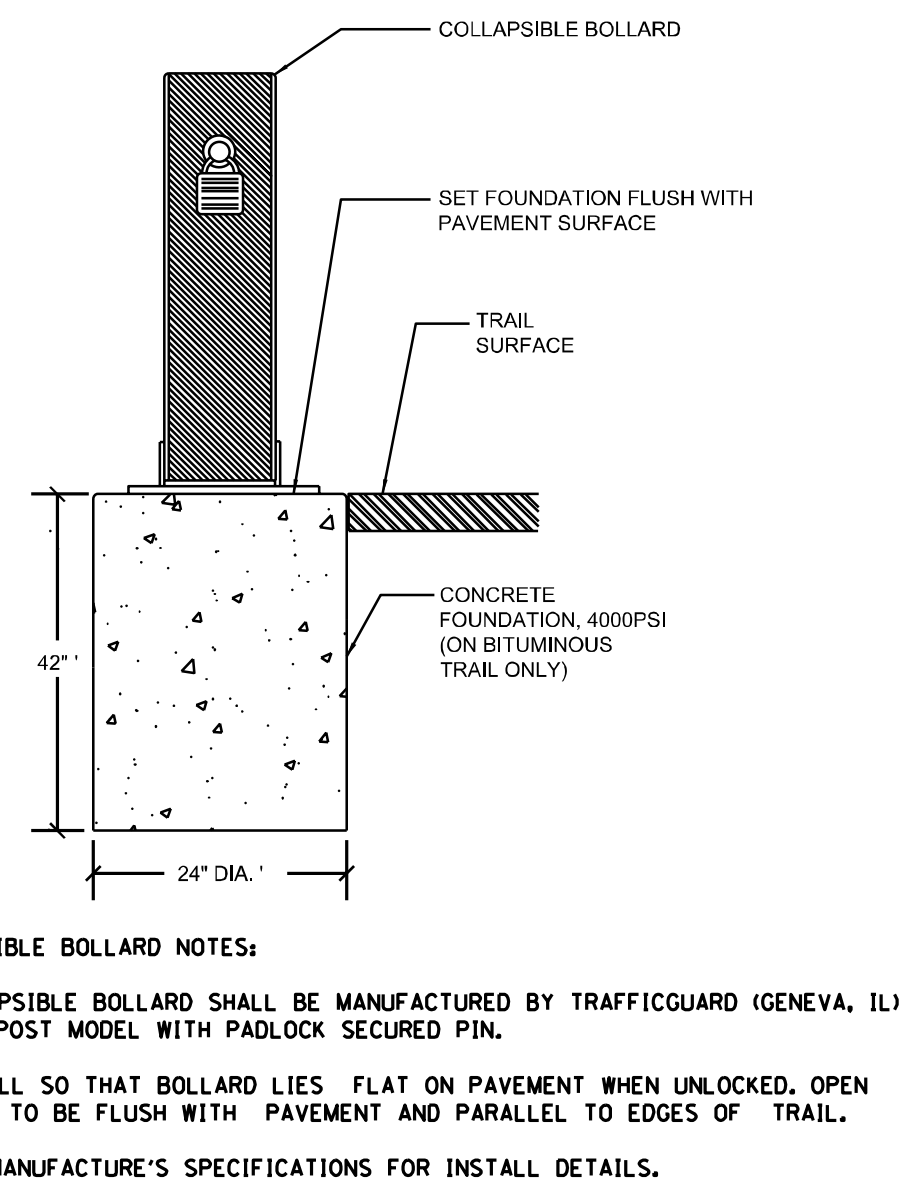


SHEET
67

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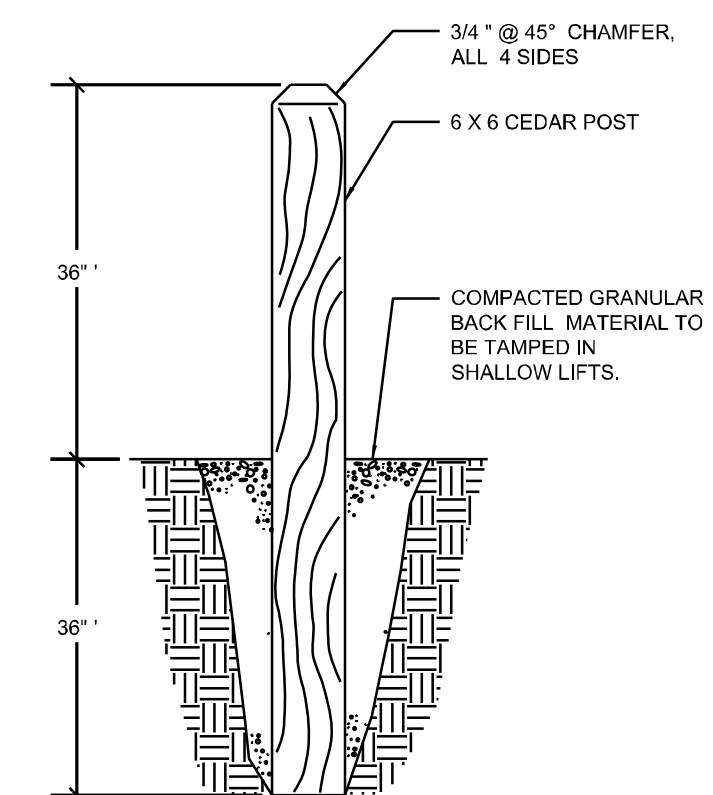
1 69 TYPICAL WOOD POST SIGN DETAIL NOT TO SCALE



2
69

COLLAPSIBLE BOLLARD DETAIL

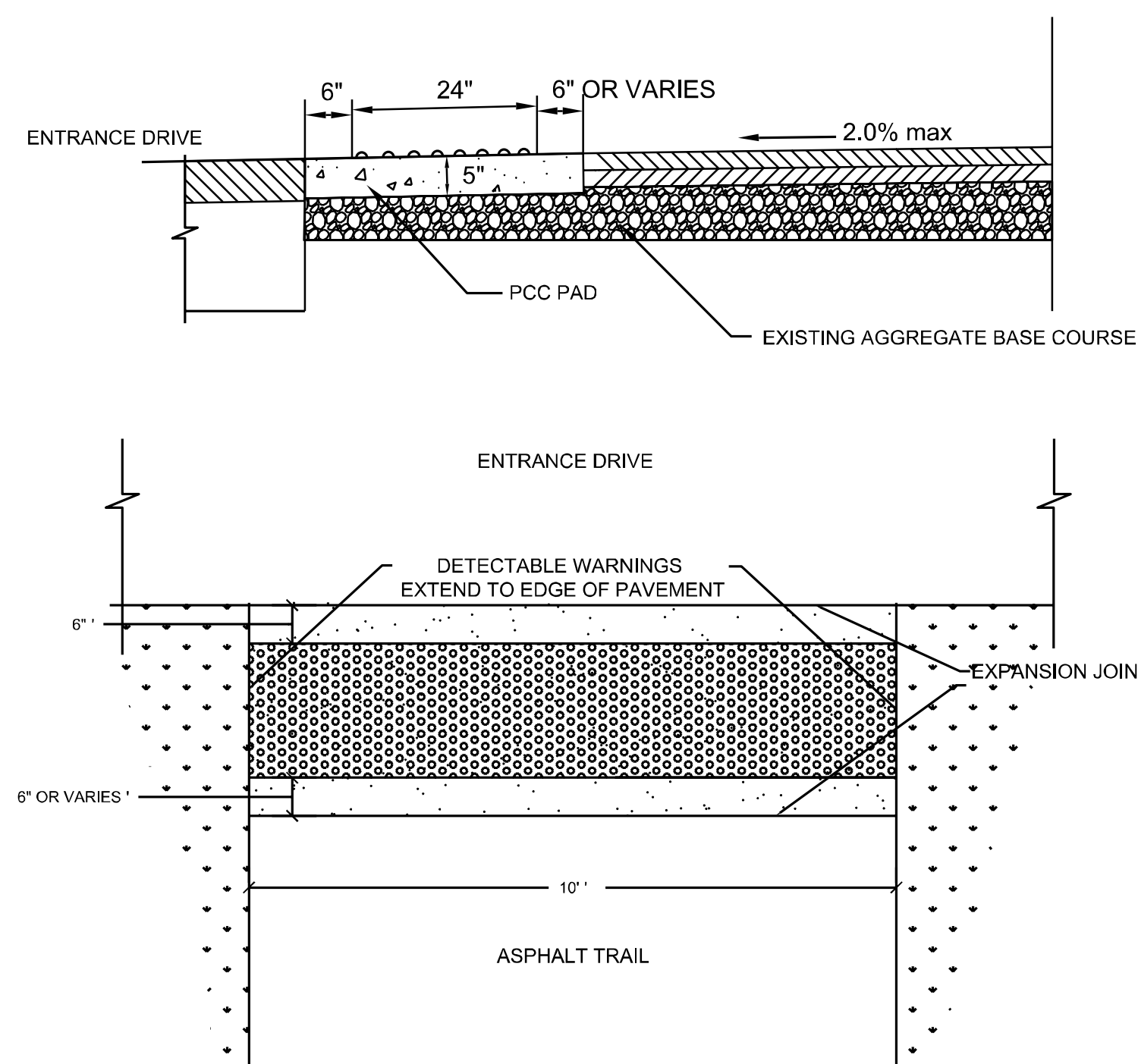
NOT TO SCALE



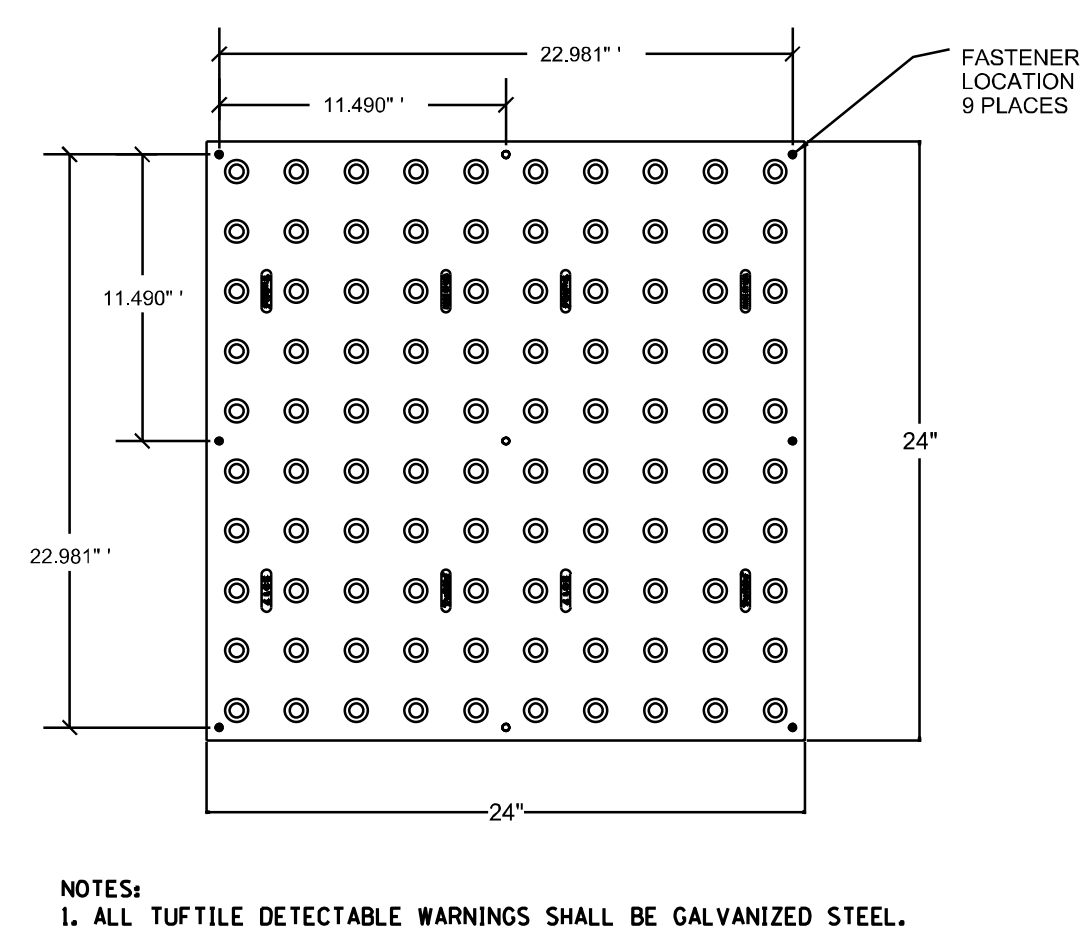
3
69

WOOD BOLLARD DETAIL

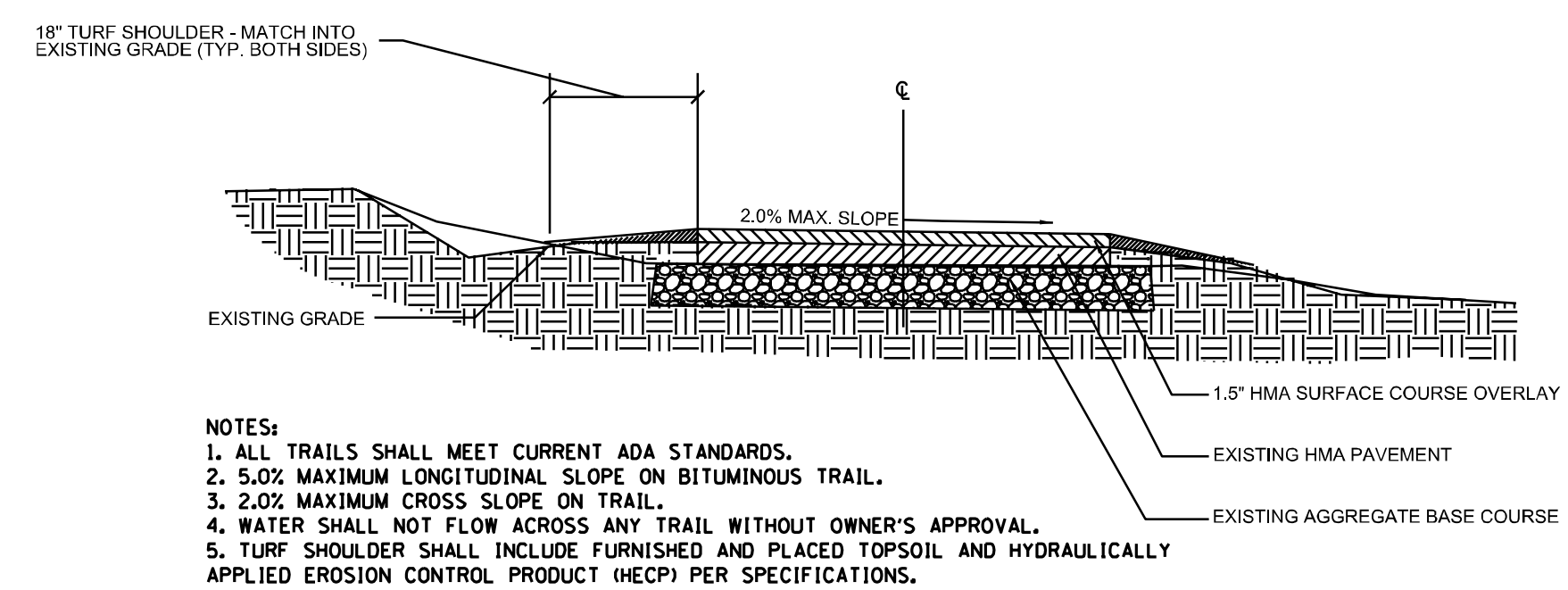
NOT TO SCALE



4 DETECTABLE WARNINGS CONCRETE DETAILS

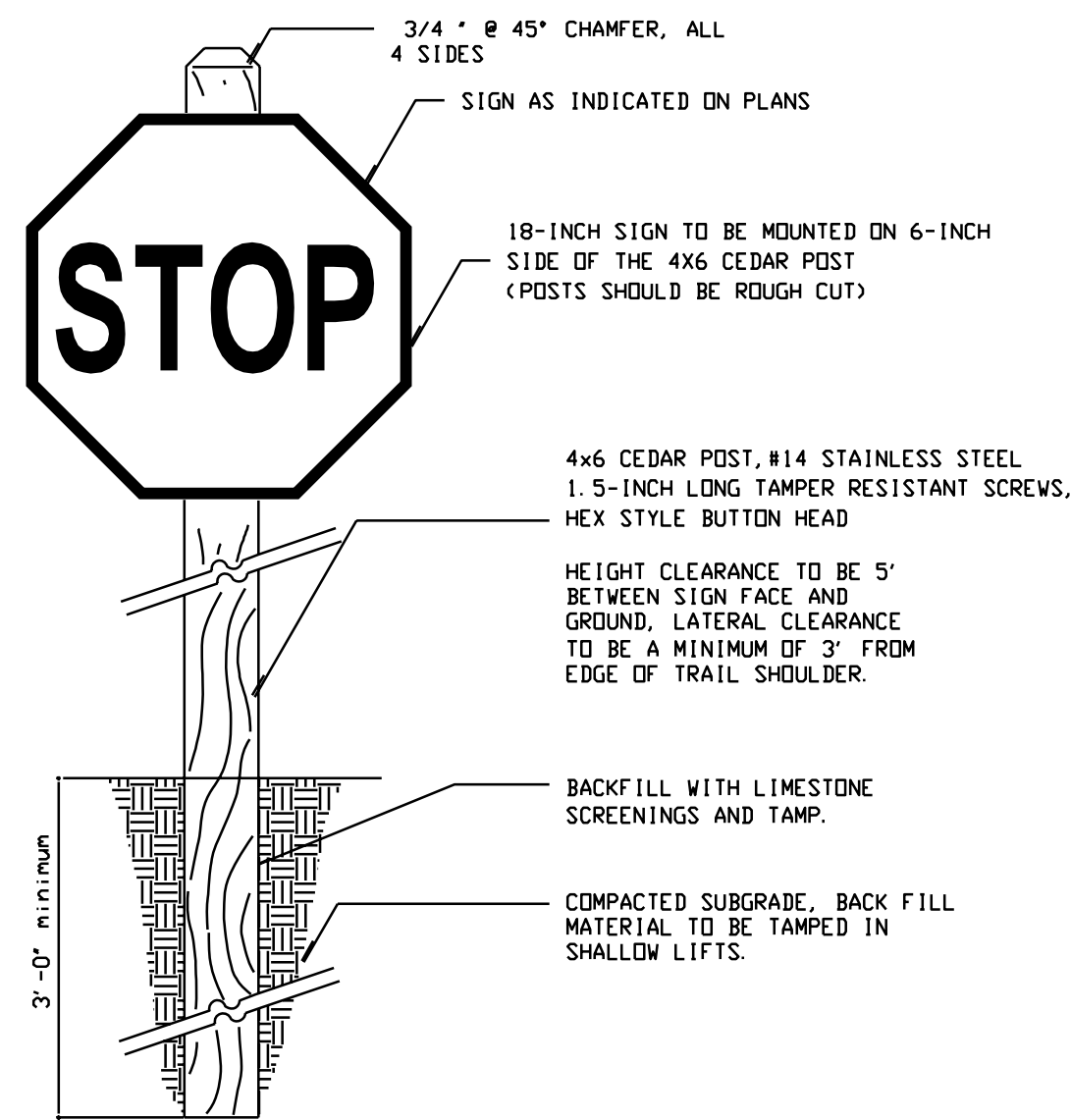


5 TUFTILE 2'X2' DETECTABLE WARNING DETAIL
69 NOT TO SCALE



BITUMUNOUS TRAIL CROSS-SECTION (TYPICAL)

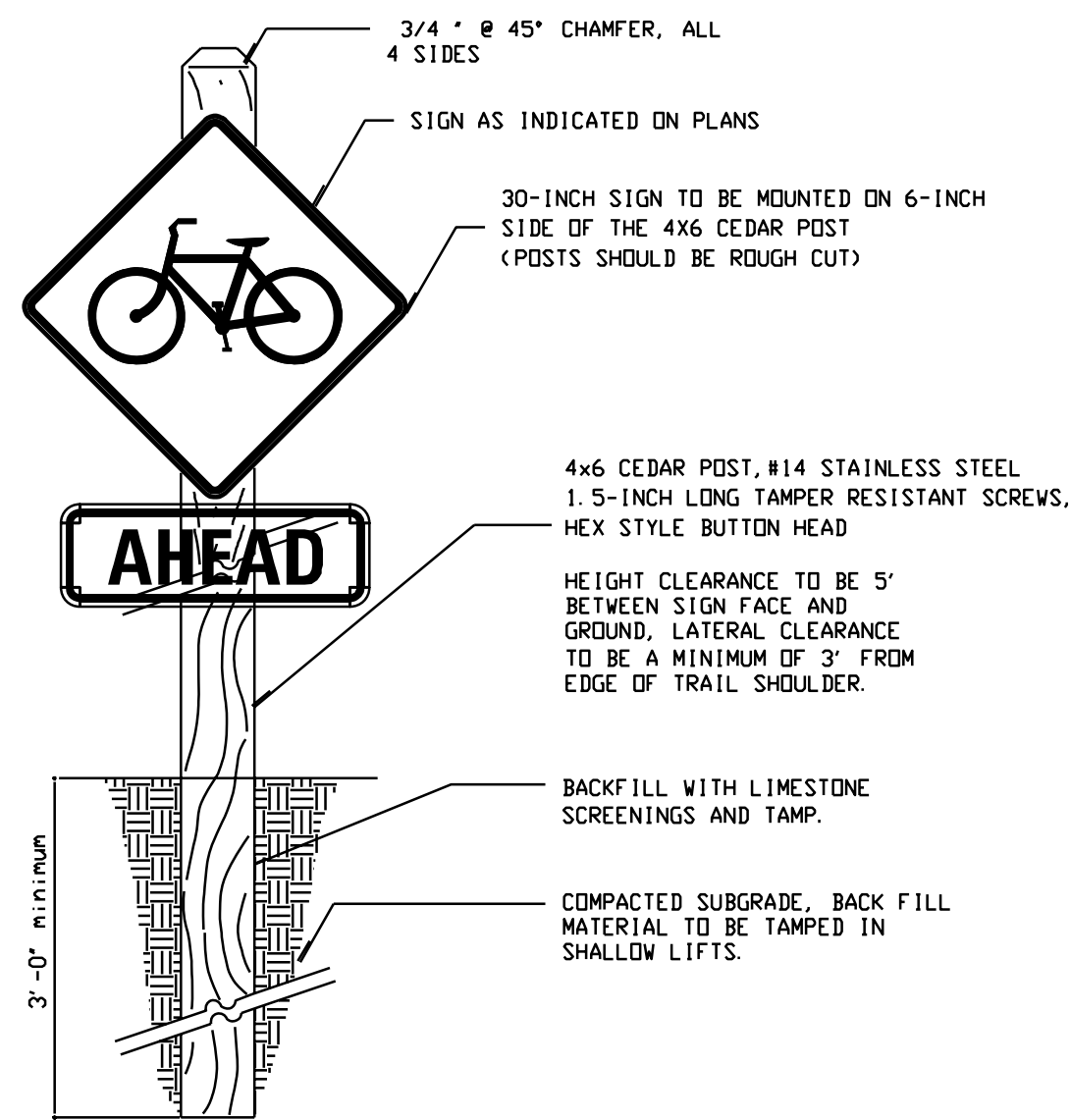
NOT TO SCALE



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STOP SIGN DETAIL

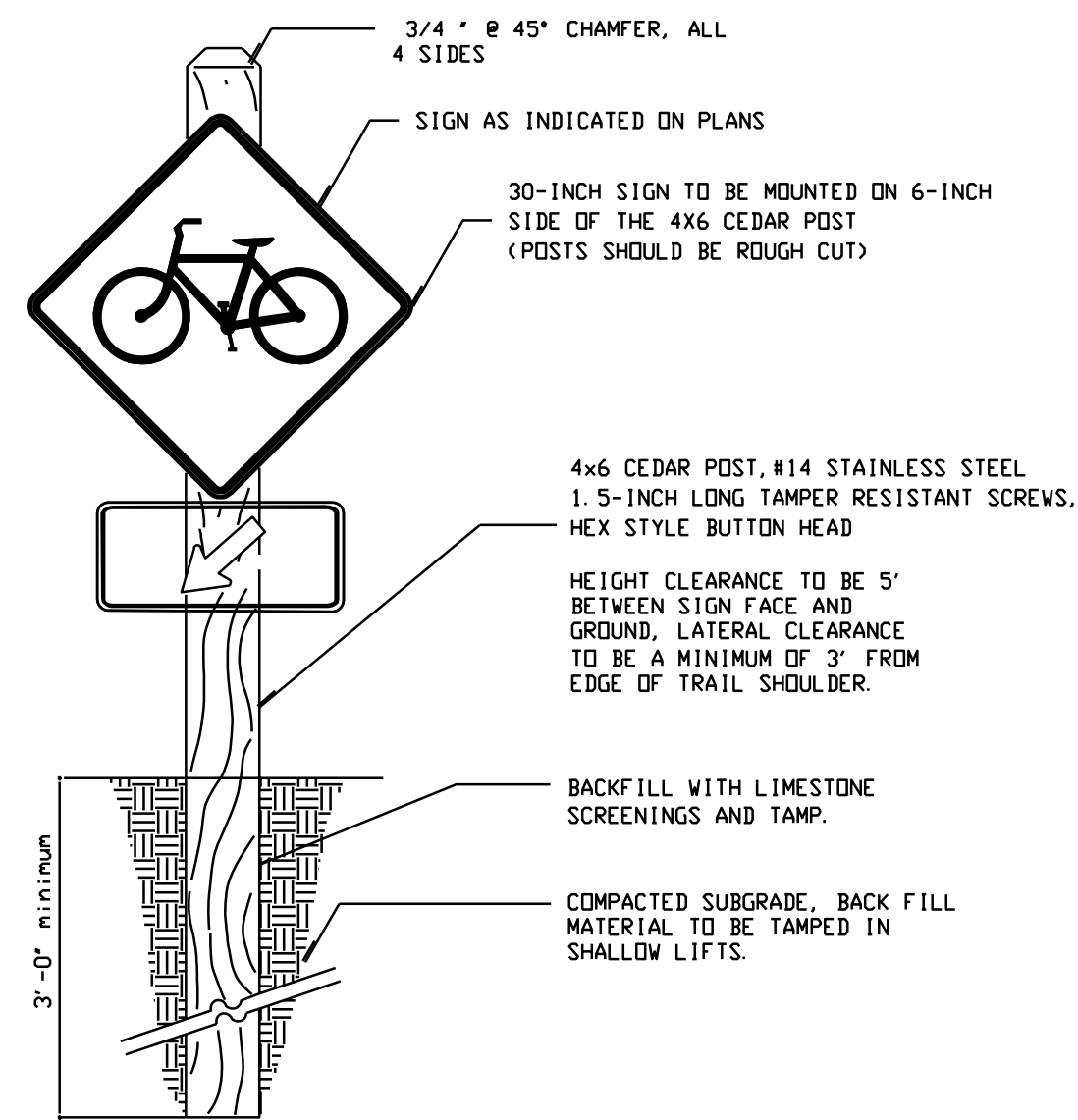
NOT TO SCALE



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BIKE CROSSING AHEAD SIGN DETAIL

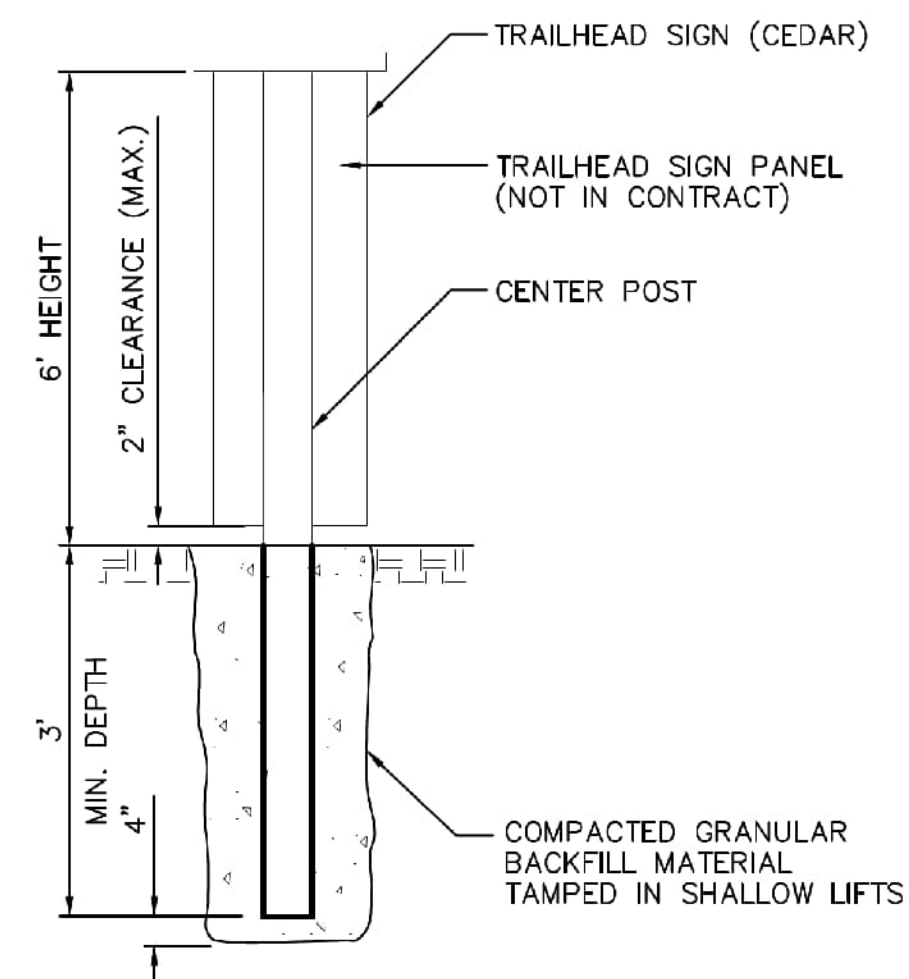
NOT TO SCALE



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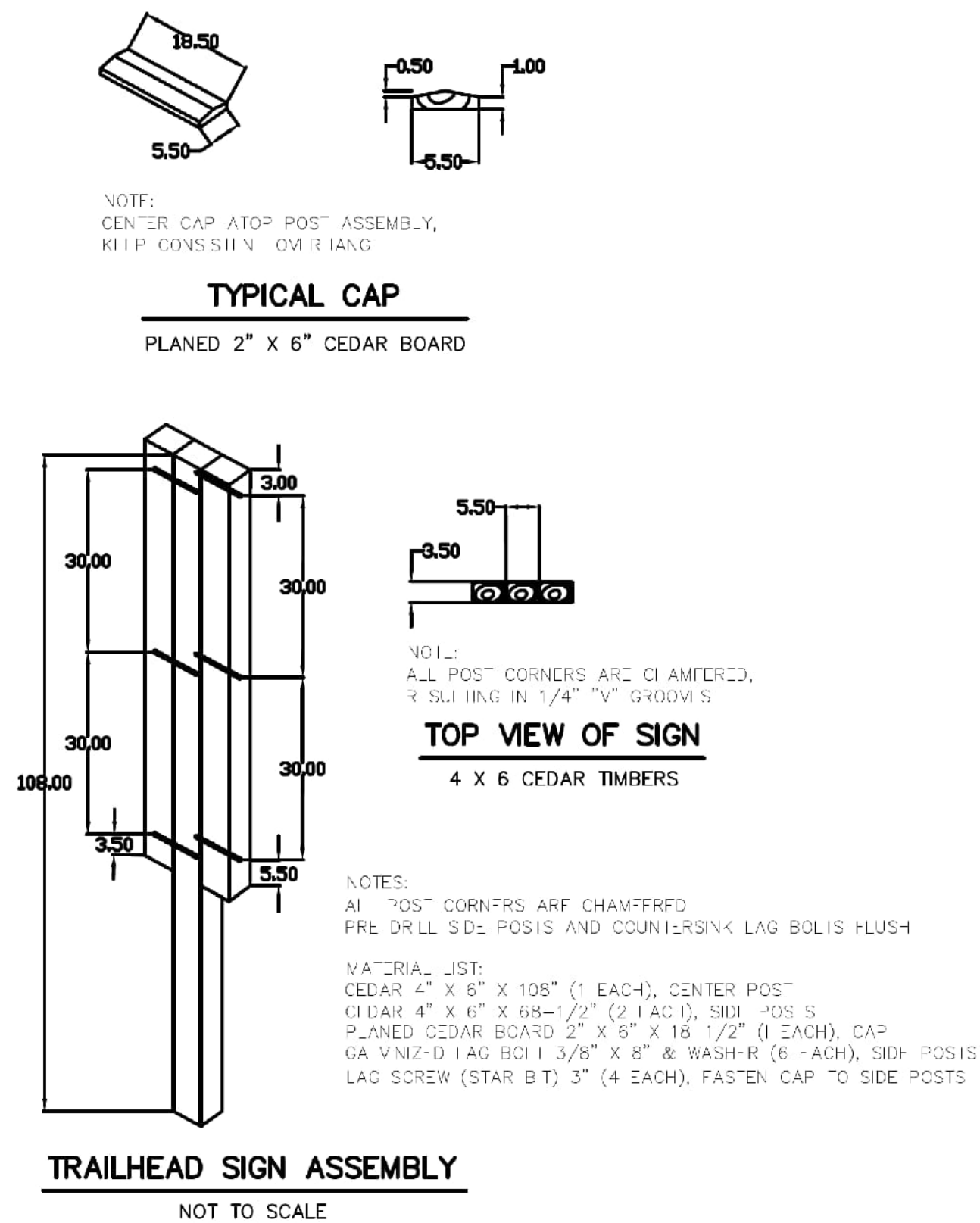
BIKE CROSSING SIGN DETAIL

NOT TO SCALE



TRAILHEAD SIGN INSTALLATION DETAIL

NOT TO SCALE



Trailhead Sign Fabrication Detail

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TRAILHEAD SIGN DETAIL

NOT TO SCALE

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NO.	1								

STANDARD CONSTRUCTION DETAILS - 3

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
6593.055

PROJECT MGR.
JFC

DATE	6/9/25								
REVISIONS	ISSUED FOR BID								
NO.	1								

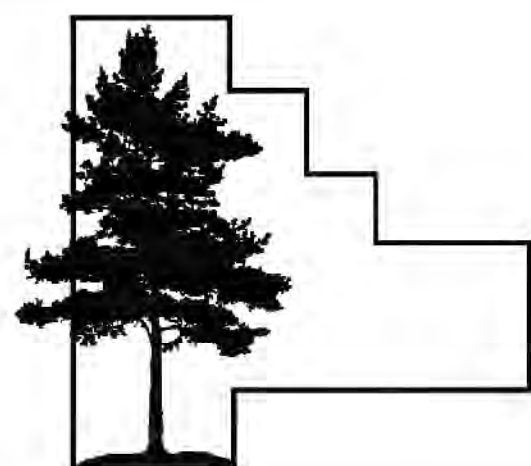
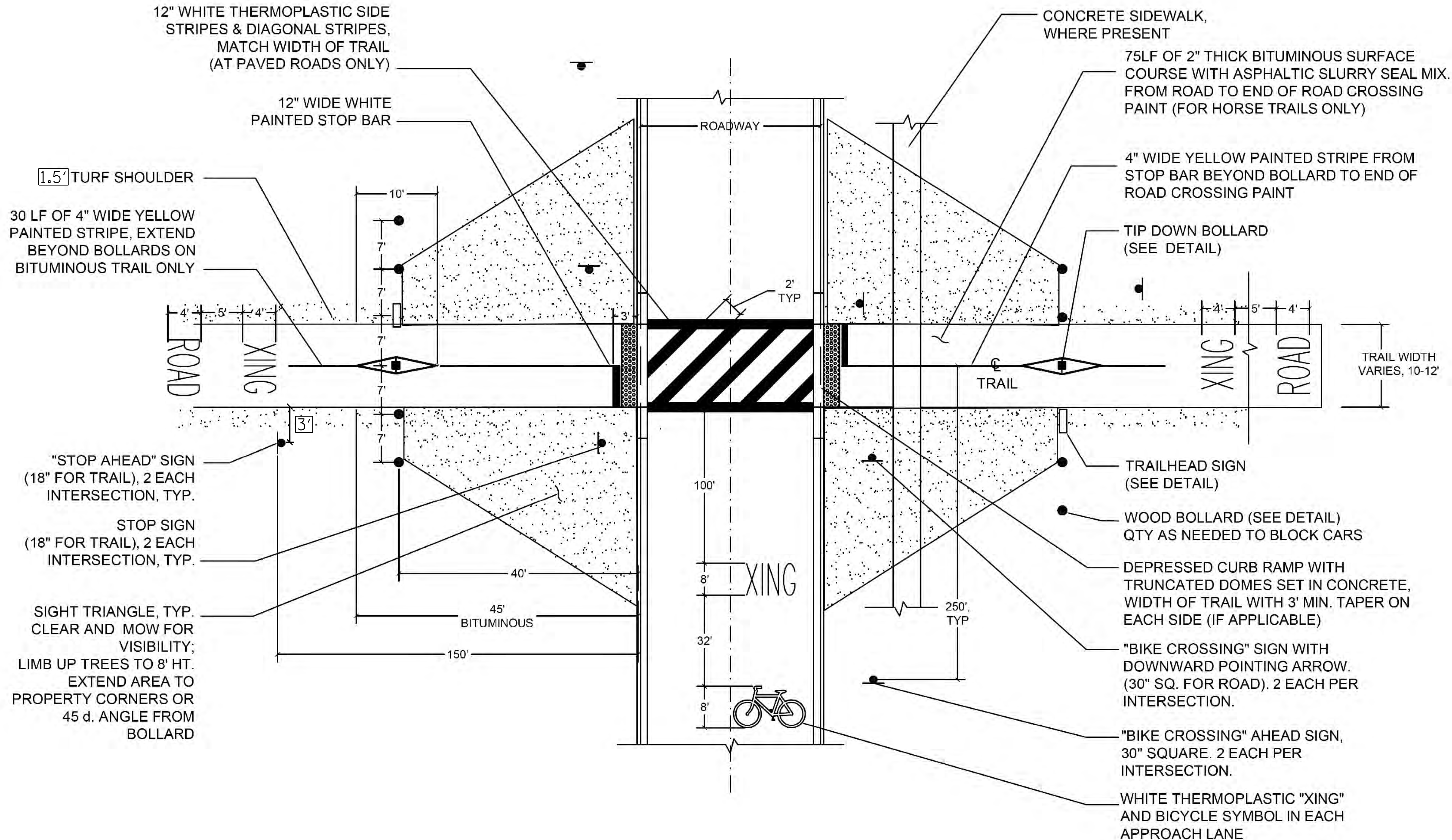
TRAIL ROADWAY CROSSING DETAIL

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

JOB NO.
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SHEET
71

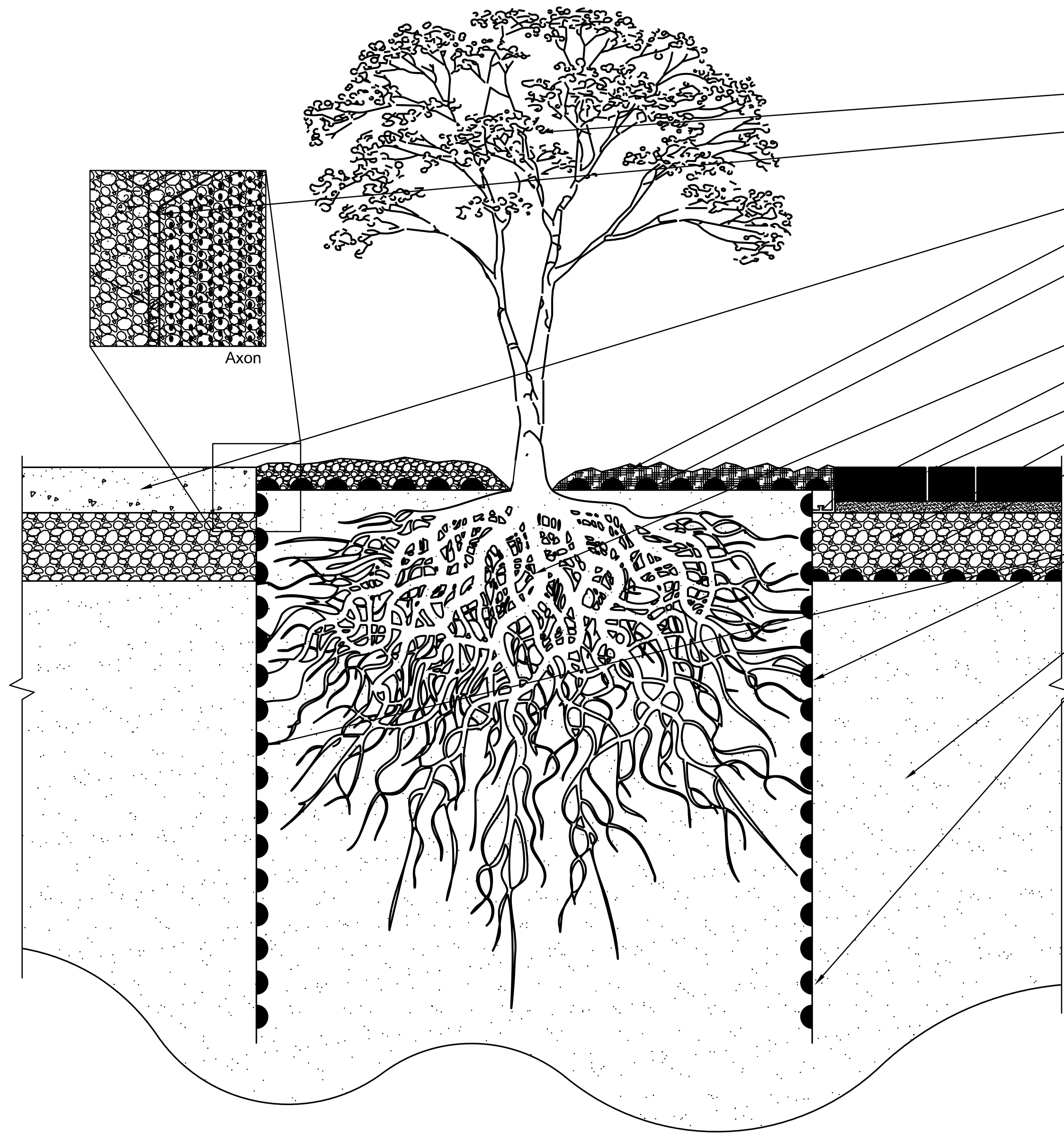


TRAIL ROADWAY CROSSING DETAIL

17540 Laraway Road Joliet, IL 60433 815-727-8700

Scale: Not to Scale

Revision Date: 02/16/2016



- Existing or Future Tree/Shrub Spp.
- Secure Typar® Biobarrier® Root Control Fabric 2 in. from Top of Concrete Surface Using an Adhesive or Anchors
- Concrete Surface
- Stone or Wood Mulch
- Typar® Biobarrier® Weed Control Fabric Placed Below Mulch Layer (see Notes 4-5 & Chart 1)
- Existing or Future Plant Root Structure
- Paver Edge Constraint
- Decorative Clay/Concrete Paver
- Compacted Aggregate
- Typar® Biobarrier® Root Control Fabric Placed Around and Below Base Layer (see Notes 4 & 5)
- Typar® Biobarrier® Root Control Fabric Vertically Placed to Stop Lateral Root Growth (see Notes 4 & 5)
- Existing Soil
- Extend Typar® Biobarrier® Root Control Fabric Root Growth Habit with Correct Root Depth (see Chart 1)

NOTES:

Note 1: Contact your utility company prior to trenching. Consult a professional arborist if root trimming is required.

Note 2: Install & Cover Biobarrier® as soon as possible (within 12 hours) after opening. High temperatures and direct sunlight can reduce effective product life.

Note 3: Dig trenches a minimum of 4 in. wide for Typar® Biobarrier® Root Control Fabric. Trenches must be a minimum length of mature plant canopy plus(+) 10 ft., centered on the root source and adjacent to protection area.

Note 4: Install Typar® Biobarrier® Root Control Fabric on the side of the trench opposite the root source.

Note 5: Install Typar® Biobarrier® Root Control Fabric with Nodules facing toward root/weed source.

Note 6: Fixing pins should penetrate fabric between the nodules 1/4 in. from top edge of fabric and at a 45° angle to the trench wall. Specific advice on the use of Biobarrier® can be obtained from Polymer Group Inc.

Table 1 : Biobarrier® Specifications		
Description	Data	
Product	Biobarrier® Root Control System	
Chemical Family	Thermoplastic Polyolefin	
Composition	Polypropylene	> 74.8%
	UV Stabilizer	< 5%
	Trifluralin	< 20%
	Pigment Masterbatch ¹	< 0.5%
Appearance		
Physical State	Gray Fabric	
Vapor Pressure ²	Solid	
Boiling Point	13.7 mPa @ 25°C	
Solubility (H ₂ O) ²	Not Applicable	
Vapor Density	0.2 ppm @ 25°C	
Packing Density	Not Applicable	
Odor	Not Applicable	
pH	Aromatic (Solvent)	
Evaporation Rate	Not Applicable	
Melting Point ²	Not Applicable	
Specific Gravity	> 48.5°C	
Percent Volatiles	0.88-0.99	
UV resistance	Nil	
Corrosivity	High	
Flammability	None	
Toxicity	Non-Flammable	
Hygroscopicity	IV	
Explosivity	None	
Fabric		
Unit Weight	4.0	
Tensile Strength (lbs.)	45.0	
Elongation at Break (%)	> 70.0	
Mullen Burst Strength (psi)	175.0	
Puncture Strength (lbs.)	50.0	
Coefficient of Permeability (cm/sec.)	3 x 10 ²	
Nodule		
Base Diameter (in.)	7/16	
Height	1/4	
Weight (os.)	0.013	
Spacing (in.)	1-1/2	
¹ Contains Carbon Black : < 0.1%		
² Trifluralin (CAS # 1582-09-8)		
*Additional Information May Be Obtained From Polymer Group Inc. Upon Request		

Chart 1: Examples of Intended Biobarrier® Root Control Applications & Roll Widths

Application	Root Control Width in. (cm)					
	12 (30)	19.5 (50)	24 (61)	29 (74)	39 (99)	58.5 (149)
Building Foundations					X	X
Burial Vaults/Tombstones						X
Containers			X	X	X	X
Curbs		X	X			
Drain Lines	X	X	X	X	X	X
Earthdams						X
Golf Greens/Tees/Cart Paths		X	X	X	X	
Landfills						X
Medians			X	X	X	
Paths	X	X	X	X		
Planting Beds		X	X	X	X	X
Pot 'N' Pot		SOLD IN 6" X 12" SWATCHES (500/BOX)				
Pots	X	X				
Retaining Walls				X	X	X
Roads		X	X	X		
Roof Gardens					X	X
Septic Tanks/Fields						X
Sidewalks		X	X	X		
Swimming Pools		X	X	X	X	
Tennis Courts		X	X	X	X	
Underground Pipes/Cables	X	X	X	X	X	X
Underground Storage Tanks						X
Utility Substations		X	X	X	X	
Biobarrier® Root Control is available in 20 ft. (6.1 m) or 100 ft. (30.5m) Roll Lengths						
Application	Weed Control Width in. (cm)					
				29 (74)	39 (99)	58.5 (149)
Fence Rows				X	X	X
Guardrails				X	X	X
Landscaping				X	X	X
Pavers				X	X	X
Street Medians				X	X	X
Tombstones				X	X	
Tree Skirts						X
Utility Substations						X
Biobarrier® Weed Control is available in 50 ft. (15.3 m) or 100 ft. (30.5m) Roll Lengths in both 39 & 58.5 in. widths and 300 ft. lengths for 29 in.						

1
72
Biobarrier® : Typical Surface Protection Applications
Scale : N.T.S.

This Detail shows multiple Biobarrier® application methods for protecting hardscapes and surfaces from tree root damage. Individual projects may vary in their need for horizontal and vertical root/weed Biobarrier® protection. Please contact Polymer Group, Inc. for technical assistance.

Chart 1 is a general guide only. Your specific applications may require slightly different sizes. As a general rule, the greater the fabric width, the greater the degree of protection against costly root damage. But, like any other root barrier the protection does not extend beyond the edge of the fabric. So it's important to use adequate length and width to assure proper protection.

This field guide is provided as an aid to assessing root control in commonly encountered site conditions. Polymer Group Inc. accepts no responsibility for any loss or damage resulting from the use of this guide.

Please note that the information above is given as a guide only. All sizes and weights are nominal figures and may vary to what is published. Polymer Group Inc. cannot be liable for damage caused by incorrect installation of this product. Final determination of the suitability of any information or material for the use contemplated and the manner of its use is the sole responsibility of the user and the user must assume all risk and responsibility in connection therewith.

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THIS DETAIL IS FOR CONCEPT PURPOSES ONLY AND DOES NOT IMPLY ANY ACTUAL DESIGN OR ENGINEERING HAS BEEN COMPLETED. ENGINEERING MODELING WILL NEED TO BE PERFORMED TO DETERMINE PROPER HYDROLOGICAL AND STRUCTURAL REQUIREMENTS AND COMPONENTS INCLUDING SAND AND AGGREGATE. ALL MATERIALS ARE SUBJECT TO APPROVAL BY POLYMER GROUP, INC.

BioBarrier® Root Control Fabric
Surface Protection Applications
Specification, Design & Installation Guide



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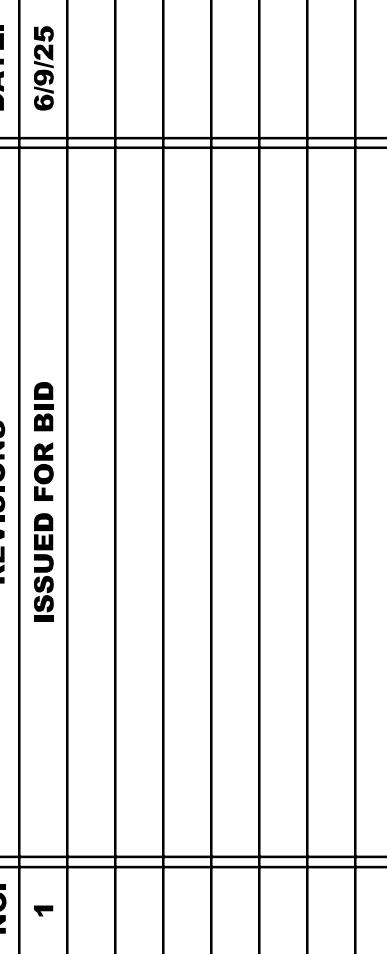
ROOT BARRIER DETAIL

2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS

**JOB NO.
6593.055**
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72**



IDOT STANDARD DETAIL 424001-12 - 1 OF 2

**2025 OLD PLANK ROAD TRAIL PAVEMENT REHABILITATION
FOREST PRESERVE DISTRICT OF WILL COUNTY
WILL COUNTY, ILLINOIS**

JOB NO.
6593.055

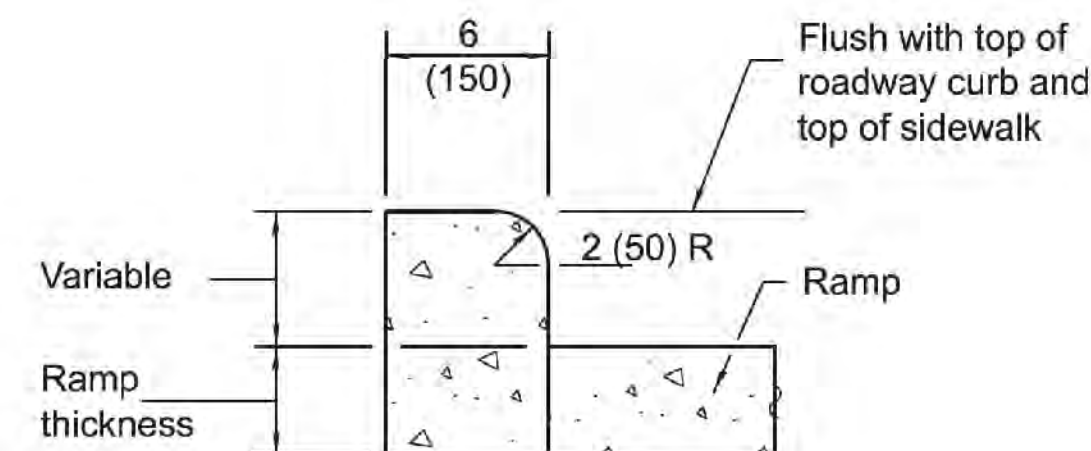
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73



- ① The running slope of a curb ramp shall be 1:12 max.
The running slope of a blended transition shall be 1:20 max.
- ② Clear Area shall be located outside the travel lane inclusive of any bicycle lanes. The running slope shall be 1:20 max and the cross slope shall be:
 - Signalized/Uncontrolled Intersection - 1:20
 - Yield/Stop Controlled Intersection - 1:48
 - Midblock - grade of the road



SIDE CURB DETAIL



- ① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.


See Sheet 2 for GENERAL NOTES.

DATE	REVISIONS
1-1-25	Indicated "Clear Area" Location and updated cross-slopes.
1-1-19	Removed "15-foot rule", added "Blended transitions" and placement tolerances for detectable warnings.

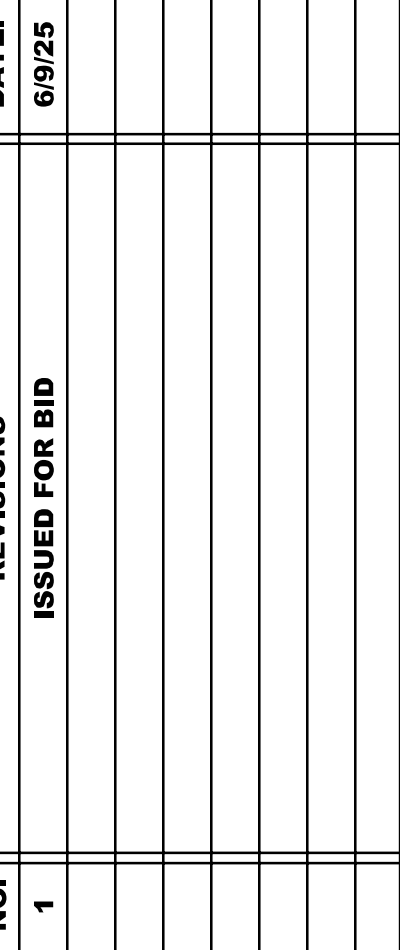
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 1 of 2)

STANDARD 424001-12


Illinois Department of Transportation
 APPROVED January 1, 2025
Marshall L. Ward
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2025
Jack Cole
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



JOB NO.
6593.055

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RAMP IN LANDSCAPED AREA
SETBACK > 5'

RAMP IN PAVED AREA
SETBACK > 5'

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:48 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.




Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters)
unless otherwise shown.

SECTION C-C

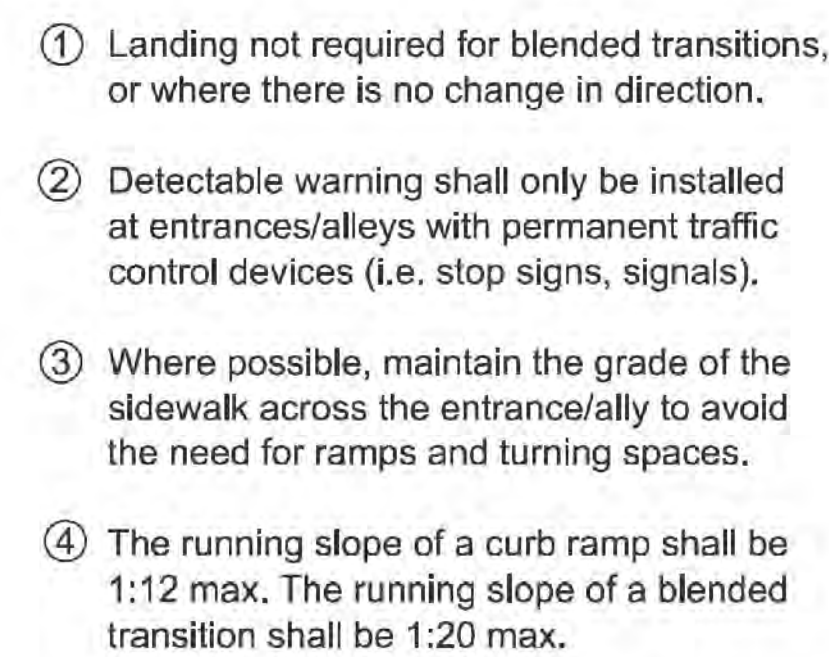
- ① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

 Illinois Department of Transportation		ISSUED 1-1-97
APPROVED _____	January 1, _____ 2025 	
ENGINEER OF POLICY AND PROCEDURES		
APPROVED _____	January 1, _____ 2025 	
ENGINEER OF DESIGN AND ENVIRONMENT		

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

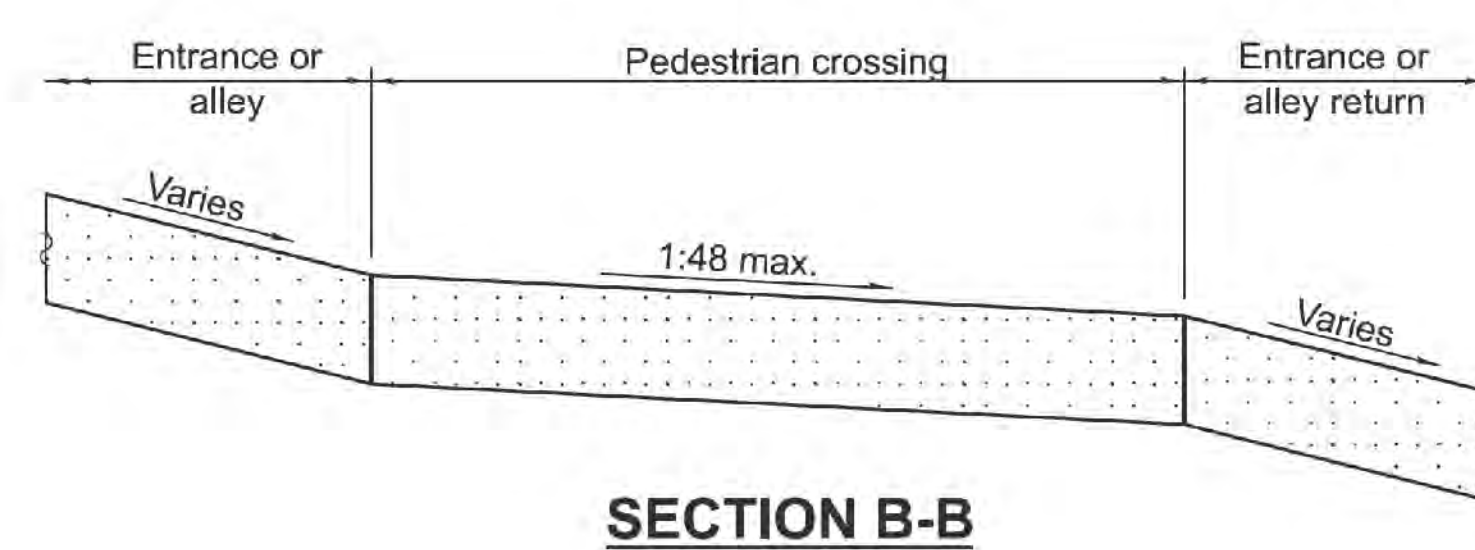
(Sheet 2 of 2)

STANDARD 424001-12

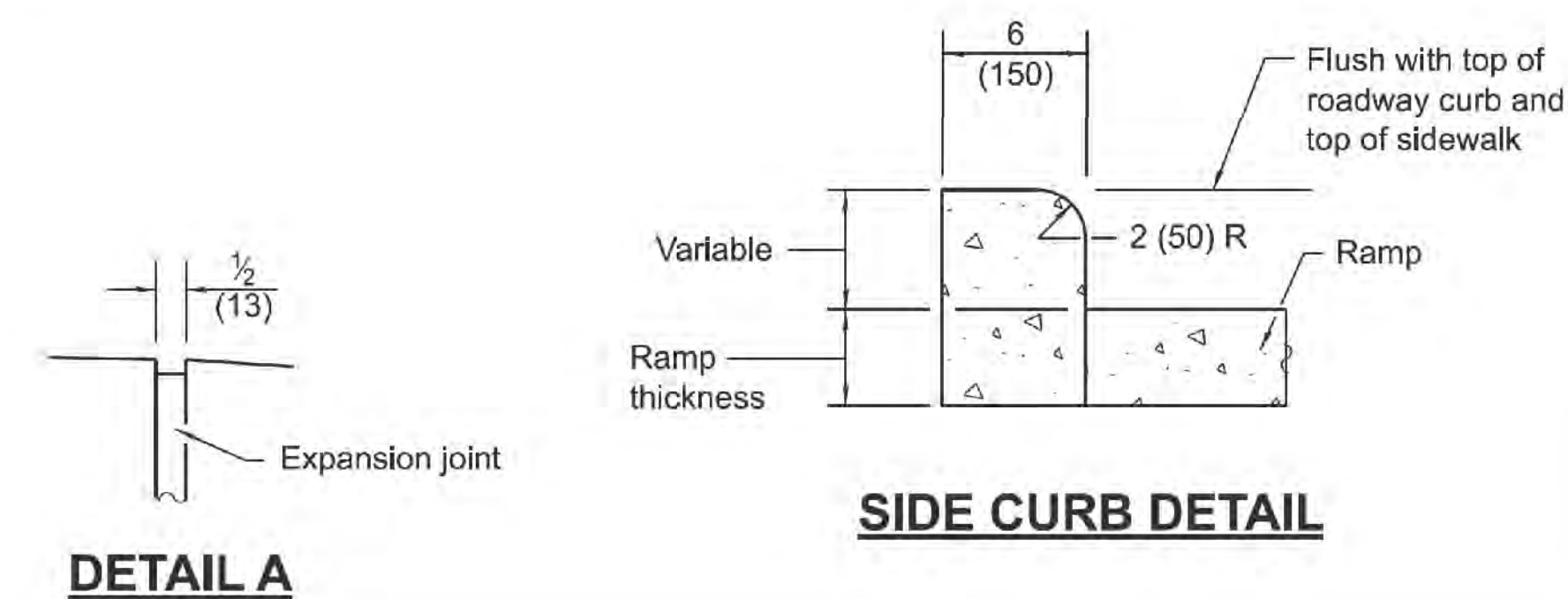


GENERAL NOTES

All dimensions are in inches (millimeters) unless otherwise shown.



SECTION B-B



SIDE CURB DETAIL

DATE	REVISIONS
1-1-25	Modified Section A-A notes and updated cross slopes.
1-1-19	Added blended transitions and placement tolerances for detectable warnings.

**ENTRANCE / ALLEY
PEDESTRIAN CROSSINGS**

STANDARD 424026-04