



## **Invitation for Bid**

**Labor and Materials  
Monday, March 28 , 2022**

### **2022 Moraine Park Path Improvements**

**Site Location:  
Moraine Park  
2501 Sheridan Road  
Highland Park, IL 60035**

**BID OPENING:  
Thursday, April 14, 2022, 10:00am  
636 Ridge Road  
Highland Park, IL 60035**

**Jeff Smith  
Park District of Highland Park  
636 Ridge Road  
Highland Park, IL 60035**

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**ADVERTISEMENT FOR BID**

The Park District of Highland Park is accepting sealed bids for the 2022 Moraine Park Path Improvements. Questions regarding this bid should be directed to Jeff Smith at 847.579.3109 or [jsmith@pdhp.org](mailto:jsmith@pdhp.org).

The bid packet, specifications and plans are available on our website at <http://www.pdhp.org/bids-rfps/>. Please note that if you intend to submit a bid for this project, then it is your responsibility to register with Jeff Smith via [jsmith@pdhp.org](mailto:jsmith@pdhp.org) or 847.579.3109. This will identify that you have downloaded the bid documents, and you will then be considered a registered plan holder. Sealed bids for these items will be received no later than 10:00am on Thursday, April 14, 2022, at which time they will be publicly opened and read aloud.

Completed bids must be submitted in sealed opaque envelopes marked 2022 Moraine Park Path Improvements and mailed or brought into the Park District of Highland Park, 636 Ridge Road, Highland Park, IL 60035; Attn: Brian Romes, Secretary.

The Park Board of the Park District of Highland Park reserves the right to reject any or all bids in full or in part, if it shall deem it in the public interest to do so. In submitting a bid, Contractor acknowledges that Contractor must comply with all requirements of the Illinois Prevailing Wage Act and all other applicable Illinois laws.

**PARK DISTRICT OF HIGHLAND PARK**  
/s/ Brian Romes  
Secretary of the Board of  
Park Commissioners

Published: Lake County News Sun

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**INVITATION FOR BID**

The Park District of Highland Park is seeking sealed bids for the following scope of work: Removal of the existing stone path and retaining walls, and replacement with approximately 250 feet of five-foot-wide boardwalk at Moraine Park, Highland Park, Illinois. The project will also include helical piles, helical tie backs, gabion baskets at ravine shoreline, boulder placement, construction fencing, tree protection and restoration of all disturbed areas. The scope of work includes all necessary workmanship to satisfactorily complete the work as required by the contract documents. Work will start Monday, May 30, 2022, and conclude by Friday, September 30, 2022.

Contractors bidding on the project must have a minimum of three (3) years of experience in the work or similar.

The bid packet, specifications and plans are available on our website at <http://www.pdhp.org/bids-rfps/>. Please note that if you intend to submit a bid for this project, then it is your responsibility to register with Jeff smith via [jsmith@pdhp.org](mailto:jsmith@pdhp.org) or 847.579.3109. This will identify that you have downloaded the bid documents, and you will then be considered a registered plan holder. Sealed bids for these items will be received no later than 10:00am on Thursday, April 14, 2022, at which time they will be publicly opened and read aloud.

Completed bids must be submitted in sealed opaque envelopes marked “2022 Moraine Park Path Improvements” and mailed or brought into the Park District of Highland Park, 636 Ridge Road, Highland Park, Illinois; Attn: Brian Romes, Secretary.

All bids must be submitted on the forms included in the bid.

All contracts for work herein are subject to the provisions of all Park District of Highland Park regulations.

Contractor must pay and require all subcontractors to pay the prevailing rate of wages to all related laborers, workers, and mechanics involved in the project. As established by the Illinois Department of Labor for each craft or type of work needed to execute the contract in accordance with 820 ILCS 130/.01 et seq. The Illinois Department of Labor publishes the prevailing wage rates on its website at: <https://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx> Contractor is advised that the Department revises the prevailing wage rates and the Contractor has an obligation to check the Department’s web site for revisions. Contractor shall prominently post the current schedule of prevailing wages at the Contract site and shall notify immediately in writing all of its Subcontractors, of all changes in the schedule of prevailing wages. Any increases in costs to Contractor due to changes in the prevailing rate of wage during the terms of any contract shall be at the expense of Contractor and not at the expense of the Owner. The change order shall be computed using the prevailing wage rates applicable at the time the change order work is scheduled to be performed. Contractor shall be solely responsible to maintain accurate records as required by the prevailing wage statute and to obtain and submit all such certified records to the Illinois Department of Labor Certified Transcript of Payroll Portal at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/CertifiedTranscriptOfPayroll.aspx> no later than the 15<sup>th</sup> of each calendar month following a month in which construction on the project has occurred as required by Statute. Contractor shall furnish the District confirmation that certified payroll was submitted. In lieu of certified payroll, Contractor shall submit a letter setting forth the basis upon which Contractor has concluded the Act does not apply. Contractor

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shall be solely liable for paying the difference between prevailing wages and any wages actually received by laborers, workmen and/or mechanics engaged in the Work and in every way defend and indemnify the District against any claims arising under or related to the payment of wages in accordance with the Prevailing Wage Act. Likewise, Contractor shall comply with all applicable laws, regulations, and rules promulgated by any Federal, State, County, Municipal and or other governmental unit or regulatory body now in effect during the performance of the work. By way of example, the following are included within the scope of the laws, regulations and rules referred to in this paragraph, but in no way to operate as a limitation on the laws, regulations and rules with which Contractor must comply, are all forms of Workers Compensation Laws, all terms of the Equal Employment Opportunity Clause of the Illinois Fair Employment Practices Commission, the Illinois Preference Act, the Social Security Act, Statutes relating to contracts let by units of government, all applicable Civil Rights and Anti-Discrimination Laws and Regulations, and traffic and public utility regulations.

Contractor, before commencing Work, shall furnish a Performance Bond and a Labor and Material (aka Payment) Bond. The Performance Bond shall be in an amount equal to 100% of the full amount of the Contract Sum as security for the faithful performance of the obligation of the Contract Documents, and the Labor and Material Payment Bond shall be in an amount equal to 100% of the full amount of the Contract Sum as security for the payment of all persons performing labor and furnishing materials in connection with the Contract Documents. Such bonds shall be issued by a surety satisfactory to the Owner, and shall name the Owner as a primary co-oblige. The cost of the bonds is to be included in the Bid. The Performance Bond and Labor and Material Payment Bond will become a part of the Contract. The failure of the successful Bidder to enter into a Contract and supply the required Bonds within ten (10) calendar days after the Notice of Award or within such extended period as the Owner may grant if the forms do not meet its approval shall constitute a default, and the Owner may either award the Contract to the next responsible, responsive Bidder or re-advertise for bids. A charge against the defaulting Bidder may be made for the difference between the amount of the bid and the amount for which a contract for the work is subsequently executed.

All bids will remain firm for ninety (90) calendar days after the bid opening. The Park District of Highland Park reserves the right to reject any or all bids or to accept any bid, which in its judgment, will be in the best interest of the public or to waive any informalities in bidding. Only bids in compliance with the provisions of the Contract Documents will be considered. No bids shall be withdrawn after the opening of the bids for a period of ninety (90) calendar days after the bid date opening.

The Park District of Highland Park encourages small and minority businesses and women's business firms to submit bids on the approved project and successful contract bidders to utilize small and minority businesses and women's businesses as sub-contractors for supplies, equipment, services, and construction.

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**INSTRUCTIONS TO BIDDERS**

For the purpose of these specifications, "Owner" shall refer to the Park District of Highland Park, and "Contractor" shall refer to the party entering into the contract for the performance of the specified work, and his or her legal representatives or agents. Upon award of the Contract, these instructions shall become a part of the Contract Documents.

**PLANS AND SPECIFICATIONS**

The bid packet, specifications and plans are available on our website at <https://www.pdhp.org/bids-rfps/>. Please note that if you intend to submit a bid for this project, then it is your responsibility as a potential contractor to register with Jeff smith via [jsmith@pdhp.org](mailto:jsmith@pdhp.org) or 847.579.3109. This will identify that you have downloaded the bid documents, and you will then be considered a registered plan holder.

**BID FORM**

Bidders shall submit the bid form provided which shall be filled out completely and addressed as follows: Park District of Highland Park, 636 Ridge Rd., Highland Park, IL 60035.

On the outside of the bid envelope, each sealed bid shall also contain the notation "SEALED BID" along with

- A) 2022 Moraine Park Path Improvements
- B) Bidder's Company Name
- C) Date and Time of Bid Opening

Bids for 2022 Moraine Park Path Improvements shall be received at or before 10:00am on Thursday, April 14, 2022, at which time they will be opened and read publicly.

**ACCEPTANCE OR REJECTION OF BID**

Owner reserves the right to accept or reject any or all bids. In determining the lowest responsive and responsible bidder, Owner further reserves the right to combine or separate or delete any section of work or alternates or items in the bid if it is in the best interest of Owner. In determining whether the bidder qualifies as "responsible," the Owner may rely on all available public information concerning the bidder, including references and information in addition to that provided by the bidder.

**BIDDER EXPERIENCE**

Contractor bidding the project shall be actively engaged in work of the nature described in the plans and specifications, must have a minimum of three (3) years' experience in that work or similar, and must be able to demonstrate that adequate persons and materials are available to perform the work. Contractor shall submit with the bid no less than three (3) references for which Contractor has completed work similar to that described in the plans and specifications.

**NON-BARRED BIDDING**

Contractor must certify that it is not barred from bidding on this contract as a result of a conviction for the violation of state laws prohibiting bid-rigging or bid-rotating by executing the included certification.

**EXAMINATION OF SITE AND DRAWINGS**

Before submitting a bid, Contractors shall carefully examine the drawings and specifications, visit the site, and fully inform themselves as to all conditions and limitations. The failure or omission of any Contractor to receive or examine any form or document, or to visit the site and become acquainted with existing conditions shall in no way relieve Contractor from any obligation with respect to their bid. By submitting a bid, Contractor warrants that he / she has examined the site, specifications, and drawings, and that where the specifications require that a given result be produced, the specifications and drawings are adequate and the required result can be produced using the specifications and drawings. If applicable, Contractor shall also attend any mandatory pre-bid meetings.

**PERFORMANCE BOND**

Contractor, before commencing Work, shall furnish a Performance Bond and a Labor and Material (aka Payment) Bond. The Performance Bond shall be in an amount equal to 100% of the full amount of the Contract Sum as security for the faithful performance of the obligation of the Contract Documents, and the Labor and Material Payment Bond shall be in an amount equal to 100% of the full amount of the Contract Sum as security for the payment of all persons performing labor and furnishing materials in connection with the Contract Documents. Such bonds shall be issued by a surety satisfactory to the Owner, and shall name the Owner as a primary co-obligee. The cost of the bonds is to be included in the Bid Proposal. The Performance Bond and Labor and Material Payment Bond will become a part of the Contract. The failure of the successful Contractor to enter into a Contract and supply the required Bonds within ten (10) days after the Notice of Award or within such extended period as the Owner may grant if the forms do not meet its approval shall constitute a default, and the Owner may either award the Contract to the next responsible, responsive Contractor or re-advertise for bids. A charge against the defaulting Contractor may be made for the difference between the amount of the bid and the amount for which a contract for the work is subsequently executed.

**LIENS**

Waivers of lien shall be submitted with all payment applications. Waivers shall be supplied from all subcontractors and suppliers involved in the contract work. Neither final payment nor any part of the retained percentages shall become due until Contractor delivers to Owner a complete release of all liens arising out of this contract. Waivers of Lien must include the following language “All Materials taken from fully paid for stock and delivered by our own trucks to the project site” AND “All wages paid according to Prevailing Wage Act”.

**ASSIGNMENT AND SUBCONTRACTORS**

Contractor shall not assign any part of this contract, or award any work under this contract to any Subcontractor without prior written approval from the Owner. Nothing contained in the contract documents shall create any contractual relation between any Subcontractor and the Owner.

**INSURANCE**

**NOTE: Contractors’ attention is directed to the insurance requirements set forth in the Contract Documents and below. It is highly recommended that Contractors confer with their respective insurance carriers or brokers to determine in advance of bid submission, the availability of insurance certificates and endorsements as prescribed and provided herein. If an apparent low bidder fails to comply strictly with the insurance requirements, that Contractor may be disqualified from award of the contract.**

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**FEDERAL LABOR STANDARDS AND EQUAL EMPLOYMENT REQUIREMENTS**

In the event Contractor does not comply with any provision of the Illinois Prevailing Wage Act, Equal Employment Opportunity Clause, the Illinois Fair Employment Practices Act or the Fair Employment Practices Commission's Rules and Regulations for Public Contracts, Contractor may be declared non-responsible and therefore ineligible for future contracts with the State of Illinois or any of its political subdivisions, and the contract may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

Contractor agrees to the following:

A. Contractor shall not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. Contractor shall take affirmative action to insure applicants are employed, and the employees are treated during employment, without regard to race, creed, color, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship.

B. Solicitation or advertisements for employees placed by or on behalf of Contractor shall state that applicants receive consideration for employment without regard to race, creed, color, or national origin.

**PREVAILING WAGE AND CERTIFIED PAYROLL**

Contractor must pay and require all subcontractors to pay the prevailing rate of wages to all related laborers, workers, and mechanics involved in the project. As established by the Illinois Department of Labor for each craft or type of work needed to execute the contract in accordance with 820 ILCS 130/.01 et seq. The Illinois Department of Labor publishes the prevailing wage rates on its website at: <https://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx> Contractor is advised that the Department revises the prevailing wage rates and the Contractor has an obligation to check the Department's web site for revisions. Contractor shall prominently post the current schedule of prevailing wages at the Contract site and shall notify immediately in writing all of its Subcontractors, of all changes in the schedule of prevailing wages. Any increases in costs to Contractor due to changes in the prevailing rate of wage during the terms of any contract shall be at the expense of Contractor and not at the expense of the Owner. The change order shall be computed using the prevailing wage rates applicable at the time the change order work is scheduled to be performed. Contractor shall be solely responsible to maintain accurate records as required by the prevailing wage statute and to obtain and submit all such certified records to the Illinois Department of Labor Certified Transcript of Payroll Portal at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/CertifiedTranscriptOfPayroll.aspx> no later than the 15<sup>th</sup> of each calendar month following a month in which construction on the project has occurred as required by Statute. Contractor shall furnish the District confirmation that certified payroll was submitted. In lieu of certified payroll, Contractor shall submit a letter setting forth the basis upon which Contractor has concluded the Act does not apply. Contractor shall be solely liable for paying the difference between prevailing wages and any wages actually received by laborers, workmen and/or mechanics engaged in the Work and in every way defend and indemnify the District against any claims arising under or related to the payment of wages in accordance with the Prevailing Wage Act.



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**COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT (ADA)**

Contractor shall not discriminate on the basis of disability, and shall comply with pertinent sections of the Americans with Disabilities Act.

**COMPLIANCE WITH ALL APPLICABLE LAWS**

Contractor shall comply with all applicable laws, regulations, and rules promulgated by any Federal, State, County, Municipal and or other governmental unit or regulatory body now in effect during the performance of the work. By way of example, the following are included within the scope of the laws, regulations and rules referred to in this paragraph, but in no way to operate as a limitation on the laws, regulations and rules with which Contractor must comply, are all forms of Workers Compensation Laws, all terms of the Equal Employment Opportunity Clause of the Illinois Fair Employment Practices Commission, the Social Security Act, the Substance Abuse Prevention on Public Works Act, Statutes relating to contracts let by units of government, all applicable Civil Rights and Anti-Discrimination Laws and Regulations, Americans with Disabilities Act and traffic and public utility regulations. Contractor shall also furnish without charge any affidavit or Certificate in connection with the work covered by this agreement as required by law.

**PAYMENT**

For projects extending longer than a month, payment request shall be made monthly for that portion of the project which has been completed. Payment request are due no later than the 1st of the month with all necessary documentation. An amount equal to ten percent (10%) shall be withheld from each payment until sixty (60) calendar days after final acceptance by the Owner. Payment by the Owner may be by credit card.

**SCHEDULE OF WORK**

Contractor shall commence work on or just prior to Monday, May 30, 2022 and work shall be completed by Friday, September 30, 2022. The Owner shall pre-approve start date of project. Work shall be completed in accordance with the following site schedule:

Invitation for Bid Release	Monday, March 28, 2022
Sealed Bids Due No Later Than 10:00am	Tuesday, April 14, 2022
Anticipated Contract Award	Thursday, April 28, 2022
Construction Start	Monday, May 30, 2022
Project Completion	Friday, September 30, 2022

**GUARANTEE**

Except as otherwise specified, Contractor shall guarantee all workmanship and materials, including plant material for a period of one (1) year from date of final completion and acceptance. Neither the final payment nor termination of the guarantee period, nor any provision in the contract document, shall relieve Contractor of the responsibility for negligence, faulty materials or workmanship within the extent and period provided by law. Upon written notice, Contractor shall remedy any defects, and shall pay all expenses for damage to other work resulting from that defect.

If the drawings and/or specifications provide for methods of construction and installation, or materials which cannot be guaranteed by Contractor for the indicated period, Contractor shall so inform the Owner in writing prior to submitting a bid. Otherwise, Contractor shall guarantee all methods of construction and installation, and materials for the indicated period of time.

**GENERAL TERMS**

In addition to all other requirements of the Contract Documents (including but not limited to the General and Supplementary Conditions that may be contained within or referred to in other Contract Documents (e.g., AIA A201, General Conditions, as modified by Park District “Supplementary Conditions”) and the Drawings and Specifications and other portions of the Project Manual), the following general terms also apply:

**TERMS**

"Owner" shall refer to the Park District of Highland Park. "Contractor" shall refer to the party entering into the contract for the performance of the specified work, and his or her legal representatives or agents. "Engineer/Architect" shall refer to Daniel Creaney Company the firm that prepared construction documents.

**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 Owner or Engineer/Architect to liability. Contractor shall perform all work and use only those materials conforming to city, county, state and federal codes regarding health, safety and welfare. The Owner and Engineer/Architect 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 permits and licenses, pay charges and fees, and give notices necessary and incident to the due and lawful prosecution of the work.

**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. Plans and specifications are intended to be complimentary. Work or materials called for by one shall be binding as if called for by all.

**PLANS & SPECIFICATION DIMENSIONS**

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 Owner for a final decision or interpretation.

**ERRORS AND DISCREPANCIES**

If Contractor, during work, finds discrepancies between the plans and the physical conditions or any errors or omissions, it shall be his duty to notify Owner immediately. Owner shall verify such findings and determine the course of action, if any, necessary. Any work done after such discovery and without approval to commence from the Owner, shall be done at Contractors risk. Owner or Engineer/Architect reserves the right to prepare supplementary plans showing any additional or revised details for construction purposes not shown on the Contract plans when necessary.

When information concerning underground, subsurface or other concealed conditions, borings, soil analysis, utility locations or conditions, test pits, buried structures, condition of existing

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structures and other investigations have been provided to Contractor such information has been made available for Contractor's convenience and is not part of the Contract. The Owner or Engineer/Architect shall not be responsible for the accuracy of such information. A guarantee is not expressed 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.

**SUBSTITUTIONS**

Each bid shall be based upon the material and equipment called for in the plans and specifications. Items called for in the plans and specifications are done so to establish a standard. Only prior written approval from Owner shall allow any substitution of material, furnishing or article in place of the item specified. References to the term "equal" or "approved equal" shall mean that an item used in place shall be of equal or greater quality and shall be approved in the manner described in this section as a substitute to the specified material, furnishing or article.

Requests for substitutions shall be made five (5) calendar days prior to bid opening date to Owner. Each substitution request shall include a complete description of the proposed substitute, the name of the material or equipment for which it is to be substituted, all specifications for requested substitute including drawings with dimensions and any other data or information necessary for a complete evaluation. Any substitution accepted by Owner shall be done so in a written addendum to the bid documents: no other substitution shall be granted.

**CONTRACTOR NOTIFICATION RESPONSIBILITIES & TIMELY DEMAND FOR INSTRUCTIONS**

Contractor shall have a complete copy of specifications and plans at the work site whenever work is in progress. Contractor shall notify Owner, in writing, a minimum of 48 hours in advance of beginning the work, and shall notify Owner a minimum of 48 hours in advance by phone when approvals are needed including: layout staking, all grading, drainage, and other major items of construction for field checking of construction. Copies of material delivery tickets shall be furnished to Owner.

All work and materials shall always be open to the inspection of the Owner or Engineer/Architect. Contractor shall also furnish upon request of Owner at his expense, a person or persons familiar with the project to review work on site and discuss any matters with Owner or Engineer/Architect about the work or Contract when Owner gives 48 hours' notice for such a meeting or whenever Contractor's staff is present at the site.

**SUBCONTRACTORS AND SUPPLIERS**

Contractor shall provide a list of subcontractors and suppliers to Owner for approval prior to commencing the work. 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 Owner. 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 not let or transfer this contract or any part thereof without the written consent of the Owner. Contractor shall not be relieved from any liability or obligation under this Contract when work is assigned to others.

**OWNER'S RIGHT TO DO WORK:**

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

**RIGHT TO SUSPEND WORK:**

The Owner will notify contractor in writing when the work is to be suspended wholly or in part for such periods deemed necessary. Where due work may be suspended for 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 Contractor to carry out orders. Contractor shall maintain work site safety and protect the Work as provided in the General Conditions. No additional compensation shall be paid to Contractor because of such suspension. Contractor shall not suspend the Work without written authority of Owner.

**ALTERATIONS, EXTENSIONS AND DEDUCTIONS:**

The Owner 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 in 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.

Alterations, extensions and deductions shall be authorized by a written change order issued by Owner 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.

In the case of work specified by the Owner to be completed by Contractor, but not indicated on the plans or specifications, or not susceptible to classification under the Schedule of Unit Prices in the bid, Contractor shall and will perform such work and furnish such materials as may be required. An agreement to the costs of such work and necessary materials shall be agreed upon before commencement of work, and shall be in writing.

The Owner shall have the right to increase or diminish all or any Contract amount or items without impairing the volume or scope of this Contract so long as these alterations do not change the amount of the contract price more than thirty-five percent (35%).

**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. Contractor shall have no claim for damages or 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, Owner may suspend the work.

**USE OF SITE**

Contractor shall confine equipment, material storage and workers operations to limits indicated by law, ordinances, plans, permits or directions of the Owner and as per plans. Contractor shall not unreasonably encumber the site with materials or cause inconvenience to the Owner, public or other contractors. Contractor's responsibilities for usage of the site shall include:

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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.
3. 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 manufactured drainage ways. See Erosion and Sediment Control in Specifications in Special Provisions.
4. Temporary Roads and Turnarounds: Contractor shall provide for temporary roads as necessary or access to and within the site during the construction. All temporary roads or turnaround points shall be approved prior to construction.
5. Storage: Materials and equipment shall be stored in a manner that preserves their quality. 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 by the Owner.
6. 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 Owner's approval. Parking is prohibited under the dripline of trees to be saved.

**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. Contractor is responsible for protecting public from dangerous situations on the site during Construction. 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. A registered Land Surveyor at Contractor's expense shall replace existing property corners disturbed or lost during construction. When the site is opened for usage after final acceptance, damage to the work shall not be due to Contractor's fault or negligence.

Contractor shall have no claim against the Owner or Engineer/Architect 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.

When Owner deems any operation, condition or practice to be unsafe Contractor shall take corrective action before affected work is resumed. Contractor shall protect public and adjacent properties including roadways and shall use necessary precautions to prevent damage or injury thereto. Contractor shall prevent damage to pipes, conduits, and other underground structures as well as fences, monuments or other aboveground structures. Vegetation not marked for removal shall not be cut, trimmed or damaged except with the approval and under the direction of Owner: Contractor shall provide on-site traffic patterns away from existing vegetation, provide necessary ramps and shall not park vehicles near or under existing vegetation. Contractor shall not park or

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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. Contractor shall protect the Owner's employees and the public by 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.

**LABOR, EQUIPMENT AND METHODS**

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

Equipment used 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 Owner.

The specified methods and equipment shall be used in the prosecution of the work unless otherwise authorized by Owner. However, Contractor alone shall bear the responsibility for safety of the persons and property and shall immediately notify Owner of any specified method that creates any risk of injury or damage to persons or property. Contractor may make a written request to Owner to use a method or type of equipment other than those specified. The request shall include a description of the proposed methods, equipment and an explanation of the reasons for the substitution. When Owner authorizes trial use of the substitution, Contractor shall be responsible for producing the work in conformance with the Contract. If Owner 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 directed by Owner. No increase will be made in payment or in contract time as a result of authorizing a change in methods or equipment under these provisions.

The contractor shall be responsible for disconnection and reconnection of any and all HVAC, Cable, Phone, Electric, Heating Coils, and any other utility service lines required to complete the project.

As part of the Park District's coronavirus safety protocol and as a requirement for all workers on the project job site, the Contractor shall submit a Covid-19 safety protocol plan prior to the start of work, and adhere to the current guidelines from the CDC. This shall include 6' social distancing and wearing a face mask. More information can be found at [pdhp.org](http://pdhp.org) for up-to-date guidelines. The Park District may provide additional guidelines to follow in advance of work commencing.

**SUSTAINABILITY**

Owner is committed to sustainable practices that benefit our environment and the health and safety of our customers. Contractor agrees to work with Owner, if applicable, on sustainable project elements and materials.

**INSPECTION AND TESTING**

Materials and equipment to be used in the work shall be subject to testing at all times during fabrication as specified or designated by Owner. 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 Owner, 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 Owner will bear the cost of inspections and testing of materials.

**SUBMITTALS**

Contractor shall submit to Owner required shop drawings, product data and samples concerning materials and equipment. Contractor shall submit spec sheets; show drawing for the following items: PVC coated gabion baskets, HDPE pipe, area draws, helical piles, helical tie backs and boardwalk shop drawings including railings and hardware specifications. Owner'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. Equipment and materials installed or used without such review shall be at risk of rejection and replacement by Contractor at no cost to the Owner. 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.

**REMOVAL OF DEFECTIVE WORK**

Owner may reject and require correction of any work that does not conform to the Contract Documents. Contractor shall correct condemned workmanship and immediately remove and replace rejected materials and equipment without additional cost to the Owner. When Contractor fails to correct condemned work and remove rejected materials and equipment from the site, the Owner reserves the right to refuse payment for such work and perform such work or hire others to perform such work and the expense thereof shall be deducted from the amount to be paid Contractor.

Until final payment, all work shall be subject to inspection and testing, which includes removing or uncovering finished work when necessary. Contractor shall provide access and assistance required for such inspection and testing and shall furnish necessary facilities, labor and materials for such removal and approved replacement. Nothing in this Contract shall be construed to mean that the Owner or Engineer/Architect waives the right to later complain about defective materials or workmanship even after final acceptance.

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, Owner shall pay actual cost of labor and materials involved in inspection and reconstruction, plus the Owner shall allow Contractor 10%.

**COMPLETION DATE**

Contractor warrants that the commencement and completion dates specified in the Instructions to Bidders is reasonable time for completion of the work for the Contract price taking into consideration natural and manufactured conditions that may affect the work.

**CLEANING UP**

Contractor shall keep the project site and adjoining premises and thoroughfares free from accumulation of waste material or rubbish caused by the work on a daily basis. 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 Owner, the Owner may remove the items and deduct the cost of such removal from Contractor's final payment.

Dust shall be kept to a minimum during construction by means of wetting the site or other approved methods. Contractor shall wash down all existing sidewalks and roadways on and off site once a week during construction to keep the area clean. See also Restoration of Disturbed Areas / Site Cleanup in Special Provisions.

**PAYMENT**

Contractor may request partial payments based on estimates of work completed. Payment requests shall be submitted to Owner for approval in duplicate on AIA Documents G702 and G703, Application and Certificate for Payment. The estimate shall be a sworn statement of work completed to date, shall list each item completed with reference to the bid item number and quantity, and include waiver of liens as specified in the Instructions to Bidders. The Owner shall retain ten percent (10%) of each payment. The Owner 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.

All invoices should be submitted by the first business day of the month in order to receive payment in the same month.

The Owner shall make a final inspection of work after Contractor notifies Owner that work is substantially complete. Contractor will be notified in writing of all punch list items, if any, to be corrected or completed before final acceptance is granted. Following Contractor's completion of all punch list work, Owner shall provide a written notice of final acceptance to Contractor. The date of the final acceptance letter shall be the beginning date of the one-year guarantee or work as stated in the Instructions to Bidders.

Upon written final acceptance, Contractor shall submit final waivers of lien, and a final request for payment, including retained monies. Final payment shall be made to Contractor within sixty (60) calendar days after receipt of the above items. Contractor may request a reduction of the percentage of retainage during the one hundred twenty-day period and a payment of a portion of the retainage may be made at the Owner's discretion.

**OWNERSHIP OF PLANS, SPECIFICATIONS**

All Plans and Specifications and copies thereof furnished by or purchased are properties of the Owner and are not to be used on other work. With the exception of one complete set, all documents are to be returned upon contract completion.



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**2022 Moraine Park Path Improvements**

**FREEDOM OF INFORMATION ACT REQUESTS**

Contractor agrees to maintain, without charge to the Owner, all records and documents for projects of the Owner in compliance with the Freedom of Information Act, 5 ILCS 140/1 et seq. In addition, Contractor shall produce records which are responsive to a request received by the Owner under the Freedom of Information Act so that the Owner may provide records to those

requesting them within the time frames required. If additional time is necessary to compile records in response to a request, then Contractor shall so notify the Owner and if possible, the Owner shall request an extension so as to comply with the Act. In the event that the Owner is found to have not complied with the Freedom of Information Act due to Contractor's failure to produce documents or otherwise appropriately respond to a request under the Act, then Contractor shall indemnify and hold the Owner harmless, and pay all amounts determined to be due including but not limited to fines, costs, attorneys' fees and penalties.

**INSURANCE**

**Contractor shall** keep in force, to the satisfaction of the Owner, at all times during the performance of any work referred to above, and unless otherwise agreed by Owner, Workers Compensation and Employer's Liability Insurance, Commercial General Liability Insurance, and Automobile Insurance in at least the type and amounts as follows:

1. Workers' Compensation:
  - a. State: Statutory
  - b. Applicable Federal (e.g., Longshoremen's): Statutory
  - c. Employer's Liability

\$1,000,000.00	Per Accident
\$1,000,000.00	Disease, Policy Limit
\$1,000,000.00	Disease, Each Employee
  
2. Commercial General Liability:
  1. \$2,000,000.00 General Aggregate
  2. \$1,000,000.00 Products Completed Operations Aggregate
  3. \$1,000,000.00 Personal and Advertising Injury
  4. \$1,000,000.00 Each Occurrence
  5. \$ 50,000.00 Fire Damage (any one fire)
  6. \$ 5,000.00 Medical Expense (any one person)
  
3. Business Automobile Liability (including owned, non-owned and hired vehicles):
  - a. Bodily Injury:

\$1,000,000.00	Per Person
\$1,000,000.00	Per Accident
  - b. Property Damage:

\$1,000,000.00	Per Occurrence
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4. Umbrella Excess Liability:

\$2,000,000.00	over Primary Insurance
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**B. Deductibles and Self-Insured Retentions.** Any deductibles or self-insured retention's must be declared to and approved by the Owner. At the option of the Owner either: the insurer shall reduce or eliminate such deductibles or self-insured retention's as respects the Owner, its officers, officials, employees, volunteers and agents; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

**C. Other Insurance Provisions.** The policies are to contain, or be endorsed to contain, the following provisions:

1. Regarding General Liability and Automobile Liability Coverage

- i. The Owner, its officers, officials, employees and volunteers, and Engineering or Architectural Firm, its officers, officials, employees, and volunteers, are to be covered as additional insured as respects: liability arising out of activities performed by or on behalf of the Contractor, including the insured's general supervision of the Contractor; products and completed operations of the contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the contractor. Coverage shall contain no special limitations on scope of protection afforded to the Owner, its officers, officials, employees, volunteers, or agents.
- ii. The Contractor's insurance coverage shall be primary insurance as respect to the Owner, its officers, officials, employees, volunteers, and agents. Any insurance or self-insurance maintained by the Owner, its officers, officials, employees, volunteers or agents shall be excess of the Contractor's insurance and shall not contribute with it.
- iii. Any failure to comply with reporting provisions of the policies shall not affect coverage to the Owner, its officers, officials, employees, volunteers, or agents.
- iv. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

2. Workers' Compensation and Employers Liability Coverage

- i. The insurer shall agree to waive all rights of subrogation against the Owner, its officers, officials, employees, volunteers, and agents for losses arising from work performed by the contractor for the Owner.

3. All Coverage

- i. Each insurance policy required by this clause shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) calendar days' prior written notice by certified mail, return receipt requested, has been given to the Owner.

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**D. Acceptability of Insurers.** Insurance is to be placed with insurers with a Best's rating of no less than A: VII and licensed to do business in the State of Illinois.

**E. Verification of Coverage.** Contractor shall furnish the Owner with certificates of insurance and with original endorsements if applicable effecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. All certificates and endorsements are to be received and approved by the Owner before work commences. The Owner reserves the right to require complete, certified copies of all required insurance policies, at any time.

**F. Subcontractors.** Contractor shall include all subcontractors as insured's under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the requirements stated herein.

**G. Indemnification.**

To the fullest extent permitted by law, to waive any and all rights of contribution against Owner and to indemnify and hold harmless and its officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses, including, but not limited to, legal fees (attorney's and paralegal's fees, expert fees and court costs) arising out of or resulting from the performance of the Contractor's work, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or injury to or destruction of property, other than the work itself, including the loss of use resulting therefrom, or is attributable to misuse or improper use of trademark or copyright protected material or otherwise protected intellectual property, to the extent it is caused in whole or in part by any wrongful or negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. Such obligation shall not be construed to negate, abridge or otherwise reduce any other right to indemnity which Owner would otherwise have. Contractor shall similarly, protect, indemnify and hold and save harmless, Owner, its officers, officials, employee, volunteers and agents against and from any and all claims, costs, causes, actions and expenses, including, but not limited to, legal fees, incurred by reason of Contractor's breach of any of its obligations under, or Contractor's default of any provisions of the Contract. The indemnification obligations under this paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any subcontractor under Workers' Compensation or Disability Benefit Acts or Employee Benefit Acts.

Accordingly, the Commercial General Liability Policy shall provide for coverage of contractual indemnification obligations.

**H. An endorsement containing the following:** "Solely as respects to work done by and on behalf of the named insured for the Park District of Highland Park, it is agreed that the Park District of Highland Park, its officers, officials, employees, volunteers, and agents, Engineering or Architectural Firm, added as additional insured under this policy."

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**ACKNOWLEDGEMENT OF DOCUMENTS**

1. Receipt of Documents: Contractor has received a complete set of specifications and plans and understands the meaning of their content, and shall willingly comply with the guidelines set forth in these documents.

Yes    No  
—      —

2. Identification of Documents Received: The following is a checklist of documents that should appear in the Bid Documents. Please complete the checklist to confirm receipt and contact Owner if any of the documents were not received.

	Yes	No
ADVERTISMENT FOR BID	—	—
INVITATION TO BID	—	—
INSTRUCTIONS TO BIDDERS	—	—
GENERAL TERMS	—	—
ACKNOWLEDGEMENT OF DOCUMENTS	—	—
BID FORM	—	—
REFERENCES	—	—
CONTRACTOR PROFILE AND QUALIFICATIONS	—	—
CERTIFICATION OF ELIGIBILITY	—	—
SAMPLE CONTRACT	—	—
SCOPE OF WORK	—	—
DRAWINGS	—	—
SUPPLEMENTAL DOCUMENTS	—	—

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

**BID FORM**  
 (Page 1 of 3)

**TO:** Park District of Highland Park  
 636 Ridge Road  
 Highland Park, IL 60035

**FROM:** \_\_\_\_\_  
 Company  
 \_\_\_\_\_  
 Street Address  
 \_\_\_\_\_  
 City, State, Zip  
 \_\_\_\_\_  
 Phone

**FOR: 2022 Moraine Park Path Improvements**

**BASE BID:**

Item No.	Item	Quantity	Unit	Unit Cost	Total
<b>1</b>	<b>GENERAL CONDITIONS</b>				
1.1	Mobilization	1	EA	\$	\$
1.2	Stabilized construction entrance including stairs & bridge protection and restoration & removal upon completion	1	EA	\$	\$
1.3	Temporary construction fencing	225	LF	\$	\$
1.4	Tree Protection Fencing, silt fence and silt worm	1	LS	\$	\$
				<b>Item 1 Total</b>	<b>\$</b>
<b>2</b>	<b>BOARDWALK IMPROVEMENTS</b>				
2.1	Remove/replace repair stone path at east end	25	SF	\$	\$
2.2	Pile 3 lagging bulkhead	1	EA	\$	\$
2.3	Remove existing wood platform adjacent to bridge	72	SF	\$	\$
2.4	Removal of existing stone walls to be crushed & reused for fill material	404	LF	\$	\$
2.5	Removal of existing stone path to be crushed & reused for fill material	1220	SF	\$	\$
2.6	Earthwork & regrading of area north of boardwalk and slope failure south of path	75	CY	\$	\$
2.7	Wood boardwalk including railings stairs & sub structure	1270	SF	\$	\$
2.8	15' Helical piles	50	EA	\$	\$
2.9	25' Helical tie backs	25	EA	\$	\$
2.10	Restoration of disturbed area (boardwalk area)	1	EA	\$	\$
				<b>Item 2 Total</b>	<b>\$</b>

Park District of Highland Park  
2022 Moraine Park Path Improvements

**BID FORM**  
(Page 2 of 3)

Item No.	Item	Quantity	Unit	Unit Cost	Total
<b>3</b>	<b>FILL BEHIND STEEL WALLS</b>				
	<b>East Steel Crib</b>				
3.1	3'x3'x6' Gabion baskets, PVC coated with 4"-6" stone fill (double stack)	4	EA	\$	\$
3.2	Stone fill behind wall	30	CY	\$	\$
3.3	18" - 24" Boulders placed in front of Gabion baskets	21	EA	\$	\$
	<b>West Steel Crib</b>				
3.4	3'x3'x6' Gabion baskets, PVC coated with 4"-6" stone fill (double stack)	2	EA	\$	\$
3.5	Stone fill behind wall	40	CY	\$	\$
3.6	18" - 24" Boulders placed in front of Gabion baskets	30	EA	\$	\$
3.7	Restoration of disturbed area (east and west crib area)	1	EA	\$	\$
	<b>Item 3 Total</b>				\$
				<b>TOTAL BASE BID</b>	\$

**ALTERNATES:**

Item No.	Item	Quantity	Unit	Unit Cost	Total
1	Helical piles additional length as required	1	FT	\$	\$
2	Helical tie backs additional length as required	1	FT	\$	\$

**Receipt of Addenda:** The receipt of the following addenda is hereby acknowledged:

Addendum No. \_\_\_\_\_, Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_, Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_, Dated \_\_\_\_\_

Park District of Highland Park  
2022 Moraine Park Path Improvements

**BID FORM**  
(Page 3 of 3)

**SUBCONTRACTORS:** List Name, Address, Phone and Work Assignment

1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The undersigned bidder has carefully examined the plans and specifications for the 2022 Moraine Park Path Improvements as prepared by the Owner and/or Engineer/Architect, and having carefully examined the site and completely familiarized him/herself with local conditions affecting the cost of the work: hereby states that he/she will provide all necessary labor, equipment, tools, machinery, apparatus and all other means of construction, do all the work and furnish all materials, called for by said plans and specification and drawings: and will accept as full and complete payment therefore the base bid amount which is the summation of the cost of the items of work and is equal to the summation of the extension of the unit prices.

BY: \_\_\_\_\_  
Name and Title of Authorized Agent

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

**REFERENCES**

Contractor shall include at least three (3) references with which the Contractor has completed similar work of approximate magnitude required under this contract.

Project Name \_\_\_\_\_  
Project Location \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Telephone Number/E-Mail \_\_\_\_\_  
Project Completion Date \_\_\_\_\_

Project Name \_\_\_\_\_  
Project Location \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Telephone Number/E-Mail \_\_\_\_\_  
Project Completion Date \_\_\_\_\_

Project Name \_\_\_\_\_  
Project Location \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Telephone Number/E-Mail \_\_\_\_\_  
Project Completion Date \_\_\_\_\_

Project Name \_\_\_\_\_  
Project Location \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Telephone Number/E-Mail \_\_\_\_\_  
Project Completion Date \_\_\_\_\_

Project Name \_\_\_\_\_  
Project Location \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Telephone Number/E-Mail \_\_\_\_\_  
Project Completion Date \_\_\_\_\_



Park District of Highland Park  
2022 Moraine Park Path Improvements

**CONTRACTOR PROFILE AND QUALIFICATIONS**

(Page 1 of 2)

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City, State, Zip Code \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Telephone Number \_\_\_\_\_ E-Mail \_\_\_\_\_

# of Employees \_\_\_\_\_ Annual Sales # \_\_\_\_\_  
Contractor's organization has been in business under its present business name for \_\_\_\_ years.

Contractor's organization has had experience in work comparable with that required under the proposed contract:

as a prime contractor \_\_\_\_\_ years;  
as a subcontractor \_\_\_\_\_ years.

The following Contractor's employees will be involved with the proposed contract:

Name \_\_\_\_\_  
Position \_\_\_\_\_  
Years of Experience \_\_\_\_\_  
Responsibility/Task \_\_\_\_\_

Name \_\_\_\_\_  
Position \_\_\_\_\_  
Years of Experience \_\_\_\_\_  
Responsibility/Task \_\_\_\_\_

Name \_\_\_\_\_  
Position \_\_\_\_\_  
Years of Experience \_\_\_\_\_  
Responsibility/Task \_\_\_\_\_

Contractor may attach additional project detail to demonstrate ability to successfully complete work comparable with that required under the proposed contract.

**CONTRACTOR PROFILE AND QUALIFICATIONS**

(Page 2 of 2)

1. Within the past ten (10) years, has your firm, any officer or other individual employed by your firm, been the subject of any administrative or judicial proceeding for alleged violations of any law, or any rule or regulation of any governmental body. If yes, please provide a detailed explanation of the proceeding, including the nature of the charge or claim, the disposition of the matter and the specific individuals/entities involved.

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2. Within the past ten (10) years, has your firm been the subject of any other type of claim, including by way of example and not limitation, for breach of contract? If yes, please provide a detailed explanation of the proceeding, including the caption, claimant, court or other dispute forum, nature and disposition of the claim.

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3. Has your firm ever been terminated prior to completion of its services from any project? If yes, please provide a detailed explanation, including the identities of all entities and individuals involved, the nature of the services which your firm was to provide, the individuals who were assigned to provide the services and the reason given for the termination

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Park District of Highland Park  
2022 Moraine Park Path Improvements

**CONTRACTOR’S CERTIFICATION OF ELIGIBILITY**

In Compliance 720 ILCS 5/33E-11:

\_\_\_\_\_,a(n) \_\_\_\_\_  
Print name of Contractor Individual, Partnership, Corporation

as part of his bid or proposal on the above referenced Contract, hereby certifies that the Contractor is not barred from bidding on the above referenced contract or entering into a contract with the Park District of Highland Park as a result of a violation of either Section 33E-3 Bid-rigging or 33E-4 Bid-stating of Article 33E of the Illinois Criminal Code, 720 ILCS 5/33E-1, *et. seq.*, as amended.

\_\_\_\_\_  
Date

Contractor

By:\_\_\_\_\_

Its:\_\_\_\_\_ Title

STATE OF ILLINOIS        )  
  ) SS  
COUNTY OF                )

I, the undersigned, a notary public in and for the State and County aforesaid, hereby certify that appeared before me this day in person and, being first duly sworn on oath, acknowledged that he/she is authorized to act on behalf of Contractor, and that he/she executed the foregoing certificate as his/her free act and deed and as the act and deed of Contractor.

DATED: \_\_\_\_\_, 2022  
Notary Public\_\_\_\_\_

[Notary Seal]

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

**SAMPLE CONTRACT**

The Park District of Highland Park executes an Independent Contractor Agreement for all work. A sample of the **Independent Contractor Agreement** is provided on the following pages.

INDEPENDENT CONTRACTOR AGREEMENT

THIS AGREEMENT entered into by and between <NAME OF CONTRACTOR> (hereafter "CONTRACTOR") and the PARK DISTRICT OF HIGHLAND PARK (hereafter "AGENCY").

WHEREAS, CONTRACTOR will be performing services and work for AGENCY in accordance with the following: Advertisement for Bid including Bid Form <NAME OF PROJECT> dated <DATE (long form i.e. July, 25, 2011)>; the documents referenced therein; CONTRACTOR's Bid in response to the Advertisement for Bid for <NAME OF PROJECT> (hereafter "Proposal"); all of which are attached hereto and incorporated herein as **Exhibit A**;

WHEREAS, Exhibit A, together with this document, collectively comprise the agreement of the parties and are hereafter referred to as the "Agreement"; and

WHEREAS, CONTRACTOR may have subcontractors, material suppliers and one or more employees engaged in the performance of said work; and

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, and other good and valuable consideration received and to be received, the CONTRACTOR hereby agrees:

1. To comply with all applicable laws, regulations, and rules promulgated by any Federal, State, County, Municipal and or other governmental unit or regulatory body now in effect during the performance of the work. By way of example, the following are included within the scope of the laws, regulations and rules referred to in this paragraph, but in no way to operate as a limitation on the laws, regulations and rules with which CONTRACTOR must comply, are all forms of Workers Compensation Laws, all terms of the Equal Employment Opportunity Clause of the Illinois Fair Employment Practices Commission, the Illinois Preference Act, the Social Security Act, Statutes relating to contracts let by units of government, all applicable Civil Rights and Anti-Discrimination Laws and Regulations, and traffic and public utility regulations.
2. To the fullest extent permitted by law, to waive any and all rights of contribution against AGENCY and to indemnify and hold harmless AGENCY and its officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses, including, but not limited to, legal fees (attorney's and paralegal's fees, expert fees and court costs) arising out of or resulting from the performance of the CONTRACTOR's work, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or injury to or destruction of property, other than the work itself, including the loss of use resulting therefrom, or is attributable to misuse or improper use of trademark or copyright protected material or otherwise protected intellectual property, to the extent it is caused in whole or in part by any wrongful or negligent act or omission of the CONTRACTOR, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. Such obligation shall not be construed to negate, abridge or otherwise reduce any other right to indemnity which AGENCY would otherwise have. CONTRACTOR shall similarly, protect, indemnify and hold and save harmless, AGENCY, its officers, officials, employee, volunteers and agents against and from any and all claims, costs, causes, actions and expenses, including, but not limited to, legal fees, incurred

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

by reason of CONTRACTOR's breach of any of its obligations under, or CONTRACTOR's default of any provisions of the Contract. The indemnification obligations under this paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for CONTRACTOR or any subcontractor under Workers' Compensation or Disability Benefit Acts or Employee Benefit Acts.

3. To keep in force, to the satisfaction of AGENCY, at all times during the performance of any work referred to above, Workers Compensation and Employer's Liability Insurance, Commercial General Liability Insurance, and Automobile Insurance in at least the type and amounts as follows:
  - a. Workers' Compensation:
    - i. State: Statutory
    - ii. Applicable Federal (e.g., Longshoremen's): Statutory
    - iii. Employer's Liability
      - \$1,000,000.00 Per Accident
      - \$1,000,000.00 Disease, Policy Limit
      - \$1,000,000.00 Disease, Each Employee
  - b. Commercial General Liability:
    - \$2,000,000.00 General Aggregate
    - \$1,000,000.00 Products Completed Operations Aggregate
    - \$1,000,000.00 Personal and Advertising Injury
    - \$1,000,000.00 Each Occurrence
    - \$ 50,000.00 Fire Damage (any one fire)
    - \$ 5,000.00 Medical Expense (any one person)
  - c. Business Automobile Liability (including owned, non-owned and hired vehicles):
    - i. Bodily Injury:
      - \$1,000,000.00 Per Person
      - \$1,000,000.00 Per Accident
    - ii. Property Damage
      - \$1,000,000.00 Per Occurrence
    - iii. Umbrella Excess Liability:
      - \$2,000,000.00 over Primary Insurance
4. To have all policies of insurance purchased or maintained in fulfillment hereof name AGENCY as an additional insured thereunder and the CONTRACTOR shall provide AGENCY with Certificates of Insurance and applicable policy endorsement(s), executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth above. No such policy of insurance shall have a deductible or self-insurance retention amount in excess of \$5,000.00 per occurrence. All insurance shall be written on an "occurrence" basis rather than a "claims-made" basis. Failure of AGENCY to demand any certificate, endorsement or other evidence of full compliance with these insurance requirements or failure of AGENCY to identify a deficiency from evidence that is provided shall not be construed as a waiver of CONTRACTOR's obligation to maintain such insurance. The CONTRACTOR agrees that the obligation to provide the insurance required by these documents is solely its responsibility and that this is a requirement which cannot be waived by any conduct, action, inaction or omission by the AGENCY. Upon request, the CONTRACTOR will provide copies of any or all policies of insurance maintained in fulfillment hereof.

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

AGENCY shall have the right, but not the obligation, of prohibiting CONTRACTOR or any subcontractor from entering the project site until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and approved by AGENCY.

Failure to maintain the required insurance may result in termination of this Contract at AGENCY's option.

5. CONTRACTOR shall cause each consultant employed by CONTRACTOR to purchase and maintain insurance of the type specified above. When requested by the AGENCY, CONTRACTOR shall furnish copies of certificates of insurance evidencing coverage for each consultant.
6. For any claims related to this contract, CONTRACTOR insurance coverage shall be primary insurance as respects the AGENCY, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the AGENCY, its officers, officials, employees, or volunteers shall be excess of the CONTRACTOR insurance and shall not contribute with it.
7. Nothing contained in this contract is to be construed as limiting the liability of the CONTRACTOR, the liability of any Subcontractor or any tier or either of their respective insurance carriers. The AGENCY does not, in any way, represent that the coverages or limits of insurance specified is sufficient or adequate to protect the AGENCY, or CONTRACTOR, but are merely minimums. The obligations of CONTRACTOR to purchase insurance shall not, in any way, limit its obligations to the AGENCY in the event that the AGENCY should suffer an injury or loss in excess of the amount recoverable through insurance, or any loss or portion of a loss which is not covered by FIRM's insurance.
8. CONTRACTOR shall maintain commercial general liability (CGL) and commercial umbrella liability insurance with a limit of not less than limits outlined herein for at least three years following substantial completion of the work.
9. All insurance provided by CONTRACTOR shall be placed with insurers with a current A.M. Best's rating of no less than A: VII using the most recent edition of the A.M. Best's Key Rating Guide. If the Best's rating is less than A VII or a Best's rating is not obtained, AGENCY has the right to reject insurance written by an insurer it deems unacceptable.
10. All certificates shall provide for 30 days written notice to owner prior to the cancellation or material change of any insurance referred to therein written notice to AGENCY shall be certified mail, return receipt requested.
11. AGENCY reserves the right to modify these requirements herein, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstance.
12. CONTRACTOR hereby grants to AGENCY a waiver of any right to subrogation which any insurer of said CONTRACTOR may acquire against the AGENCY by virtue of the payment of

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

any loss under such insurance. CONTRACTOR agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the AGENCY has received a waiver of subrogation endorsement from the insurer.

13. To furnish any affidavit or Certificate in connection with the work covered by this agreement as required by law.
14. AGENCY may terminate this Agreement for cause upon 24 hours written notice of breach to CONTRACTOR and for convenience and without cause upon not less than seven days' written notice to CONTRACTOR. In the event of termination for other than cause, CONTRACTOR shall be compensated for services performed prior to termination (applying a pro-rata apportionment to the anticipated schedule of services) together with Reimbursable Expenses then due.
15. To the extent that the Prevailing Wage Act applies, CONTRACTOR agrees to pay and require every Subcontractor to pay prevailing wages as established by the Illinois Department of Labor for each craft or type of work needed to execute the contract in accordance with 820 ILCS 130/.01 et seq. The Illinois Department of Labor publishes the prevailing wage rates on its website at: <https://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx> CONTRACTOR is advised that the Department revises the prevailing wage rates and the CONTRACTOR has an obligation to check the Department's web site for revisions. The CONTRACTOR shall prominently post the current schedule of prevailing wages at the Contract site and shall notify immediately in writing all of its Subcontractors, of all changes in the schedule of prevailing wages. Any increases in costs to the CONTRACTOR due to changes in the prevailing rate of wage during the terms of any contract shall be at the expense of the CONTRACTOR and not at the expense of the Owner. The change order shall be computed using the prevailing wage rates applicable at the time the change order work is scheduled to be performed. The CONTRACTOR shall be solely responsible to maintain accurate records as required by the prevailing wage statute and to obtain and submit all such certified records to the Illinois Department of Labor Certified Transcript of Payroll Portal at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/CertifiedTranscriptOfPayroll.aspx> as required by Statute. CONTRACTOR shall furnish AGENCY confirmation that certified payroll was submitted. In lieu of certified payroll, CONTRACTOR shall submit a letter setting forth the basis upon which CONTRACTOR has concluded the Act does not apply. The CONTRACTOR shall be solely liable for paying the difference between prevailing wages and any wages actually received by laborers, workmen and/or mechanics engaged in the Work and in every way defend and indemnify the AGENCY against any claims arising under or related to the payment of wages in accordance with the Prevailing Wage Act.
16. If contract sum is equal or above \$50,000, then the CONTRACTOR, before commencing the Work, shall furnish a Performance Bond and a Labor and Material Payment Bond. Contract amounts below \$50,000 may still require a bond at the discretion of the AGENCY and will be identified in the bid or proposal form. The Performance Bond shall be in an amount equal to 100% of the full amount of the Contract Sum as security for the faithful performance of the obligation of the Contract Documents, and the Labor and Material Payment Bond shall be in an amount equal to 100% of the full amount of the Contract Sum as security for the payment of all persons performing labor and furnishing materials in connection with the Contract Documents.



*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

Such bonds shall be on standard AIA Documents, shall be issued by a surety satisfactory to the AGENCY, and shall name the AGENCY as a primary co-obligee. The cost of the bonds is to be included in the Bid Proposal. The Performance Bond and Labor and Material Payment Bond will become a part of the Contract. The failure of the successful Bidder to enter into a Contract and supply the required Bonds within ten (10) days after the Notice of Award or within such extended period as the AGENCY may grant if the forms do not meet its approval shall constitute a default, and the AGENCY may either award the Contract to the next responsible, responsive Bidder or re-advertise for bids. A charge against the defaulting Bidder may be made for the difference between the amount of the bid and the amount for which a contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the bid guarantee.

17. CONTRACTOR agrees to maintain, without charge to the AGENCY, all records and documents for projects of the AGENCY in compliance with the Freedom of Information Act, 5 ILCS 140/1 et seq. In addition, CONTRACTOR shall produce records which are responsive to a request received by the AGENCY under the Freedom of Information Act so that the Owner may provide records to those requesting them within the time frames required. If additional time is necessary to compile records in response to a request, then CONTRACTOR shall so notify the AGENCY and if possible, the AGENCY shall request an extension so as to comply with the Act. In the event that the AGENCY is found to have not complied with the Freedom of Information Act due to CONTRACTOR's failure to produce documents or otherwise appropriately respond to a request under the Act, then CONTRACTOR shall indemnify and hold the AGENCY harmless, and pay all amounts determined to be due including but not limited to fines, costs, attorneys' fees and penalties.

IT IS MUTUALLY UNDERSTOOD AND AGREED that the CONTRACTOR shall have the full control of the ways and means of performing the work referred to above and that the CONTRACTOR or its employees, representatives or subcontractors are in no sense employees of the AGENCY, it being specifically agreed that the CONTRACTOR bears the relationship of an independent contractor to the AGENCY.

This agreement shall be in full force and effect from the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ until such time as it is terminated by the AGENCY.

PARK DISTRICT OF HIGHLAND PARK

<NAME OF CONTRACTOR>

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

**SCOPE OF WORK**

The scope of work for the Moraine Park Path Improvements consists of the removal of the existing stone path and retaining walls. Spoil will be done on site. The stone path will be replaced with approximately 250 feet of five-foot-wide boardwalk. The project will also include helical piles, helical tie backs, gabion baskets at ravine shoreline, boulder placement, construction fencing, tree protection and restoration of all disturbed areas.

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

**DRAWINGS**

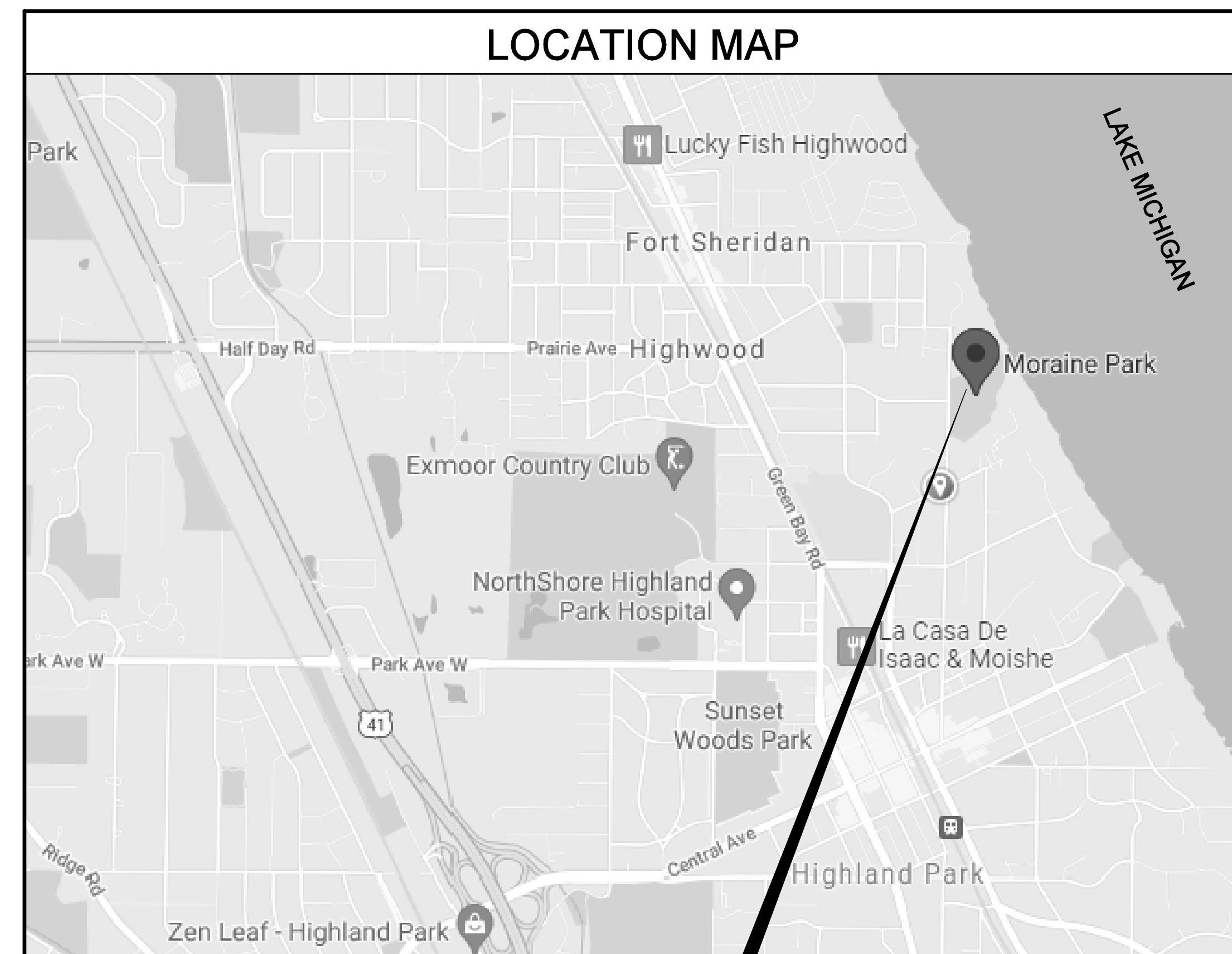
<b>No.</b>	<b>Title</b>	<b>Date</b>
	<b>Moraine Park Proposed Site Improvement Plans</b>	
Sheet 1	Cover Sheet	3-25-2022
Sheet 2	General Layout Plan	3-25-2022
Sheet 3	Existing Conditions and Construction Access Plan	3-25-2022
Sheet 4	Existing Conditions and Demolition Plan	3-25-2022
Sheet 5	Details and Notes	3-25-2022
Sheet 6	Details and Notes	3-25-2022
	<b>Moraine Park Path Boardwalk</b>	
S1.1	Plans and Notes	3-23-2022
S2.1	Sections and Details	3-23-2022
S2.2	Stair Sections	3-23-2022

# MORAINE PARK

## PROPOSED SITE PATH IMPROVEMENTS

### HIGHLAND PARK, ILLINOIS 60035

UTILITY LEGEND	
EXISTING	PROPOSED
	STORM SEWER
	SANITARY SEWER
	WATER MAIN
	MANHOLE
	CATCH BASIN
	INLET
	FIRE HYDRANT
	VALVE VAULT
	LIGHT POLE
	POWER POLE

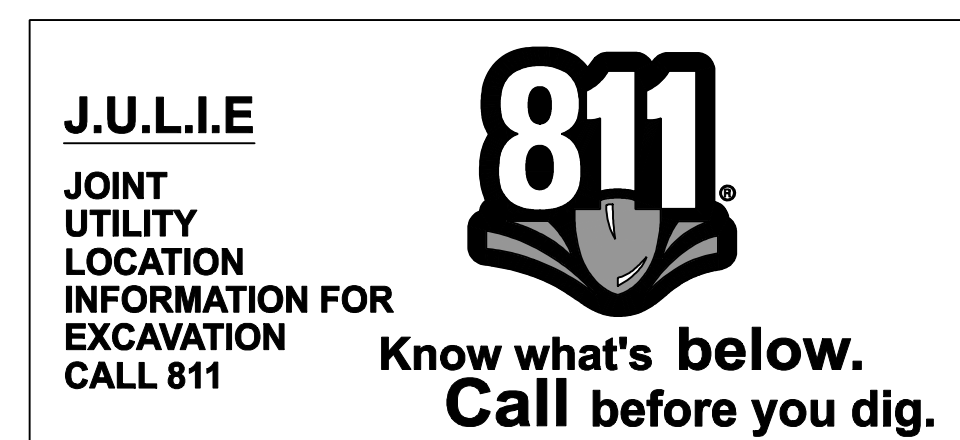


INDEX OF SHEETS	
SHEET 1	COVER SHEET
SHEET 2	GENERAL LAYOUT PLAN
SHEET 3	EXISTING CONDITIONS AND CONSTRUCTION ACCESS PLAN
SHEET 4	EXISTING CONDITIONS AND DEMOLITION PLAN
SHEET 5	PROPOSED GRADING AND DRAINAGE PLAN
SHEET 6	DETAILS AND NOTES

PROJECT LOCATION

SITE BENCHMARK(SBM): Arrow Bolt on Fire Hydrant East of Parking Lot, Elevation=653.96, NAVD'88

Benchmark Determined Using GPS With the Illinois East 1201 Coordinate System, NAVD'88

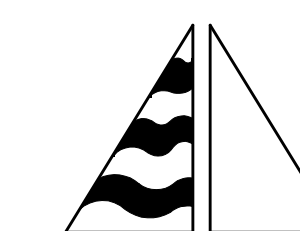


3/24/2022

DANIEL A. CREANEY  
PE 062-33917  
EXPIRATION DATE: 11/30/23

DATE	SHEET	REVISION
3-25-2022	ALL	ISSUED FOR RE-BID
1-31-2022	ALL	ISSUED FOR PERMIT & BID
1-26-2022	ALL	PARK DISTRICT REVIEW

THESE PLANS OR ANY PART THERE OF SHALL BE CONSIDERED VOID WITHOUT THE ENGINEER'S ORIGINAL SIGNATURE, SEAL, AND ENDORSEMENT DATE



DATE: 9-17-2021

**DANIEL CREANEY COMPANY**  
CONSULTING CIVIL ENGINEERS  
450 SKOKIE BLVD. SUITE 105  
NORTHBROOK, ILLINOIS (847) 480-5757

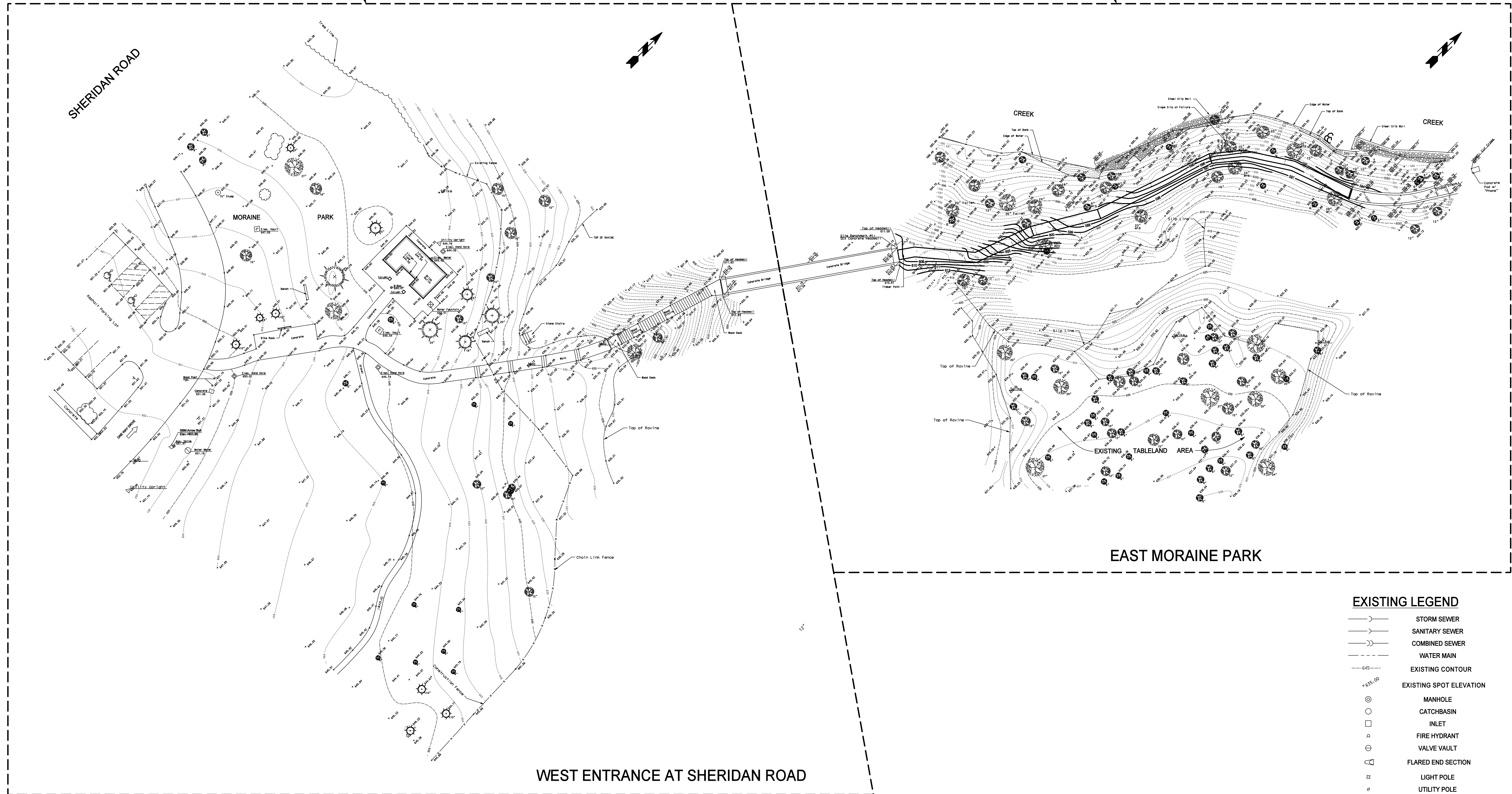
JOB NO.: 7906-A

SHEET  
**1**  
OF 6

SEE SHEET 3

SEE SHEET 4 & 5

Notes: Level = 584.34, 11-20-2019



**EXISTING LEGEND**

- STORM SEWER
- SANITARY SEWER
- COMBINED SEWER
- WATER MAIN
- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- MANHOLE
- CATCHBASIN
- INLET
- FIRE HYDRANT
- VALVE VAULT
- FLARED END SECTION
- LIGHT POLE
- UTILITY POLE
- CABLE TELEVISION
- ELECTRIC
- GAS
- TELEPHONE
- TREE

SITE BENCHMARK(SBM): Arrow Bolt on Fire Hydrant East of Parking Lot, Elevation=653.96, NAVD'88

Benchmark Determined Using GPS With the Illinois East 1201 Coordinate System, NAVD'88

**DANIEL CREANEY COMPANY**  
 CONSULTING CIVIL ENGINEERS  
 450 SKOKIE BLVD. SUITE 105  
 NORTHBROOK, ILLINOIS (847) 480-5757

DESIGNED BY: R.H. CHECKED BY: R.H. SCALE: 1" = 20'  
 DRAWN BY: J.S. JOB NO.: 7906-A BOOK: 262

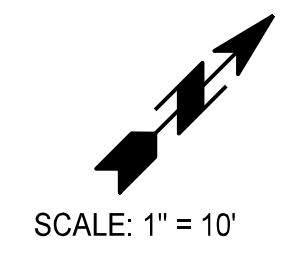
**MORaine PARK PATH BOARDWALK**  
 PARK DISTRICT OF HIGHLAND PARK  
 HIGHLAND PARK, ILLINOIS

**GENERAL LAYOUT PLAN**

DATE	BY	REVISION
3-25-2022	R.H.	ISSUED FOR RE-BID
1-31-2022	R.H.	ISSUED FOR PERMIT & BID
1-28-2022	R.H.	PARK DISTRICT REVIEW

SHEET  
**2**  
 OF 6  
 DATE 9-17-2021

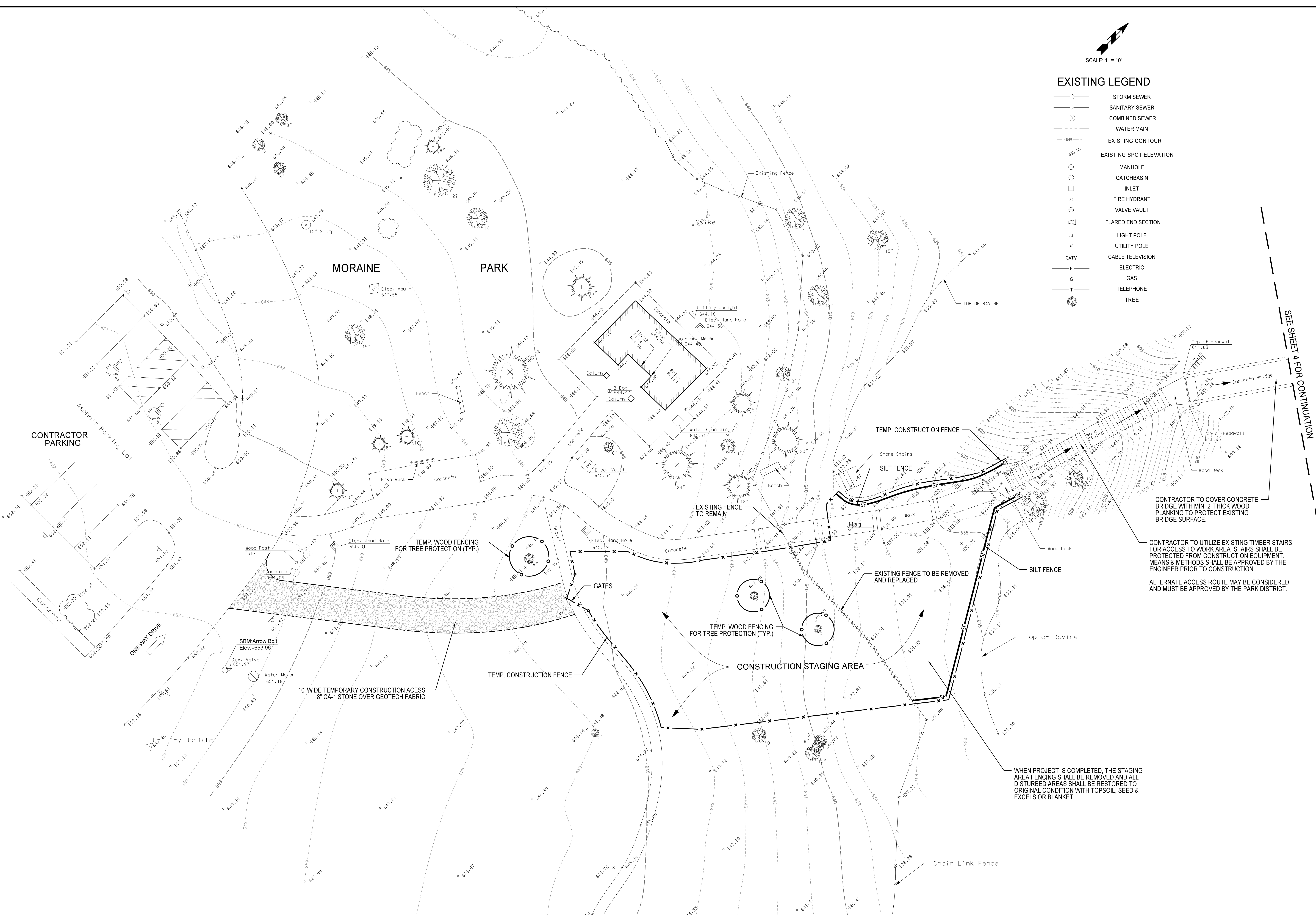
3/24/2022 J:\DCC\7906-a\CAD\02\_DCC\_General Layout Plan.dgn



SCALE: 1" = 10'

**EXISTING LEGEND**

- STORM SEWER
- SANITARY SEWER
- COMBINED SEWER
- WATER MAIN
- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- MANHOLE
- CATCHBASIN
- INLET
- FIRE HYDRANT
- VALVE VAULT
- FLARED END SECTION
- LIGHT POLE
- UTILITY POLE
- CABLE TELEVISION
- ELECTRIC
- GAS
- TELEPHONE
- TREE



SEE SHEET 4 FOR CONTINUATION

CONTRACTOR TO COVER CONCRETE BRIDGE WITH MIN. 2" THICK WOOD PLANKING TO PROTECT EXISTING BRIDGE SURFACE.

CONTRACTOR TO UTILIZE EXISTING TIMBER STAIRS FOR ACCESS TO WORK AREA. STAIRS SHALL BE PROTECTED FROM CONSTRUCTION EQUIPMENT. MEANS & METHODS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

ALTERNATE ACCESS ROUTE MAY BE CONSIDERED AND MUST BE APPROVED BY THE PARK DISTRICT.

WHEN PROJECT IS COMPLETED, THE STAGING AREA FENCING SHALL BE REMOVED AND ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION WITH TOPSOIL, SEED & EXCELSIOR BLANKET.

**DANIEL CREANEY COMPANY**  
 CONSULTING CIVIL ENGINEERS  
 450 SKOKIE BLVD., SUITE 105  
 NORTHBROOK, ILLINOIS (847) 480-5757

DESIGNED BY: R.H. CHECKED BY: R.H. SCALE: 1" = 10'  
 DRAWN BY: J.S. JOB NO.: 7906-A BOOK: 262

**MORAIINE PARK PATH BOARDWALK**  
 PARK DISTRICT OF HIGHLAND PARK  
 HIGHLAND PARK, ILLINOIS

**EXISTING CONDITIONS AND SITE MANAGEMENT PLAN**

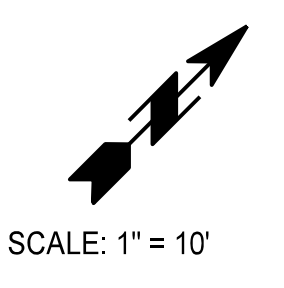
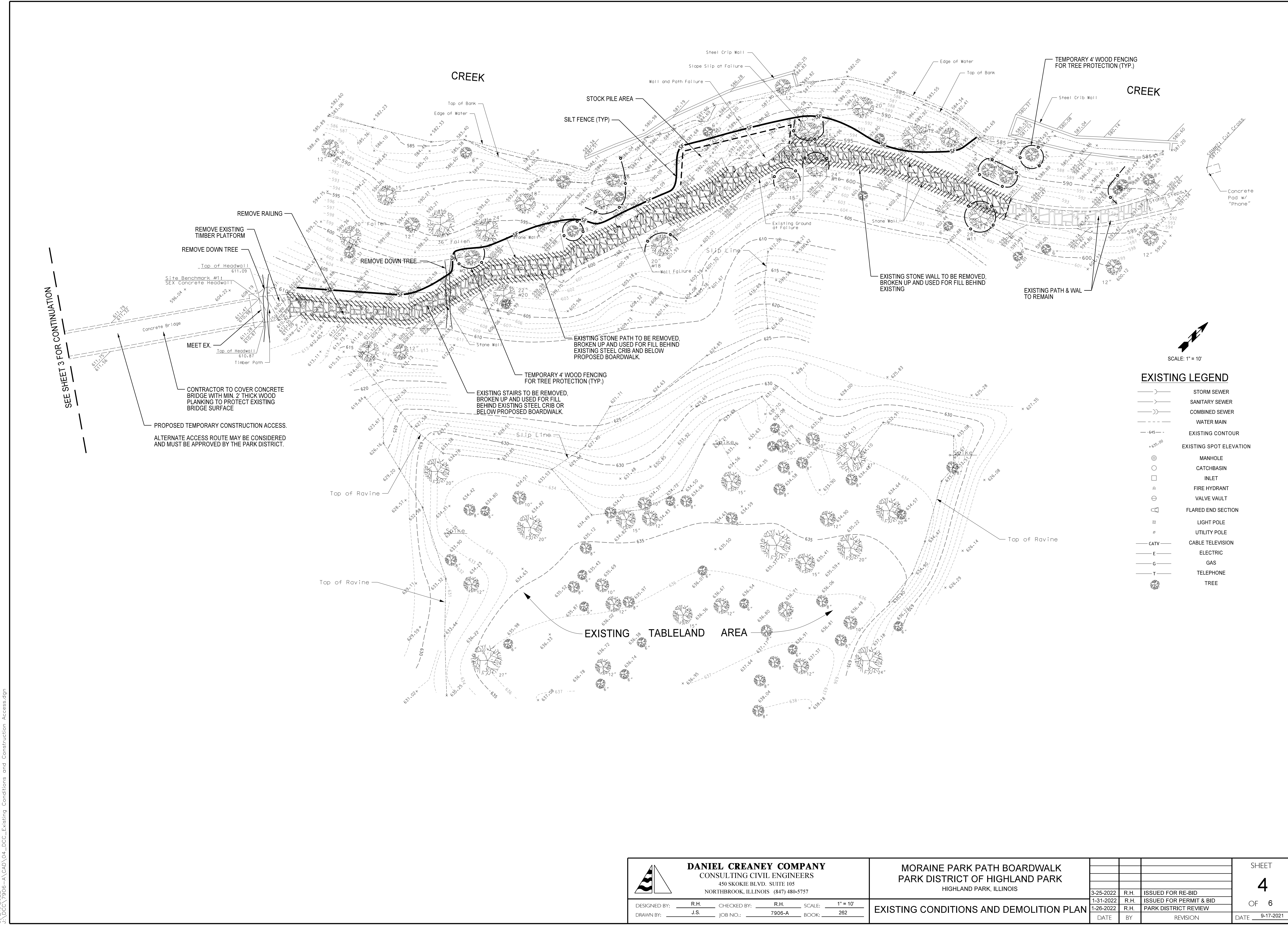
DATE	BY	REVISION
3-25-2022	R.H.	ISSUED FOR RE-BID
1-31-2022	R.H.	ISSUED FOR PERMIT & BID
1-28-2022	R.H.	PARK DISTRICT REVIEW

SHEET	3
OF	6
DATE	9-17-2021

3/24/2022 J:\DCC\7906-A\CAD\03\_DCC\_Existing Conditions and Construction Access.dgn

SEE SHEET 3 FOR CONTINUATION

REMOVE RAILING  
 REMOVE EXISTING  
 TIMBER PLATFORM  
 REMOVE DOWN TREE  
 Top of Headwall 611.09  
 Site Benchmark #1:  
 SEX Concrete Headwall  
 608.19  
 611.78  
 612.81  
 610.87  
 Timber Path  
 MEET EX.  
 Top of Headwall  
 610.87  
 CONTRACTOR TO COVER CONCRETE  
 BRIDGE WITH MIN. 2" THICK WOOD  
 PLANKING TO PROTECT EXISTING  
 BRIDGE SURFACE  
 PROPOSED TEMPORARY CONSTRUCTION ACCESS.  
 ALTERNATE ACCESS ROUTE MAY BE CONSIDERED  
 AND MUST BE APPROVED BY THE PARK DISTRICT.




SCALE: 1" = 10'

**EXISTING LEGEND**

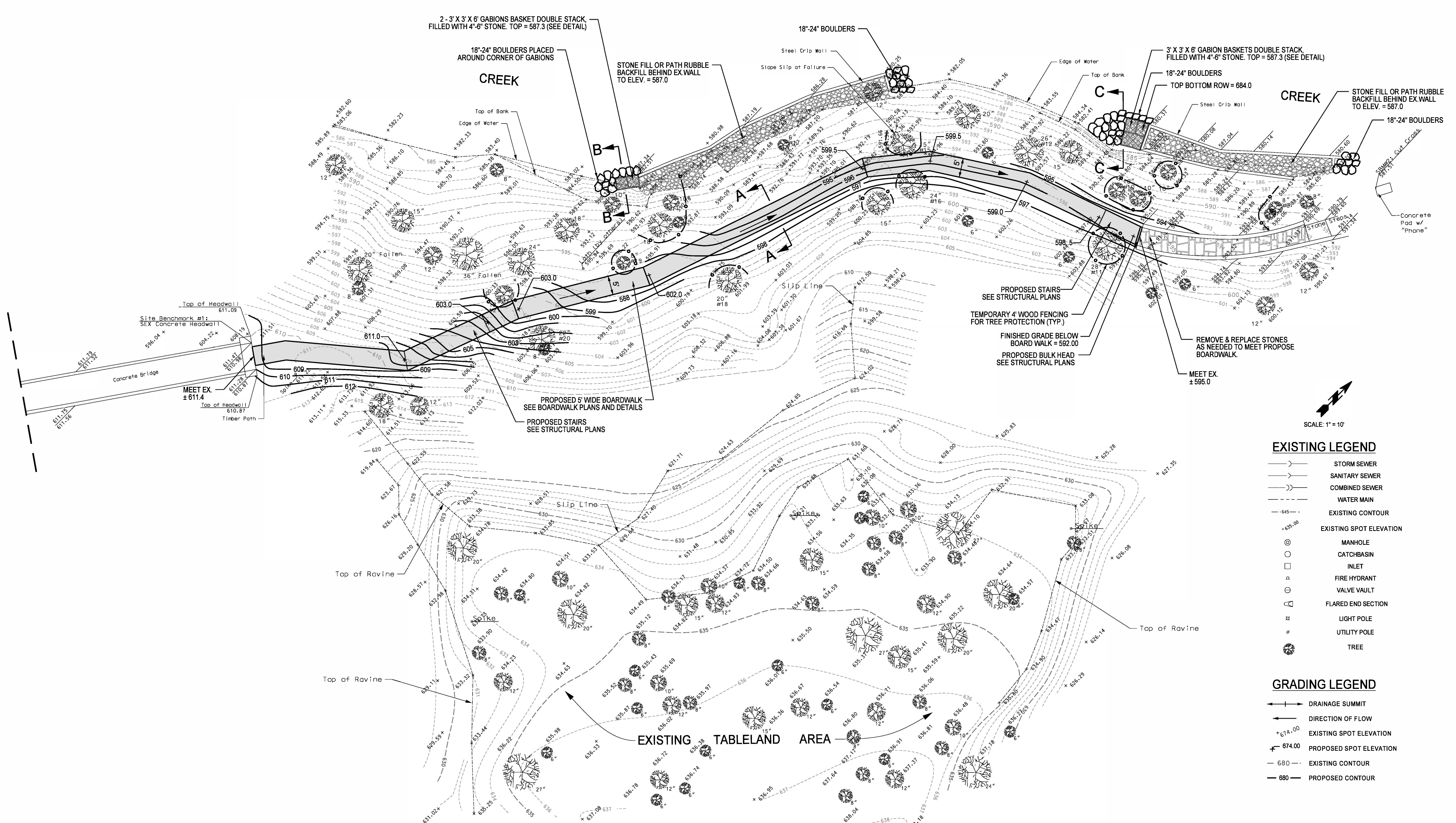
- >— STORM SEWER
- >— SANITARY SEWER
- >— COMBINED SEWER
- >— WATER MAIN
- - - - - EXISTING CONTOUR
- +645- EXISTING SPOT ELEVATION
- ⊙ MANHOLE
- CATCHBASIN
- INLET
- △ FIRE HYDRANT
- ⊕ VALVE VAULT
- ▽ FLARED END SECTION
- ⊗ LIGHT POLE
- UTILITY POLE
- CATV — CABLE TELEVISION
- E — ELECTRIC
- G — GAS
- T — TELEPHONE
- ⊙ TREE

3/24/2022  
 J:\DCC\7906-A\04\04\_DCC\_Existing Conditions and Construction Access.dgn

 <b>DANIEL CREANEY COMPANY</b> CONSULTING CIVIL ENGINEERS 450 SKOKIE BLVD. SUITE 105 NORTHBROOK, ILLINOIS (847) 480-5757	<b>MORaine PARK PATH BOARDWALK</b> PARK DISTRICT OF HIGHLAND PARK HIGHLAND PARK, ILLINOIS		SHEET <b>4</b> OF 6	
	DESIGNED BY: R.H. DRAWN BY: J.S.	CHECKED BY: R.H. JOB NO.: 7906-A	SCALE: 1" = 10' BOOK: 262	<b>EXISTING CONDITIONS AND DEMOLITION PLAN</b>
DATE: 3-25-2022	BY: R.H.	REVISION: ISSUED FOR RE-BID	DATE: 9-17-2021	
DATE: 1-31-2022	BY: R.H.	REVISION: ISSUED FOR PERMIT & BID	DATE: 9-17-2021	
DATE: 1-28-2022	BY: R.H.	REVISION: PARK DISTRICT REVIEW	DATE: 9-17-2021	

PROJECT NO. 7906-A

3/24/2022  
 J:\DCC\17906-A\GAD\05\_DCC\_Proposed Grading and Drainage Plan.dgn



SCALE: 1" = 10'

**EXISTING LEGEND**

- >— STORM SEWER
- >— SANITARY SEWER
- >— COMBINED SEWER
- >— WATER MAIN
- - - - - EXISTING CONTOUR
- + 635.00 EXISTING SPOT ELEVATION
- ⊙ MANHOLE
- ⊠ CATCHBASIN
- INLET
- ⊕ FIRE HYDRANT
- ⊕ VALVE VAULT
- ⊕ FLARED END SECTION
- ⊕ LIGHT POLE
- ⊕ UTILITY POLE
- ⊕ TREE

**GRADING LEGEND**

- +— DRAINAGE SUMMIT
- >— DIRECTION OF FLOW
- + 674.00 EXISTING SPOT ELEVATION
- + 674.00 PROPOSED SPOT ELEVATION
- - - - - EXISTING CONTOUR
- - - - - PROPOSED CONTOUR

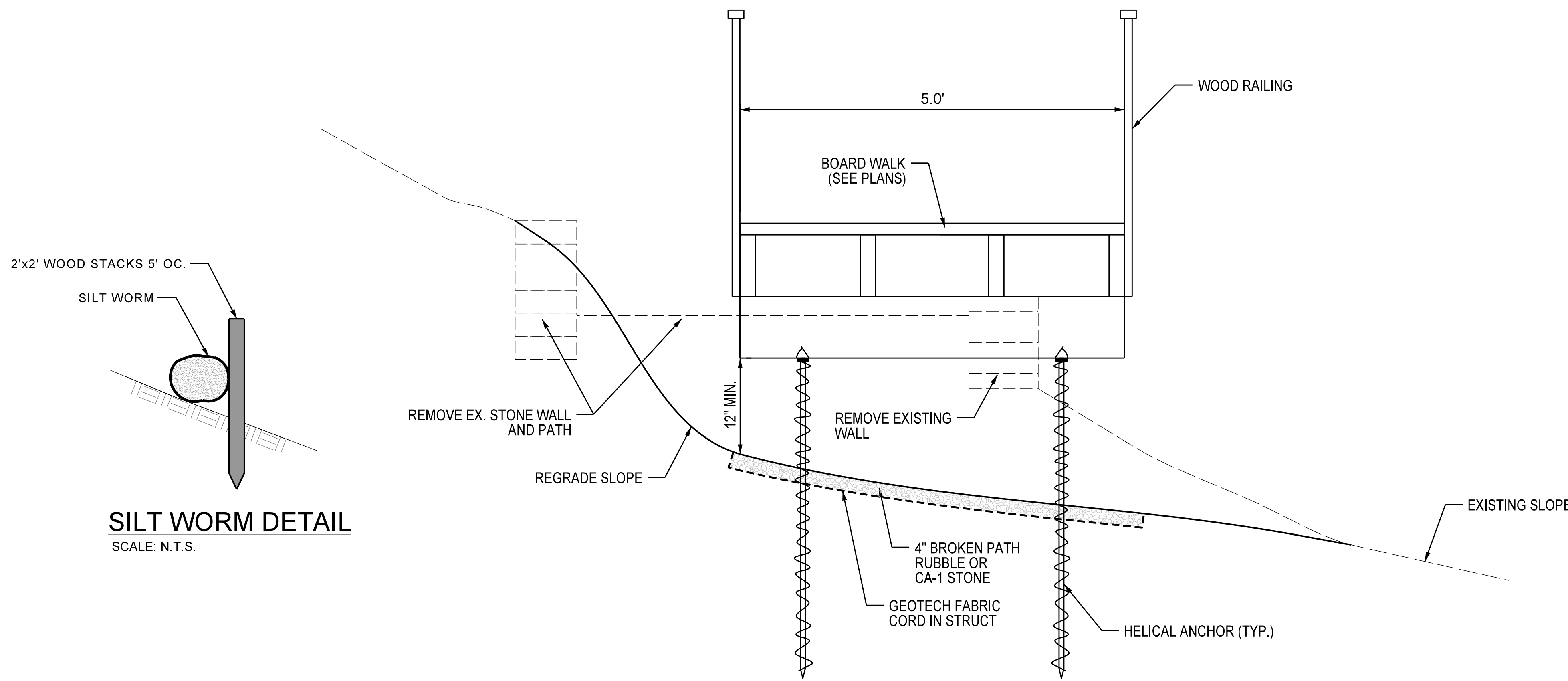
<p><b>DANIEL CREANEY COMPANY</b>          CONSULTING CIVIL ENGINEERS          450 SKOKIE BLVD. SUITE 105          NORTHBROOK, ILLINOIS (847) 480-5757</p>	<p><b>MORaine PARK PATH BOARDWALK</b>          PARK DISTRICT OF HIGHLAND PARK          HIGHLAND PARK, ILLINOIS</p>		SHEET <p style="font-size: 24pt;"><b>5</b></p> OF 6																
	DESIGNED BY: <u>R.H.</u> CHECKED BY: <u>R.H.</u> SCALE: <u>1" = 10'</u> DRAWN BY: <u>J.S.</u> P&B NO.: <u>7906-A</u> BOOK: <u>262</u>	<p><b>PROPOSED GRADING AND DRAINAGE PLAN</b></p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">3-25-2022</td> <td style="width: 15%;">R.H.</td> <td style="width: 60%;">ISSUED FOR RE-BID</td> <td style="width: 10%;"></td> </tr> <tr> <td>1-31-2022</td> <td>R.H.</td> <td>ISSUED FOR PERMIT &amp; BID</td> <td></td> </tr> <tr> <td>1-28-2022</td> <td>R.H.</td> <td>PARK DISTRICT REVIEW</td> <td></td> </tr> <tr> <td>DATE</td> <td>BY</td> <td>REVISION</td> <td>DATE</td> </tr> </table>	3-25-2022	R.H.	ISSUED FOR RE-BID		1-31-2022	R.H.	ISSUED FOR PERMIT & BID		1-28-2022	R.H.	PARK DISTRICT REVIEW		DATE	BY	REVISION
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DATE	BY	REVISION	DATE																



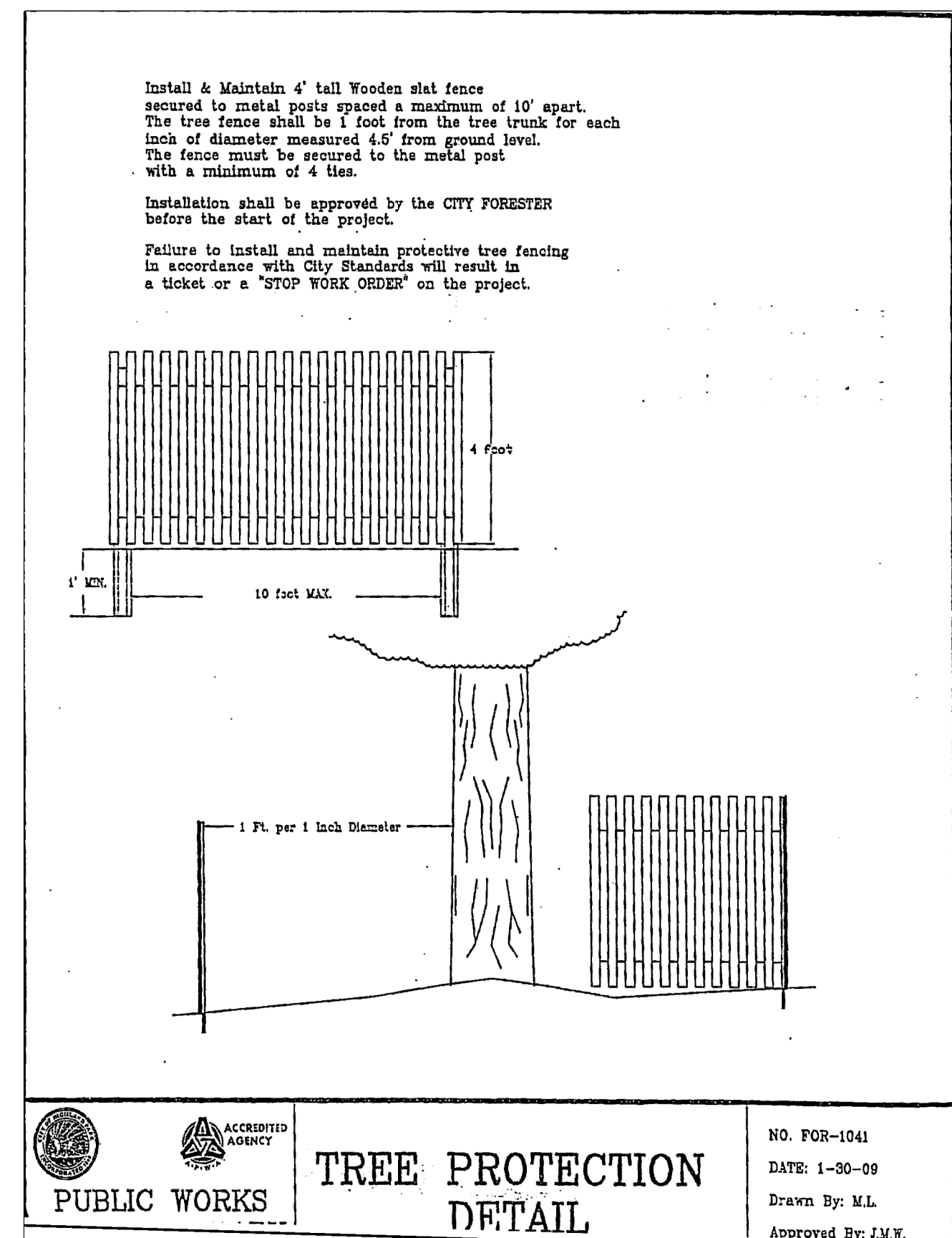
GENERAL NOTES/SPECIFICATIONS

- A. GENERAL
- EARTHWORK AND PAVING SPECIFICATIONS  
THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, AND ALL ADDENDA THERETO, SHALL GOVERN THE EARTHWORK AND PAVING WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THESE SPECIFICATIONS.
  - UNDERGROUND SPECIFICATIONS  
THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, SHALL GOVERN THE UNDERGROUND WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THESE SPECIFICATIONS.
  - WORK  
WORK SHALL MEAN THE FURNISHING OF ALL LABOR, MATERIAL, EQUIPMENT AND OTHER INCIDENTALS NECESSARY OR CONVENIENT TO THE SUCCESSFUL COMPLETION OF THE IMPROVEMENTS DESIGNED BY THE ENGINEER AND SHOWN ON THIS SET OF PLANS. WORK SHALL ALSO INCLUDE CARRYING OUT OF ALL THE DUTIES AND OBLIGATIONS IMPOSED BY THE AGREEMENT BETWEEN THE PARK DISTRICT OF HIGHLAND PARK AND THE CONTRACTOR FOR THE PROPER INSTALLATION AND ACCEPTANCE OF THE IMPROVEMENTS DESIGNED BY THE ENGINEER AND SHOWN ON THIS SET OF PLANS.
  - COMPLIANCE WITH LOCAL ORDINANCES  
ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE CITY OF HIGHLAND PARK'S ORDINANCES AND STANDARDS.
  - GUARANTEE  
ALL WORK PERFORMED BY THE CONTRACTOR AND/OR SUBCONTRACTOR UNDER THIS CONTRACT SHALL BE GUARANTEED TO THE CITY OF HIGHLAND PARK AND PARK DISTRICT OF HIGHLAND PARK BY EACH CONTRACTOR AND SUBCONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS AFTER FINAL ACCEPTANCE OF THE WORK AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE.
  - EXISTING UTILITIES  
WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION AND ELEVATIONS OF UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO LOCATION AND ELEVATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDERS. THE ENGINEER AND THE PARK DISTRICT OF HIGHLAND PARK ASSUME NO RESPONSIBILITY WHATEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION AND ELEVATION OF UTILITY FACILITIES, NOR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT IS EACH CONTRACTOR'S AND SUBCONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE ACTUAL LOCATION AND ELEVATION OF ALL UTILITIES. EACH CONTRACTOR AND SUBCONTRACTOR SHALL OBTAIN FROM ALL RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION AND ELEVATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.
- EACH CONTRACTOR AND SUBCONTRACTOR PERFORMING UNDERGROUND WORK SHALL CONTACT J.U.L.I.E. AT 1-800-892-0123 AT LEAST 48 HOURS PRIOR TO START OF WORK.
- SAFETY OF WORK  
EACH CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROCEDURES IN CONNECTION WITH THE WORK. EACH CONTRACTOR AND SUBCONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE THE NECESSARY PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO:
    - ALL EMPLOYEES ON THE WORK AND OTHER PERSONS AND ORGANIZATIONS WHO MAY BE AFFECTED THEREBY;
    - ALL THE WORK AND MATERIALS AND EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE; AND
    - OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAYS, STRUCTURES, UTILITIES AND UNDERGROUND FACILITIES NOT DESIGNATED FOR REMOVAL, RELOCATION OR REPLACEMENT IN THE COURSE OF CONSTRUCTION.
    - EACH CONTRACTOR AND SUBCONTRACTOR SHALL DESIGNATE A RESPONSIBLE REPRESENTATIVE AT THE SITE WHOSE DUTY SHALL BE THE PREVENTION OF ACCIDENTS. THIS PERSON SHALL BE THE CONTRACTOR'S SUPERINTENDENT OR OTHERWISE DESIGNATED IN WRITING BY THE CONTRACTOR TO PARK DISTRICT OF HIGHLAND PARK.
  - EXISTING ELEVATIONS AND LOCATIONS  
EVERY CONTRACTOR AND SUBCONTRACTOR SHALL VERIFY THE ELEVATIONS AND LOCATIONS OF ALL EXISTING INFORMATION AS SHOWN ON THE PLANS AND NOTIFY THE ENGINEER OF ALL DISCREPANCIES, IN WRITING, PRIOR TO THE COMMENCEMENT OF THE WORK.
- EXISTING UNDERGROUND UTILITIES SHALL BE EXPOSED BY THE CONTRACTORS AND SUBCONTRACTORS PRIOR TO THE START OF CONSTRUCTION TO DETERMINE IF A PROBLEM OR CONFLICT EXISTS WITH THE PROPOSED IMPROVEMENTS AND TO AVOID DELAYS IN THE PROGRESS OF THE WORK ONCE THE WORK COMMENCES.
- NOTIFICATION  
THE CITY OF HIGHLAND PARK'S ENGINEER SHALL BE NOTIFIED BY EVERY CONTRACTOR AND SUBCONTRACTOR AT LEAST TWO WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - COMPLIANCE WITH LAWS AND REGULATIONS  
EVERY CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE SAFETY LAWS, REGULATIONS AND ORDINANCES, AND FEDERAL SAFETY REGULATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS AND WITH ALL PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS. EACH CONTRACTOR AND SUBCONTRACTOR IS RESPONSIBLE FOR PROVIDING A SAFE WORKING PLACE FOR HIS EMPLOYEES. EACH CONTRACTOR AND SUBCONTRACTOR IS RESPONSIBLE FOR THE SUPERVISION, DIRECTION AND CONDUCT OF THEIR EMPLOYEES, AGENTS, MATERIAL SUPPLIERS AND VENDORS.
  - INDEMNIFY AND HOLD HARMLESS  
EVERY CONTRACTOR AND SUBCONTRACTOR, BY USING THESE PLANS FOR HIS WORK, AGREES TO INDEMNIFY AND HOLD HARMLESS THE PARK DISTRICT OF HIGHLAND PARK, THE CITY OF HIGHLAND PARK, DANIEL CREANEY COMPANY (THE ENGINEER), HIS EMPLOYEES AND AGENTS WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF THE CONTRACTOR'S OR SUBCONTRACTOR'S PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE PARK DISTRICT OF HIGHLAND PARK, HIS AGENTS, THE ENGINEER, HIS EMPLOYEES AND AGENTS.
- EVERY CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE ALL REQUIRED INSURANCE TO THE LIMITS REQUIRED BY THE PARK DISTRICT OF HIGHLAND PARK AND CITY OF HIGHLAND PARK PRIOR TO THE START OF CONSTRUCTION. BY USE OF THESE PLANS, EACH CONTRACTOR AND SUBCONTRACTOR AGREES TO NAME THE CITY OF HIGHLAND PARK, DANIEL CREANEY COMPANY, ITS EMPLOYEES AND AGENTS, AND THE PARK DISTRICT OF HIGHLAND PARK AS ADDITIONAL INSURED.
- TRAFFIC CONTROL  
TRAFFIC CONTROL SHALL BE USED WHEN NECESSARY AS DETERMINED BY THE CONTRACTOR AND SUBCONTRACTOR AND SHALL BE IN ACCORDANCE WITH THE CITY OF HIGHLAND PARK AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS. COST OF TRAFFIC CONTROL SHALL BE INCIDENTAL TO THE CONTRACT.
  - UTILITY TRENCHES  
ALL UTILITY TRENCHES UNDER AND WITHIN TWO FEET OF PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC., SHALL BE BACKFILLED WITH CA-6 CRUSHED STONE (GRADE 8 OR 9), COMPACTED IN 9" LIFTS TO 95% OF MODIFIED PROCTOR.
  - GRASS AREAS  
ALL GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY PLACING A MINIMUM 6" TOPSOIL, SEED AND EXCELSIOR BLANKET.
  - EXISTING RAVINE DRAINAGE  
EXISTING RAVINE DRAINAGE SHALL BE MAINTAINED DURING CONSTRUCTION. THE RAVINE SLOPE SHALL BE RESTORED BY GRADING TO UNIFORM SLOPE AND SEEDING.
  - PAVEMENT DISTURBED DURING CONSTRUCTION  
ANY EXISTING PAVEMENT DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF HIGHLAND PARK AND I.D.O.T. STANDARDS.

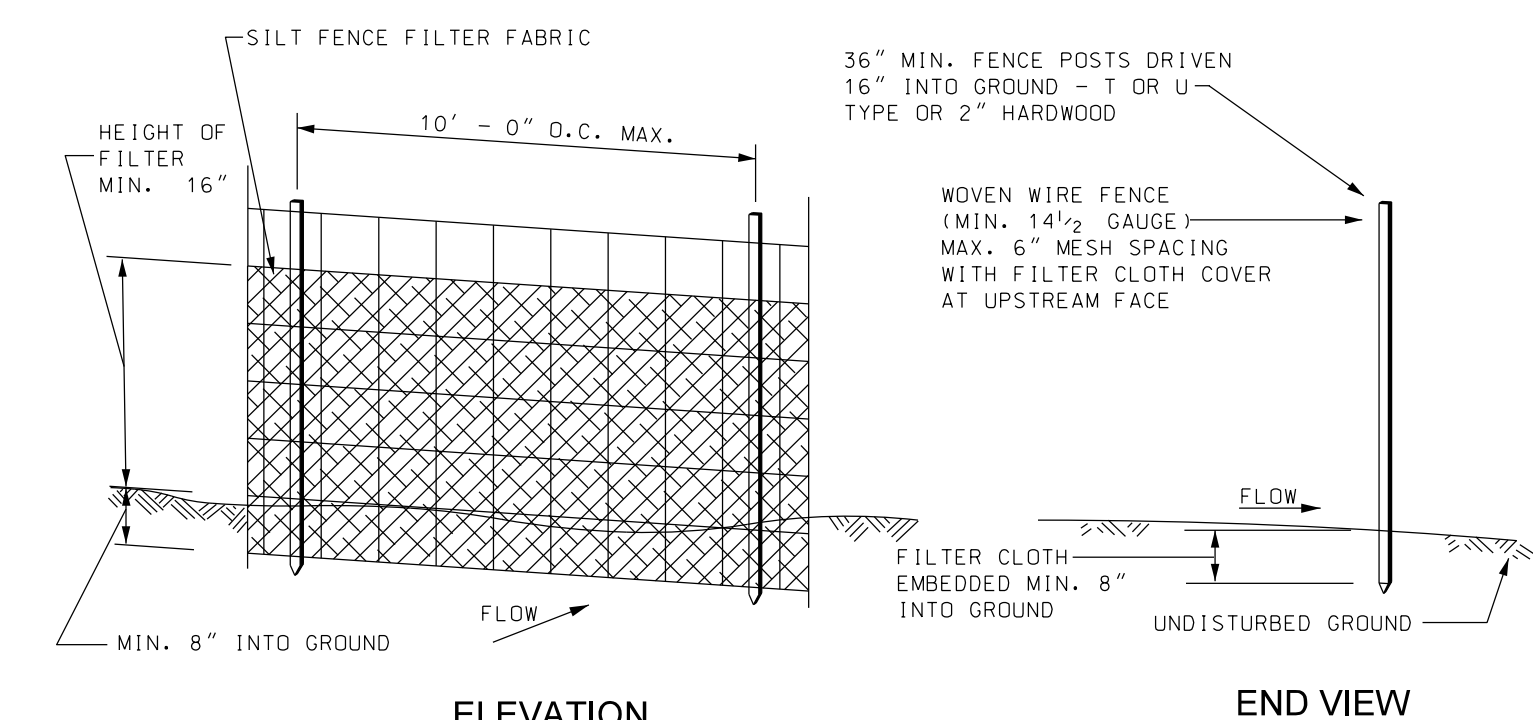
- EXISTING DRAIN TILE  
ALL EXISTING FIELD DRAINAGE TILE ENCOUNTERED OR DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SEWER SYSTEM.
  - ITEMS NOT SPECIFICALLY SHOWN  
ALL ITEMS THAT ARE NOT SPECIFICALLY SHOWN ON THE PLANS OR IN THE SUMMARY OF QUANTITIES BUT CAN REASONABLY BE INTERPRETED TO BE INCLUDED IN THE WORK DESCRIBED SHALL BE INCIDENTAL TO THE COST OF THE CONTRACT.
  - RECORD DRAWINGS  
EACH CONTRACTOR AND SUBCONTRACTOR SHALL MAINTAIN AND KEEP UP TO DATE A SET OF "RECORD DRAWINGS" SHOWING ALL CHANGES FROM THE ORIGINAL PLANS. ALL CONTRACTORS AND SUBCONTRACTORS SHALL DELIVER THE "RECORD DRAWINGS" TO THE ENGINEER AT THE CONCLUSION OF THE PROJECT.
  - SHEETING AND BRACING  
WHERE DETERMINED BY THE CONTRACTOR AND/OR SUBCONTRACTOR, SHEETING AND BRACING SHALL BE PLACED IN THE TRENCH AS MAY BE NECESSARY FOR THE SAFETY OF THE WORK AND PUBLIC. FOR THE PROTECTION OF THE WORKMEN, ADJACENT PROPERTIES, PAVEMENT OR STRUCTURES, AND FOR THE PROPER INSTALLATION OF THE WORK, IN ANY EVENT, THE MINIMUM PROTECTION SHALL CONFORM TO THE RECOMMENDATIONS IN O.S.H.A. SAFETY AND HEALTH STANDARDS FOR CONSTRUCTION.
  - NOTICE TO CONTRACTOR  
BEFORE BEGINNING CONSTRUCTION, EACH CONTRACTOR AND SUBCONTRACTOR MUST VERIFY THE LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE PLANS, THEY MUST IMMEDIATELY REPORT SAME TO ENGINEER BEFORE DOING ANY WORK. OTHERWISE THE CONTRACTOR AND SUBCONTRACTOR ASSUMES FULL RESPONSIBILITY.
  - CONTRACTOR(S)  
FOR THE PURPOSES OF THESE SPECIFICATIONS, THE TERMS CONTRACTOR AND SUBCONTRACTOR SHALL MEAN ANY PERSON OR ENTITY THAT PROVIDES WORK FOR THE IMPROVEMENTS AS SHOWN ON THESE PLANS. THE ENGINEER, PARK DISTRICT OF HIGHLAND PARK AND THE ARCHITECT ARE NOT CONSIDERED CONTRACTORS OR SUBCONTRACTORS.
- B. STORM SEWER
- ALL H.D.P.E. PIPE SHALL CONFORM TO TYPE III, CLASS B (OR BETTER) CATEGORY 5, GRADE P34 AS DEFINED IN ASTM D-1248 AND/OR D-3350 WITH CELL CLASSIFICATION PE395434C, OR HIGHER. THE JOINING METHOD SHALL CONFORM TO ASTM D-2657.
  - ALL P.V.C. STORM SEWER SHALL BE POLYVINYL CHLORIDE PIPE, SDR-26, CONFORMING TO ASTM D-3034 WITH GASKET JOINTS CONFORMING TO ASTM D-3212.
  - ALL AREA DRAINS SHALL BE NYLOPLAST BASINS AND SHALL BE CONSTRUCTED AND INSTALLED TO THE MANUFACTURER'S SPECIFICATIONS AND WITH THE PROPER FITTINGS AT THE PIPE CONNECTION POINTS. ALL BASINS AND GRATES SHALL BE RATED FOR H-20 TRAFFIC LOADING IN PAVEMENT AND TRAFFIC AREAS AND H-10 TRAFFIC LOADING IN LAWN AREAS.
- C. EARTHWORK
- EARTHWORK UNDER THIS CONTRACT WILL INCLUDE, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
    - INSTALL ALL EROSION CONTROL MEASURES AS REQUIRED.
    - PROTECTION OF CERTAIN TREES, AS DIRECTED BY THE PARK DISTRICT OF HIGHLAND PARK.
    - DEMOLITION & REMOVAL OF EXISTING STONE PATH & WALLS AND STOCKPILE FOR LATER USE.
    - REGRADE OF SLOPE ADJACENT & BELOW PROPOSED BOARDWALK.
    - CLAY EXCAVATION, PLACEMENT AND COMPACTION AS NECESSARY TO OBTAIN DESIGN ELEVATIONS FOR RAVINE SLOPE AREAS.
    - REMOVAL OF ALL EXCESS MATERIALS FROM THE SITE LEAVING SUFFICIENT TOPSOIL FOR LANDSCAPING, INCLUDING BERMS.
  - ALL WORK SHALL CONFORM TO THE APPLICABLE PROVISIONS OF SECTION 200 OF THE STANDARD SPECIFICATIONS.
- D. SOIL EROSION CONTROL
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATION.
  - CONTRACTOR AND SUBCONTRACTOR SHALL INSPECT THE SILT WORM FILTERS, AND SILT FENCING PERIODICALLY AND MAINTAIN OR REPLACE AS NECESSARY.
  - ALL OTHER SOIL EROSION CONTROL DEVICES AND MEASURES DEEMED NECESSARY BY THE CITY ENGINEER SHALL BE IMPLEMENTED IMMEDIATELY UPON NOTIFICATION OF THE CONTRACTOR AND SUBCONTRACTOR.
  - THE EARTHWORK CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE REQUIREMENTS AS SHOWN ON THE PLANS AND ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL ORDINANCES. THE COST OF ALL WORK NECESSARY TO MEET THESE REQUIREMENTS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT, UNLESS A SEPARATE PAY ITEM IS SHOWN.
- E. RESTORATION AND TREE PRESERVATION
- ALL OFF-SITE AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY SEEDING, EXCEPT WHERE SOD IS SPECIFICALLY INDICATED ON THE PLANS.
  - DISTURBED AREAS ON THE RAVINE SLOPE SHALL BE RESTORED WITH LAKE MICHIGAN BLUFF NATIVE SPECIES PER MIX 26 NATIVE SEEDS PER SQUARE FOOT: 300 NATIVE FOE NE ILLINOIS 23.34 NATIVE FOE ILLINOIS 21.18 NATIVE MEAN C VALUE NE ILLINOIS 4.58 NATIVE MEAN C VALUE ILLINOIS 4.15 MEAN W VALUE NE ILLINOIS 2.92 MEAN W VALUE ILLINOIS 2 - GENESIS NURSERY - HOME.
  - SEEDING SHALL INCLUDE A MINIMUM OF 6 INCHES OF TOPSOIL AND SHALL BE DONE IN CONFORMANCE WITH SECTION 250 OF I.D.O.T. STANDARD SPECIFICATIONS FOR CLASS 1 SEEDING.
  - SODDING SHALL INCLUDE A MINIMUM OF 6 INCHES OF TOPSOIL AND SHALL BE DONE IN CONFORMANCE WITH SECTION 252 OF I.D.O.T. STANDARDS.
  - CERTAIN TREES WILL BE DESIGNATED BY THE PARK DISTRICT OF HIGHLAND PARK TO BE PRESERVED. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO SUCH TREES AND SHALL PROVIDE TEMPORARY FENCES AND OTHER MEASURES, AS NECESSARY, WITH ALL MEASURES CONSIDERED AS INCIDENTAL TO THE CONTRACT.
  - ALL DISTURBED LAWN AREAS WITHIN THE PUBLIC RIGHT-OF-WAY/ EASEMENTS WILL BE RESTORED WITH 6" OF TOPSOIL AND SOD AND ALL DAMAGED PORTIONS OF PUBLIC SIDEWALK ARE TO BE REPLACED WITH 5" P.C.C., CLASS S1 OVER A 3" CA-6 BASE.



**SILT WORM DETAIL**  
SCALE: N.T.S.

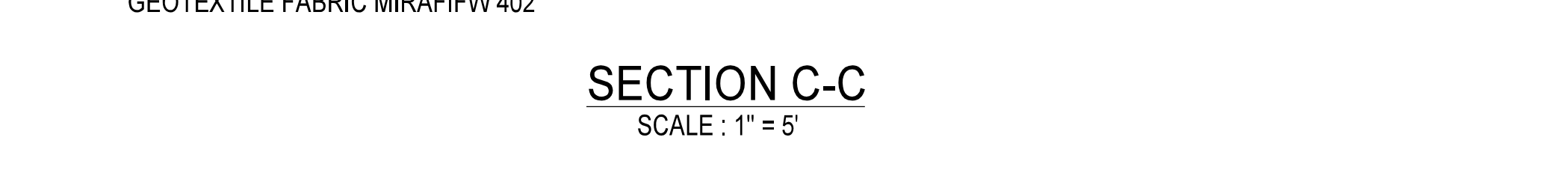
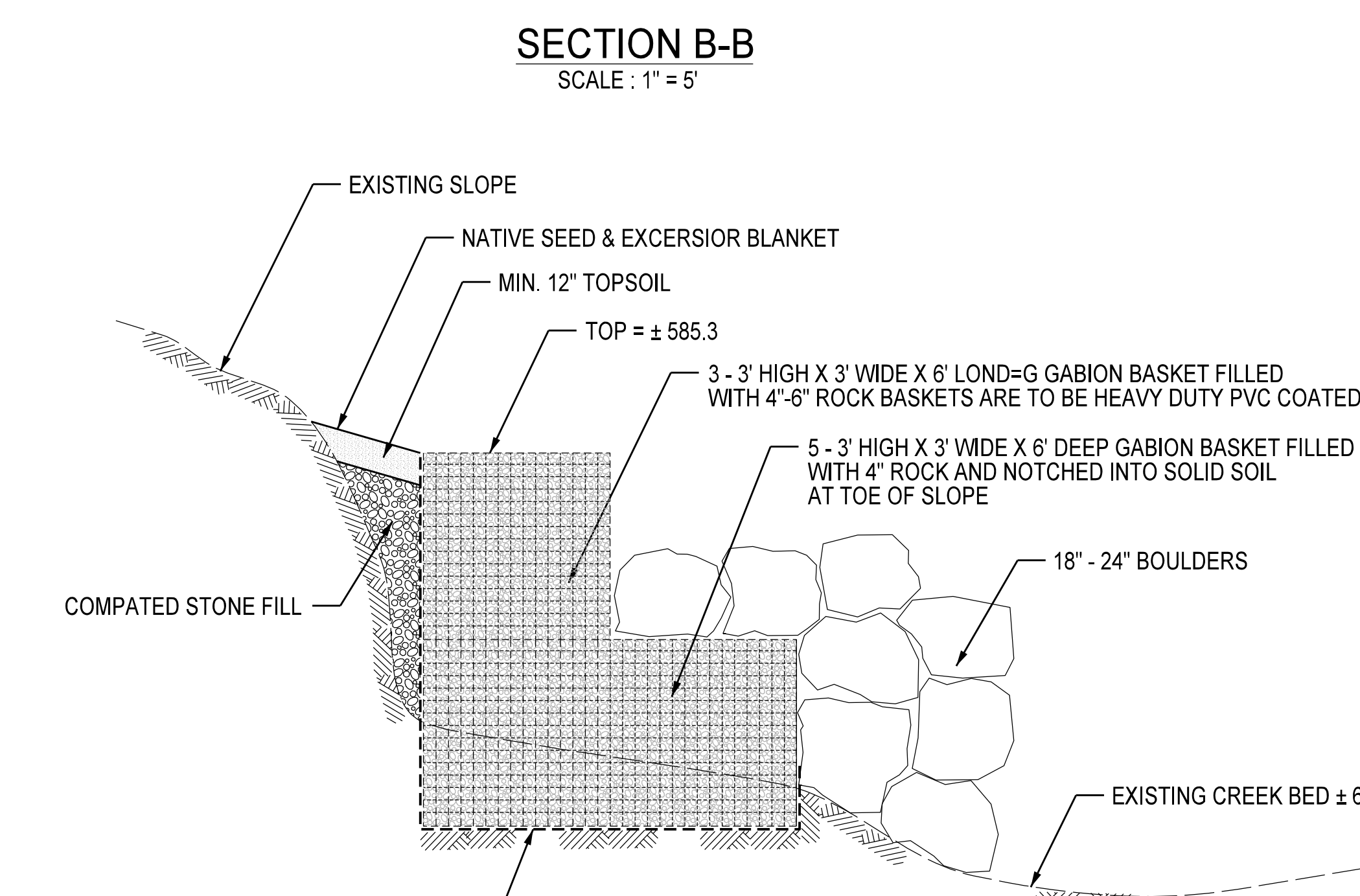
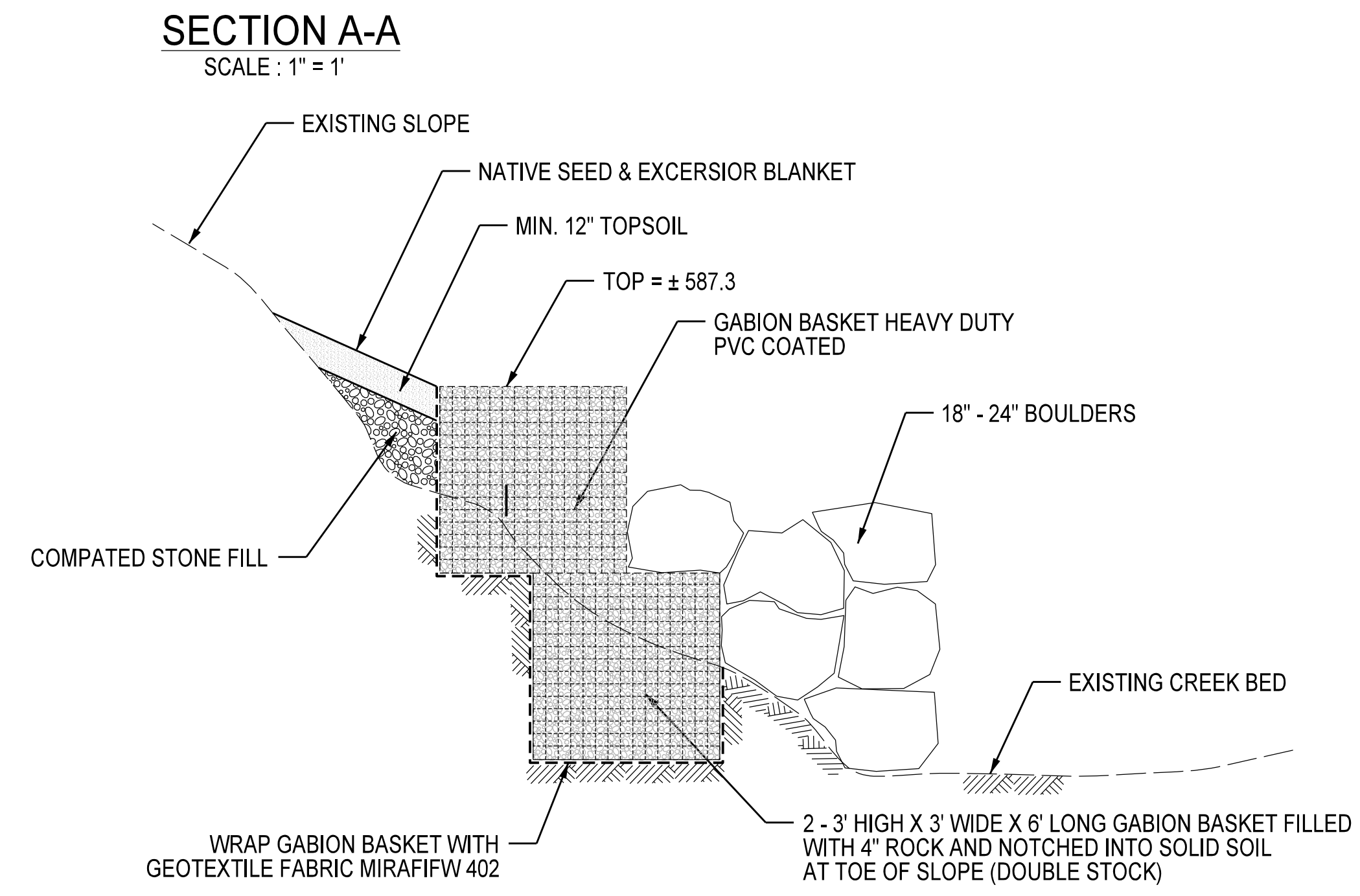


**TREE PROTECTION DETAIL**  
NO. FOR-1041  
DATE: 1-30-09  
DRAWN BY: M.L.  
APPROVED BY: J.M.F.



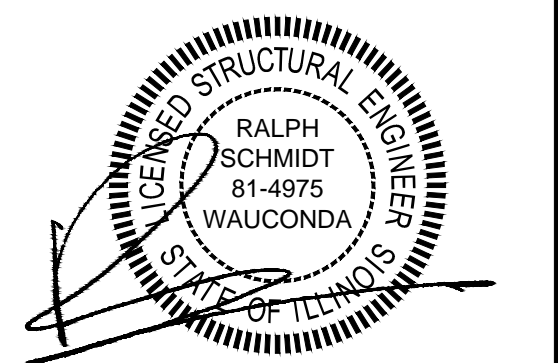
**SILT FENCE DETAIL**

CONSTRUCTION NOTES:  
1. WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.  
2. FILTER CLOTH SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.  
3. WHERE 2 SECTIONS OF FILTER CLOTH ADJOIN, EACH OTHER THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED.  
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.  
5. PREPARE UTILITY LOGS BY ENVIRONMENTALIST.



<p><b>DANIEL CREANEY COMPANY</b> CONSULTING CIVIL ENGINEERS 450 SKOKIE BLVD., SUITE 105 NORTHBROOK, ILLINOIS (847) 480-5757</p>	<p><b>MORaine PARK PATH BOARDWALK</b> PARK DISTRICT OF HIGHLAND PARK HIGHLAND PARK, ILLINOIS</p>		<p>SHEET <b>6</b> OF 6</p>
	<p><b>DETAILS AND NOTES</b></p>		
<p>DESIGNED BY: <u>R.H.</u> CHECKED BY: <u>R.H.</u> SCALE: <u>1" = 10'</u> DRAWN BY: <u>J.S.</u> JOB NO.: <u>7906-A</u> BOOK: <u>262</u></p>	<p>DATE BY REVISION DATE</p>		<p>DATE <u>9-17-2021</u></p>

3/24/2022 J:\DCC\7906-A\CA\06-DCC\_Details.dgn



RALPH SCHMIDT, P.E., S.E.  
LICENSED STRUCTURAL ENGINEER  
ILLINOIS NO. 81-4975  
EXP. DATE: 11-30-22

NO	DATE	ISSUED
---	10/15/21	FOR REVIEW
---	10/27/21	REV LOC. PER CIVIL
---	12/9/21	ADD DETAILS
---	1/6/22	ADD RAILINGS
---	1/31/22	FOR PERMIT AND BID
---	3/23/22	ISSUED FOR REBID

TITLE  
**PLAN AND NOTES**

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SHEET  
**S1.1**  
121258

HELICAL PILE LOG				
EQUIPMENT: (NOTE: CONTRACTOR TO SUBMIT MFR DATA FOR HELICAL PILES)				
No.	DEPTH (FT)	TORQUE (FT-LB)	LOAD (KIPS)	REMARKS
P-1				
P-2				
P-3				
P-4				
P-5				
P-6				
P-7				
P-8				
P-9				
P-10				
P-11				
P-12				
P-13				
P-14				
P-15				
P-16				
P-17				
P-18				
P-19				
P-20				
P-21				
P-22				
P-23				
P-24				
P-25				
P-26				
P-27				
P-28				
P-29				
P-30				
P-31				
P-32				
P-33				
P-34				
P-35				
P-36				
P-37				
P-38				
P-39				
P-40				
P-41				
P-42				
P-43				
P-44				
P-45				
P-46				
P-47				
P-48				
P-49				
P-50				

TIEBACK INSTALLATION LOG			
EQUIPMENT:			
No.	LENGTH	TORQUE (FT. LBS)	REMARKS
T-1			
T-2			
T-3			
T-4			
T-5			
T-6			
T-7			
T-8			
T-9			
T-10			
T-11			
T-12			
T-13			
T-14			
T-15			
T-16			
T-17			
T-18			
T-19			
T-20			
T-21			
T-22			
T-23			
T-24			
T-25			

**NOTES:**

**GENERAL:**

- This project has been designed in accordance with the International Building Code, (IBC 2018). All materials and construction shall comply with the requirements of local codes and ordinances.
- Do not scale drawings. Contractor(s) shall verify all dimensions prior to construction. Should any discrepancies be found between any of the construction documents and/or should field conditions encountered differ, notify the engineer.
- The contractor shall have sole responsibility for the means, methods and safety procedures used to perform the work, including OSHA regulations.
- Contractor shall attend pre-construction and/or progress meetings at owners request. Contractor shall also have a superintendent or qualified representative and a set of plans on site during all work.
- Owner reserves the right to hire an independent testing and/or inspection agency(s). Contractor shall cooperate with owner's representatives.
- Contractor shall maintain a set of as-built construction drawings to be provided upon request.
- Contractor shall be responsible for repairing any damage to existing construction and/or site improvements.

**DESIGN LOADS:**

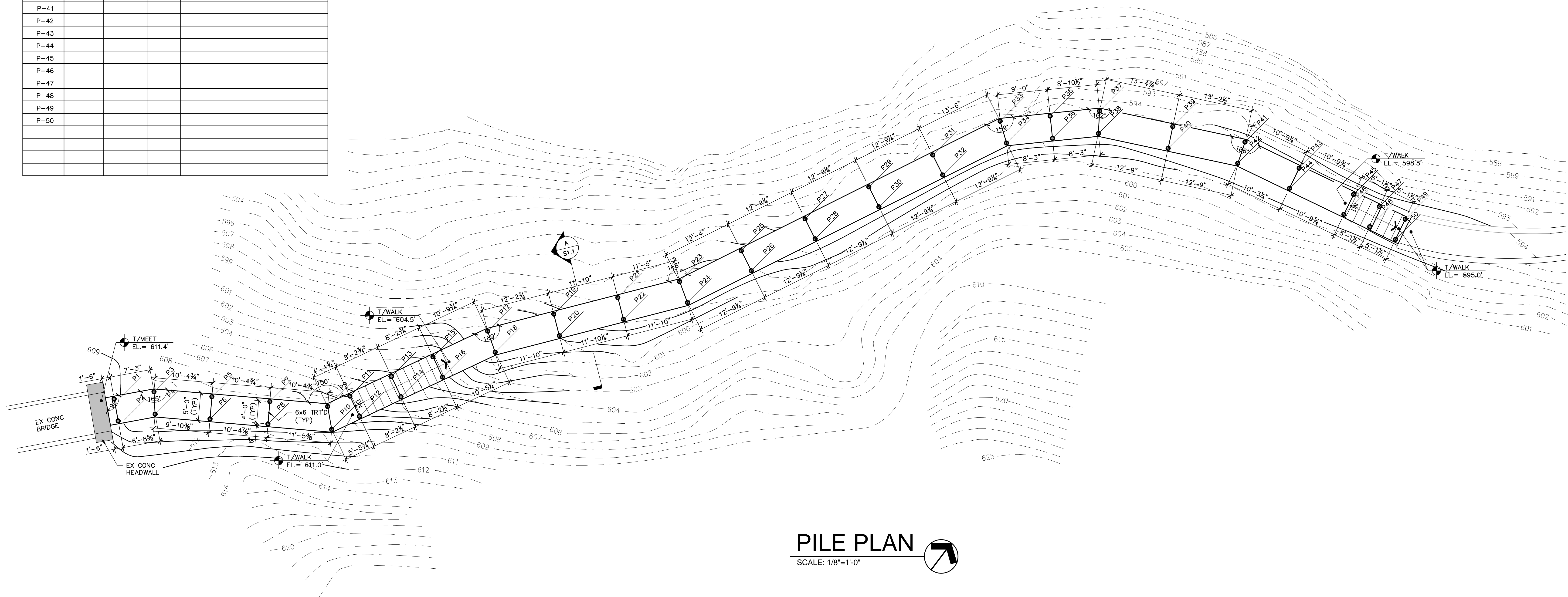
	Live Load, LL	Dead Load, DL
Walkway	100 PSF	20 PSF
Handrail	200 lbs	--

**HELICAL PILES:**

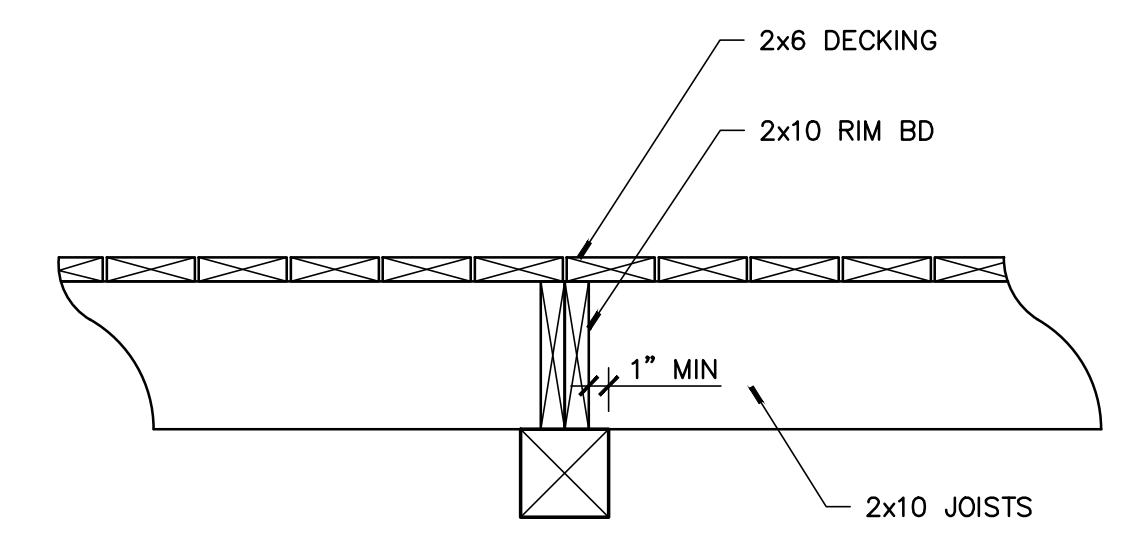
- Helical piles anchors shall be installed in accordance with the manufacturer's guidelines. Contractor shall submit test data, and a sample for the type of piles to be used (ie; shaft diameter, plate diameter, number of plates, etc.) along with the attachment bracket assemblies that indicate the allowable loads.
- The contractor shall have experience with the helical pile system to be used and have the proper and necessary equipment and materials needed for installation. General contractor/owner shall be responsible for pile layout.
- All steel material shall be hot dipped galvanized in accordance with ASTM A153.
- The contractor shall identify the equipment to be used to install the piles including a torque measuring/load indicating device with a recent certificate of calibration.
- An installation record shall be submitted that indicates the pile number, type, length, final torque/pressure, equivalent load value, and any remarks about unusual conditions encountered.

**WOOD/TIMBER FRAMING:**

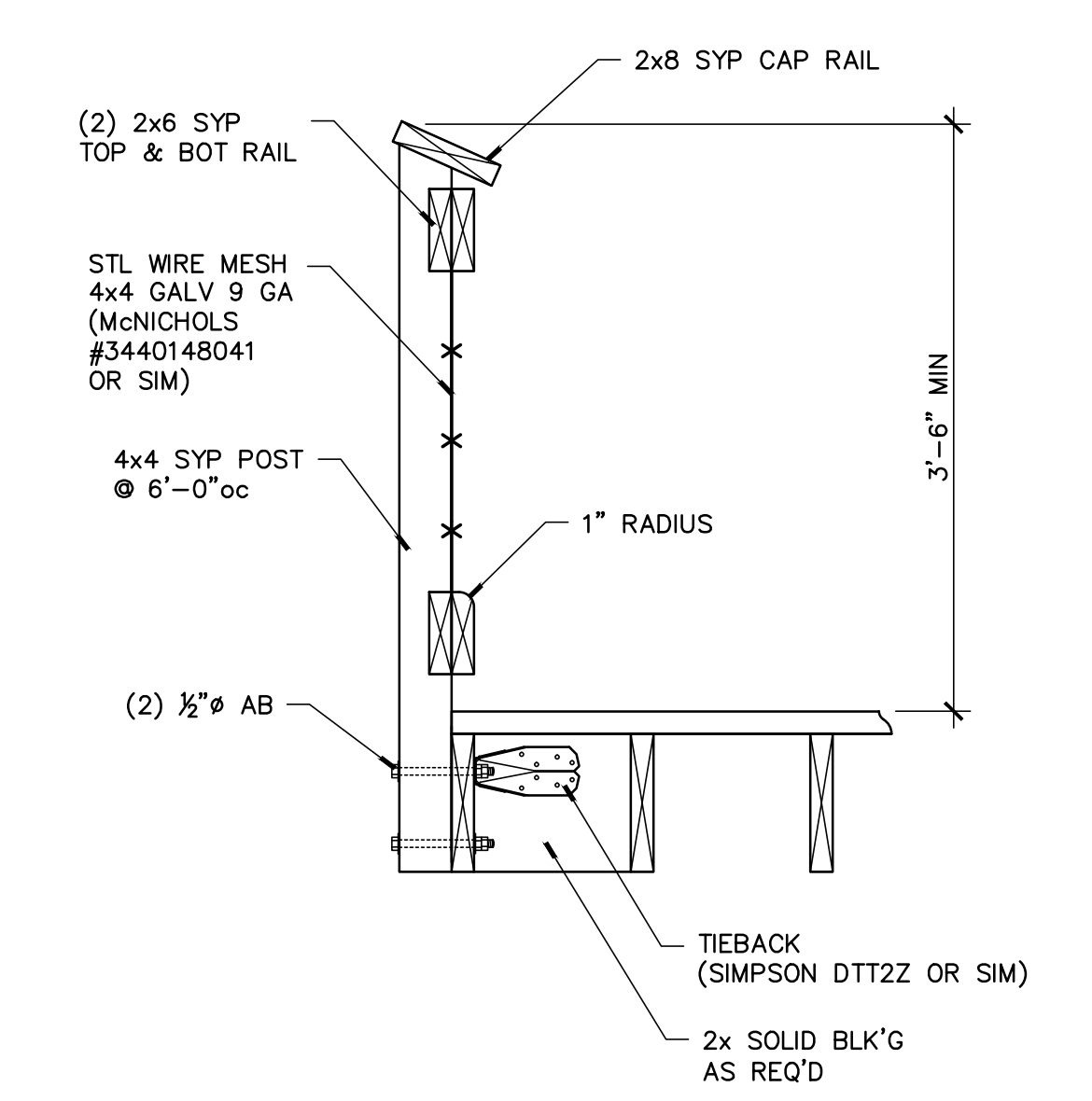
- All wood construction shall be in accordance with the "National Design Specification for Wood Construction" (NDS) and/or the "American Institute of Timber Construction" (AITC-APA).
- Dimensional lumber shall be milled and graded in accordance with American Lumber Standards (ALS). Grade and species shall be as follows:  
Joists, rafters DF or HF #2 & btr.  
Wall studs SPF stud grade  
Exterior framing Treated SYP #2 & btr.
- Framing members shall not be notched, drilled, or over-cut in such a manner that the structural strength is reduced. Rimboards, headers, and beams shall not be spliced over openings. Damaged members shall be replaced or repaired.
- Contractor shall provide blocking/bridging and backing as required.
- Wood in contact with the ground, concrete/masonry or exposed to the weather shall be treated in accordance with AWWA standards and/or be moisture resistant species (cedar, redwood, etc.) unless noted otherwise.
- Fastening shall be in accordance with the IBC standard schedule (table R602.3(1)). Metal joist hangers shall be as manufactured by Simpson or equal. All metal connection hardware shall be galvanized. Bolts shall be ASTM A-307 installed hand tight.
- Prefabricated assemblies (trusses, walls, etc.) shall be lifted in a manner to prevent damage or distortion.



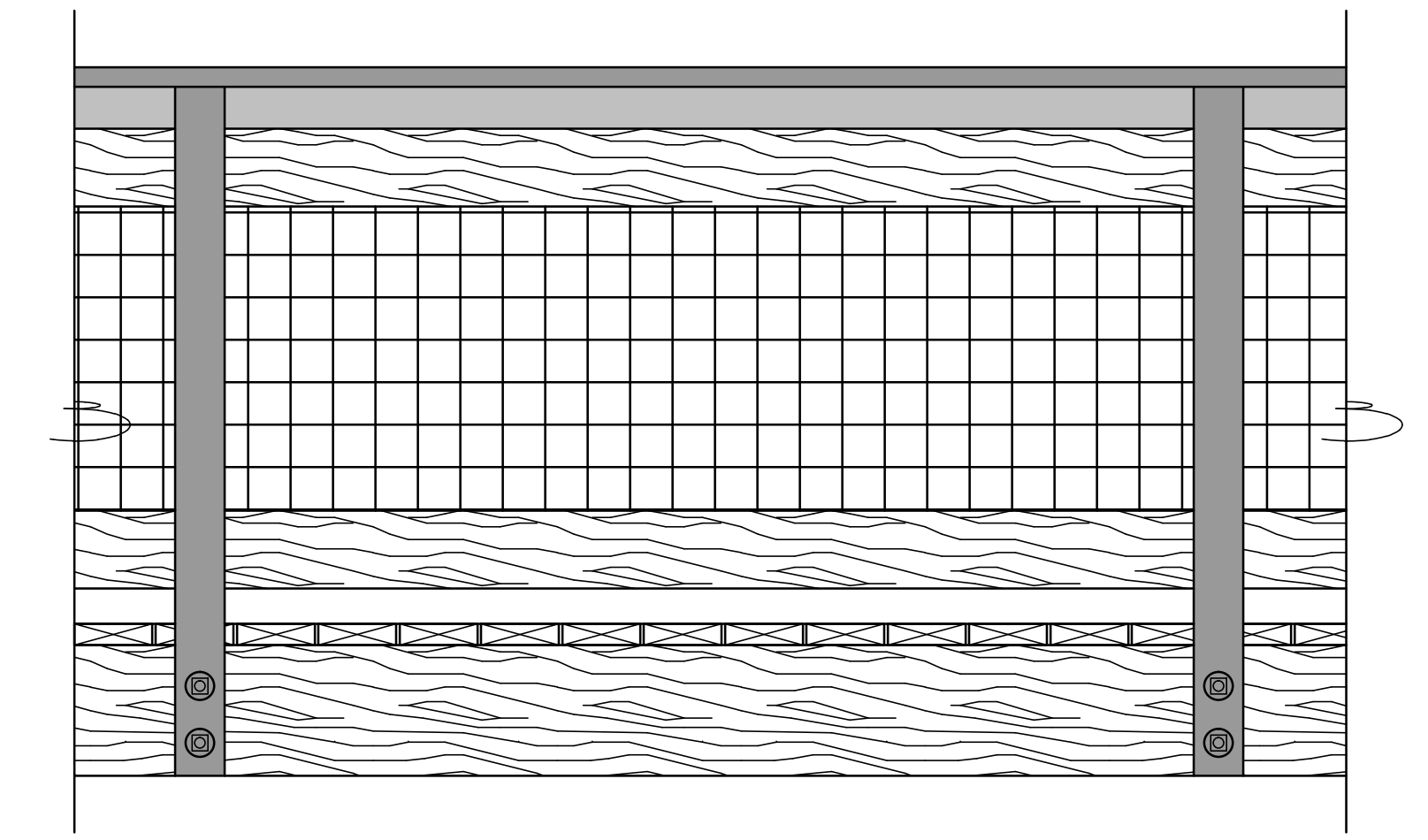
**PILE PLAN**  
SCALE: 1/8"=1'-0"



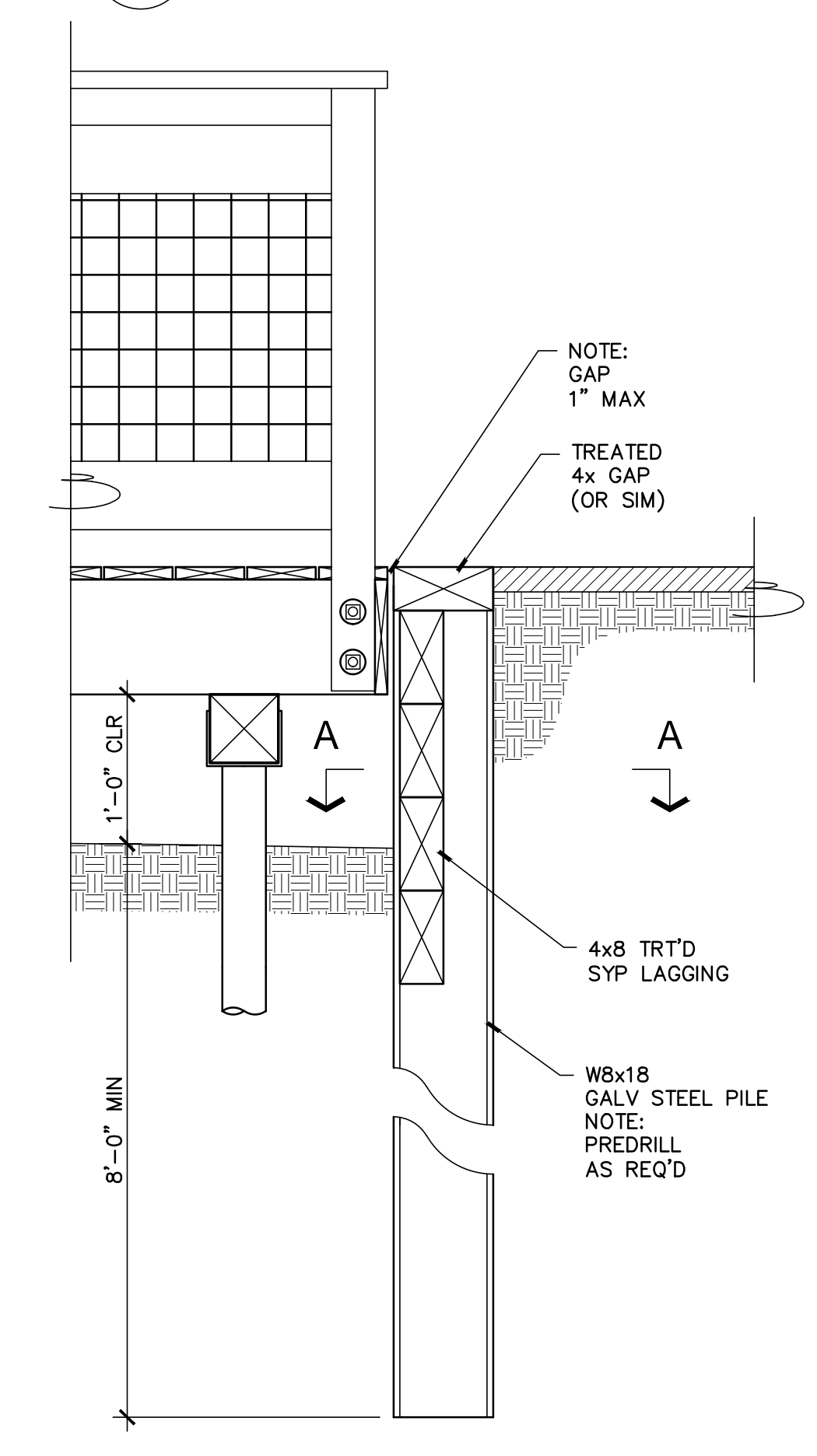
**1** **DETAIL**  
SCALE: 1"=1'-0"



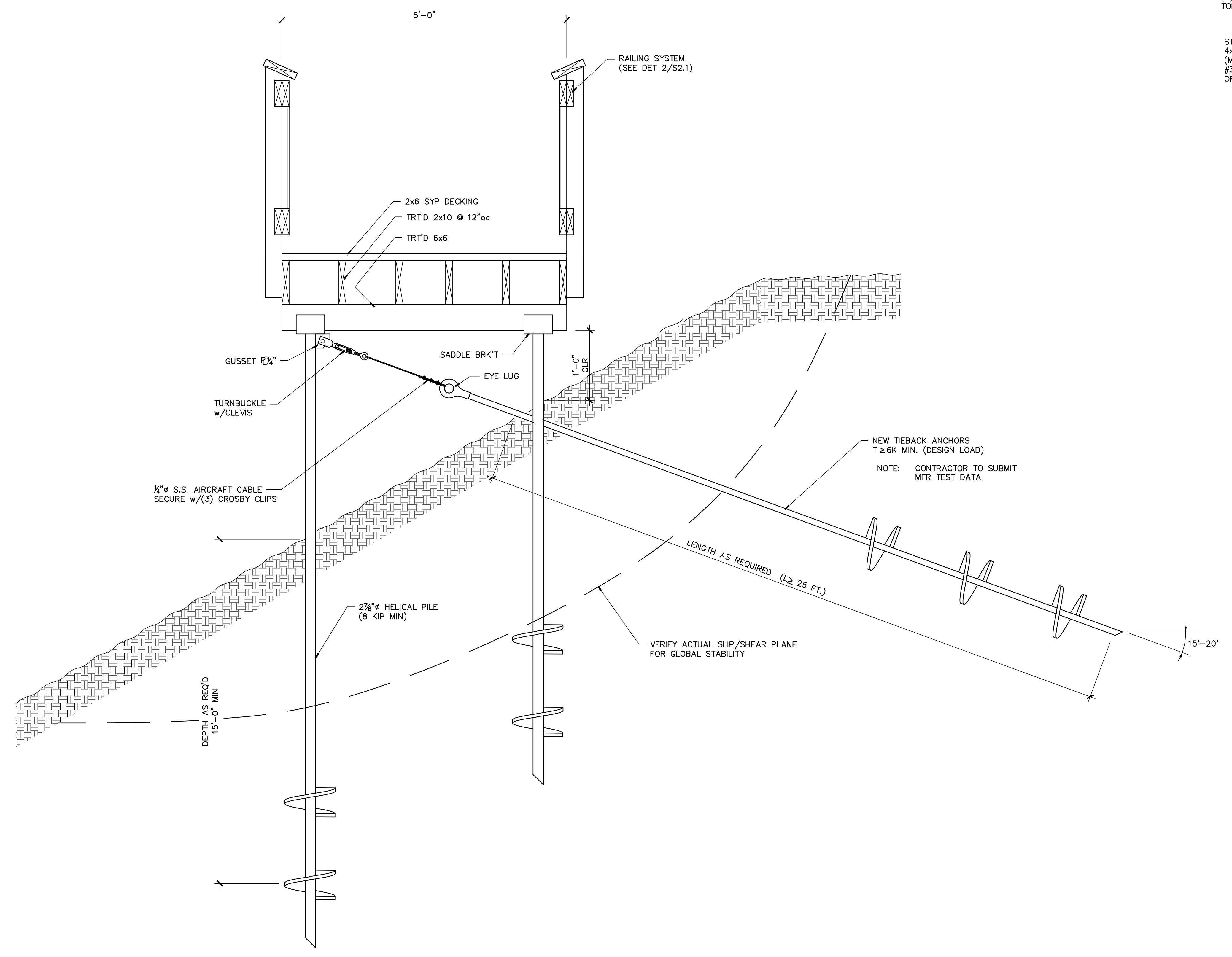
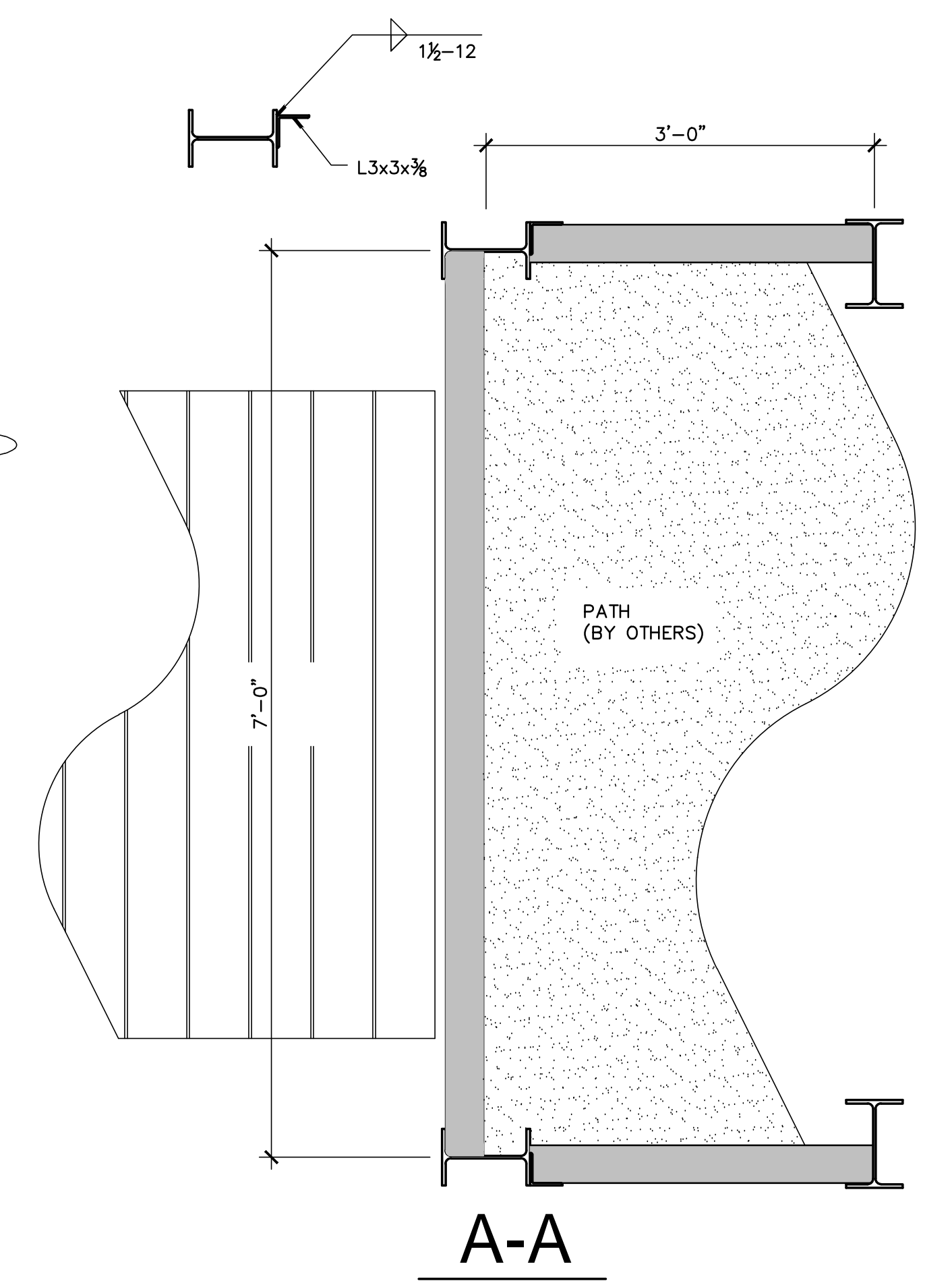
**2** **DETAIL**  
SCALE: 1"=1'-0"



**ELEVATION**

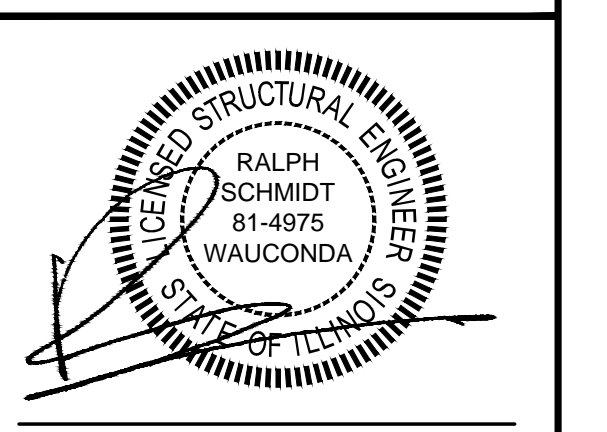


**3** **DETAIL**  
SCALE: 1"=1'-0"



**A** **DETAIL**  
SCALE: 1"=1'-0"

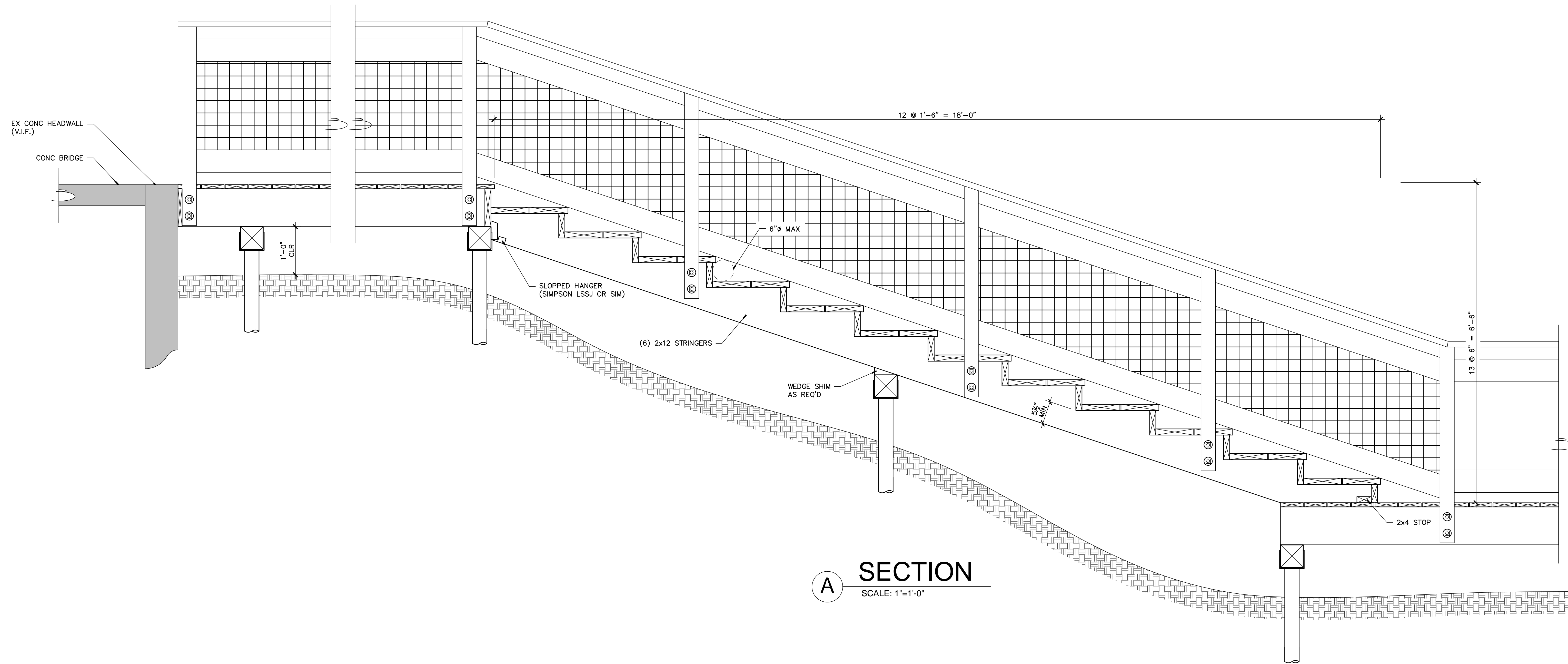
**MORaine PARK PATH BOARDWALK**  
**PARK DISTRICT OF HIGHLAND PARK**  
**2501 SHERIDAN RD.**  
**HIGHLAND PARK, IL**



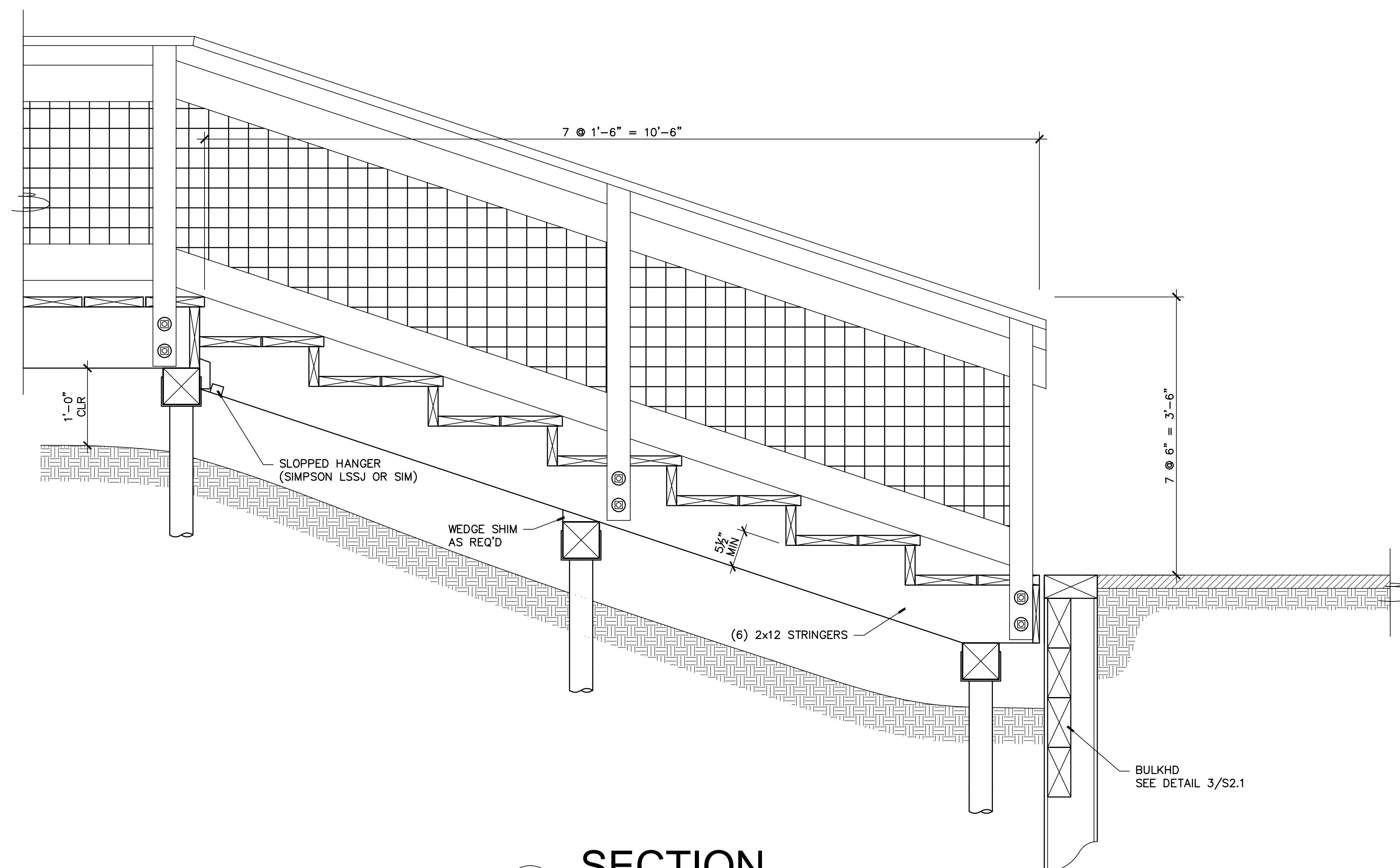
RALPH SCHMIDT, P.E., S.E.  
LICENSED STRUCTURAL ENGINEER  
ILLINOIS NO. 81-4975  
EXP. DATE: 11-30-22

NO	DATE	ISSUED
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---	12/9/21	ADD DETAILS
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---	3/23/22	ISSUED FOR REBID

TITLE  
**SECTION AND DETAILS**

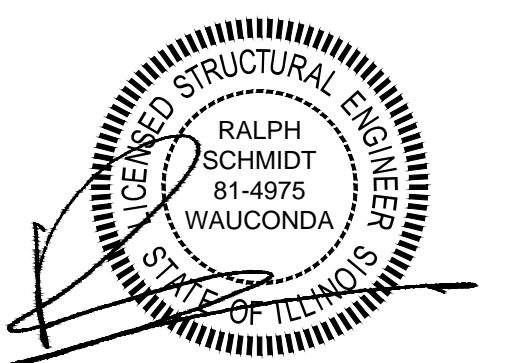


**A SECTION**  
SCALE: 1"=1'-0"



**B SECTION**  
SCALE: 1"=1'-0"

**MORaine PARK PATH BOARDWALK**  
**PARK DISTRICT OF HIGHLAND PARK**  
**2501 SHERIDAN RD.**  
**HIGHLAND PARK, IL**



RALPH SCHMIDT, P.E., S.E.  
LICENSED STRUCTURAL ENGINEER  
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TITLE  
**STAIR SECTIONS**

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SHEET  
**S2.2**  
121258

*Park District of Highland Park*  
**2022 Moraine Park Path Improvements**

**SUPPLEMENTAL DOCUMENTS**

<b>Title</b>	<b>Date</b>
Subsurface Exploration and Geotechnical Engineering Recommendations Regarding Renovation of the Moraine Park Walkway	2-12-2020
Load Analysis of Moraine Park Bridge	11-05-21



350 PFINGSTEN ROAD, SUITE 106  
NORTHBROOK, ILLINOIS 60062  
TELEPHONE: 847-559-0085  
FAX: 847-559-0181

February 14, 2020

Mr. Daniel Creaney  
Daniel Creaney Company  
450 Skokie Boulevard, Suite 105  
Northbrook, Illinois 60602

*RE: Subsurface Exploration And Geotechnical Engineering Recommendations Regarding Renovation Of The Moraine Park Walkway In Highland Park, Illinois– GEC Job No 20002.*

Dear Mr. Creaney:

A site visit was made in your presence on January 10 to observe the conditions along the walkway where ground movements have occurred. Subsequently, 4 hand auger borings were extended to a depth of 5 feet below grade. The logs of these borings, along with the location diagram, are included with this report. The purpose of this investigation was to evaluate the geotechnical issues that caused the distress and to recommend a method of slope stabilization.

#### Site Observations

The existing walkway has settled and/or displaced. Low height stone walls had previously been erected at some locations and these have also displaced.

The ground movements can be divided into 2 basic areas. This includes the northerly section, which is the landmass between the walkway and the bottom of the ravine at the existing creek. The southern landmass includes the soil slope between the walkway and the upper table top land to the south. Each of these areas will be discussed separately.

For the northerly portion, two bin walls are present. They have had been constructed in the past to provide stability and prevent erosion of the soil mass adjacent to the creek at the ravine bottom. The bin walls appear to have accomplished this goal and should remain. At locations where the upper portion of the bin wall is exposed, some damage to the members connecting the parallel walls was observed. The ground surface between the bin wall and the pathway is very steep being on the order of 40 degrees above horizontal. This is too steep for long term stability so the block walls that were constructed on the north side of the walkway have failed and displaced in a downward direction towards the creek.

For the southern section, portions of the route have side slopes that are on the order of 30 degrees, while other areas have somewhat more gentle side slopes. In the area where the side slopes are on the order of 30 degrees, cracking and displacements were noted within the upper portion of the slope indicating some sloughing and localized failure of the soil mass. It has been our experience that side slopes in moderate strength clays are stable when the side slopes are on

the order of 2H:1V which corresponds to approximately a slope angle of 26.6 degrees. Some of the trees on the south slope were also found to be leaning indicating a past movement of the upper surface of the soil

### Subsurface Conditions

Silty clay soils were encountered at all the boring locations. Above a depth of approximately 2 feet, the unconfined compressive strengths of the soils is only on the order of 1 to 1.3 tsf. This may be fill placed as part of the original walkway construction. Below 2 feet, the unconfined compressive strengths are on the order of 2 to 3 tsf indicating a very stiff condition. The very stiff soils are typical of the strengths that occur in the clayey soils within the glacial till deposits adjacent to Lake Michigan.

Ground water was encountered at depths of 4 to 5 feet below grade in 3 of the 4 borings. The ground surface where the borings were completed is approximately 15 feet above the current level of water in the creek. Thus, the observed ground water is likely seepage from the higher land mass to the south draining towards the creek.

### Proposed Repair Solution

The recommended method of stabilization would involve installing a new wall consisting of soldier pile and lagging with tie backs extending into the land mass to provide lateral support for the wall. Figure one illustrates the proposed construction procedure.

The new wall is planned to extend approximately 8 feet further to the south than the southern edge of the existing pathway. The existing path would then be reconstructed to the south. This would allow for the slope between the creek and the pathway to be flattened to approximately 27 degrees. The outside face of the bin wall appears to be vertical which indicates that it is relatively stable. However, some of the cross members of the bin wall appear to be damaged and will need to be repaired or replaced. A gravel and cobble fill should be placed back into the upper portion of the bin wall after repairs are made.

The calculations, a copy of which are attached as figure 2, indicate that the helical anchors need to be designed for a load of 19.4 kips. During installation, sufficient torque should be applied to achieve double the design capacity which in this case would be 28.8 kips to provide a factor of safety of 2. Helical anchors would be attached to every soldier pile at every 5 foot spacing. The soldier piles should extend approximately 6 feet above existing grade and 8 feet below existing grade. A drainage system should also be installed behind the lagging and extending below the new path to conduct water that currently drains from the south slope to the creek to prevent water from exiting at the surface of the north slope. By installing the soldier pile and lagging plus the tie backs, the lower portion of the south slope will be stabilized. There will still be some sloughing or shifting of the ground within the upper portion of the south slope where the existing slopes are steeper than 30 degrees. It would be helpful if a surface water intercepting system could be installed in the upper table top land mass to prevent water from spilling over the top of the slope and causing erosion channels, which in turn can lead to localized slumping.

Calculations were also completed to determine if a gabion basket wall would suffice in lieu of the proposed tied back soldier pile wall scheme. Unfortunately, there is not enough sliding resistance or overturning resistance with the gabion wall design because of the steep soil slope on the back side of the gabion basket wall. For this reason, the use of the gabion basket design to stabilize the south slope is not recommended

#### Alternate Scheme

As an alternate path restoration scheme, Daniel Creaney Company, has proposed an elevated deck supported by helical anchors. In areas where the ravine slope above the deck is 26° or less helical anchors are planned to support the elevated walkway. Inclined helical anchors are also recommended to be installed to provide some lateral resistance from minor sloughing. In areas where the ravine slope above the deck is greater than 26° or there is an existing vertical face in the soil mass next to the proposed walkway, there is the possibility of more major ground movement over a period of time. In these areas a more sustainable support system consisting of the tie back wall as previously discussed will be required.

Ground Engineering Consultants, Inc has not assisted in the design of the elevated walkway. This will be completed by Daniel Creaney taking into account all the local codes and OSHA requirements.

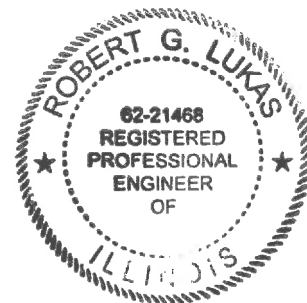
#### General Qualifications

The geotechnical recommendations presented herein are based upon the site visit plus engineering calculations and the hand auger investigation. Side slopes along the path vary from one location to another so the sketches and recommendations presented herein are based for what is believed to be the most critical condition. If there are any questions regarding the recommendations herein, feel free to contact us.

Sincerely Yours,

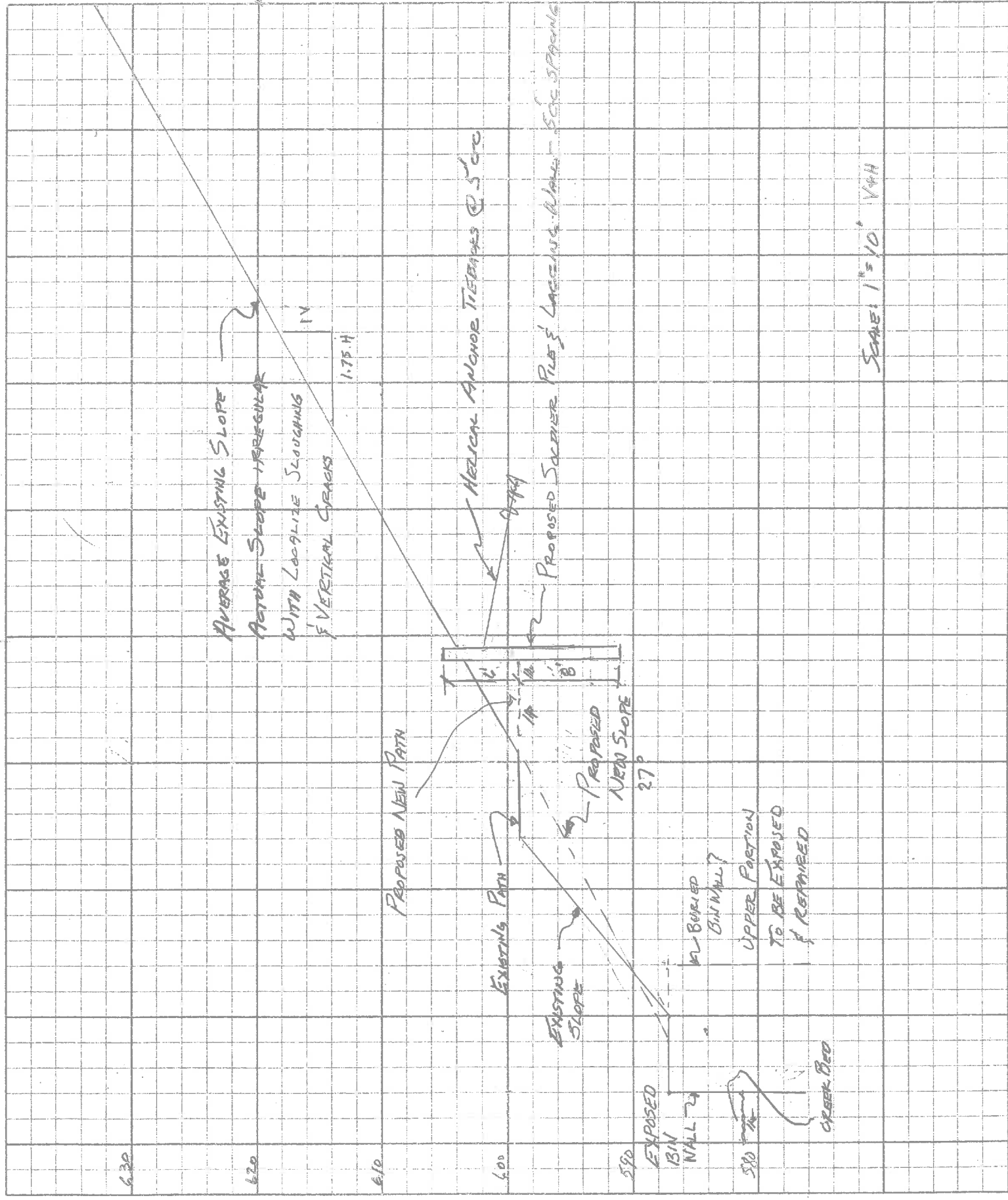
Ground Engineering Consultants, Inc

*Robert G. Lukas*  
Robert G. Lukas, P.E.  
Consultant



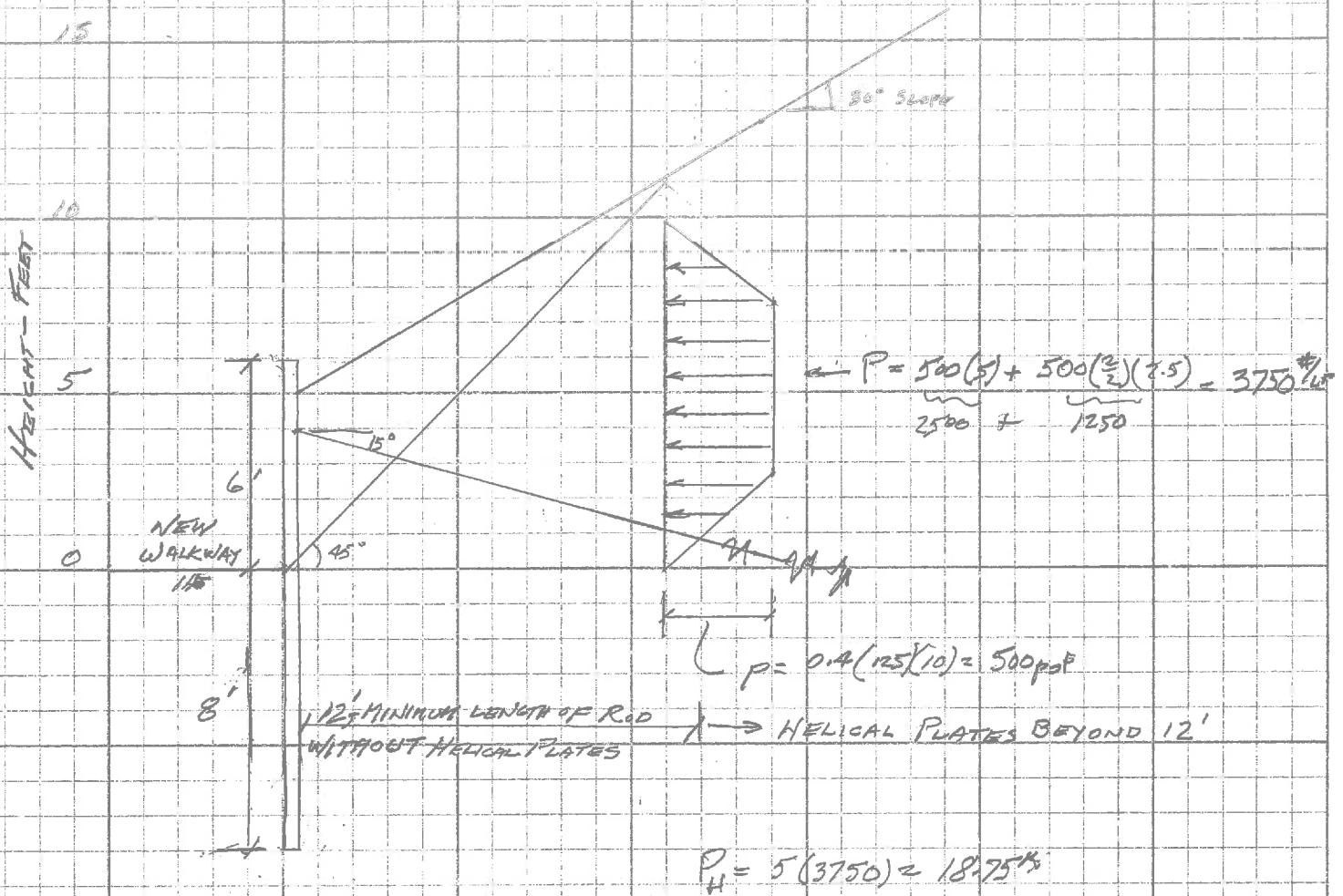


Title FIGURE 1 - PROPOSED REPAIR SCHEME



Title FIGURE 2 RETENTION CALCULATIONS

FIGURE 2

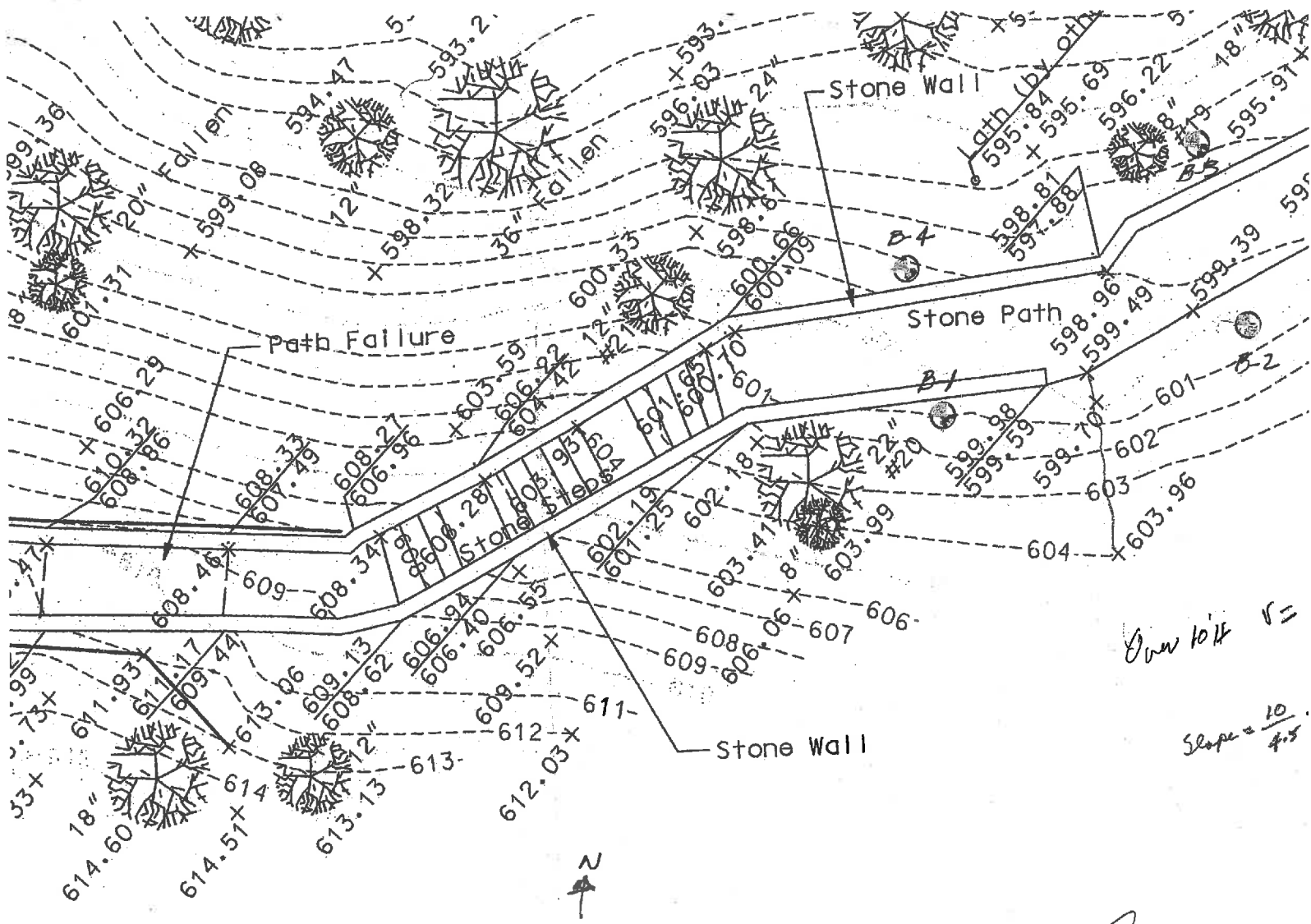


FOR 15° INCLINATION,  $P_H = 19.4 \text{ K}$

TORQUE TO  $2 \times 19.4 \text{ K} = 38.8 \text{ K}$

USE SOLDIER PILES @ 5' C/C SPACING & 4" TREATED WOOD LAGGING

± 10' - ANCHORS -



SOIL BORING LOCATION DIAGRAM

Top of 16 Cont.  
to E. 635

11 on the North Side of Bridge, Elevation=611.51  
 th "Phone" near the East End of Path, Elevation=587.51

GPS With the  
 ate System, NAVD'88



CLIENT: Dan Creaney Company PROJECT: Moraine Park Path

COORDINATES: LOCATION: 2501 Sheridan Road  
Highland Park, Illinois

DEPTH BELOW GROUND SURFACE	SAMPLE NO.	TYPE SAMPLE	SAMPLE DISTANCE	% RECOVERY	GRAPHIC LOG	DESCRIPTION OF MATERIAL	Vane Shear Test (psf)	UNCONFINED COMPRESSIVE STRENGTH TONS/FT.2						
								CALIBRATED PENETROMETER TONS/FT.2						
								WATER CONTENT %						
								STANDARD "N" PENETRATION BLOWS/FT.						
GROUND SURFACE ELEVATION							CCD	10	20	30	40	50	60 +	
					0.1	Topsoil, 1 inch								
1					1.0	Silty clay, trace sand & gravel, brown, disturbed sample, (CL)								
2					2.0	Silty clay, trace sand, gravel & small roots, brown, medium, (CL)								
3	HA			100	2.0	Silty clay, trace sand & gravel, brown, stiff to very stiff, (CL)								
4					4.0									
5					5.0	Silty clay, trace sand & gravel, brown, disturbed sample, (CL)								
						End Of Boring								

WATER LEVEL OBSERVATIONS		
W.L.	5 WS	▽
W.L.		▽
W.L.		▽

**Ground Engineering Consultants, Inc.**  
 350 Pflingsten Road, Suite 106  
 Northbrook, Illinois 60062  
 Tel: (847) 559-0085 Fax: (847) 559-0181

BORING STARTED	1/22/20
BORING COMPLETED	1/22/20
DRILLING COMPANY	FOREMAN Shilmon
Chicago Drill Co.	APPR. BY RL







**CHRISTOPHER B. BURKE ENGINEERING, LTD.**

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

November 5, 2021

Park District of Highland Park  
West Ridge Center  
636 Ridge Road  
Highland Park, IL 60035

Attention: Jeffrey Smith  
Director of Planning and Projects

Subject: Load Analysis of Moraine Park Bridge  
(CBBEL Project No. 210491)

Dear Mr. Smith:

Per the request of the Park District, Christopher B. Burke Engineering Ltd. (CBBEL) performed a load analysis on the Moraine Park Pedestrian Bridge. Below is a summary of our analysis and findings.

**Purpose of Analysis:** It is CBBEL's understanding that the Park District will be performing improvements at Moraine Park. In order to perform the work, a contractor will need to cross over the Moraine Park pedestrian bridge with construction equipment. Per the Park District, this equipment will consist of a skid steer with an attachment to drive helical anchor and would weigh approximately 9,500 pounds (loaded). The purpose of this analysis is to evaluate if the bridge can support the proposed construction vehicle.

At this time, the exact model of the skid steer is unknown. As such, CBBEL has made conservative assumptions regarding the weight distribution of the vehicle. Once a contractor is selected and the exact model is known, the Park District shall send CBBEL the construction vehicle information in order to confirm the assumptions made for this analysis.

**Description of Existing Structure:** The existing bridge is a single span structure that crosses a ravine. The structure was designed by Willett, Hoffmann and Associates in 1977. The City of Highland Park provided CBBEL with drawings stamped "As-Built March, 1979". These plans have been attached in Appendix A.

The span is 90'-0" long from the center to center of bearing. The superstructure consists of two 37" deep welded plate girders. The top and bottom flanges are 12" wide x 5/8" thick, and the web is 36" tall x 5/16" thick. The girders appear to be weathering steel, and per the existing plans, have a yield strength of 50 ksi. The girders are spaced 5'-6" apart and support a 7" thick



reinforced concrete deck. The bridge deck is composite with the girders (connected to the girders with shear stud connectors). It is 8'-9" wide out to out with 6" tall curbs on the ends and measures approximately 7'-2" from face of curb to face of curb. Per the existing plans, the deck has a compressive strength of 3,500 psi. The curbs have 42" tall aluminum railings attached to them.

The superstructure is supported on reinforced concrete abutments with a 4' deep toe wall for scour protection.

Per the plans, the bridge was designed using Load Factor Design in accordance with the 1973 AASHTO Specifications, with 1974 – 1976 interims. The design live load is shown as 85 psf.

**Condition of Existing Structure:** CBBEL performed an inspection of the structure on October 6, 2021, with Park District staff present. The purpose of this inspection was to evaluate the condition of the bridge and to verify dimensions shown in the "As-Built" drawings. No discrepancies with the "As-Built" drawings were noted during our inspection.

Overall, the bridge appears to be in good condition. No issues were noted with the steel plate girders. Transverse, non-structural cracking was noted in the bridge deck. Spalls along the curbs were noted at railing posts. Moderate erosion was noted in front of the east abutment. Photos from our inspection can be found in Appendix B. Additional details from the inspection can be found in CBBEL's 2021 Bridge Inspection Summary provided to the Park District as part of its annual inspection program. No issues were noted that would impact the load carrying capacity of the structure.

**Analysis of Structure:** CBBEL analyzed the structure using 9,500 pounds for the weight of the skid steer. Conservatively, we split this into two concentrated loads of 4,750 pounds. We utilized load combinations listed in the 1973 AASHTO Specifications. We analyzed the superstructure for shear and bending. We also checked the axial capacity of the bearing stiffeners. In addition, we analyzed the bridge deck for bending. Based on our analysis, we feel that the structure can safely carry a skid steer weighing 9,500 pounds. The 9,500 pound weight limit determination assumes the following:

1. Only one vehicle will use the bridge at a time. No one will be on the bridge while a vehicle is crossing it.
2. The vehicle operator will drive slowly over the bridge to minimize vibrations and impact loading on the bridge.
3. The contractor will not store any construction materials or debris on the bridge.

Upon selecting a contractor and determining the actual construction vehicle that will be utilized, we recommend sending CBBEL the vehicle information (total weight, dimensions, distribution of loads) in order to confirm the assumptions made for this analysis. The Park District should not allow the contractor to utilize a vehicle heavier than 9,500 pounds (loaded weight). Additionally, CBBEL is not responsible for the construction means, methods, techniques, sequences of procedures, or safety precautions and programs in connection with the work. Weather, snow, or any other factors not present or provided to CBBEL were not taken into consideration.

Should you have any questions or comments regarding these inspections, please do not hesitate to contact us. The information contained in this letter is to be used for the purpose for which it is intended and should not be used or distributed for any other purpose.

Sincerely,

Handwritten signature of Jeff Barnett in blue ink.

Jeff Barnett, PE, SE  
Project Manager – Structural

Handwritten signature of Majid Mobasseri in blue ink.

Majid Mobasseri, PhD, PE, SE  
Head, Structural Engineering Department

**APPENDIX A**  
**AS-BUILT PLANS**  
(MARCH 1979)

# CITY OF HIGHLAND PARK ILLINOIS

## PLANS FOR PROPOSED PEDESTRIAN BRIDGES MORaine PARK & MULBERRY PLACE

### 1977

#### INDEX OF SHEETS

NO.	TITLE
1	COVER SHEET & SUMMARY OF QUANTITIES
MORaine PARK	
2	GENERAL PLAN AND ELEVATION & APPROACH DETAILS
3	SUPERSTRUCTURE AND ABUTMENT DETAILS
4	STRUCTURAL STEEL DETAILS
5	BEARING DETAILS
6	SIDEWALK RAILING DETAILS
7	PLAN AND PROFILE
MULBERRY PLACE	
8	PLAN AND PROFILE
9	CROSS SECTIONS
10	SUPERSTRUCTURE AND ABUTMENT DETAILS
11	STRUCTURAL STEEL AND BEARING DETAILS
12	SIDEWALK RAILING DETAILS

SUMMARY OF QUANTITIES		
QUANT	UNIT	ITEM
MORaine PARK		
34.2	CU YD	CLASS X CONCRETE
4030	LBS	REINFORCEMENT BARS
21418	LBS	FURNISHING AND ERECTING STRUCTURAL STEEL
2	EACH	ERECTING TEMPORARY SUPPORTS
176	EACH	STUD SHEAR CONNECTORS
2	EACH	REMOVAL OF EXISTING ABUTMENTS
3.8	CU YD	CONCRETE REMOVAL
183	LIN FT	ALUMINUM SIDEWALK RAILING
82	LIN FT	TIMBER STAIRS AND LANDINGS - 6 FT WIDE
MULBERRY PLACE		
550	CU YD	BORROW EXCAVATION
25.5	CU YD	CLASS X CONCRETE
2738	LBS	REINFORCEMENT BARS
5933	LBS	FURNISHING AND ERECTING STRUCTURAL STEEL
136	CU YD	CONCRETE REMOVAL
12	EACH	EXPANSION BOLTS - 3/4 INCH
92	LIN FT	ALUMINUM SIDEWALK RAILING



**MORaine PARK  
PROPOSED STRUCTURE**  
A SINGLE SPAN (1@90') PEDESTRIAN BRIDGE WITH A REINFORCED CONCRETE DECK ON "WEATHERING" STEEL PLATE GIRDERS WITH ALUMINUM "PICKET" TYPE HANDRAIL ON CONCRETE BENT ABUTMENTS WITH TIMBER STAIRS AND LANDINGS THERETO

**MULBERRY PLACE  
PROPOSED STRUCTURE**  
A SINGLE SPAN (1@44.5') PEDESTRIAN BRIDGE WITH A REINFORCED CONCRETE DECK ON "WEATHERING" STEEL BEAMS WITH ALUMINUM "PICKET" TYPE HANDRAIL ON MODIFIED EXISTING CONCRETE ABUTMENTS AND APPROACH WORK THERETO

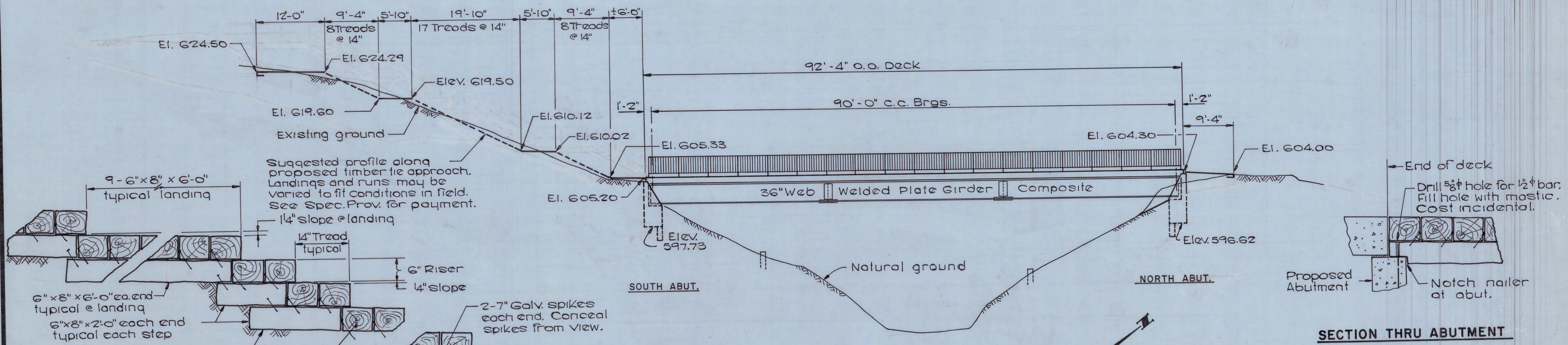
**LOCATION MAP**  
SCALE: 1" = 1600'



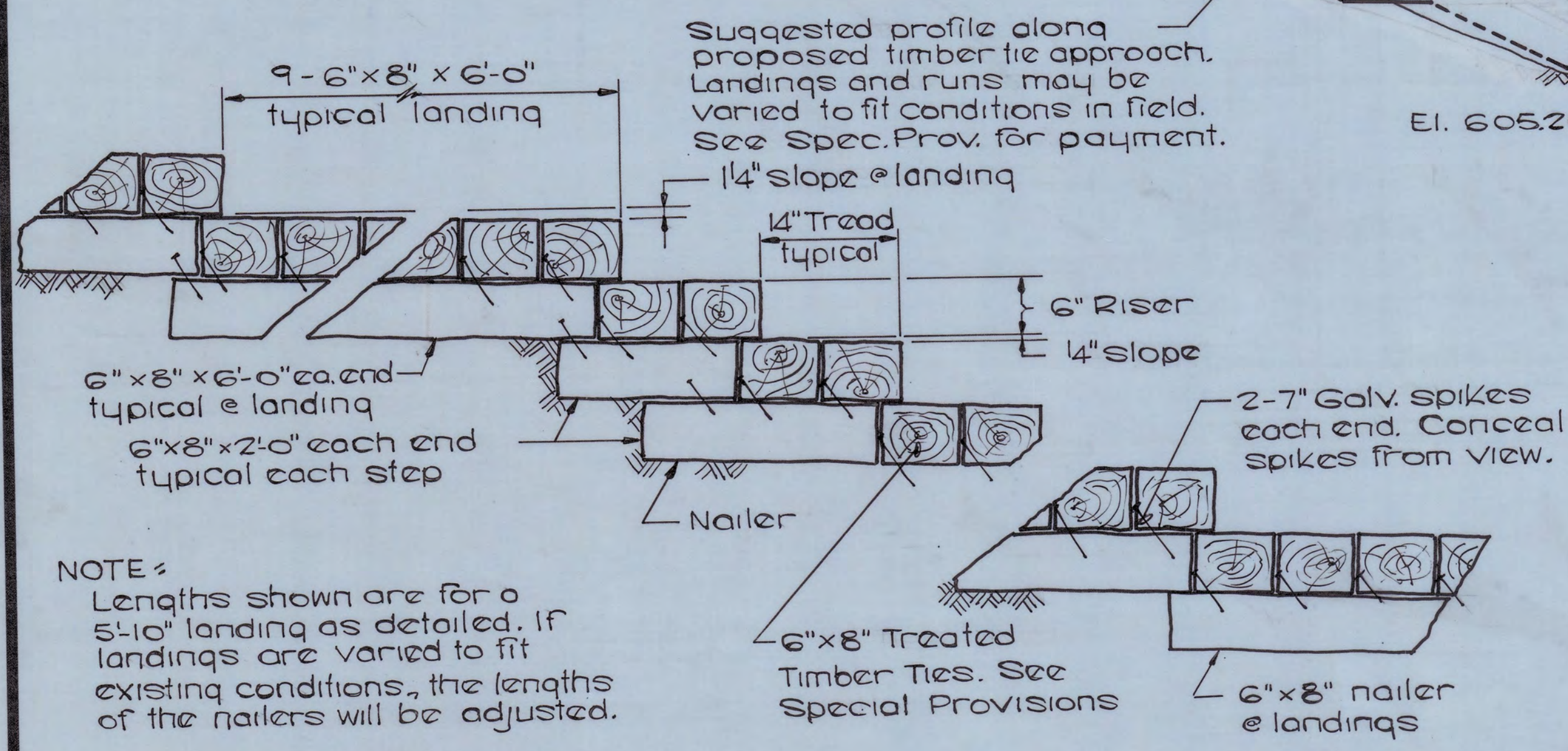
**WILLETT  
HOFMANN &  
ASSOCIATES, Inc.**  
Consulting Engineers

"AS BUILT" BT March 1977  
William D. Thompson  
5/10/77

A-24-27

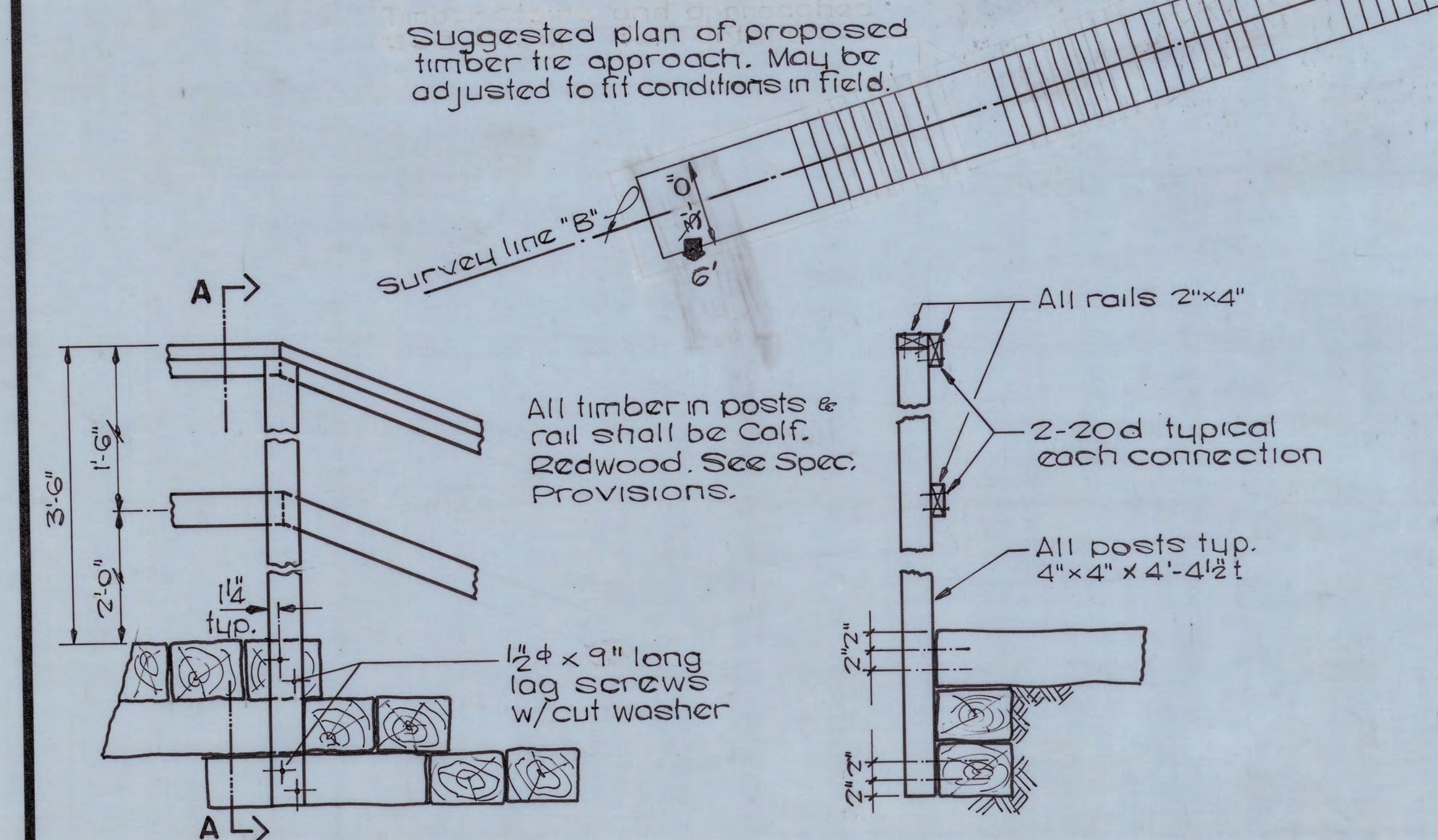


SECTION THRU ABUTMENT



PARTIAL ELEVATION TIMBER APPROACHES

NOTE:  
Lengths shown are for a 5'-10" landing as detailed. If landings are varied to fit existing conditions, the lengths of the nailers will be adjusted.



ELEVATION

PLAN

DESIGN LOADING  
Live Load = 85 psf sidewalk surface

DESIGN STRESSES  
 $f_c = 3500$  psi Concrete  
 $f_y = 60,000$  psi Reinforcement  
 $f_y = 50,000$  psi AASHTO M-222 Structural Steel  
 $f_b = 1600$  psi Timber  
 $v = 118$  psi Concrete  
 Allowable Live Load Deflection  $L/960$  (Composite)

Structure designed using Load Factor Design in accordance with AASHTO Specifications dated 1973 using 1974-1976 Interims.

GENERAL NOTES:  
 FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 3/4" DIA., OPEN HOLES 13/16" DIA., 7/8" DIA., OPEN HOLES 15/16" DIA.  
 CALCULATED WEIGHT OF STRUCTURAL STEEL, EQUALS 21418 LBS.  
 FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED.  
 ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO DESIGNATION M-222.  
 ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS.  
 THE STRUCTURAL STEEL IN THE STRUCTURE IS TO BE USED IN THE EXPOSED, UNPAINTED CONDITION AND APPEARANCE IS OF PRIMARY IMPORTANCE. DO NOT STEEL DIE STAMP OR MARK WITH PAINT. ALL IDENTIFICATION SHALL BE STENCILED WITH PERMANENT INK AND CLEANED OFF AFTER RESECTION. THE EXTERIOR FACIA OF THE BEAMS SHALL BE SANDBLASTED TO INSURE A UNIFORM FINISH.  
 FOR SILICONE SURFACE TREATMENT OF THE ABUTMENTS, SEE SPECIAL PROVISIONS.  
 ALL TIMBER AND HARDWARE SHALL BE FURNISHED, INSTALLED AND PAID FOR IN ACCORDANCE WITH ARTICLE 510 OF THE STANDARD SPECIFICATIONS EXCEPT AS MODIFIED HEREIN. SEE TIMBER STAIR DETAIL FOR ADDITIONAL NOTES.

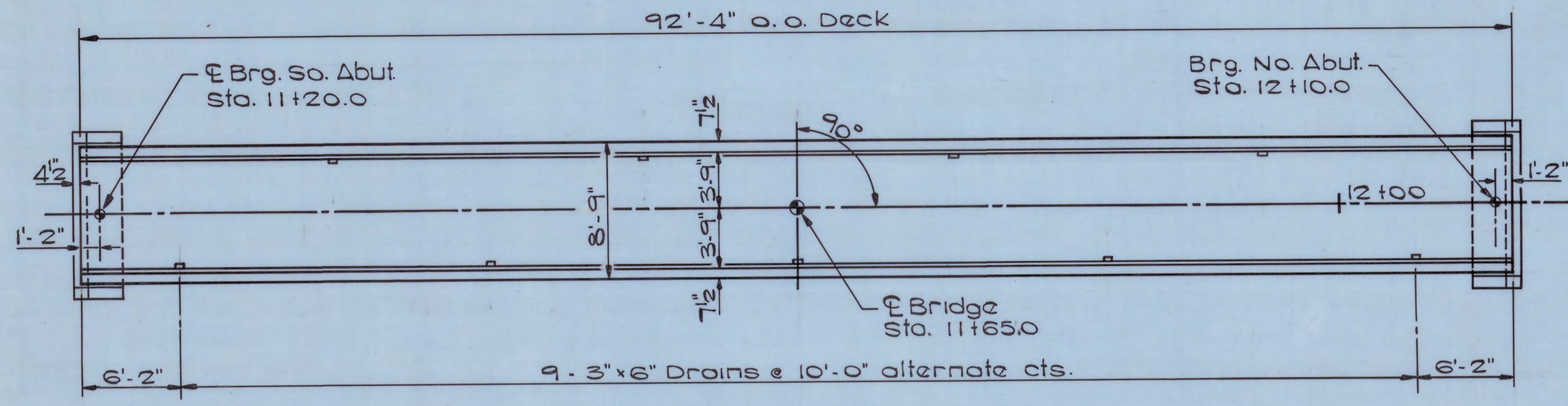
MORaine PARK  
PEDESTRIAN BRIDGE  
CITY OF HIGHLAND PARK  
GENERAL PLAN AND ELEVATION

DESIGN BY: B. Thompson DATE Feb 77	PREPARED BY: WILLETT, HOFMANN & ASSOCIATES INC. CONSULTING ENGINEERS DIXON, ILLINOIS	
TRACED BY: R. Rhoads DATE Mar 77		
CHECKED BY: D.E. Huffman DATE Mar 77		
APPROVED BY:		

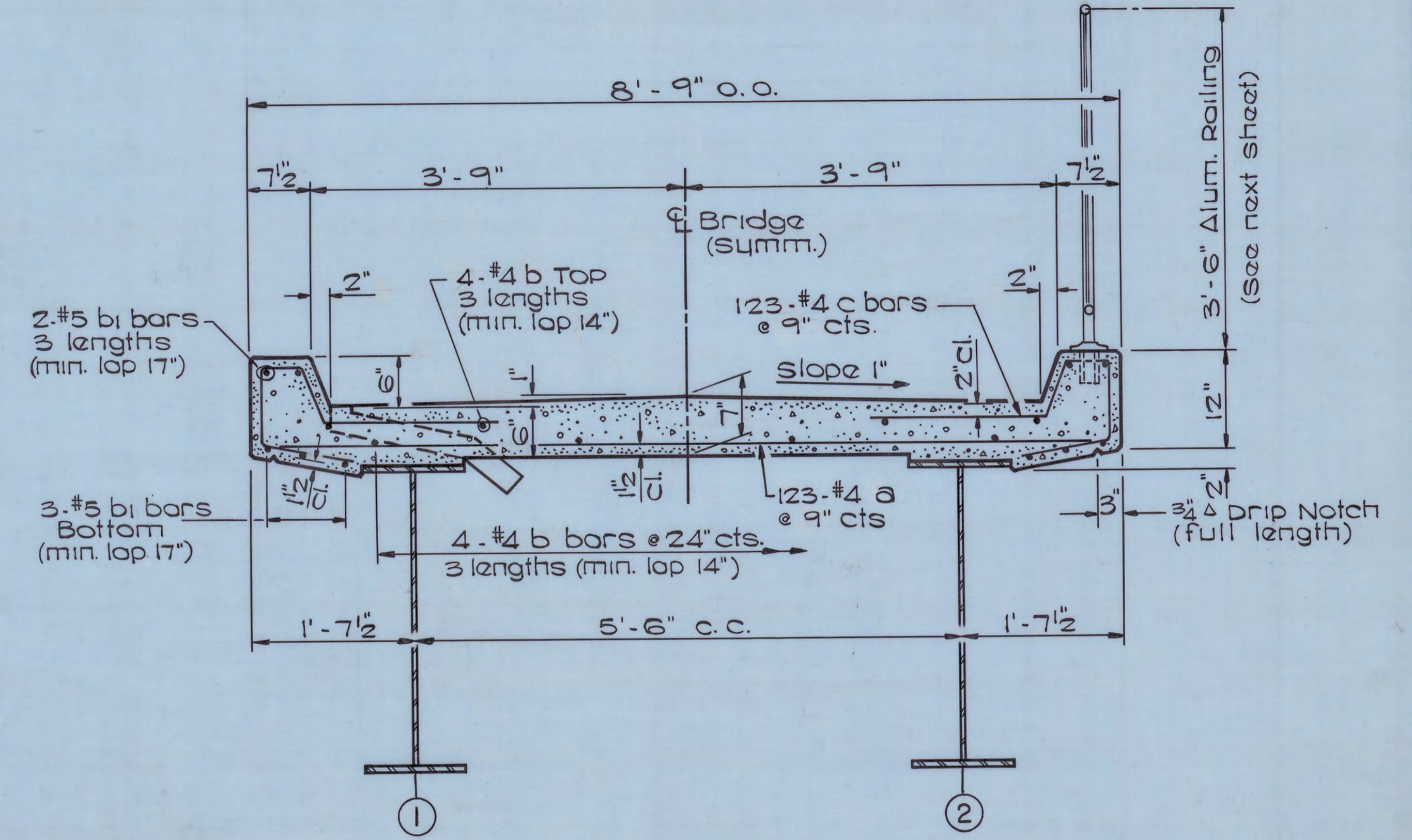
POST & RAIL DETAIL

SECTION A-A

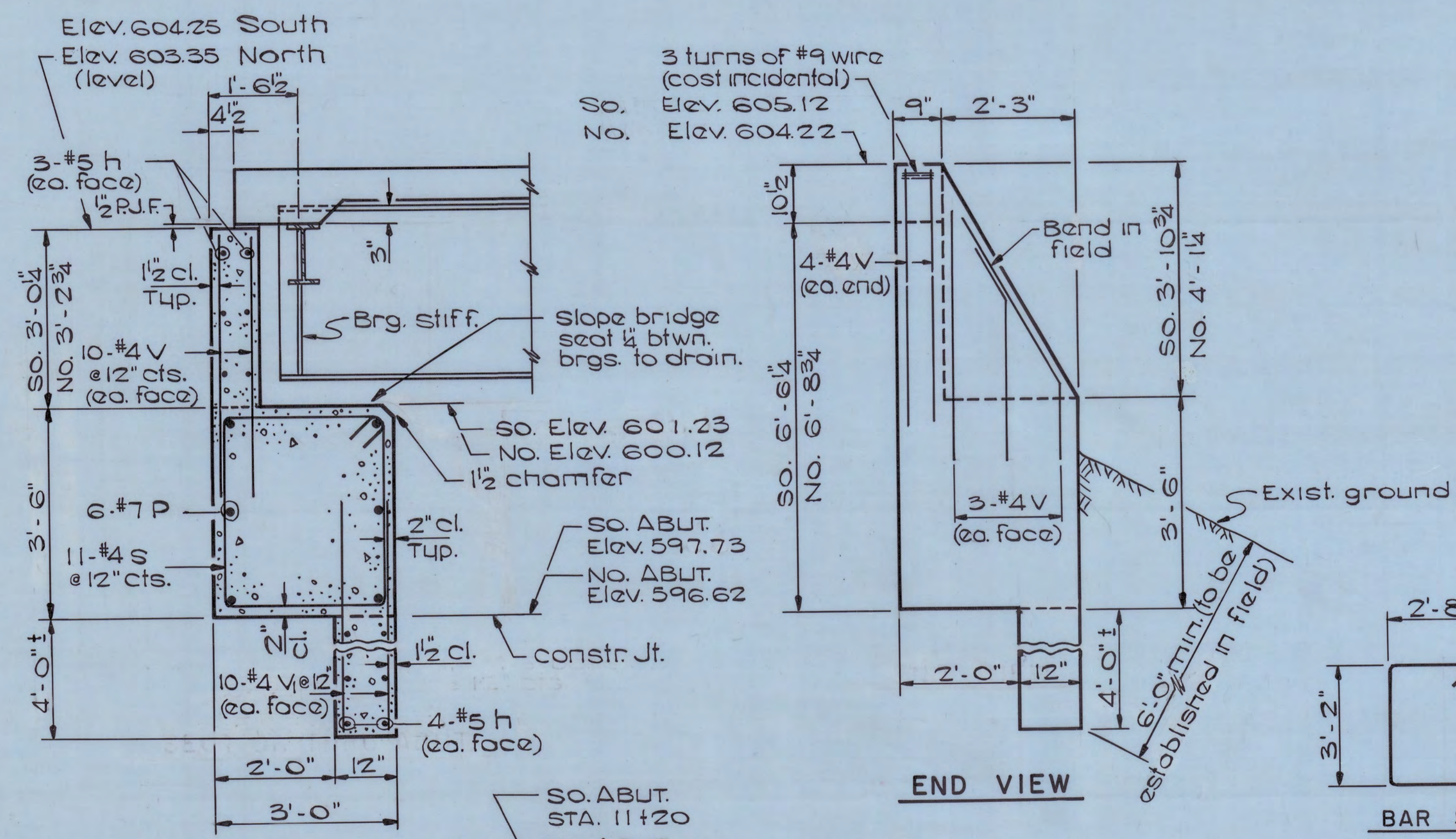
AS BUILT March 1979



PLAN - DECK

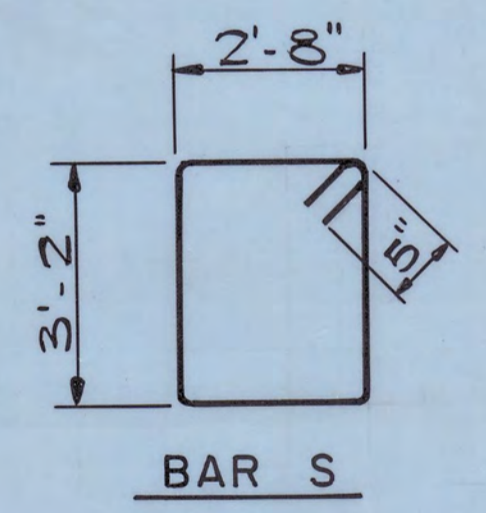


CROSS SECTION

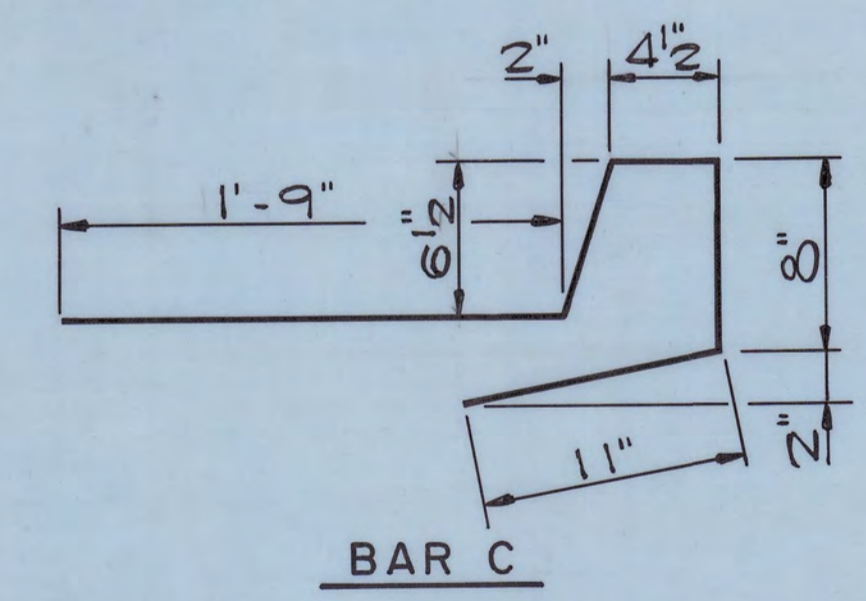


SECTION THRU ABUT.

END VIEW



BAR S



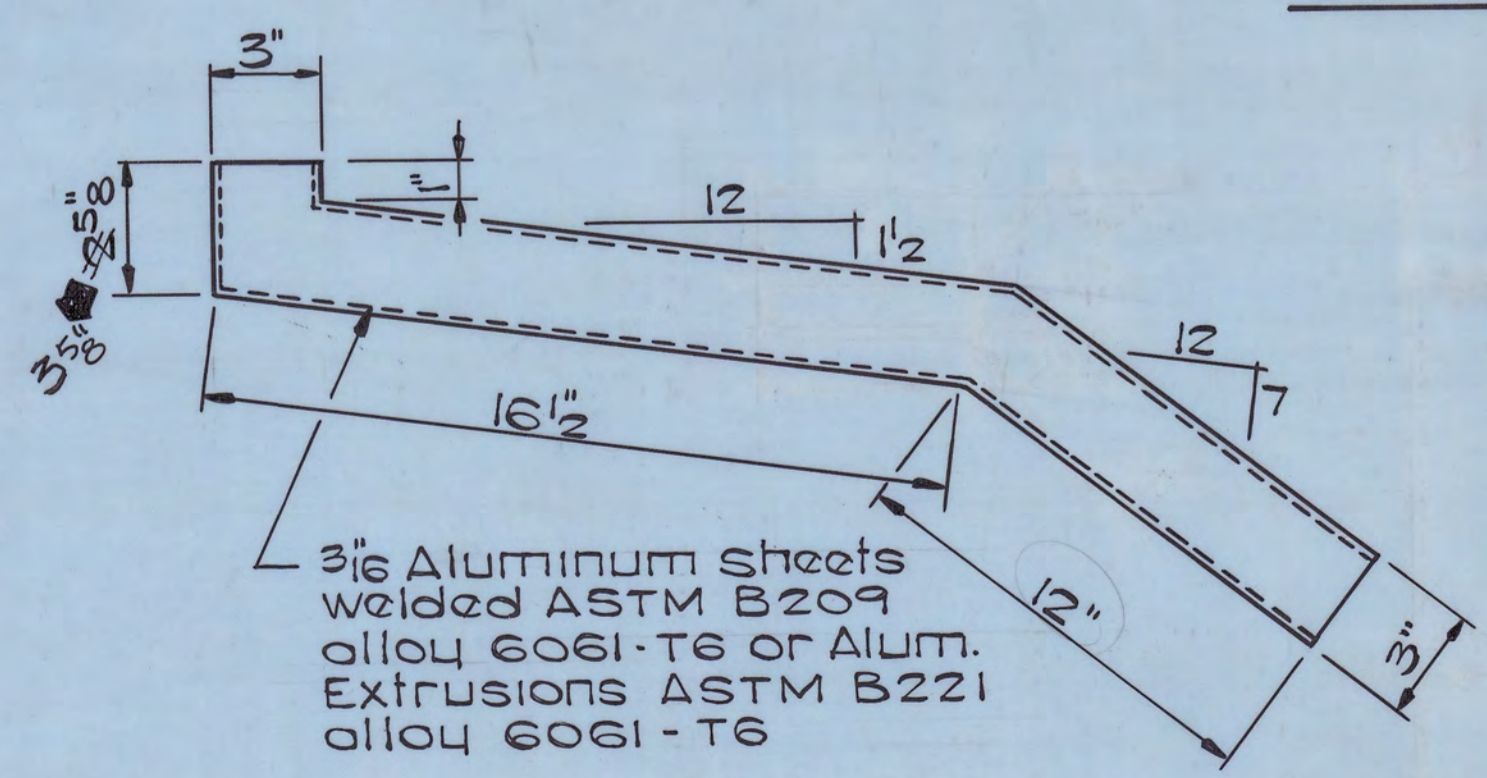
BAR C

BILL OF MATERIAL - DECK

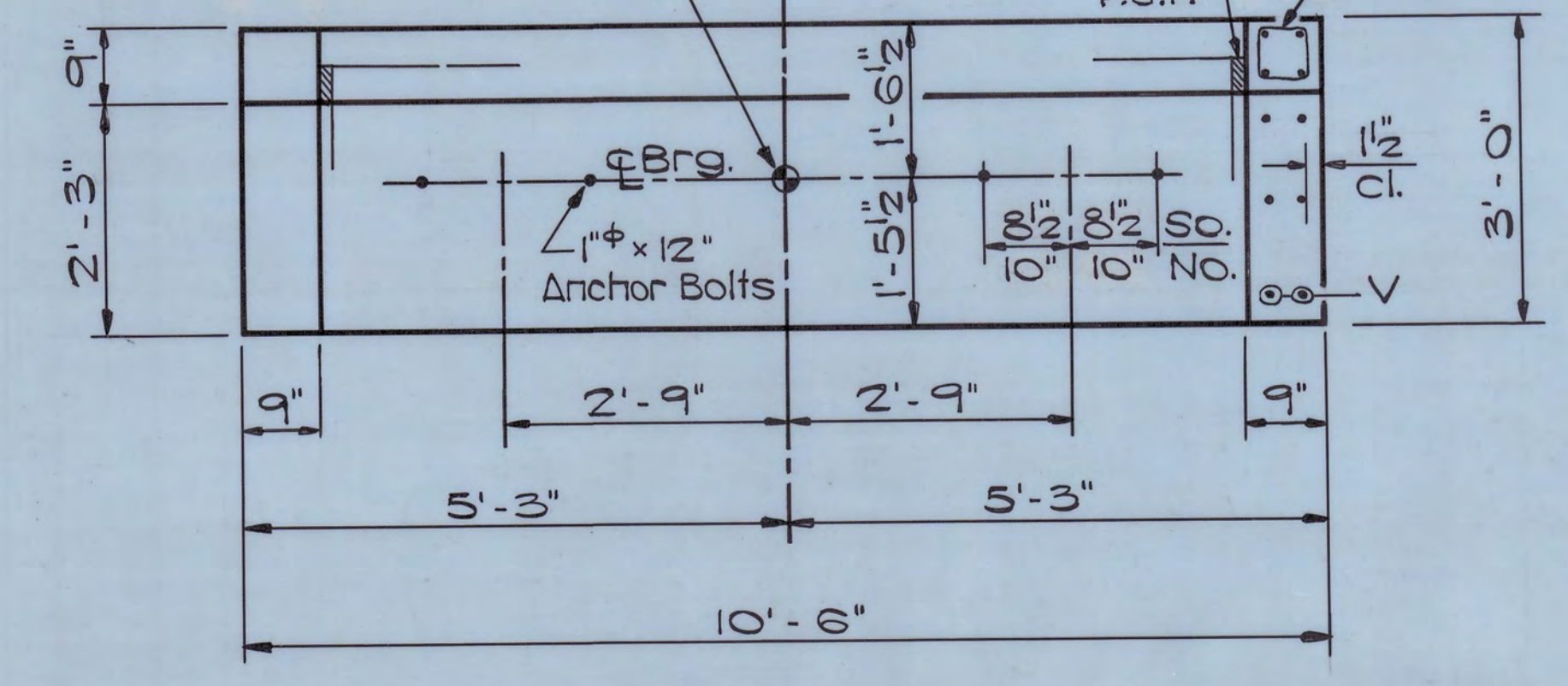
BAR NO.	SIZE	LENGTH	SHAPE
a	123 #4	8'-3"	—
b	24 #4	31'-6"	—
b <sub>1</sub>	30 #5	31'-9"	—
c	246 #4	4'-3"	⤵
Class X Concrete cu.Yds.			19.7
Reinforcement Bars Lbs.			2870

BILL OF MATERIAL - 2 ABUTS.

BAR NO.	SIZE	LENGTH	SHAPE
h	28 #5	10'-2"	—
P	12 #7	10'-2"	—
S	22 #4	12'-6"	⊠
V	80 #4	5'-0"	—
V <sub>1</sub>	40 #4	6'-0"	—
Class X Concrete cu.Yds.			14.5
Reinforcement Bars Lbs.			1160

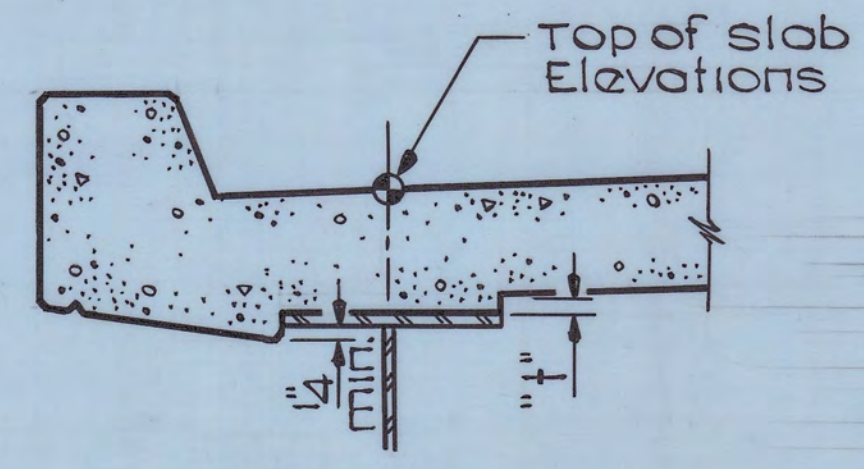
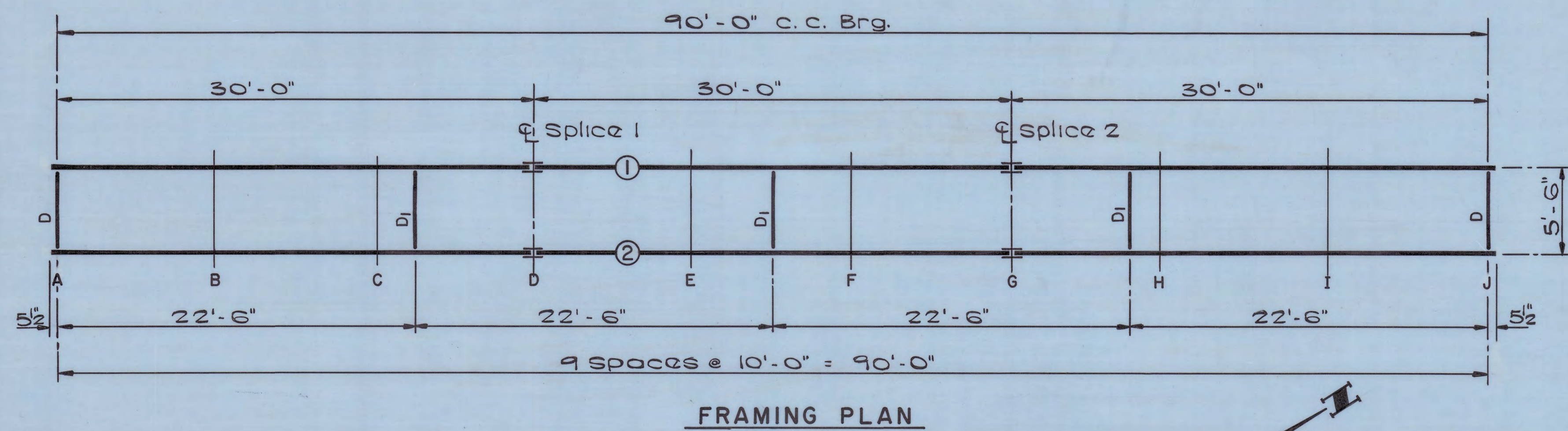


3" x 6" ALUM. DRAINS  
 9 required  
 (cost incidental)



PLAN - ABUTMENT

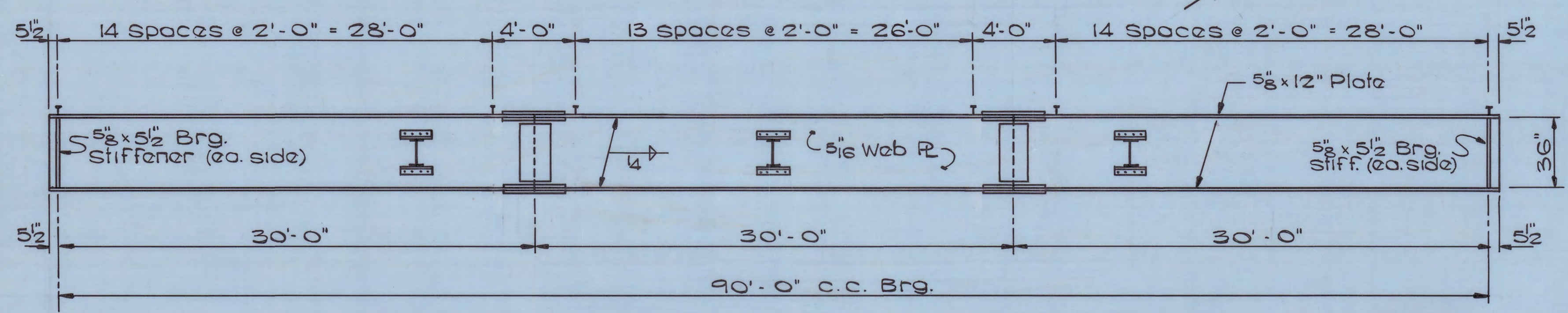
**SUPERSTRUCTURE AND ABUTMENT DETAILS**  
 MORAINÉ PARK  
 PEDESTRIAN BRIDGE  
 CITY OF HIGHLAND PARK



To determine "t": After all structural steel has been erected, elevs. shall be taken at the intervals shown on Framing Plan. These elevations subtracted from the "THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION" shown at right, minus slab ("s") equals the fillet heights "t" above top flange of girder.

\* THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION.

LOC.	GIRDER 1 & 2	USE	Fillet
604.599	A 605.117	→	4"
604.599	B 605.017	→	4"
604.587	C 604.917	→	18"
604.472	D 604.817	→	16"
604.412	E 604.717	→	1"
604.302	F 604.617	→	16"
604.204	G 604.517	→	34"
604.023	H 604.417	→	1"
603.849	I 604.317	→	78"
603.642	J 604.217	→	1"

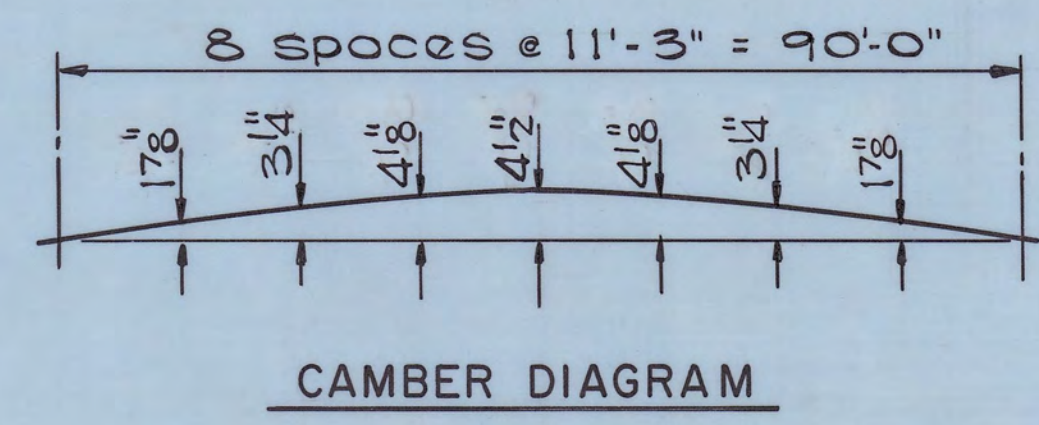
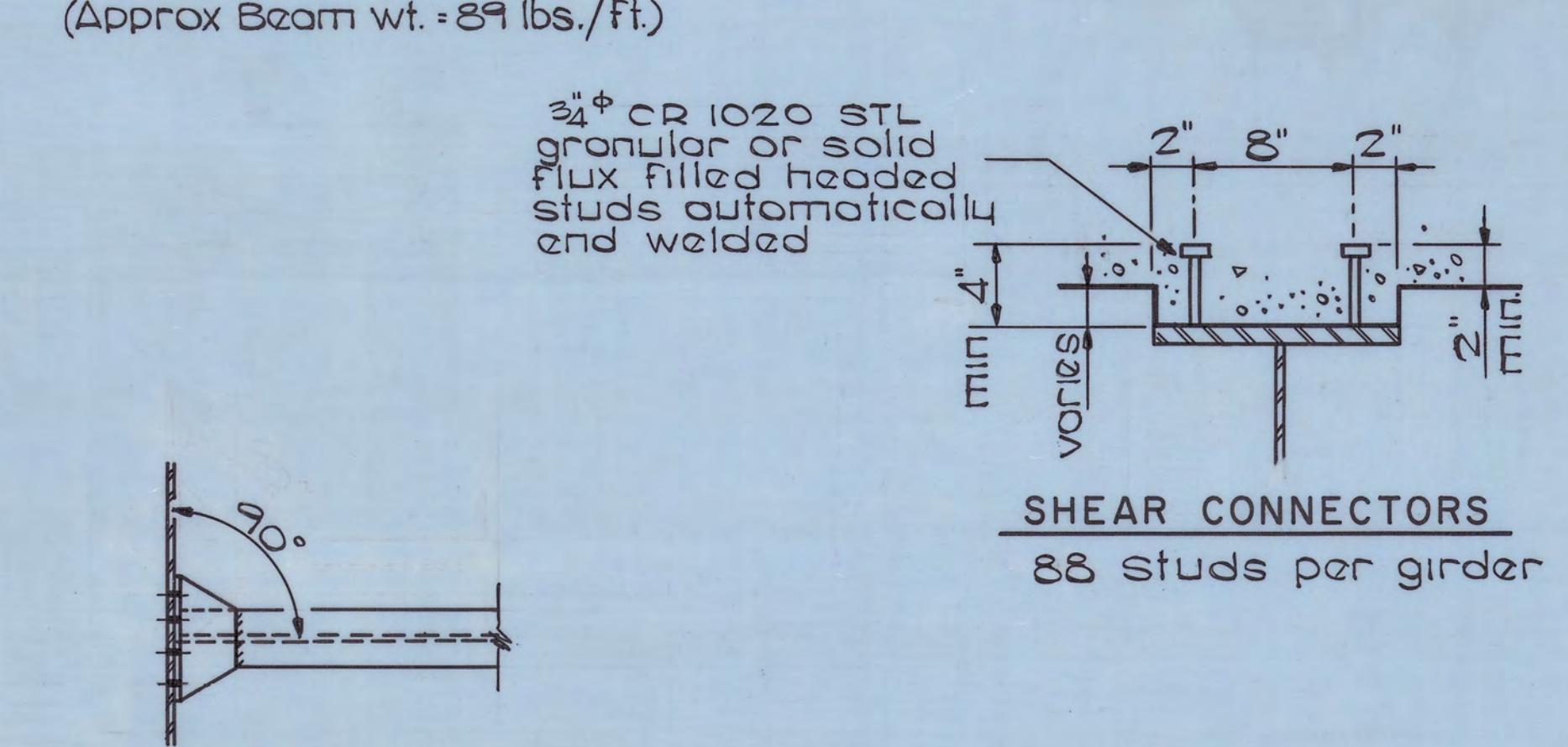
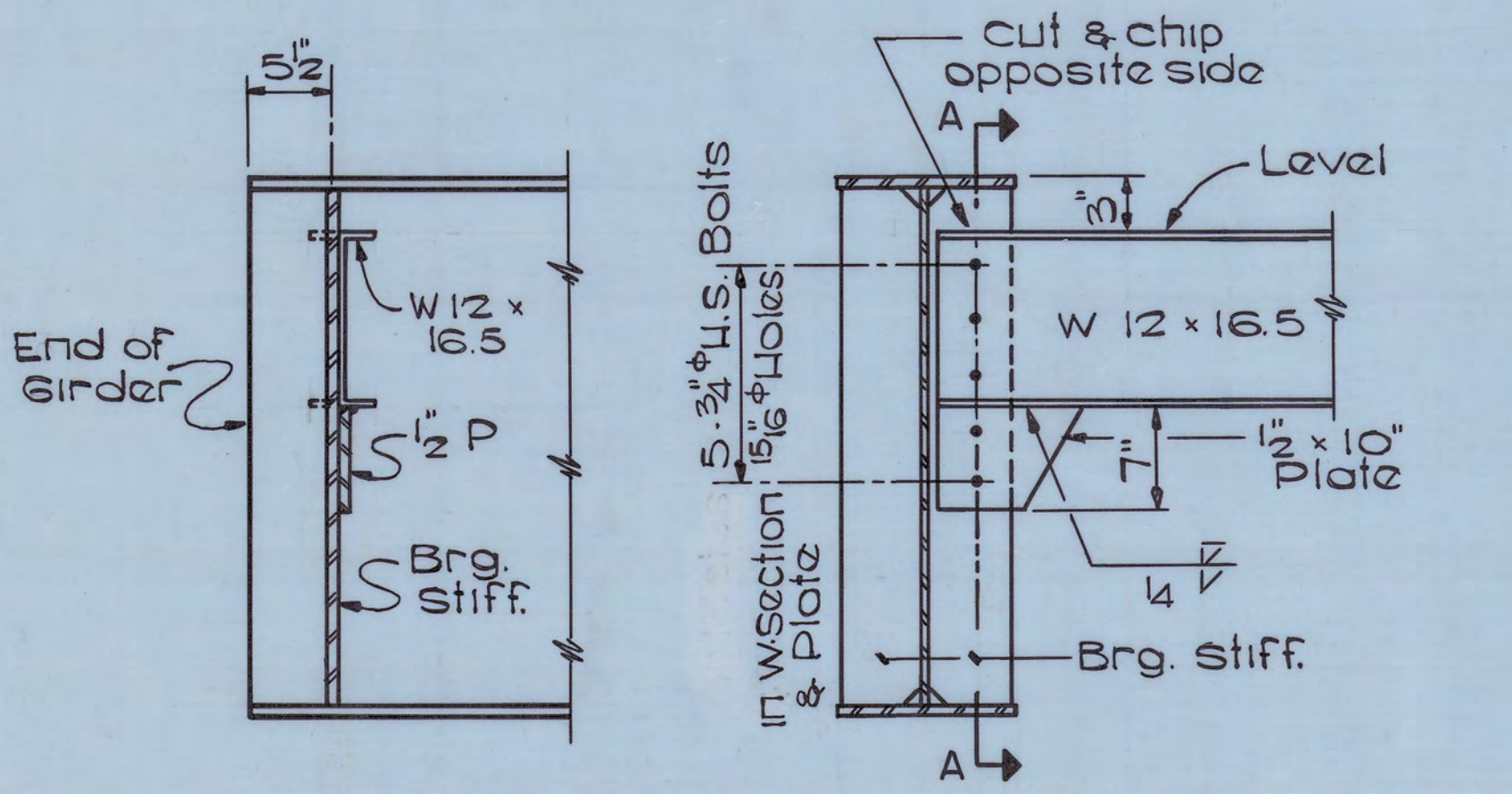


\* TOP OF WEB ELEVATIONS

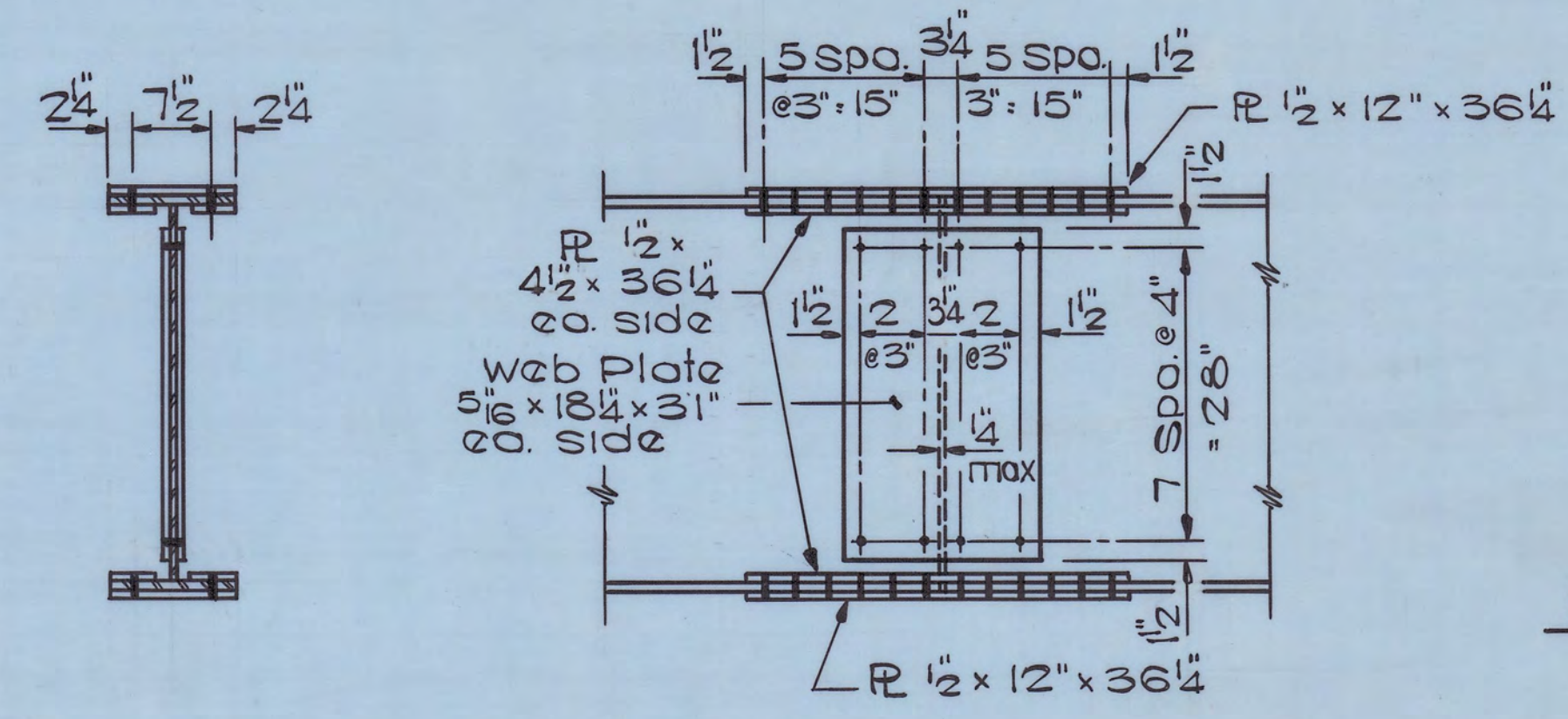
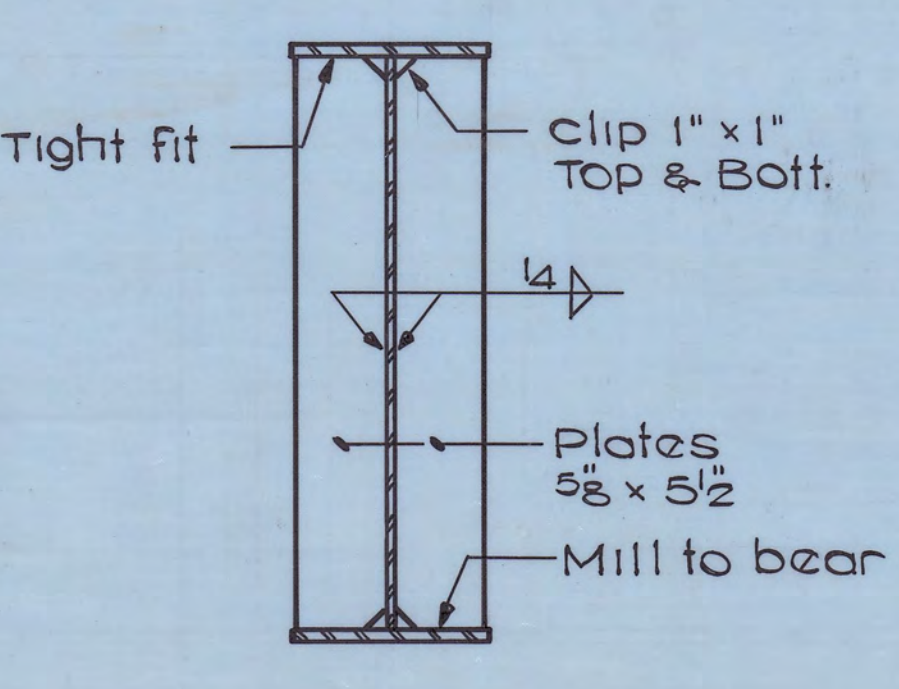
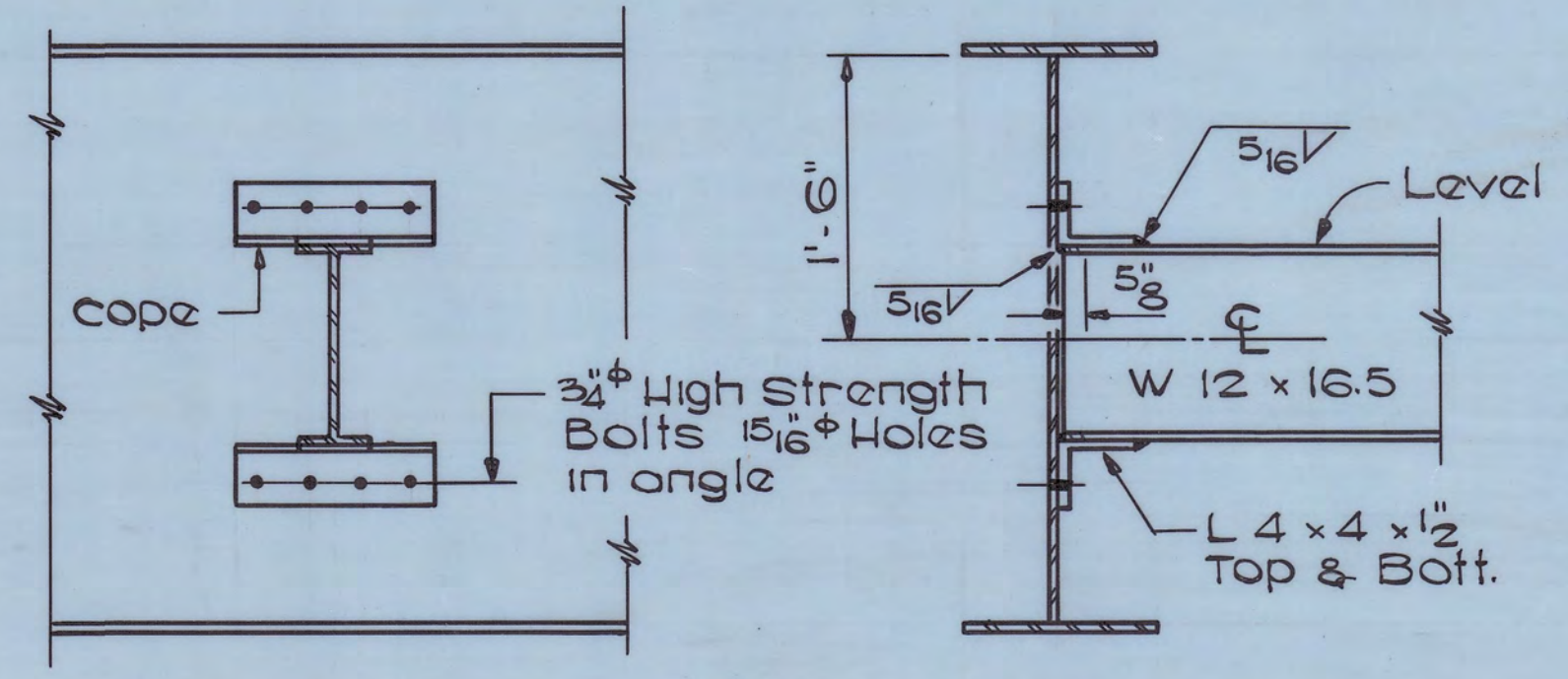
LOCATION	GIRDERS 1 & 2
⊕ Brg. s. Abut.	604.492
⊕ Splice NO. 1	604.150
⊕ Splice NO. 2	603.850
⊕ Brg. N. Abut.	603.592

\*(For Fabricators use only)

CORRECTED BY 1/24/78



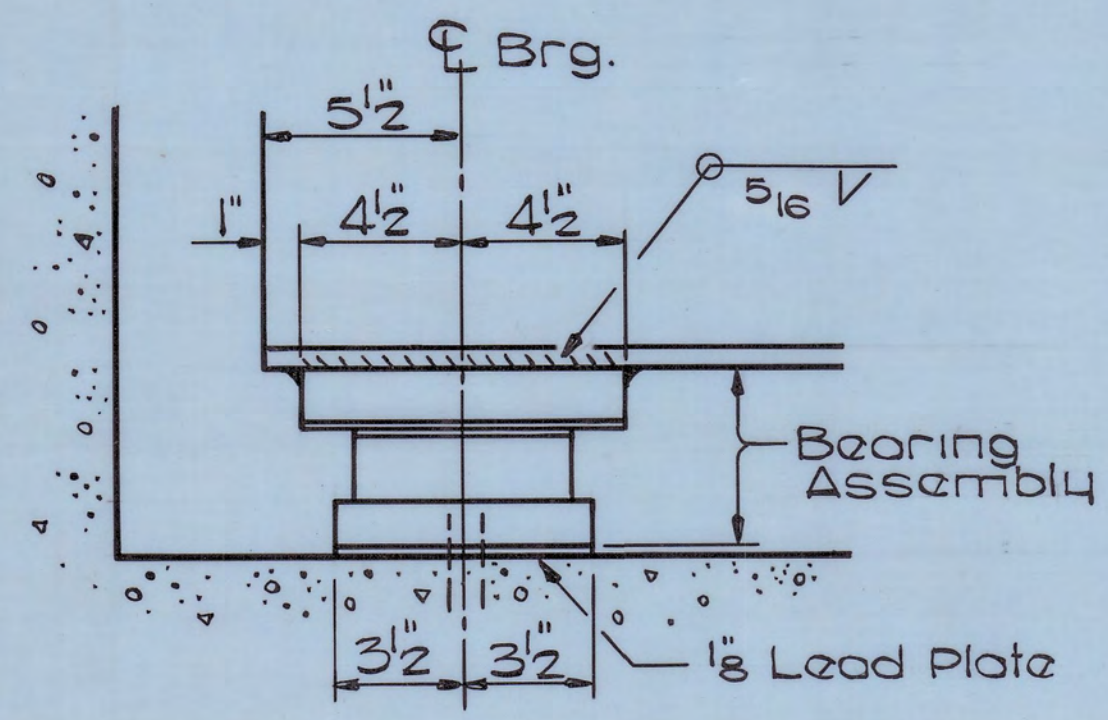
**NOTE**  
 Hardened washers shall be required over 15/16" holes in angles, connection plates and w. sections.



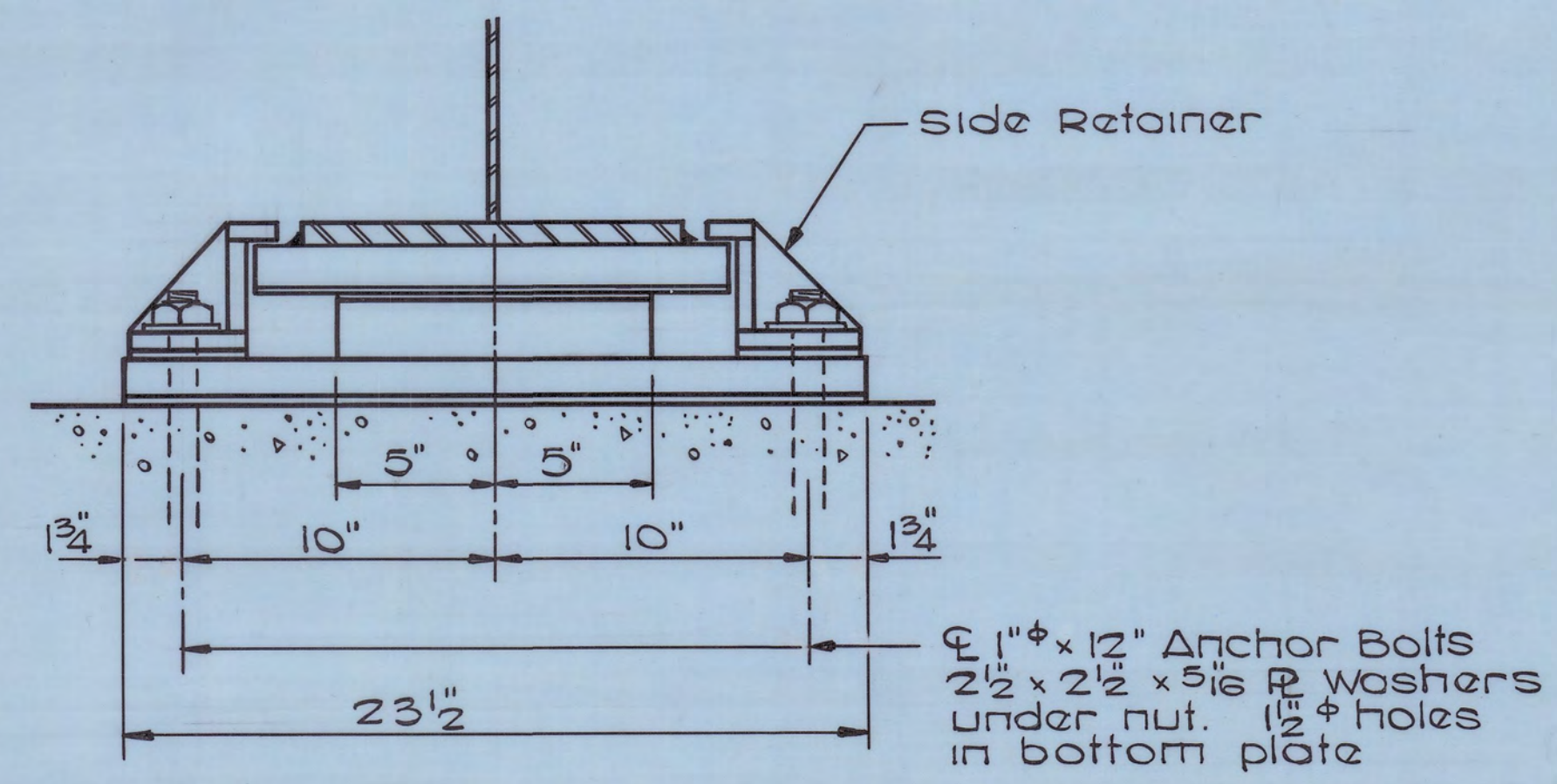
3/4" U.S. Bolts in Web splice  
 7/8" U.S. Bolts in Flange Splices

**STRUCTURAL STEEL DETAILS**  
 MORAINE PARK  
 PEDESTRIAN BRIDGE  
 CITY OF HIGHLAND PARK

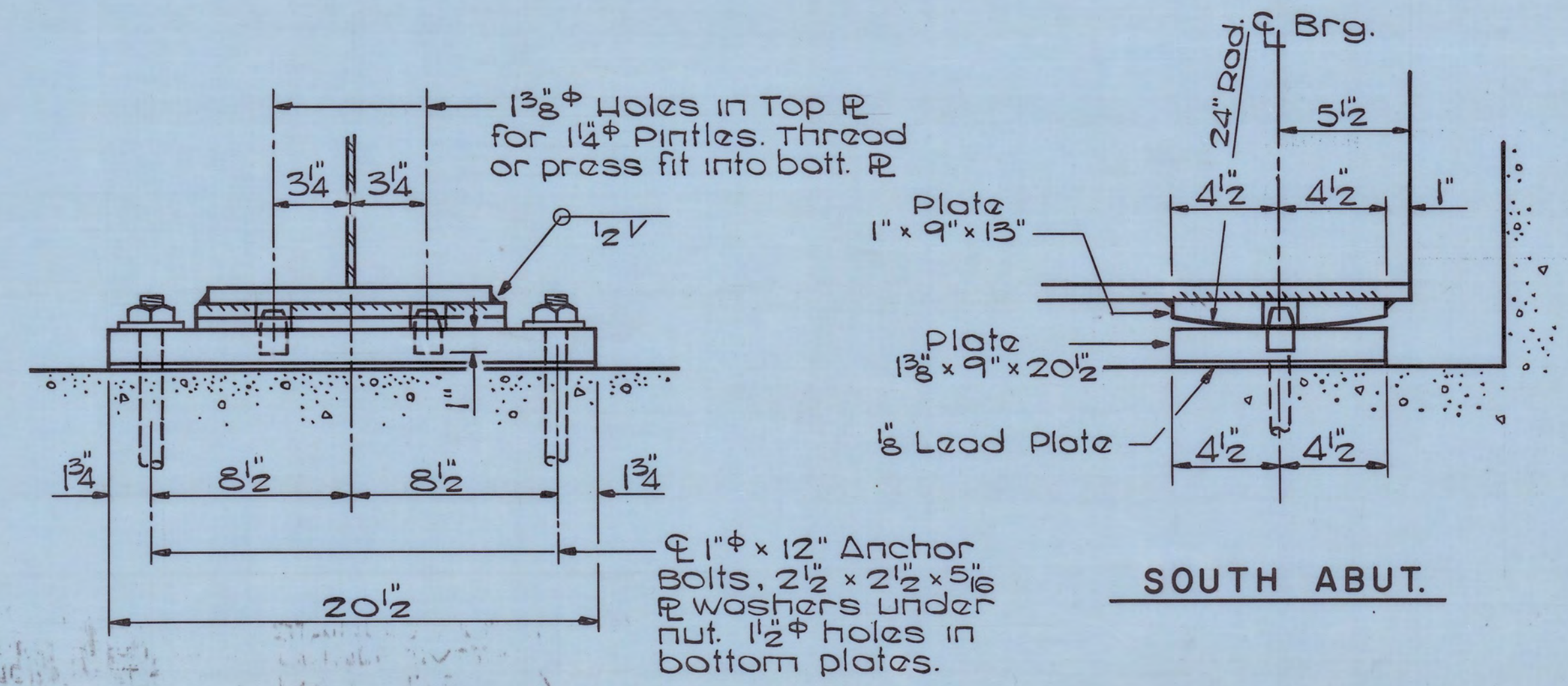
AS BUILT BY March, 1979



**NORTH ABUT.**



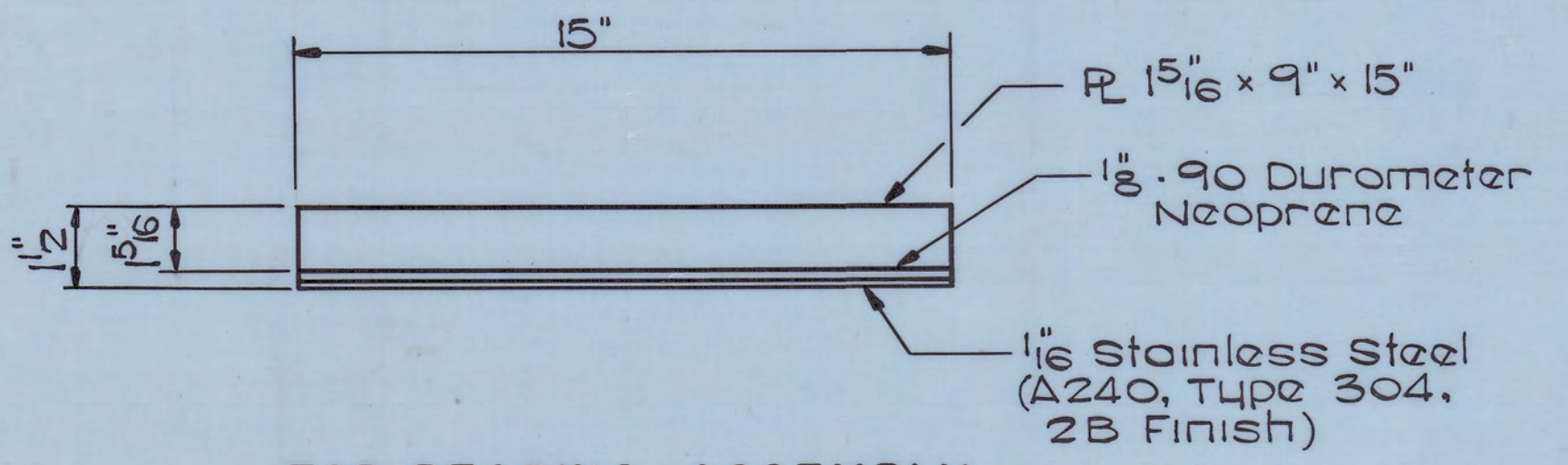
**ELEVATION**



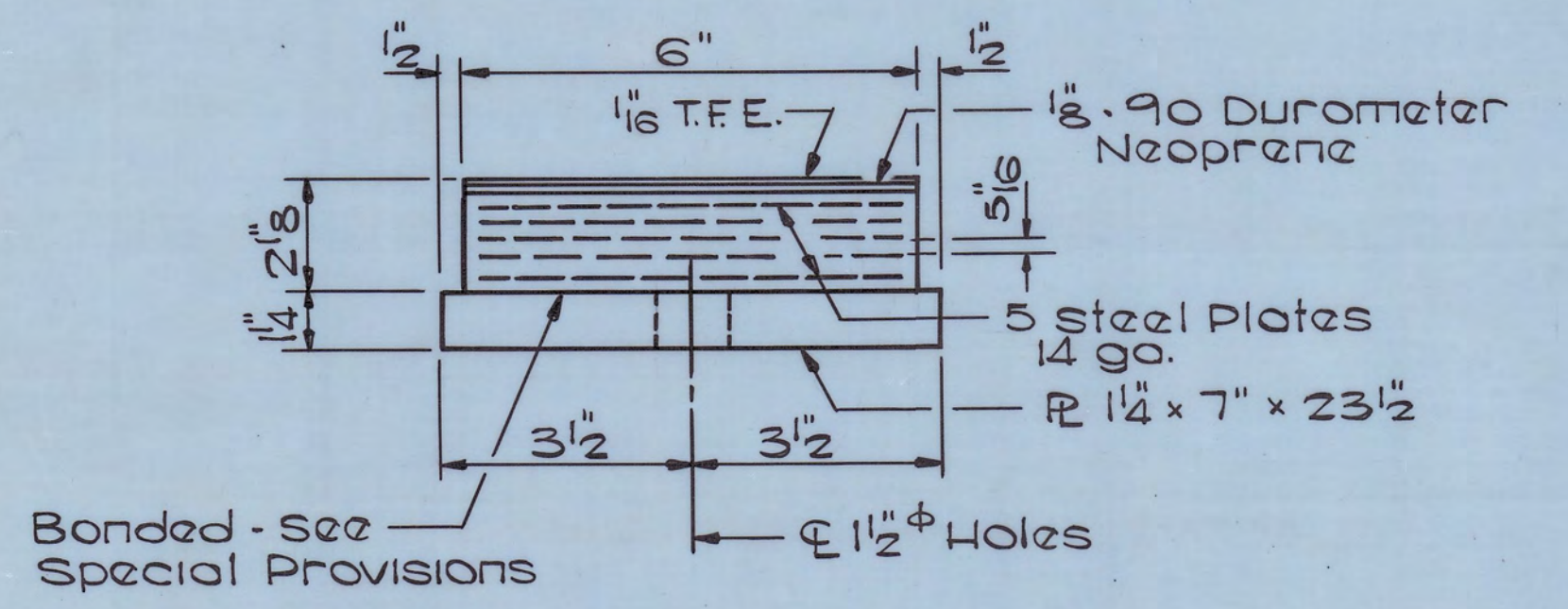
**SOUTH ABUT.**

**ELEVATION**

**ELASTOMERIC EXPAN. BRG.**

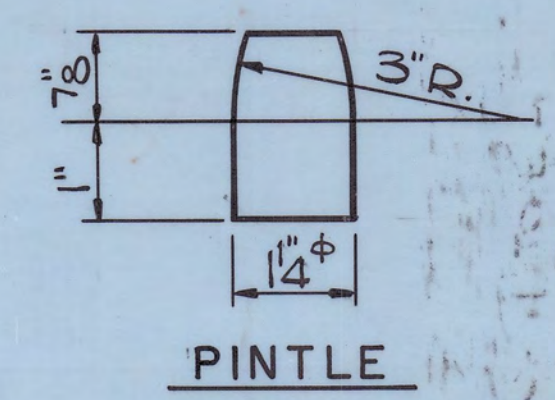


**TOP BEARING ASSEMBLY**

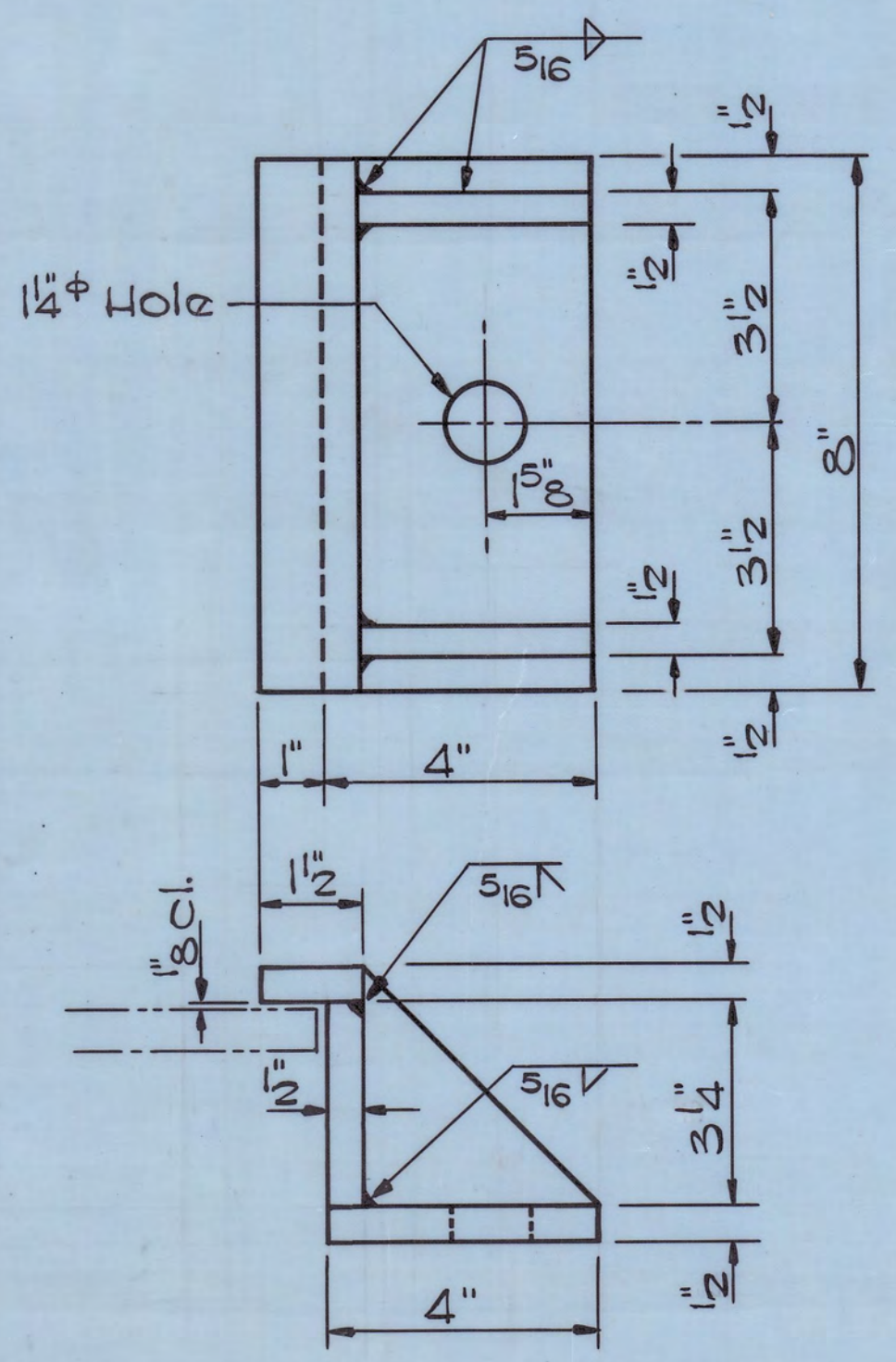


**BOTTOM BEARING ASSEMBLY**

These Elastomeric Bearings contain features for which patents have been granted or applied for. Free license for projects governed by these standards may be obtained by applying to Fel-Pro Incorporated, Skokie, Illinois.



**PINTLE**



**SIDE RETAINER**

**BEARING DETAILS  
MORAIN PARK  
PEDESTRIAN BRIDGE  
CITY OF HIGHLAND PARK**

AS BUILT BY March 1979



**APPENDIX B**

**PHOTO LOG**



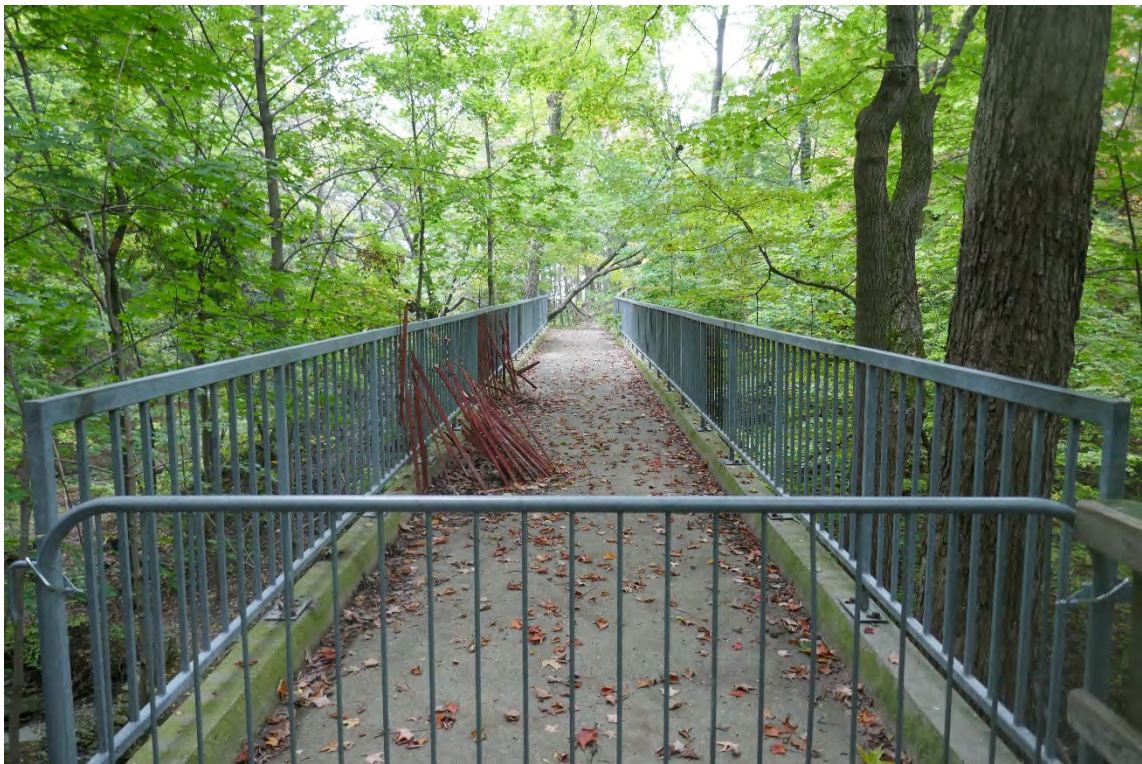
Bridge – Looking West



East Approach – Trees Falling on Path



East Approach – Trees Falling on Path



Bridge – Looking East (Bridge Closed)



South Elevation



North Elevation





Looking North From Bridge



Looking South From Bridge



Transverse Cracking Noted in Top of Deck – 0.02” Max



Typical Railing Condition



Typical Rail Post – Posts Were Previously Embedded, Now All Posts are Connected with Base Plates – Concrete Delaminating/Spalling at Several Posts



Concrete Spalling at Rail Post



Typical Underside of Deck Condition – Minor Transverse Cracking



Typical Underside of Deck and Steel Superstructure (37" Weathering Steel Plate Girders) – Girders, Interior Diaphragms in Good Condition – No Issues Noted





West Abutment



East Abutment – Minor Progression of Erosion at Abutment - Approximately 56" From the Ground to the Top of Beam Seat – Recommend Placing Embankment and Riprap Here



South Corner of East Abutment – Minor Erosion on Side



Erosion Under Path Adjacent to East Abutment



Beam Ends – Good Condition – No Issues Noted



Beam Ends and Bearings– Good Condition – No Issues Noted



Typical Plate Girder Condition – Good Condition, Including Splices – No Issues Noted