

# AUCH Construction

65 University Drive  
Pontiac, MI 48342

(248) 334-2000 Fax (248) 334-3404

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**To:** All Bidders

**From:** Russ Ragone (Project Manager)

**Date:** 4/24/2024

**PROJECT:** Howell Public Schools  
Three Fires Ball Fields

**Regarding:** **ADDENDUM # 2**

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The purpose of this transmittal is to notify all trades that **Addendum No. 2 dated 4/23/2024 has been issued.**

- ITEM NO. 1:** Refer to the following Addendum write-up by Kingscott for the list of changes noted in the drawings and specifications.
- ITEM NO. 2:** **Bid Due Date is Revised!**
- A.** Bids shall be **delivered no later than 12:00 pm Noon (EST) Monday April 29<sup>th</sup>, 2024** to the locations originally noted in the Advertisement For Bids.
  - B.** Bids will be publicly opened and read via Zoom **starting at 2:30 pm (EST) Monday April 29<sup>th</sup>, 2024.** Location of public opening and Zoom access information is the same as originally noted in the Advertisement For Bids.
- ITEM NO. 3:** Revised Instructions To Bidders, Bid Proposal Forms and Scopes of Work.
- ITEM NO. 4:** Architect's responses to RFI's 1, 2, 3, and 4.
- ITEM NO. 5:** Revised Specification Section 32 9227 General Lawn Restoration and revised project drawing sheets from Kingscott and Foresite Design.

**All bidders must acknowledge all Addenda on their bid using the revised forms within the Addendum.**

Please call, if you have any questions.

Phone: (248) 334-2000 Fax: (248) 334-3404

Thank you.

Date: April 23, 2024  
Project: Three Fires Ball Fields  
Owner: Howell Public Schools  
Location: Howell, Michigan  
A/E #: 2600-41A

## **ADDENDUM No. 2**

### **SPECIAL NOTE:**

The Notice to Bidders, Instructions to Bidders, General Conditions of the Contract for Construction, Supplementary Conditions of the Contract for Construction, and all modifications and previously issued Contract Documentation are a part of this Addendum.

### **SCOPE OF WORK:**

The following items are changes, additions, deletions, clarifications and/or errors and omissions in plans and specifications and shall be considered by each Bidder in making up and submitting his proposal. All of these items shall be considered a part of the Contract Documents.

### **NOTICE TO ALL BIDDERS:**

All Bidders shall take note of all items covered by this Addendum. Each Bidder shall review the total scope of his responsibilities with respect to his contract work and his interface with the work of others, as well as his required interface with their work.

### **ATTACHMENTS:**

Specifications: 329227 General Lawn Restoration  
Drawings: L1.04, L1.05, L2.04, L2.05, LD1.01, LD1.02, LD1.03

### **SPECIFICATIONS:**

#### Section 329227 (reissued)

Revise specification to clarify seeded lawn intent.

### **DRAWINGS:**

#### Sheets L1.04, L2.04 (reissued)

Add spot grade elevations in fields as indicated on reissued sheet.

#### Sheets L1.05, L2.05 (reissued)

Revise irrigation legend and callouts for items applicable and not applicable to the project as indicated on reissued sheet.

**KALAMAZOO**  
259 E. Michigan Ave., Suite 308  
Kalamazoo, MI 49007  
T: 800.632.7815

**GRAND RAPIDS**  
801 Broadway NW, Suite 306  
Grand Rapids, MI 49504  
T: 800.632.7815

**CHELSEA**  
300 N. Main Street, Suite 204  
Chelsea, MI 48118  
T: 800.632.7815

**ROYAL OAK**  
818 W. Eleven Mile Road  
Royal Oak, MI 48067  
T: 800.632.7815

Add note to refer to C2.0 Well Enlargement Area.

Sheet LD1.01 (reissued)

Revise Field Layout A to be consistent dimensions with the plan sheets as indicated on reissued sheet.

Sheet LD1.02 (reissued)

Revise note on detail 4 to seed in lieu of sod as indicated on reissued sheet.

Revise notes to delineate draitile is intended for Field Layout A only.

Sheet LD1.03 (reissued)

Revise name of detail 5 as indicated on reissued sheet.

Revise detail 13 to indicate include 6" of backstop fence fabric shall be buried below grade as indicated on reissued sheet.

END OF ADDENDUM

**KALAMAZOO**

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**ADVERTISEMENT FOR BIDS**

Addendum #2

**HOWELL PUBLIC SCHOOLS  
2023 BOND PROGRAM  
THREE FIRES ELEMENTARY SOFTBALL & BASEBALL FIELDS**

Howell Public Schools will receive firm prime contractor bids for the labor materials, equipment, and all other services to complete the following project: Three Fires Elementary Softball & Baseball Fields located at 4125 Crooked Lake Rd., Howell, MI 48843.

The bid documents consist of plans and specifications prepared by Kingscott Associates and Foresite Design. Documents may be downloaded from Pipeline Suite on or after **Wednesday, April 10<sup>th</sup>, 2024**. If you need assistance viewing bid documents or project documents through Pipeline Suite, please contact Kirsten Vincent with AUCH Construction at 248-334-2000. A copy of the documents will also be available for review at the office of the Construction Manager, AUCH Construction, 65 University Drive, Pontiac, MI., 48342, on or after **Wednesday, April 10<sup>th</sup>, 2024**.

**Pre-Bid Meeting:** A Pre-Bid meeting will be held at Three Fires Elementary, 4125 Crooked Lake Rd., Howell, MI 48843, on **Monday, April 22<sup>th</sup>, 2024 at 12:30 PM**. Please meet at the open field on the North end of the North parking lot, which is on the North side of Three Fires Elementary School; walk-through will commence shortly after 12:30 pm.

Each Proposal must be submitted in duplicate on the forms furnished by the Construction Manager, and must be completed in full. An opaque envelope bearing your proposal must identify **your company**, the **project name**, the **proposal being bid** and be addressed and delivered to:

Howell Public Schools  
411 N. Highlander Way; Suite D  
Howell, MI 48843

**Attn:** Mr. Paul Pominville, Assistant Superintendent of Operations and Technology  
**Project:** Three Fires Elementary Softball & Baseball Fields

or delivered to the offices of AUCH Construction, 65 University Dr., Pontiac, MI 48342

Bids must be delivered no later than **12:00 noon (EST), Monday, April 29<sup>th</sup>, 2024** to the locations indicated above. The Board of Education will not accept bids submitted after the date and time specified for bid submission. All late bid proposals will be returned to the bidder unopened.

A bid bond executed by a **U.S. Treasury listed surety company** acceptable to the owner, or a cashier's check in the amount of at least 5% of the sum of the proposal payable to Howell Public Schools shall be submitted with each proposal in excess of **\$29,572.00**. All proposals shall be firm for a period of sixty (60) days.

Bids must be accompanied by a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the bidder and any member of the board or the superintendent. Additionally, bids shall be accompanied by a sworn and notarized statement for the Iran Economic Sanctions Act Affidavit of Compliance and Equal Opportunity Statement. Bids not accompanied by these documents will not be accepted.

Bids will be publicly opened and read via Zoom at a public meeting held at the Howell Public Schools Admin Building starting at 2:30 PM (EST) on Monday, April 29th, 2024. To access the Zoom meeting, go online to zoom.us or open the zoom app and select the option to join meeting. Enter the meeting ID: 248 506 1196 when prompted. Please contact Russ Ragone at rragone@auchconstruction.com or 248-334-2000 with any questions on how to access this meeting.

Successful bidders whose proposals are \$50,000 or more will be required to furnish a Satisfactory Performance and Payment Bond in the amount of 100% of their bid. The cost of the Bond shall be included in each proposal.

The Board of Education reserves the right to reject any and/or all bids in whole or in part and to waive any informality therein. The Board of Education reserves the right to accept that bid which in its opinion is in the best interest of the Owner, or to award the contract to an alternate bidder other than the bidder(s) submitting the best financial Bid (low bidder) in its sole and absolute discretion.

Board of Education  
Howell Public Schools

**CM – INSTRUCTIONS TO BIDDERS**

DATE: April 10, 2024

PROJECT: **HOWELL PUBLIC SCHOOLS  
2023 BOND PROGRAM  
THREE FIRES ELEMENTARY SOFTBALL & BASEBALL FIELDS**

DESCRIPTION:  
TRADES

**Proposal A: Sitework and Irrigation**  
**Proposal B: Fencing**  
~~**Proposal C: Electrical**~~

See Scopes of Work as listed in Proposal Forms.  
All bidders are advised to make note of project schedule and completion date.

OWNER: HOWELL PUBLIC SCHOOLS  
411 N. Highlander Way  
Howell, MI 48834

CM: AUCH CONSTRUCTION  
65 University Drive  
Pontiac, MI 48342  
248-334-2000 Fax: 248-334-3404  
Russ Ragone, Project Manager

ARCHITECT: KINGSCOTT ASSOCIATES  
259 E. Michigan Ave., Suite 308  
Kalamazoo, MI 49007  
Steve Lucas, Construction Administrator

BIDDING  
PROCEDURE:

It is mandatory that the specific procedures be followed. These are summarized here:

1. Sealed bids on **forms provided**, in duplicate. Envelope must show your company name, project name and category of work bid. Address to:

HOWELL PUBLIC SCHOOLS  
411 N. Highlander Way  
Howell, MI 48843  
Attention: Paul Pominville, Assistant Superintendent of Operations and Technology

2. Bids over **\$29,572.00** must be accompanied with either a certified check or a Treasury Listed security bid bond in the amount of 5% of bid amount. Please include this. Bids received without this guaranty will not be read or considered.
3. Successful bidders for work in excess of \$50,000 will be required to provide Payment and Performance Bonds issued by sureties approved by the U.S. Treasury Department and licensed to do business in Michigan. Sureties must be acceptable to the CM and Howell Public Schools. Refer to the General Conditions of the Contract for Construction for the detailed requirements of the Payment & Performance Bonds.

4. Bids due by or before **12:00 PM, Monday April 29<sup>th</sup>, 2024** at the Howell Public Schools Administration Offices, 411 N. Highlander Way, Suite D, Howell, MI 48843. The sealed bids will also be accepted at the business office of AUCH Construction; 65 University, Pontiac, MI 48342 until **12:00 noon on Monday April 29<sup>th</sup>, 2024.**

**Addendum #2**

5. Bids will be publicly opened and read via Zoom at a meeting convened at the Howell Public Schools Administrative Offices starting at **2:30 PM April 29<sup>th</sup>, 2024**. To access the Zoom meeting, go online to zoom.us or open the zoom app and select the option to join meeting. Enter the meeting ID: 248 506 1196 when prompted. Please contact Russ Ragone at rragone@auchconstruction.com or 248-334-2000 with any questions regarding this meeting.
6. A Pre-Bid meeting will be held at Three Fires Elementary; 4125 Crooked Lake Rd., Howell MI, 48843 at the open field on the North end of the North parking lot, which is on the North side of Three Fires Elementary School, **April 22<sup>nd</sup>, 2024 at 12:30 PM**
7. No proposal shall be withdrawn for a period of 60 days from date of bid.
8. **Bid must include a signed and notarized Familial Disclosure Statement and Iran Economic Sanctions Act Affidavit of Compliance as well as a signed Equal Opportunity Statement.**

CONTRACTOR'S  
QUALIFICATION  
STATEMENT:

Contractor may be required to provide the following documents as part of post bid evaluation; failure to provide said documents may disqualify contractor for consideration for award of contract:

1. AIA qualification statement and supplemental information as requested.
2. Contractor may be required to provide (3) three years financial statements prepared by an independent Certified Public Accountant.
3. Contractors shall provide, at the request of the Construction Manager, evidence of the successful completion of the projects over the past (5) five years of similar size, scope and value to this project. Work under those projects must have been performed by its own workforce and under the company name.

TAXES:

This project is **not** tax exempt. All applicable rates, use, employment and other applicable taxes are to be included in your proposal.

BIDDING  
DOCUMENTS:

The bidding documents consist of plans & specs prepared by Kingscott Associates, 259 E. Michigan Ave., Suite 308, Kalamazoo, MI 48843. Documents may be downloaded from Pipeline Suites. Contact Kirsten Vincent at AUCH Construction at 248-334-2000 if you need assistance viewing or obtaining documents from Pipeline Suites. A copy of the documents will also be available for review at the offices of AUCH Construction, 65 University Drive, Pontiac, MI, 48342 on or after April 10<sup>th</sup>, 2024.

QUESTIONS, OR  
DISCREPANCIES:

Drawings and Specifications remain the property of the Architect.

Should a bidder find discrepancies or ambiguities in, or omissions from the Contract Documents, or should it be in doubt as to their true meaning, it shall notify the Architect or C.M. at once, or in any case not less than seven (7) days before the proposal due date. The Architect shall review same where information sought is not clearly indicated or specified, and shall distribute an addendum to all bidders of record. Neither the Owner, Architect, nor the C.M. shall be responsible for any oral instructions. No addendum will be issued later than two (2) days prior to bid due date.

Bidder shall submit with their bid proposal, **a signed and notarized Familial Disclosure Statement and Iran Economic Sanctions Act Affidavit of Compliance as well as a signed Equal Opportunity Statement.**

Howell Public Schools reserves the right to reject any and/or all bids in whole or in part and to waive any informality therein. Howell Public Schools reserves the right to accept that bid which in its opinion is in the best interest of the Owner.

**Addendum #2**

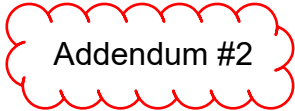
CONTRACTOR  
MILESTONE  
SCHEDULE:

Contractors will abide by schedule requirements:

- Post-bid review conference:
- Contracts to be awarded on or about:
- Submittals Complete:
- Construction Start:
- Seeding
- Substantial Completion :
- Training & Closeouts by:

April 30-May 1, 2024  
May 14<sup>th</sup>, 2024  
May 31<sup>st</sup>, 2024  
June 1<sup>st</sup>, 2024  
September 1<sup>st</sup>, 2024 (or sooner)  
November 15<sup>th</sup>, 2024  
November 30<sup>th</sup>, 2024

END OF SECTION



BID PROPOSAL FORM FOR TRADE CONTRACTS

**Note: This sheet, proposal sheet and last two sheets of this proposal form must be filled in to be complete. Incomplete proposals may be disqualified.**

NAME OF BIDDER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/STATE/ZIP: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

CONSTRUCTION  
MANAGER:                   AUCH CONSTRUCTION  
65 University Drive  
Pontiac, MI 48342  
Attn: Russ Ragone, Project Manager

ARCHITECT:                KINGSCOTT ASSOCIATES  
259 E. Michigan Ave., SUITE 308  
Kalamazoo, MI 49007  
Attn: Steve Lucas, Construction Administrator

PROPOSAL:                Pursuant to and in compliance with the instructions to bidders and contract documents for the above-named project, the undersigned agrees to enter into a contract with the Howell Public Schools.

The undersigned hereby acknowledges that his proposal, as stated below, includes all the labor and services required and only those materials in compliance with the specifications and shown on the drawings.

The undersigned acknowledges that he has carefully examined the drawings and specifications and visited the site to fully inform himself of all existing conditions and limitations, and that his proposal includes a sum to cover the cost of all items included in the contract.

The undersigned further agrees to commence work on the project following the signing of the contract or within five working days thereof.

The undersigned agrees to coordinate, properly schedule and complete his portion of the work in compliance with the project schedule.



**HOWELL PUBLIC SCHOOLS**

2023 Bond Program

Three Fires Elementary Softball & Baseball Fields

Addendum #2

**GENERAL NOTES**  
(Applicable to all Bid Items)

- A. The Contractor shall be deemed to be aware of, and include the cost for, all state and local laws, codes, ordinances, building rules and regulations, and other statutory provisions, all as are or may become applicable to the Work.
- B. Contractor shall coordinate with other trades that affect the installation of the Work, and with the Construction Manager.
- C. The Construction Manager shall provide batter boards, key baseline and working points, and benchmark. All other layout to be provided by the Contractor.
- D. Bidders shall exclude costs of testing from bid unless required by the proposal form or the trade specification, and shall cooperate with testing agency hired by the Construction Manager.
- E. Each Trade Contractor shall cooperate and coordinate with other contractors for expedient completion of the Work of this project.
- F. The Scope of Work for each Bid Item includes any hoisting, delivery, handling and/or storage requirements.
- G. Schedule and sequence manpower loading, and prefabrication and erection of work shall be in accordance with the construction completion dates and as indicated on the construction schedule.
- H. The Scope of Work for each Bid Item includes cleaning and maintaining streets free of dirt, mud, gravel and other debris caused by the Work of that Bid Item. Contractors are cautioned that local authorities intend to enforce local ordinances in this regard, and violators will be ticketed and prosecuted.
- I. The Scope of Work for each Bid Item includes strict adherence to the safety requirements and considerations as defined in the General Conditions and Supplementary General Conditions.
- J. Each Contractor shall review existing building and site conditions prior to commencing the Work and advise Construction Manager of any claim to changes in the Work within three (3) calendar days therefore, or waive its right for claim for changes in the existing site condition. Each Contractor shall be responsible for restoring site to its original conditions upon completion of its work.
- K. All excess materials shall be legally disposed of off-site, unless otherwise indicated in the contract documents.
- L. All bidders are required to review and provide pricing for (where applicable) the alternate work itemized on the Bid Proposal Form with their bids. Material and equipment suppliers are requested to list the total State of Michigan sales and use tax included in their proposal.
- M. The apparent low bidders shall furnish a list of subcontractors and suppliers within 3 days of request for same.
- N. The Contractor is committed to nondiscrimination in employment. All qualified applicants are welcome to apply for jobs with the Contractor. The Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, physical impairment, national origin, height, weight, or marital status.
- O. Summary.  
All bidders are expected to familiarize themselves with the Instruction to Bidders, this Bid Proposal Form as applicable, General and Supplementary Conditions, and the drawings and technical specifications covering their work. The following proposal sheets summarize the general scope of work in an attempt to help define the work of the separate trade contractors. The individual trade proposal forms are a guide to the scope of work, but are not intended to be all inclusive of the work to be covered.

**PROPOSAL A: Sitework and Irrigation**

The scope of work shall include the following specification sections in their entirety, unless specifically stated as being excluded by this scope of work.

CM Supplementary Conditions

General Conditions

Division 01 – General Requirements (including **Alternates**)

Specification Section 033000 – Cast In Place Concrete

Specification Section 107516 – Flag Pole

Specification Section 116838 – Ballfield Equipment

Specification Section 129305 – Aluminum Bench

Specification Section 311500 – Site Clearing

Specification Section 312000 – Earthwork

Specification Section 312319 – Dewatering

Specification Section 321124 – Aggregate Base Course

Specification Section 321820 – Infield Mix

Specification Section 328400 – Underground Irrigation (Natural Grass)

Specification Section 329119 – Topsoil

Specification Section 329227 – General Lawn Restoration

Specification Section 334413 – Manholes, Catchbasins and Similar Structures

Specification Section 334600 – Subdrainage Systems (Sand)

Specification Section 334605 – Subdrainage System (Peastone)

This proposal's scope of work includes, but is not limited to, the following items:

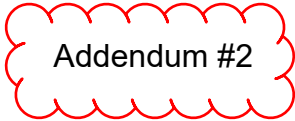
**GENERAL SCOPE:**

1. Provide all labor, material & equipment necessary to complete the sitework and irrigation scope of work.
2. Provide all submittal documents, shop drawings, certificates, etc. required for this package's scope of work immediately after award of contract.
3. Provide and coordinate all required permits, inspections, and testing related to this package's scope of work.
4. Provide all SESC measures, including permits, maintenance logs, and removal as required by authorities having jurisdiction. Install SESC measures prior to commencement of work and maintain throughout the duration of the entire project.
5. Provide coordination with all other contractors for this project, including the fencing contractor and the electrical contractor who's scope is integrated with Alternate #1 and the concrete pad provided by this contractor.
6. Provide material / system mock-ups as necessary, specified, or requested.
7. Provide engineering and layout as required to complete this work. Layout points of reference will be provided prior to commencement of work. All other layout and establishment of grades and elevations will be provided by this contractor. Including contacting of Miss Dig to stake existing utilities. Also include a private utility locator and underground structure locator prior to excavations or digging of any kind.
8. Provide photo documentation of existing conditions prior to mobilization.
9. Provide all site clearing, grading and regrading per the project documents.
10. Provide removal off-site of existing soils and debris removed during regrading activities that are unsuitable for reuse on this project.
11. Provide all soils as required for grading and regrading per the project documents.
12. Provide dewatering as necessary for this proposal's work.
13. Provide all aggregate base, infield mix, grass/lawn seeding, etc. as indicated on the project documents.
14. Provide restoration of grass/lawn areas around the perimeter of the project site that was disturbed/damaged by this contractor's activities.
15. Provide the irrigation well, including all required components.
16. Provide all irrigation system components for a complete installation per the project documents, including thrust blocks and necessary means of extending the system underneath the creek over to the Northeast ball fields.
17. Provide all ballfield equipment including, but not limited to, pitchers plates, base plates, batters plates, aluminum benches, etc.

**HOWELL PUBLIC SCHOOLS**

2023 Bond Program

Three Fires Elementary Softball & Baseball Fields



- 18. Provide all layers and clay materials for the batter's boxes and pitcher's mounds per the project documents.
- 19. Provide the flag pole Complete per the project documents.
- 20. Provide all infield and outfield drainage systems per the project documents.
- 21. Provide all concrete and base materials as indicated throughout the project documents.
- 22. Provide all manholes, manhole steps, catch basins, inlet castings, etc. as indicated on the project documents.
- 23. Provide all components and scope of work identified as Alternate No. 1 in the project documents including the concrete pad, gravel drive, gravel dumpster pad, and new North stream culvert.
- 24. Include with the scope of work for Alternate No. 1 site clearing and brush hogging (the area that extends from the concrete pad, around the retention pond (for the fence contractor), and to the creek where the new North culvert is to be installed, complete removal of trees and brush for installation of the new North creek culvert, etc. as necessary.
- 25. Provide all components and scope of work necessary for Alternate No. 2 that includes replacement of the existing South stream culvert, all necessary site clearing, tree removal, etc. as necessary.
- 26. Provide traffic and pedestrian control measures as needed for this Proposal's work.
- 27. Provide daily cleanup, legal removal and disposal of all rubbish and debris generated by this work, including dumpsters. Dumpsters to be placed on asphalt or concrete must have plywood placed under them, coordinated with the CM Superintendent, and removed as necessary or directed by the CM Superintendent. Maintain streets, parking lots, etc. that are affected by this contractors work free from dirt, mud, and gravel. Cleanup and frequency, including power sweeping as necessary, in the construction and staging areas to be coordinated with the CM Superintendent.
- 28. Provide all closeout documents, training, attic stock, warranties, as-built drawings, etc. as required.
- 29. Architect's responses to RFI's 1, 2, 3, and 4 attached as part of the distribution of Addendum #2.

The scope of work shall specifically exclude the following items:

- 1. Fencing systems.
- 2. Concrete for installation of fence posts.

**Three Fires Elementary Softball & Baseball Fields**

**TOTAL FOR PROPOSAL A: \$ \_\_\_\_\_**  
(SITEWORK AND IRRIGATION)

**ALTERNATES:**

**Alternate No. 1:** Provide concrete pad, gravel drive, gravel dumpster pad, and new North stream culvert.

Alternate No. 1: \$ \_\_\_\_\_ ADD

**Alternate No. 2:** Provide replacement of the existing South stream culvert.

Alternate No. 2: \$ \_\_\_\_\_ ADD

Alternate No. 3: N/A

Alternate No. 4: N/A

Alternate No. 5: N/A

**PROPOSAL B: Fencing**

The scope of work shall include the following specification sections in their entirety, unless specifically stated as being excluded by this scope of work.

- CM Supplementary Conditions
- General Conditions
- Division 01 – General Requirements (including **Alternates**)
- Specification Section 033000 – Cast In Place Concrete (as related to fence posts)
- Specification Section 323104 – Chainlink Fence – Baseball/Softball
- Specification Section 323130 – Vinyl Clad Chainlink Fence

This proposal's scope of work includes, but is not limited to, the following items:

**GENERAL SCOPE:**

1. Provide all labor, material & equipment necessary to complete the fencing scope of work including, but not limited to, all fence posts, dugout posts, line posts, foul poles, etc.
2. Provide all submittal documents, shop drawings, certificates, etc. required for this package's scope of work immediately after award of contract.
3. Provide and coordinate all required permits, inspections, and testing related to this package's scope of work.
4. Provide material / system mock-ups as necessary, specified, or requested.
5. Provide engineering and layout as required to complete this work. Layout points of reference will be provided prior to commencement of work. All other layout and establishment of grades and elevations will be provided by this contractor. Including contacting of Miss Dig to stake existing utilities. Also include a private utility and underground structure locator prior to excavations or digging of any kind.
6. Provide all concrete per the specifications as it relates to installation of the fence posts and all posts/poles included in this contractor's scope of work.
7. Provide all fence post caulking as required.
8. Provide fence plungers for gates.
9. ~~Provide the sun screening / mesh shading over the dugouts.~~
10. Coordinate installation of fence posts, dugout posts, line posts, foul poles, etc. separate from installation of the fencing with the CM Superintendent and the sitework contractor. Multiple mobilizations may be required and are to be included.
11. Provide daily cleanup, legal removal and disposal of all rubbish and debris generated by this work.
12. Provide all closeout documents, training, attic stock, warranties, as-built drawings, etc. as required.

The scope of work shall specifically exclude the following items:

1. N/A

**Three Fires Elementary Softball & Baseball Fields**

**TOTAL FOR PROPOSAL B: \$ \_\_\_\_\_**  
(FENCING)

**ALTERNATES (Five -5- Total):**

**Alternate No. 1:** Provide fencing Complete with a 10'-0" double gate around the perimeter of the existing retention pond.

Alternate No. 1: \$ \_\_\_\_\_ ADD

Alternate No. 2: N/A

**HOWELL PUBLIC SCHOOLS**

2023 Bond Program

Three Fires Elementary Softball & Baseball Fields

**Addendum #2**

**Alternate No. 3:** All ~~perimeter~~ chain-link fencing for the New ballfields to be black vinyl coated. Fencing as part of Alternate No. 2 is excluded.

Alternate No. 3: \$ \_\_\_\_\_ ADD

**Alternate No. 4:** Provide perimeter galvanized chain-link fencing Complete for two existing ballfields, located in the Southeast portion of the site.

Alternate No. 4: \$ \_\_\_\_\_ ADD

**Alternate No. 5:** Provide perimeter black vinyl coated chain-link fencing Complete around the two existing ballfields, located in the Southeast portion of the site.

Alternate No. 5: \$ \_\_\_\_\_ ADD

**PROPOSAL C: Electrical**

The scope of work shall include the following specification sections in their entirety, unless specifically stated as being excluded by this scope of work.

- CM Supplementary Conditions
- General Conditions
- Division 01 – General Requirements (including **Alternates**)
- Division 26 – Complete

This proposal's scope of work includes, but is not limited to, the following items:

**GENERAL SCOPE:**

1. Provide all labor, material & equipment necessary to complete the electrical scope of work.
2. Provide all submittal documents, shop drawings, certificates, etc. required for this package's scope of work immediately after award of contract.
3. Provide and coordinate all required permits, inspections, and testing related to this package's scope of work.
4. Provide engineering and layout as required to complete this work. Layout points of reference will be provided prior to commencement of work. All other layout and establishment of grades and elevations will be provided by this contractor. Including contacting of Miss Dig to stake existing utilities. Also include a private utility and underground structure locator prior to excavations or digging of any kind.
5. Provide all electrical equipment, switches, breakers, transformers, panels, conduit, sleeves, temporary support structures, etc. to complete this proposal's scope of work.
6. Provide coring as necessary to complete this proposal's scope of work. Include sleeves, sealants, fire caulking, etc. of penetrations as necessary.
7. Provide the complete scope of work necessary to directional bore the underground electrical as indicated on the project documents. Include directional bore of an underground conduit for future low voltage wiring as indicated. Include identification of and routing around all existing underground structures, even if not shown on the project documents.
8. Provide final electrical connections to the irrigation well pump and irrigation booster pump.
9. Provide daily cleanup, legal removal and disposal of all rubbish and debris generated by this work.
10. Provide all closeout documents, training, attic stock, warranties, as-built drawings, etc. as required.

The scope of work shall specifically exclude the following items:

1. N/A

**Three Fires Elementary Softball & Baseball Fields**

**TOTAL FOR PROPOSAL C: \$ \_\_\_\_\_**  
(ELECTRICAL)

**ALTERNATES:**

- Alternate No. 1: N/A
- Alternate No. 2: N/A
- Alternate No. 3: N/A
- Alternate No. 4: N/A
- Alternate No. 5: N/A

**HOWELL PUBLIC SCHOOLS**

2023 Bond Program

Three Fires Elementary Softball & Baseball Fields

**Addendum #2**

**CHANGES IN THE WORK:** The prices listed above are to include overhead and profit. For authorized changes in the work involving additions to or deductions from the contract price, the bidder agrees to perform or delete such authorized work at net cost to him plus the following percentage of net cost. Percentages shall be considered to be all direct costs. Taxes, social security payments, and insurance premiums shall not be considered direct costs.

For work by Subcontractor's own forces - Maximum 10%

Involving Additions \_\_\_\_\_ percent

Involving Deductions \_\_\_\_\_ percent

For work under subcontract – Maximum 7%

Involving Additions \_\_\_\_\_ percent

Involving Deductions \_\_\_\_\_ percent

**SUBSTITUTIONS:** See Schedule 'A' at sheet following end of this Proposal Form for voluntary alternates and/or substitutions.

**ADDENDA:** If addenda have been received during the bidding period, the bidder shall fill in their numbers and dates, which will be an acknowledgment of his having received same and included in this proposal the work involved.

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

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

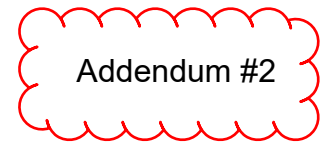
Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

**LABOR, MATL AND PERFORMANCE BONDS:** Successful bidders whose proposals are \$50,000 or more are required to furnish a satisfactory Performance and Payment Bond in the amount of 100% of their bid. The cost of the bond shall be included in each proposal and stated below in total.

Bond Premium \$ \_\_\_\_\_

Successful bidders will provide Payment and Performance Bonds issued by sureties listed by the Treasury Department and licensed to do business in Michigan. Sureties must be acceptable to the CM and Howell Public Schools.

**TAXES:** The bidder shall include all applicable federal, state and municipal sales and excise taxes.



**CONTRACTOR  
MILESTONE  
SCHEDULE:**

Contractors will abide by schedule requirements:

- Post-bid review conference: April 30-May 1, 2024
- Contracts to be awarded on or about: May 14<sup>th</sup>, 2024
- Submittals Complete: May 31<sup>st</sup>, 2024
- Construction Start: June 1<sup>st</sup>, 2024
- Seeding: September 1<sup>st</sup>, 2024 (or sooner)
- Substantial Completion : November 15<sup>th</sup>, 2024
- Training & Closeouts by: November 30<sup>th</sup>, 2024

**PROPOSAL GUARANTEE:** A certified or cashier's check payable to "Howell Public Schools" or a satisfactory bid bond executed by the bidder by a Treasury listed surety company in the amount of five percent (5%) of the bid shall be included with any proposal in excess of **\$29,572.00**

No proposal shall be withdrawn for a period of 60 days from the date of bid.

Accompanying this proposal is a proposal guarantee, as required, consisting of:

\_\_\_\_\_

**ACCEPTANCE OF  
PROPOSAL:**

The Owner reserves the right to reject any and/or all bids and to waive any informalities should it be deemed in its best interest to do so.

Upon receipt of written notice of the acceptance of this bid, the bidder will execute the formal contract within 10 days.

Respectfully submitted,

Company: \_\_\_\_\_

Name: \_\_\_\_\_

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

Date: \_\_\_\_\_

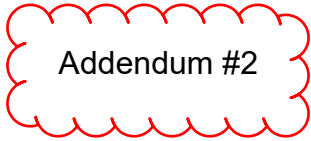
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

**INSTRUCTIONS:** Submit two copies and retain one for your file.  
**INCOMPLETE PROPOSALS MAY BE DISQUALIFIED**

**\*\*END OF PROPOSAL\*\***





SCHEDULE 'A'

VOLUNTARY ALTERNATES / SUBSTITUTIONS

NOTE: Value Engineering is encouraged.

The Bidder proposes the following Voluntary Alternates for the sums to be deleted from the Base Bid as stated below:

VOLUNTARY ALTERNATE NO. 1:

which would save the Owner

\_\_\_\_\_ ( \_\_\_\_\_ ) Dollars

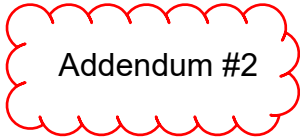
VOLUNTARY ALTERNATE NO. 2:

which would save the Owner

\_\_\_\_\_ ( \_\_\_\_\_ ) Dollars

The Bidder proposes the above Alternate for the following reason:

The Bidder requests acceptance of the following substitutions: (Attach)



EQUAL OPPORTUNITY STATEMENT

Howell Public Schools authority:

It is the publicly stated policy of \_\_\_\_\_ not to discriminate against any employee, applicant for employment, contractor, or material supplier, because of race, religion, color, national origin, ancestry or sex. With regard to employment, such non-discrimination includes, but is not limited to, our (my) policies of recruitment, recruitment, advertising, selection for apprenticeship or other training, rates of pay, promotion, transfer, lay-off or termination.

In all advertising for employment, subcontractors, or suppliers we (1) shall state that all applicants or respondents will receive consideration without regard to race, religion, color, national origin, ancestry or sex.

We (I) understand that any contract for the **Howell Public Schools – Three Fires Elementary Softball & Baseball Fields** shall be in consideration of our maintaining the above mentioned non-discrimination policy.

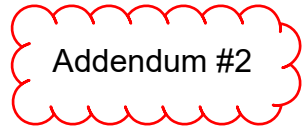
We (I) understand that we (I) may be required to submit further information covering the race, color and work classification for our employees and those of our sub-contractors to be employed on this project.

NAME OF BIDDER (COMPANY): \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

NAME: \_\_\_\_\_  
(Typed or Printed)

TITLE: \_\_\_\_\_



**FAMILIAL DISCLOSURE FORM**

**All bidders must complete the following disclosure form in compliance with MCL 380.1267 and attach this information to the bid.**

By the attached sworn and notarized statement, we are disclosing the following familial relationship(s) that exists between the owner or any employee of the bidder and any member of the Howell Public School Board of Education, or Board of Directors or the superintendent of the school district, immediate superintendent of the intermediate school district, or chief executive officer of the public school academy.

Disclose any familial relationship and complete the form below in its entirety:

The following are familial relationships as described above (provide employee name, family contact name, family contact position, and familial relationship or NONE).

**NONE**

-OR-

	<b>Owner/ Employee Name</b>	<b>Related To:</b>	<b>Relationship</b>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

Signature(s) \_\_\_\_\_

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

Name of Firm: \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
 ) SS  
 COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me a Notary Public in and for said county, personally appeared \_\_\_\_\_, agent of the said firm

\_\_\_\_\_ and who acknowledged the same to be his free act and deed as such agent.

\_\_\_\_\_  
 Notary Public

My Commission Expires \_\_\_\_\_

\_\_\_\_\_





**AUCH Construction**  
 65 University Drive  
 Pontiac, Michigan 48342  
 P: (248) 334-2000  
 F: (248) 334-3404

**Project: 9598 HPS - Three Fires ES Ball Fields**  
 1200 West Grand River Ave.  
 Howell, Michigan 48843

## RFI #1: Pre-Bid RFI : NE Fields Outfield Drain Tile

<b>Status</b>	Open		
<b>To</b>	Steve Lucas (Kingscott Associates, Inc)	<b>From</b>	Russ Ragone (AUCH Construction) 65 University Dr. Pontiac, Michigan 48342
<b>Date Initiated</b>	Apr 18, 2024	<b>Due Date</b>	Apr 23, 2024
<b>Location</b>		<b>Project Stage</b>	Bidding
<b>Cost Impact</b>		<b>Schedule Impact</b>	
<b>Spec Section</b>		<b>Cost Code</b>	
<b>Drawing Number</b>		<b>Reference</b>	
<b>Linked Drawings</b>			
<b>Received From</b>	Russ Ragone (AUCH Construction)		
<b>Copies To</b>	Steve Lucas (Kingscott Associates, Inc), Paul Pominville (Howell Public Schools)		

### Activity

#### Question

**Question from Russ Ragone AUCH Construction on Thursday, Apr 18, 2024 at 12:00 PM EDT**  
 This is a Pre-Bid RFI for the HPS Three Fires Ball Fields project.

Sheet L1.01 contains notes at each of the outfields stating No Irrigation and No Drain Tile; however, for the NE fields on sheet L1.05 drain tile is included in the design of the outfield.

Please clarify.

*Awaiting an Official Response*

The intent is for fields noted as Field Layout A to have draintile. Note revision on sheet L1.01 will be forthcoming in Addendum. Response by: H. Durchik



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 Howell, Michigan 48843

## RFI #2: Pre-Bid RFI : Clean Fill Note for NE Fields

<b>Status</b>	Open		
<b>To</b>	Steve Lucas (Kingscott Associates, Inc)	<b>From</b>	Russ Ragone (AUCH Construction) 65 University Dr. Pontiac, Michigan 48342
<b>Date Initiated</b>	Apr 18, 2024	<b>Due Date</b>	Apr 23, 2024
<b>Location</b>		<b>Project Stage</b>	Bidding
<b>Cost Impact</b>		<b>Schedule Impact</b>	
<b>Spec Section</b>		<b>Cost Code</b>	
<b>Drawing Number</b>		<b>Reference</b>	
<b>Linked Drawings</b>			
<b>Received From</b>	Russ Ragone (AUCH Construction)		
<b>Copies To</b>	Steve Lucas (Kingscott Associates, Inc), Paul Pominville (Howell Public Schools)		

### Activity

#### Question

**Question from Russ Ragone AUCH Construction on Thursday, Apr 18, 2024 at 12:13 PM EDT**

This is a Pre-Bid RFI for the HPS Three Fires Ball Fields project.

Detail 5 on sheet LD1.02 indicates for "clean fill" to be placed prior to drain tile installation. The clean fill depth appears to be approximately 6"; however, a required depth is not indicated. Also, there doesn't appear to be defined extents to this "clean fill"; therefore, should the field layers throughout the two NE fields include this "clean fill" layer? What is the composition specification for this "clean fill" layer?

*Awaiting an Official Response*

Refer to specification section 31 2000 Earthwork for clean fill composition. Showing fill on detail 5 sheet LD1.02 is to communicate the intent that the subgrade elevation shall be achieved prior to installing the drain tile. Refer to the site grading plan from Addendum 1 and field grading plan in forthcoming addendum for finish grade elevations. Response by: H Durchik



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 Howell, Michigan 48843

## RFI #3: Pre-Bid RFI : Topsoil and Sod

<b>Status</b>	Open		
<b>To</b>	Steve Lucas (Kingscott Associates, Inc)	<b>From</b>	Russ Ragone (AUCH Construction) 65 University Dr. Pontiac, Michigan 48342
<b>Date Initiated</b>	Apr 18, 2024	<b>Due Date</b>	Apr 23, 2024
<b>Location</b>		<b>Project Stage</b>	Bidding
<b>Cost Impact</b>		<b>Schedule Impact</b>	
<b>Spec Section</b>		<b>Cost Code</b>	
<b>Drawing Number</b>		<b>Reference</b>	
<b>Linked Drawings</b>			
<b>Received From</b>	Russ Ragone (AUCH Construction)		
<b>Copies To</b>	Steve Lucas (Kingscott Associates, Inc), Paul Pominville (Howell Public Schools)		

### Activity

#### Question

**Question from Russ Ragone AUCH Construction on Thursday, Apr 18, 2024 at 12:36 PM EDT**

This is a pre-bid RFI for the HPS Three Fires Ball Fields project.

A bidding contractor has submitted the following questions regarding topsoil and sod notations on various drawing details.

The topsoil specifications indicate for the PH of the soil to range between 5.0 and 7.5 and that the mechanical analysis to be Sand at 70-85%, Silt at 10-20%, and Clay at 10-15%. Some of the drawing detail notes, such as Detail 4 on sheet LD1.02 indicates New Topsoil; however, other detail notes such as Detail 4 on sheet LD1.02 indicates 4" Topsoil. Typically these project types attempt to reuse existing topsoil and provide screening as necessary; however, there are no soil borings with analysis provided in order to determine if any existing topsoil may be reused or how much existing top soil there is. Is it the intent for 100% of the existing topsoil to be exported off-site and 100% of the topsoil for this project to be New that conforms to the specified PH and mechanical analysis? Please advise.

Also, please provide either a geotech report or soil borings to provide the needed information to know how much existing topsoil needs to be stripped and exported from the project, OR an indication of a quantity to include in the bid.

Also, there is no specification for Sod; however, Detail 4 on sheet LD1.02 indicates New Topsoil And Sod, verse other details indicating "Seed" or "Lawn". Please advise.

*Awaiting an Official Response*

No sod is intended for the project. All lawn shall be seeded per 32 9227 General Lawn Restoration reissued in forthcoming Addendum. All new seed shall be sowed in 4" topsoil per 32 9119 Topsoil. Per 32 9119 Topsoil, PART 2, 2.1 Materials, B. Provide topsoil as required to complete job. Topsoil must meet testing criteria results specified. All processing, cleaning and preparation of this stored topsoil to render it acceptable for use is the responsibility of this Contractor. C. Supplied topsoil, shall be fertile, friable and representative of local productive soil, capable of sustaining vigorous plant growth and free of clay lumps, subsoil, noxious weeds or other foreign matter such as stones, roots, sticks and other extraneous materials: not frozen or muddy.

Geotech report is not available. For bidding purposes, bidder shall plan for 4" of topsoil to be stripped and exported.

Response by: H. Durchik



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 Howell, Michigan 48843

## RFI #4: Pre-Bid RFI : Undisturbed Subgrade

<b>Status</b>	Open		
<b>To</b>	Steve Lucas (Kingscott Associates, Inc)	<b>From</b>	Russ Ragone (AUCH Construction) 65 University Dr. Pontiac, Michigan 48342
<b>Date Initiated</b>	Apr 18, 2024	<b>Due Date</b>	Apr 23, 2024
<b>Location</b>		<b>Project Stage</b>	Bidding
<b>Cost Impact</b>		<b>Schedule Impact</b>	
<b>Spec Section</b>		<b>Cost Code</b>	
<b>Drawing Number</b>		<b>Reference</b>	
<b>Linked Drawings</b>			
<b>Received From</b>	Russ Ragone (AUCH Construction)		
<b>Copies To</b>	Steve Lucas (Kingscott Associates, Inc), Paul Pominville (Howell Public Schools)		

### Activity

#### Question

**Question from Russ Ragone AUCH Construction on Thursday, Apr 18, 2024 at 12:52 PM EDT**  
 This is a pre-bid RFI for the HPS Three Fires Ball Fields project.

A bidding contractor has submitted the following question.

On sheet LD1.02 several of the Details indicate various Subgrade notations that include "Compacted Subgrade", "Subgrade", and "Undisturbed Subgrade". Some of these areas that indicate "Undisturbed Subgrade" include installation of drain tile, thrust blocks, irrigation valves, etc.; therefore, it would be impossible for the subgrade to be "undisturbed". Is there a specific difference in design intent (compaction firmness, etc.) between the various noted Subgrade types? Please Advise.

*Awaiting an Official Response*

Notes "Subgrade" and "Undisturbed Subgrade" are general labels for the surrounding earth and not specific intent.  
 The intent for a "Compacted Subgrade" note is specific to a prepared subgrade per various specification sections. Response by: H. Durchik



SECTION 32 9227  
GENERAL LAWN RESTORATION  
**ADDENDUM 2**

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section is a part of the entire set of Contract Documents and shall be coordinated with the applicable provisions of the other parts.
- B. Related Sections:
  - 1. Section 31 2000 Earthwork
  - 2. Section 32 9119 Topsoil

1.2 SCOPE

- A. The work under this section of the specifications shall consist of furnishing all labor, materials and equipment necessary for restoring disturbed lawn areas and maintaining lawns until final acceptance.

1.3 QUALITY ASSURANCE AND WARRANTY GUARANTEE

- A. Grass seed shall meet the tolerance for germination and purity of the Official Seed Analysis of North America.
- B. Submit all seed tags after completion of seeding.
- C. The Contractor, and its Subcontractors, shall provide a staff adequate to coordinate and expedite the work properly and shall maintain competent supervision of its own work to insure compliance with contract requirements.
- D. Contractor responsible for seeding and fertilizing shall inspect the finish grade for acceptability prior to application. Areas of discrepancy shall be indentified and Landscape Architect or Owner's Representative shall be notified.
- E. It is the responsibility of the Contractor to establish a dense lawn of permanent grasses, free from lumps, depressions and settlement. Any part of the area that fails to show a uniform germination shall be re-seeded and such re-seeding shall continue until a dense lawn is established. Damage to seeded areas resulting from erosion and through no fault of the Owner shall be repaired by the Contractor, at his expense.
  - 1. Guarantee shall extend for one year from the date of acceptance.

1.4 SUBMITTALS

- A. Submit product data for seed and fertilizer to Landscape Architect for approval, prior to application.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver grass seed in original containers showing analysis of seed mixture, percentage of pure seed, year of production, net weight, date of packaging and location of packaging. Damaged packages are not acceptable.
- B. Deliver fertilizer in waterproof bags showing weight, chemical analysis, and name of manufacturer.

PART 2 - PRODUCTS

2.1 SEED

- A. Seed shall be provided from one of the following suppliers

- EcoGreen Supply- 616-877-5326
- Site One Landscapes - (800) 347-4272
- Target Specialty – (248) 437-1427
- BFG – (800) 243-4769- closed
- Rhino Seed & Supply - (800) 482-3130
- Lacrosse Seeds - (800) 647-8873

- B. Contractors shall seed all areas disturbed during construction and not otherwise developed or indicated to be sodded. Topsoiling, finish grading and fertilization is to remain the same. \*Seed shall be new crop, cleaned, and comprising of the following varieties:

1. General Seeding Areas: “Varieties Named” blend shall be 50-60% Kentucky Bluegrass and 40-50% Perennial Ryegrass by weight for irrigated fields. A “Varieties Named” blend of 60-70% bluegrass, 30-40% perennial ryegrass for non-irrigated fields, and a blend of 20-40% bluegrass, 20-40% perennial ryegrass and 20-30% creeping red fescue for general turf areas.(VNS-varieties not stated- blends will not be accepted)

4. General Seeding Areas

Seed Varieties	Purity	Germination
Shannon or Bluestar Kentucky Bluegrass	95%	85%
Gaelic or Corsair Kentucky Bluegrass	95%	85%
Lunar or Avalanche Kentucky Bluegrass	95%	85%
Yellowstone Kentucky Bluegrass	95%	85%
Gray Star or Salinas Perennial Ryegrass	98%	85%
SoxFan or Showtime Perennial Ryegrass	98%	90%
Expedite Perennial Ryegrass	95%	90%
Xcelerator Perennial Ryegrass	95%	90%
Charger 2 Perennial Ryegrass	98%	90%
Oracle Creeping Red Fescue	98%	85%
Fairmont Chewings Fescue	95%	85%

Marvel Creeping Red Fescue	95%	85%
Sword Hard Fescue	95%	85%
Minimus Hard Fescue	95%	85%

## 2.2 COMMERCIAL FERTILIZER

- A. Fertilizer shall be uniform in composition, free-flowing and suitable for application with approved spreader, granular or pelleted with 50 percent (50%) of total nitrogen derived from a synthetic or natural organic material, delivered in original unopened containers with the analysis, type and trade name attached to each container. The composition shall be:

Fertilizer "A": applied at the time of seeding at 50 lbs. per 8000 square feet.  
16-32-4 (14.3% Ammoniacal Nitrogen, 1.7% Urea Nitrogen, 32% Phosphorus, 4% Available Potassium (SOP))

Fertilizer "B": applied 3-4 weeks after seeding at 50 lbs. per 8,000-10,000 square feet.  
22-16-6 (6.3% Ammoniacal Nitrogen, 15.7% Urea Nitrogen, 16% Phosphorus, 6% Soluble Potassium).

Fertilizer "C" for enhanced establishment program (seed in lieu of sod)  
Healthy Grow 4-2-2 CPM(2.15% Ammoniacal Nitrogen, 1.85% Water Insoluble Nitrogen, 2% Phosphoric Acid, 2% Sulfate of Potash, 8% Calcium. 0.8% Sulfur, endo and ecto mycorrhizae, sea plant meal, molasses meal, yucca).

Fertilizer "D" for enhanced establishment program (seed in lieu of sod)  
Healthy Grow 8-3-5 CPM(4.5% Ammoniacal Nitrogen, 3.5% Water Insoluble Nitrogen, 3% Phosphoric Acid, 5% Sulfate of Potash, 5% Calcium. 1.0% Iron, 0.3% Magnesium).

- B. Complete Soil testing for both fertility (including micronutrients, CEC, pH) and particle size is required on all new establishment sites
- C. A critical establishment fertilizer application comes at planting whereas fertilizer in a ratio of 2-4-1 is applied directly adjacent to the seed to compensate for the seeds inability to extract phosphorus and other nutrients out of the soil. Usually approx. 1lb. of P205 is applied with ½ lb. of N and ¼- ½ lb of K20 is applied. An analysis of 16-32-4 would be an example. Fertilizer ingredients with lower chloride index are preferred at seeding, such as Ammonium Sulfate and Sulfate of Potash.

## PART 3 - EXECUTION

### 3.1 PREPARATION

- A. Protect existing underground improvements from damage.
- B. Remove all foreign materials, plants, roots, stones, and debris larger than 1" in any dimension from site. Do not bury foreign material.

- C. Loosen soil to a depth of four inches (4") in lawn areas by approved method of scarification and grade to remove ridges and depressions. Remove all stones or foreign matter from top two inches (2") of soil.
- D. If above steps have had rain in sufficient quantity to cause soil to recompact, entire steps are to be done prior to seeding.
- E. Where no grades are shown, areas shall have a smooth and continual grade between existing or fixed controls and elevations shown on plans. Roll, scarify, rake and level as necessary to obtain true, even lawn surfaces. All finish grades shall meet approval of the Owner.
- F. Grade lawn areas to finish grades, filling as needed or removing surplus dirt and floating areas to a smooth, uniform grade. All lawn areas shall slope to drain.

### 3.2 PREPLANT FERTILIZING

- A. Broadcast spread fertilizer "A" (or Alternates "C" and "D") after seeding at a rate of 2 lbs. of Phosphorus per 1000 square feet. (Apply Alternate "C" at 50 lbs. per 5000 square feet and Alternate "D" at 50 lbs. per 10,000 square feet.)

### 3.3 SEEDING

#### A. Dates of Seeding:

1. Grass seed shall be sown in the fall from August 15th until October 15th or in the spring between March 1st and May 15th or at such other times as approved by the Landscape Architect. All seeding is to be done in dry or moderately dry soil and at times when the wind does not exceed a velocity of five (5) miles per hour.
2. If special conditions exist, which may warrant a variance in the above dates, submit a written request to the Landscape Architect stating the conditions and proposed variance. Permission for the variance will be given if, in the opinion of the Landscape Architect, the variance is warranted.

#### B. Seed Application:

1. Immediately before sowing the seed, the earth surface shall be re-worked until it is a fine, pulverized, smooth seedbed, showing not more than 1/4" variance from grade.
2. Apply seed mixture, as specified, at a rate of two and one half to four (2.5-4) lbs/1000 sq. ft. Apply seed in two directions where possible at a rate of 1.25-2 lbs. /1000 sq. ft. in each direction with seeder, using a cultipacker type seeder such as Brillion (or equal) mounted on tractor. Seed shall be uniformly spread over the previously fine graded and fertilized topsoil. The surface shall be dry when seed is planted. Hand sew seed around each irrigation system head. Hydro-seeding is not acceptable.
3. Mulching: Biodegradable wood excelsior, straw, or coconut-fiber mat enclosed in a photodegradable plastic mesh. Include manufacturer's recommended steel wire staples, 6 inches (150mm) long.
4. Contractor shall return to site six (6) weeks after installation to evaluate germination. If

germination of seed exceeds 70%, Contractor to remove mesh. If germination of seeds is less than 70%, mesh shall remain and Contractor shall reevaluate in ten (10) days.

C. Summer Seeding:

1. If seeding is authorized between June 1 and August 15, annual rye shall be sown separately in addition to specified seed mix. Sow at the rate of (one) 1 lbs./1000 sq. ft.
2. Cultipacker or approved similar equipment may be used to cover the seed and to firm the seed bed in one operation. In areas inaccessible to cultipacker, the seeded ground shall be lightly raked and rolled in two directions with a water ballast roller. Extreme care shall be taken during seeding and raking to insure that the seed is not raked from one spot to another.
3. The seeded areas are to be protected, watered, mowed and otherwise maintained until Owner Acceptance.

D. Post Seeding Fertilizer: Supply fertilizer "B" when grass reaches height of one (1) inch or 3 weeks after seeding at .75-1 lbs Phosphorus per 1000 square feet.

E. Maintenance

1. Maintenance of all lawns consist of mowing, watering and repairing erosion. Maintenance of lawns shall commence when any portion of the seeding has been completed. Seeded lawns shall never reach a height of three (3) inches prior to a cutting and shall be cut to a height of two (2) inches.
2. If, for reasons beyond the Sub-contractor's control, the height of the grass has exceeded three (3) inches, the mower blades shall be raised so that at no time will more than 1/3 of the grass leaf surface be removed.
3. Contractor shall notify the Owner through the Landscape Architect in writing one (1) week in advance of the final lawn cutting to allow the Owner and the Landscape Architect to inspect the lawns and schedule his maintenance work. The Owner will accept the lawns after a minimum of three (3) cuttings if a uniform cover of grass is established and is acceptable to Owner and Landscape Architect. If a uniform stand of grass is not established, contractor shall continue maintenance and cutting until lawn is accepted.
4. If an infestation of weeds or crab grass develops prior to acceptance of the lawn, the Contractor shall treat the infestation by hand weeding or chemical control. The chemical control shall be furnished and installed by the contractor as recommended by the manufacturer and approved by the Landscape Architect. At least two weeks shall elapse after chemical control is applied before a request or inspection for acceptance is made to the Landscape Architect.

3.4 SATISFACTORY TURF

A. Turf installations shall meet the following criteria as determined by Architect:

1. Satisfactory Seeded Turf: At end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over a 10 square foot and bare spots not exceeding 5 by 5 inches.
2. Use specified materials to reestablish turf that does not comply with the requirements and continue watering and maintenance until turf is satisfactory.

3. If the lawn is not acceptable after 18 months, the owner shall contract with an independent contractor, of their choosing, to complete the work.

### 3.5 CLEAN UP AND DISPOSAL

- A. Remove from the site all equipment, materials, and debris resulting from construction work including this section. Leave work area neat and clean and in a condition acceptable by the Landscape

Architect and School District. All work shall be complete, ready for use, at the time of final acceptance.

END OF SECTION 32 9227



















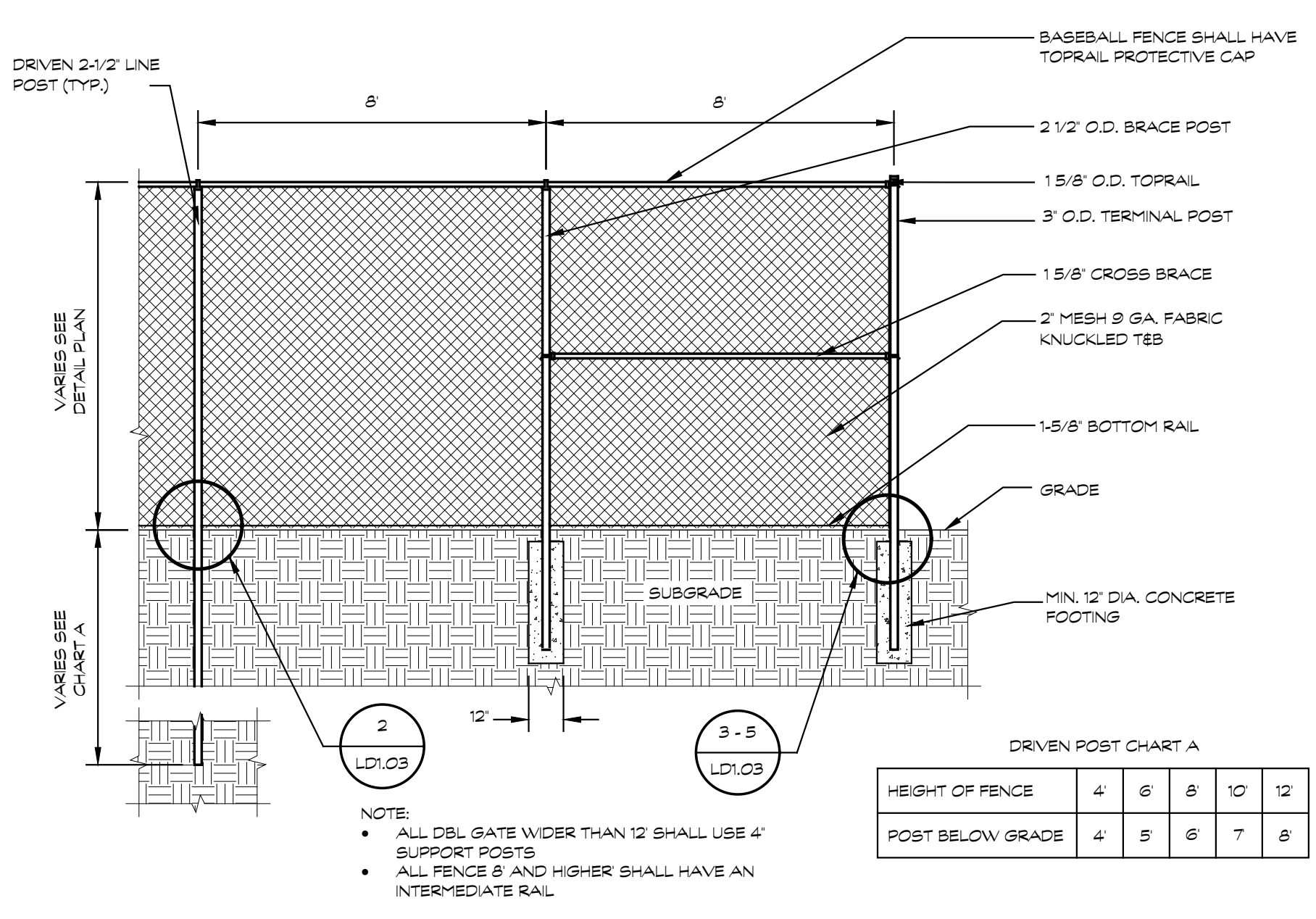




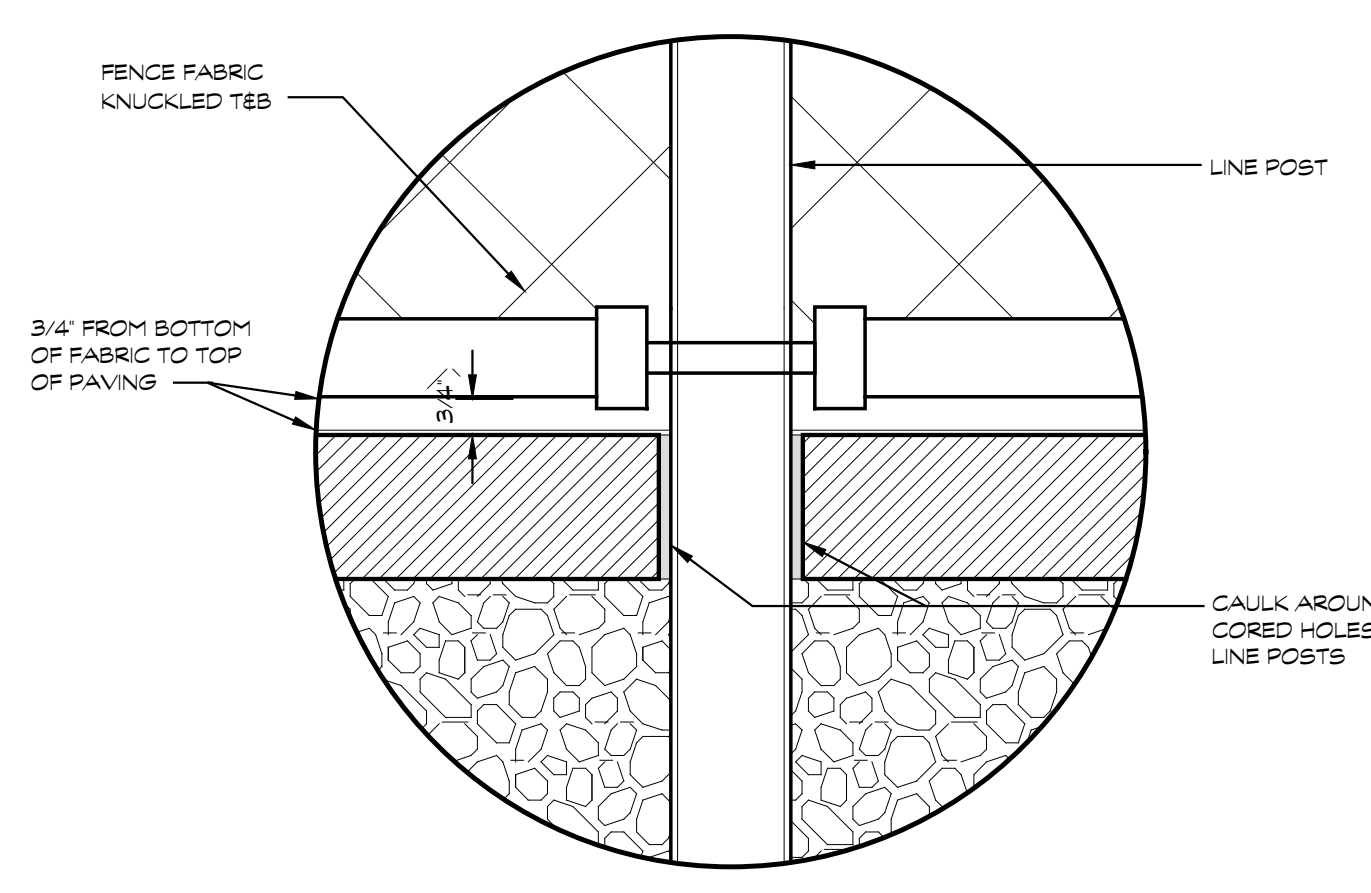




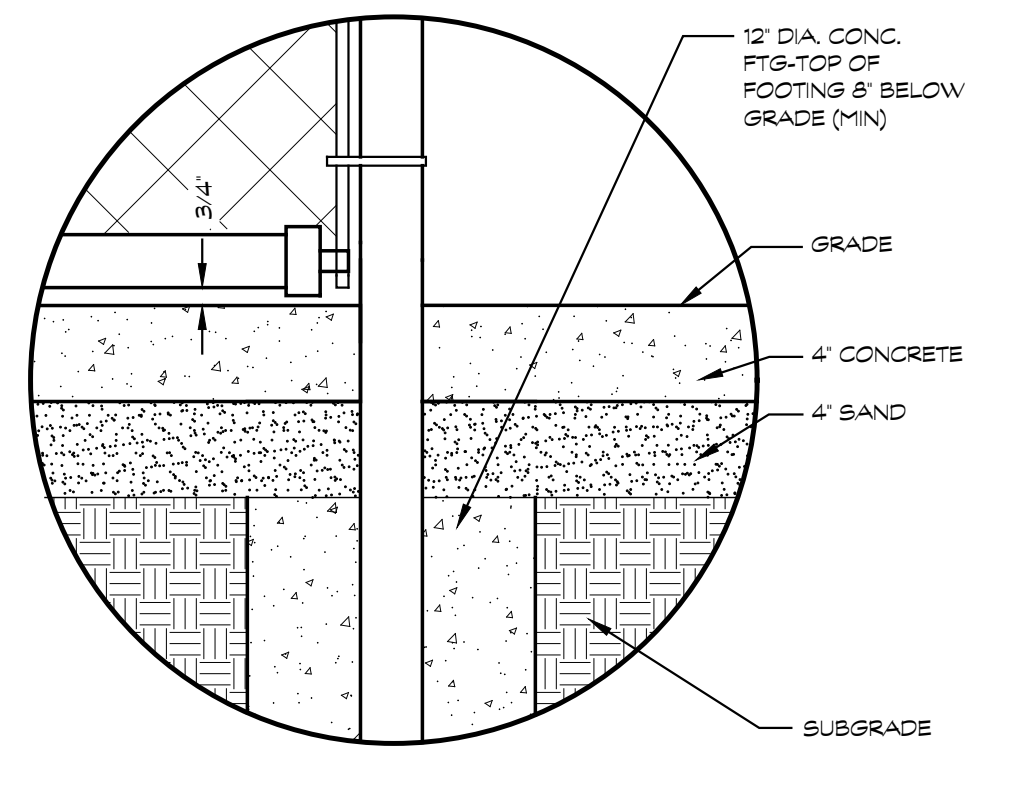
**\*NOTE:**  
DETAILS APPLICABLE FOR ALL NEW GALVANIZED AND VINYL COATED FENCING



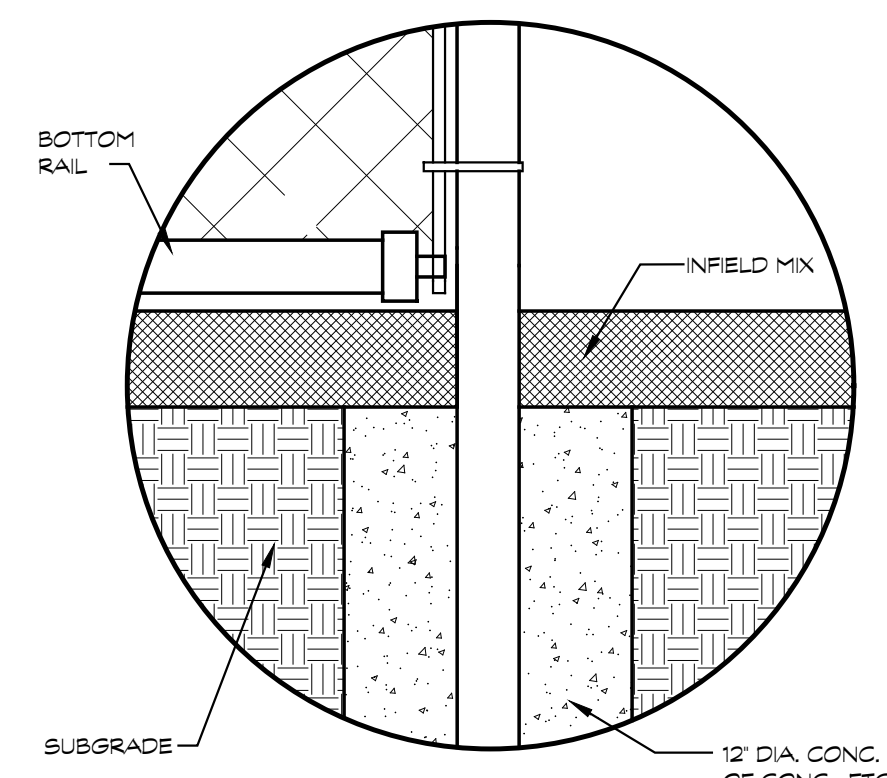
**1 FENCE ELEVATION**  
SCALE 1/4\"/>



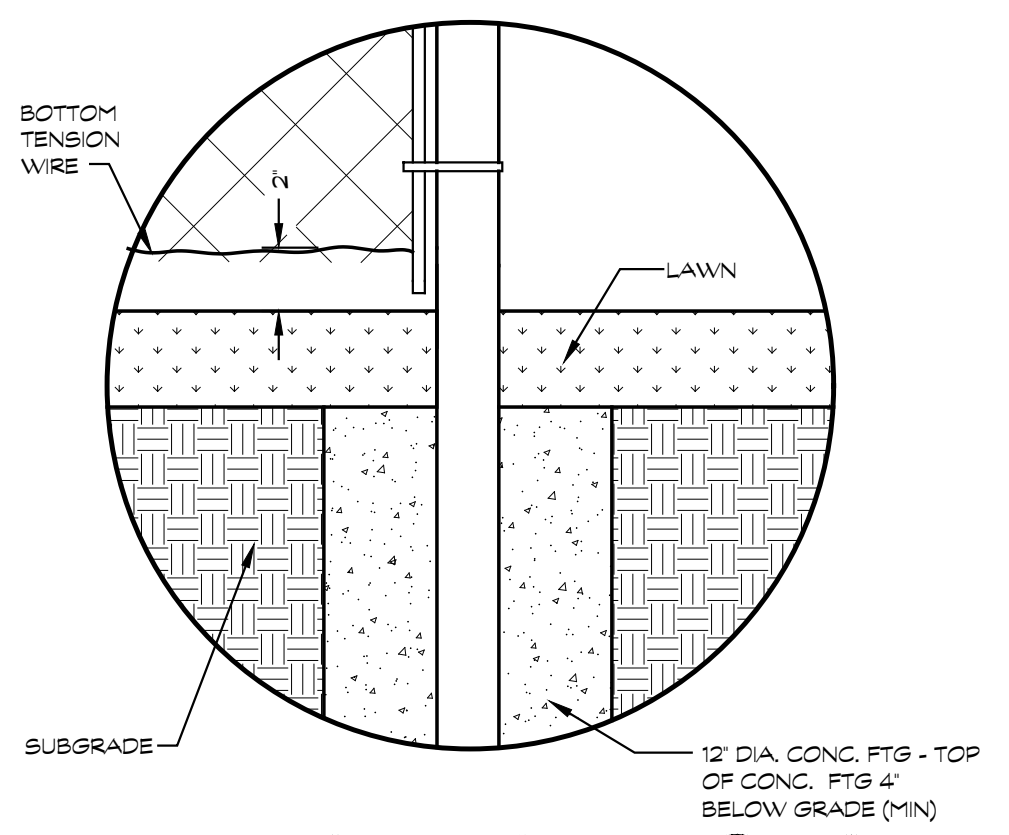
**2 FENCE POST CAULKING**  
SCALE 1/4\"/>



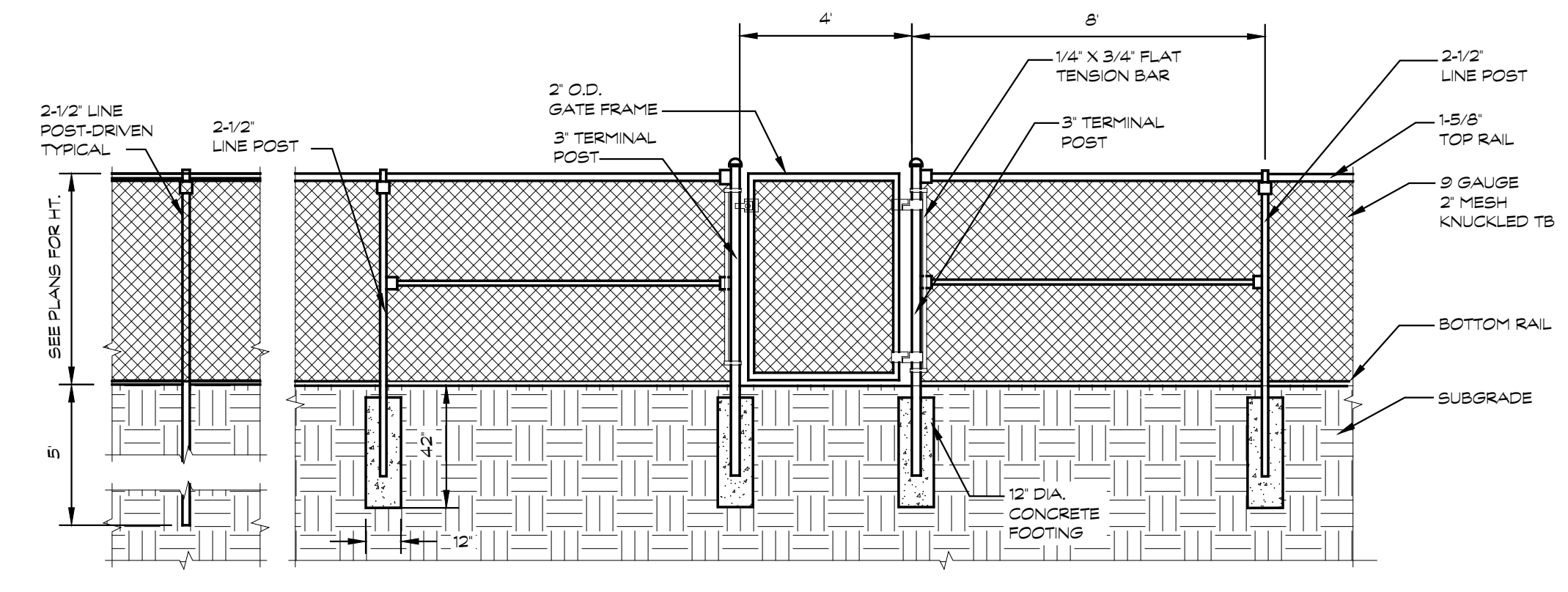
**3 FENCE CONCRETE DETAIL**  
SCALE 1/4\"/>



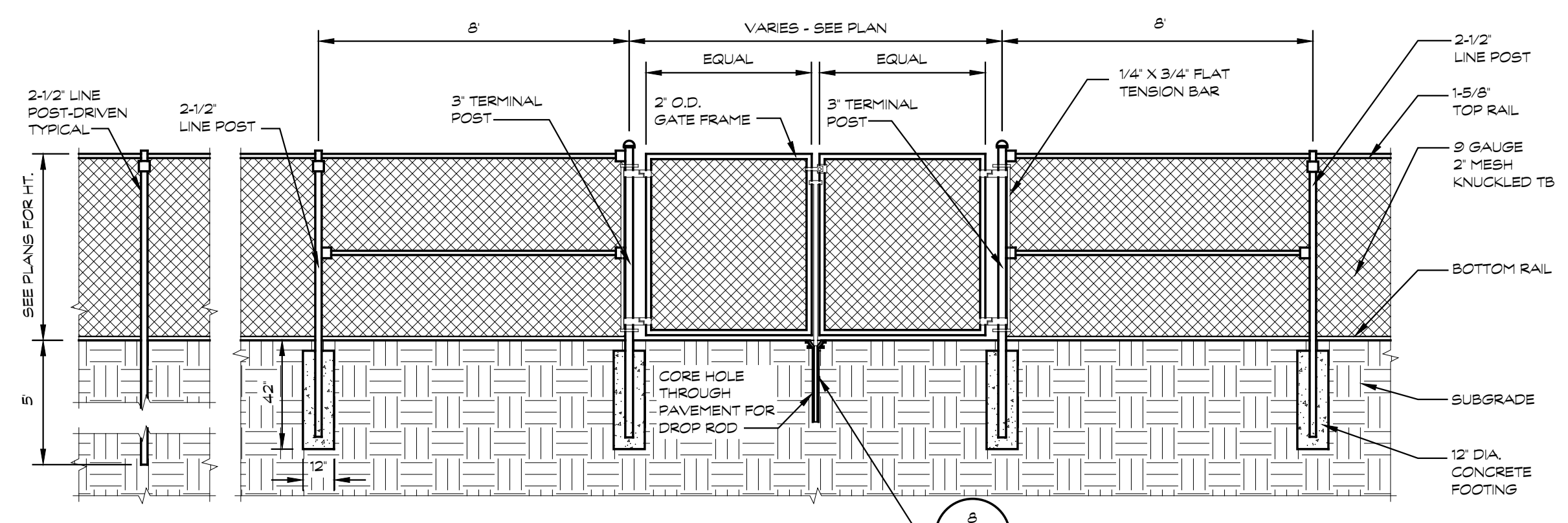
**4 FENCE INFIELD MIX DETAIL**  
SCALE 1/4\"/>



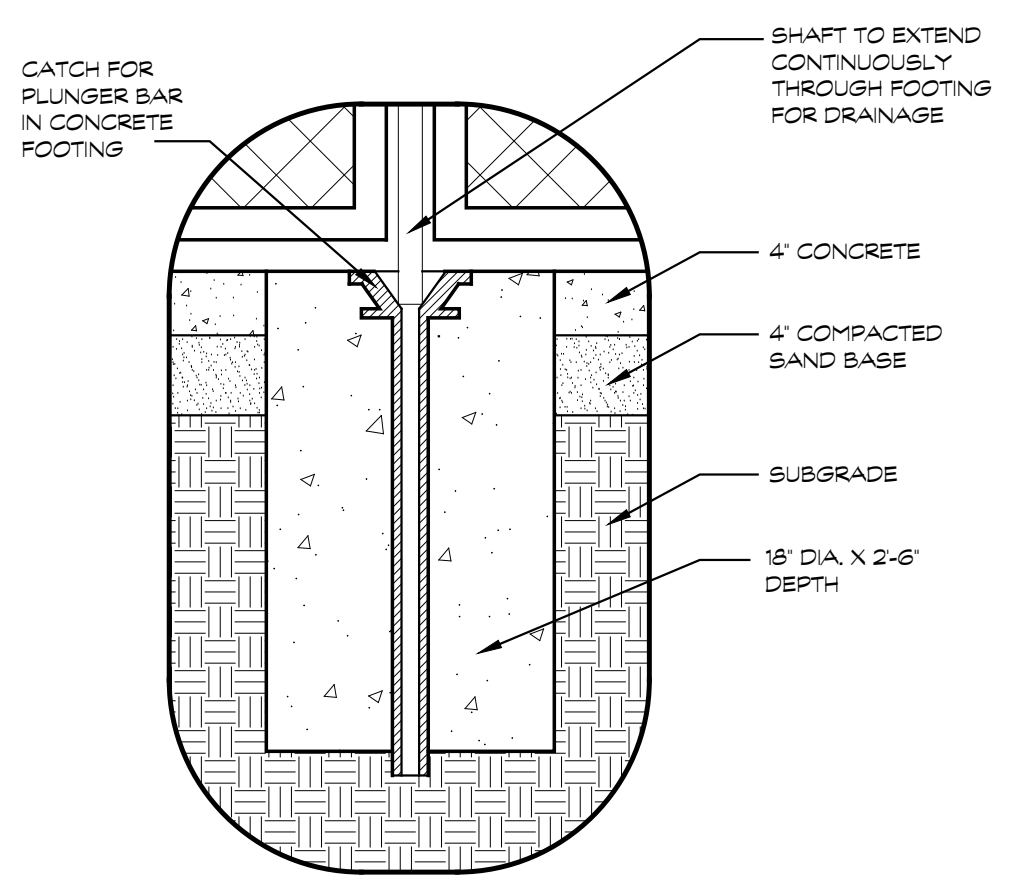
**5 FENCE LAWN DETAIL**  
SCALE 1/4\"/>



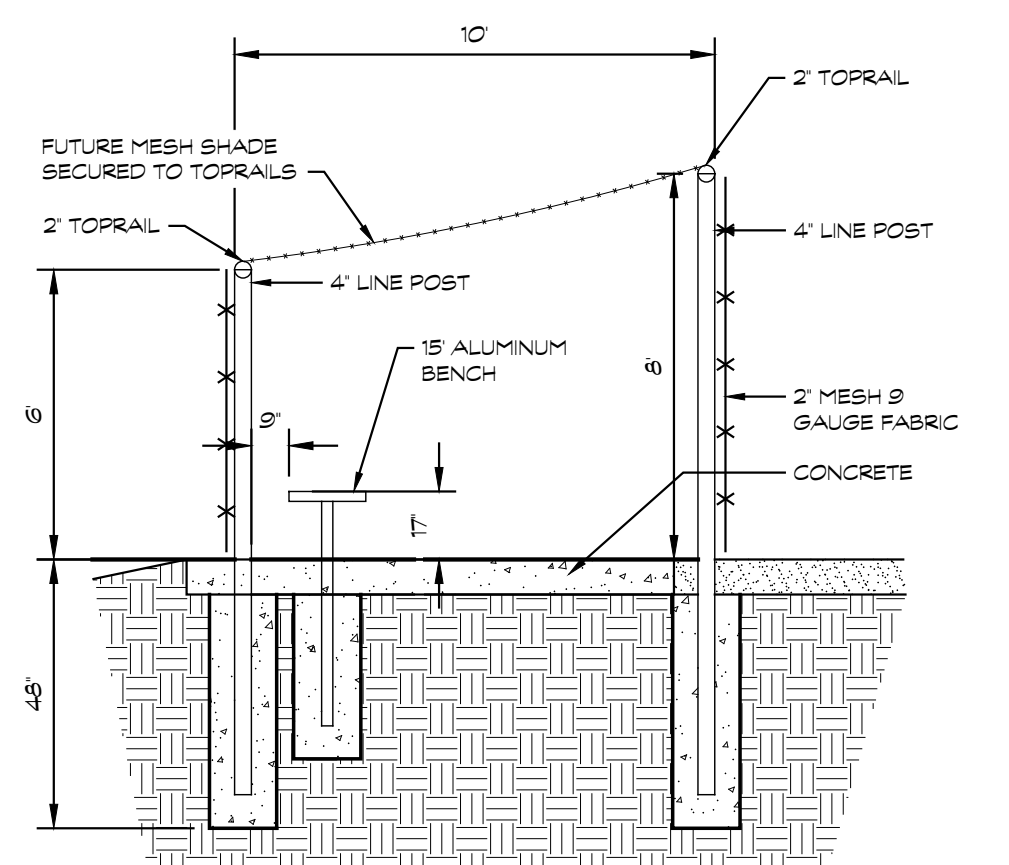
**6 PEDESTRIAN GATE**  
SCALE 1/4\"/>



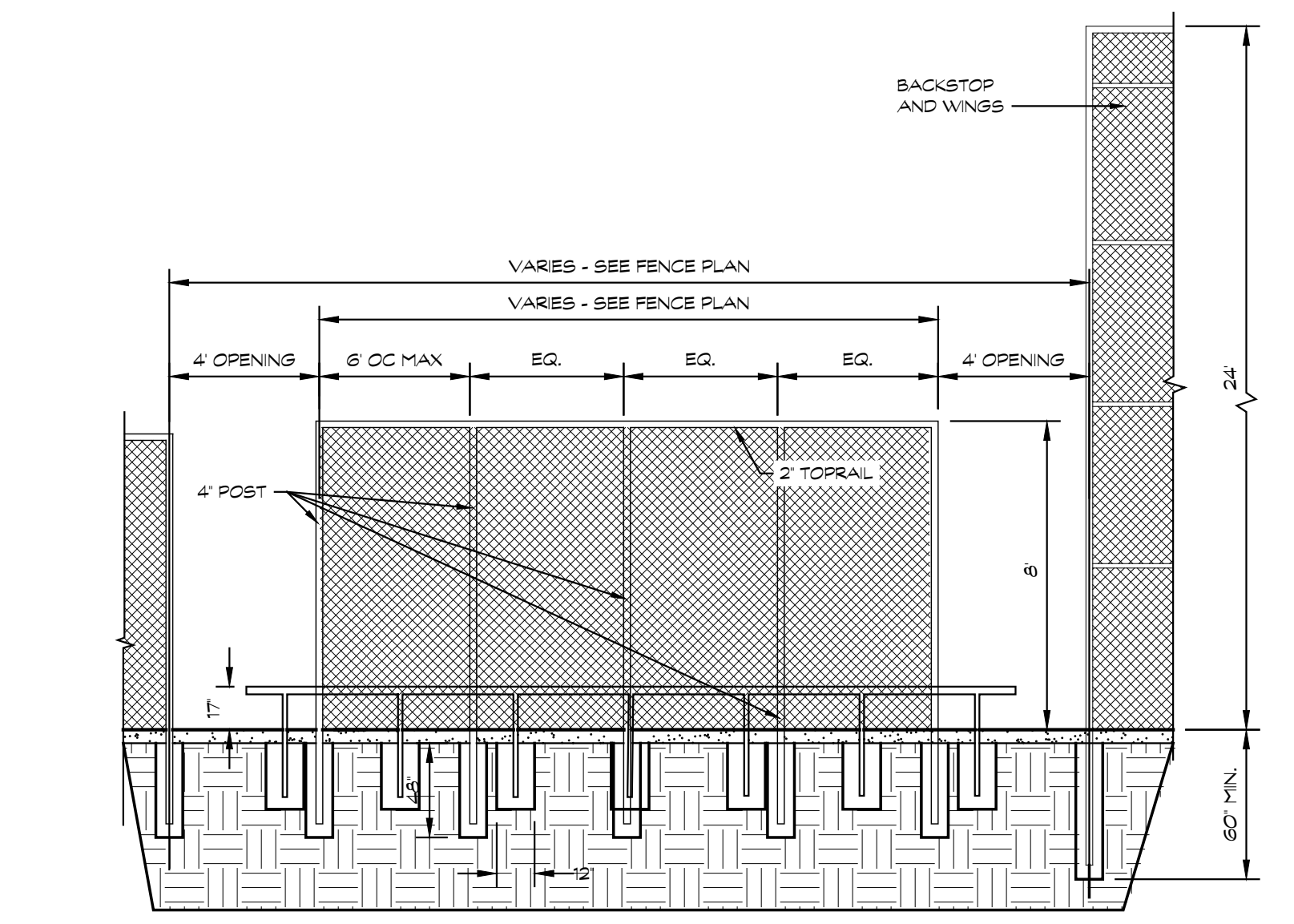
**7 DOUBLE GATE**  
SCALE 1/4\"/>



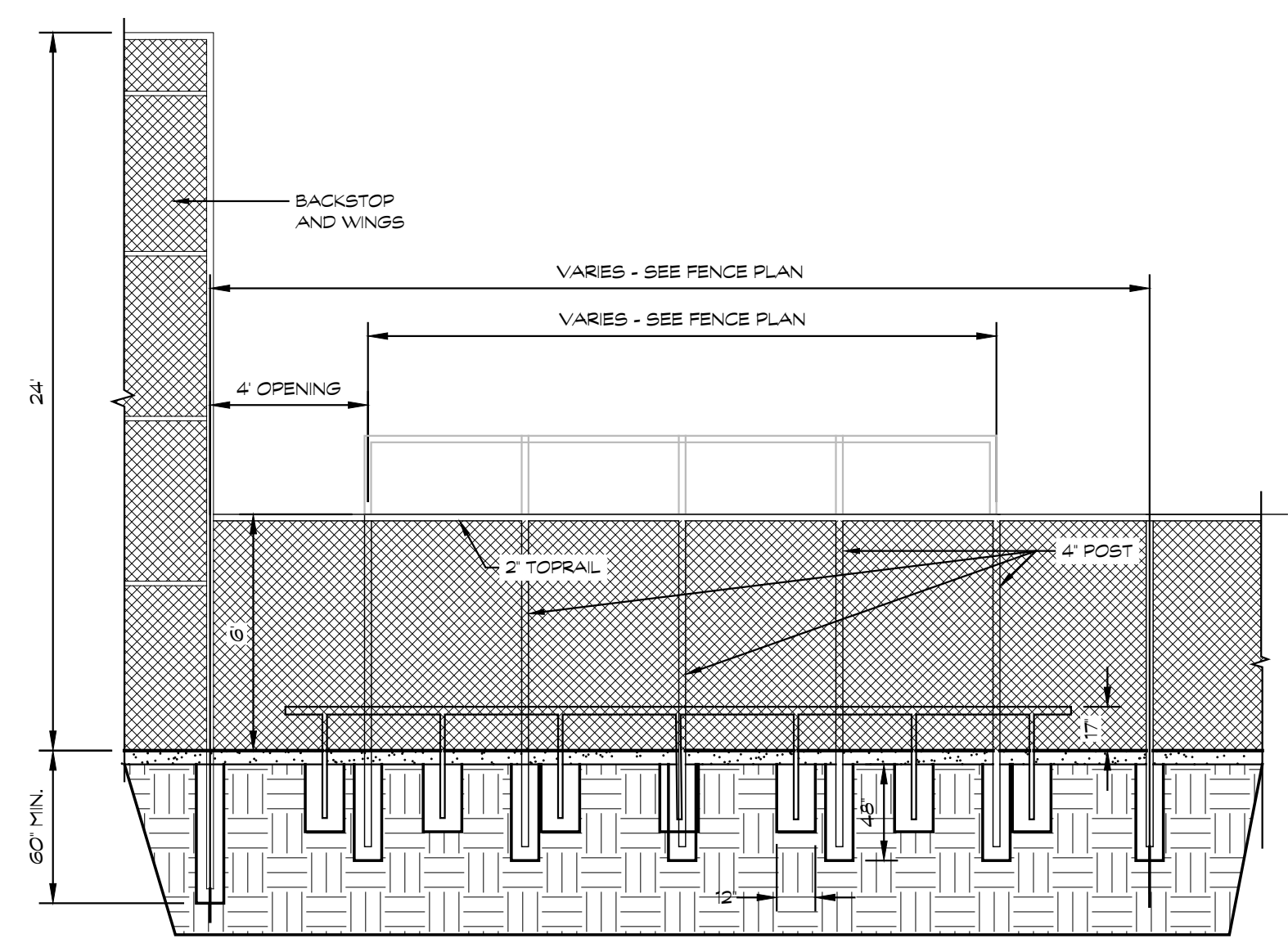
**8 FENCE PLUNGER FOR GATE**  
SCALE 1\"/>



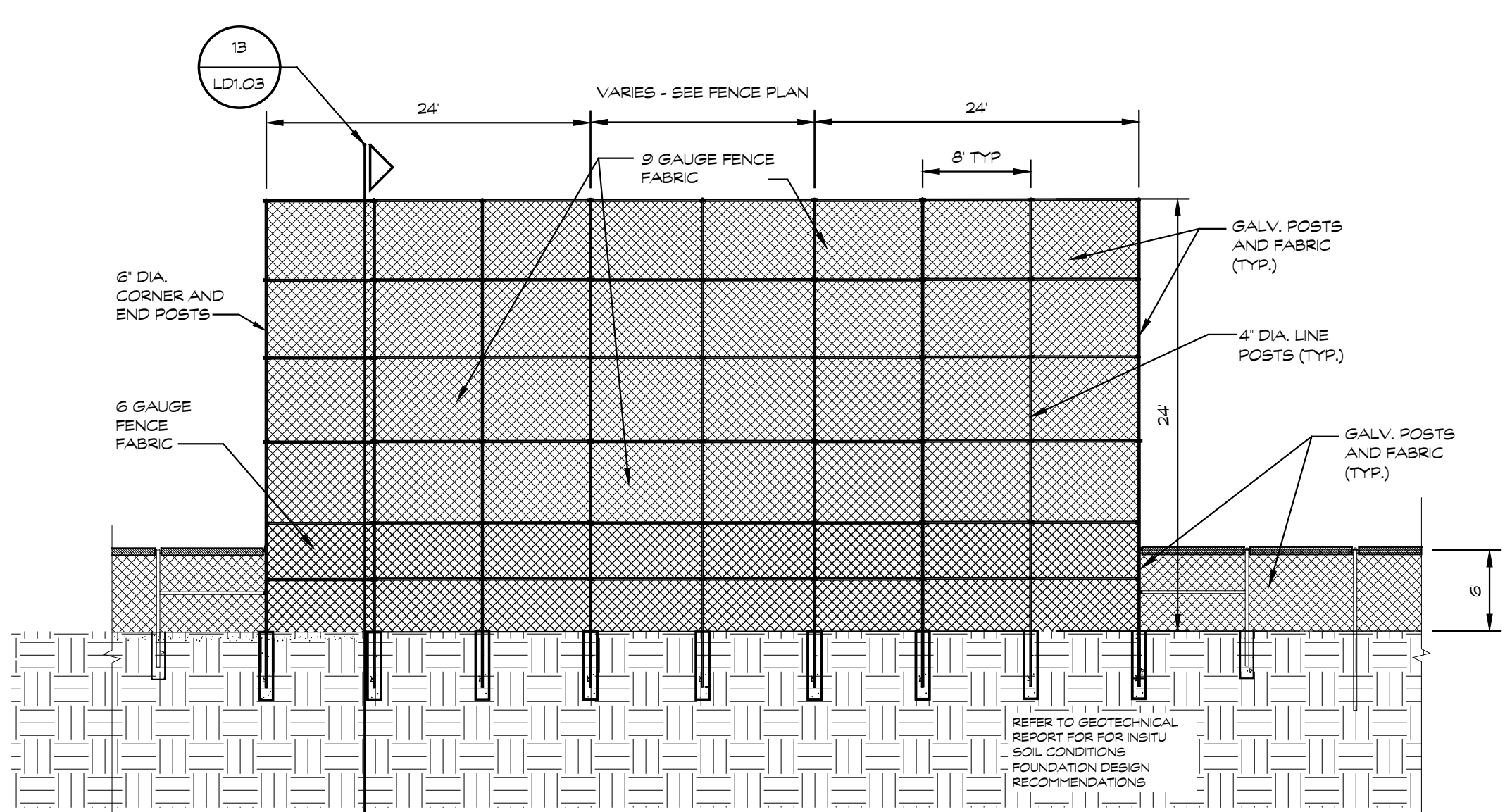
**9 DUGOUT SECTION**  
SCALE N.T.S.



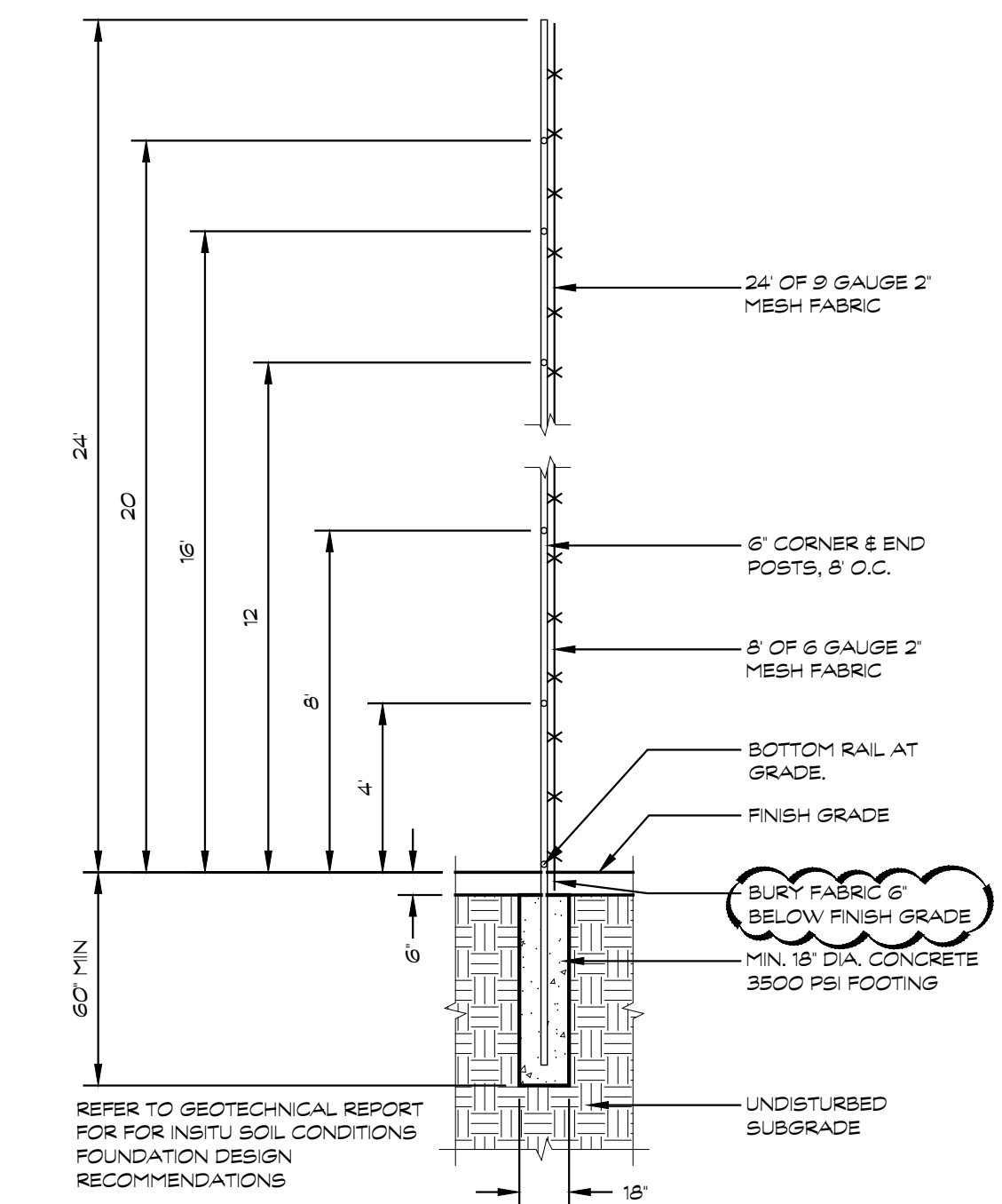
**10 DUGOUT FRONT ELEVATION**  
SCALE N.T.S.



**11 DUGOUT BACK ELEVATION**  
SCALE N.T.S.



**12 BACKSTOP ELEVATION**  
SCALE 1/4\"/>



**13 BACKSTOP SECTION**  
SCALE 1/4\"/>

**SOFTBALL & BASEBALL FIELDS**  
**THREE FIRES ELEMENTARY**  
Howell Public Schools



REVISIONS/REVIEW DATE

BIDS	APRIL 10, 2024
ADDENDUM 2	APRIL 23, 2024

KEY PLAN

JOB NO. 2600\_41A NORTH  
SHEET TITLE  
Fence Details