ADDENDUM
NO. 2

May 17, 2022

Silver Creek School Corporation – SCHS Athletics Package,
Early Steel & Roofing Package
Sellersburg, IN 47172

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated April 15, 2022, by CSO Architects. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 through ADD 2-3, Specification Section - 00 31 00 Revised Bid Form, Pre-Award Meeting Schedule, and attached CSO Architects Addendum No. 2 dated May 17, 2022, consisting of 23 Pages, Specification Sections: 024119 – Selective Structure Demolition, 116833 – Field Events Athletic Equipment, 129301 – Athletic Site Furnishings, 133416 – Permanent Grandstands, 312323 – Flowable Fill, 321824 – Track Surfacing – Latex System, and 321825 – Ball Diamond Construction, Addendum Drawings: C102, C103, C104, C105, C301, C302, C305, L101, L102, L104, L105, L111, L112, L114, L115, L121, L122, L124, L125, L503, L504, A203, and A204.

A. GENERAL INFORMATION:

1. Virtual Bid Opening link is:

Microsoft Teams meeting
Join on your computer or mobile app
Click here to join the meeting
Or call in (audio only)
+1 317-762-3960,,730616411# United States, Indianapolis
Phone Conference ID: 730 616 411#

2. The Pre-Award Meeting schedule is attached herein.

B. **SPECIFICATION SECTION 00 31 00 BID FORM**

1. Updated Bid Form attached herein.

C. **SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY**

1. Paragraph 3.03 Bid Categories

A. Bid Category No. 1 – Earthwork, Site Demolition & Site Utilities

Add the following Clarifications:

11. Provide demolition and removal of all bleachers not shown to relocate and reconstruct. Bid Category No. 4 to provide relocation and reconstruction where required.
12. Provide asphalt milling as noted on site demolition plan.

B. Bid Category No. 2 – Asphalt Paving & Track/Field Surfaces

Delete the following Specification Sections:

Section	31 20 00	Earth Moving
Section	32 18 23	Track Surfacing – Latex

Add the following Specification Sections:

Section	32 11 23	Granular Base
Section	32 18 24	Track Surfacing – Latex System

Revise the following Clarification:

3. Provide aggregate courses referenced in section 32 11 23 for asphalt paving, track surfaces and field events.

Add the following Clarification:

4. Bid Category No. 4 to provide pole vault runway and long jump runway aggregate and concrete sub-base.

D. Bid Category No. 4 – General Trades

Add the following Specification Sections:

Section	31 23 23	Flowable Fill
Section	32 11 23	Granular Base

Add the following Clarifications:

14. Provide pole vault runway and long jump runway aggregate and concrete sub-base. Asphalt topcoats/surface to be by Bid Category No. 2.
15. Provide relocation of baseball and softball scoreboards.

E. Bid Category No. 5 – Structural Steel (High School Only)

Add the following Clarification:

2. This category shall have the capacity to produce and provide BIM model/models for coordination and clash detection applicable to this categories scope of work. A future category will be assigned the model coordinator/manager who will guide the 3D coordination process.

G. Bid Category No. 7 – Electrical

Revise the following Clarification:

3. Provide electrical demolition as noted on the Electrical Site Demolition Plan, including all site/athletic lighting and bases. Include removal of all demolished items from jobsite.

Add the following Clarification:

4. Provide underground electrical pathways for utility company relocates as noted on electrical site plan.

PRE-AWARD MEETINGS

Pre-Award Meetings will be conducted virtually via Microsoft TEAMS on May 25th and May 26th:

- Bid Category No. 1 – May 25th @ 9:00AM
- Bid Category No. 2 – May 25th @ 10:00AM
- Bid Category No. 3 – May 25th @ 11:00AM
- Bid Category No. 4 – May 25th @ 1:00PM

- Bid Category No. 5 – May 26th @ 9:00AM
- Bid Category No. 6 – May 26th @ 10:00AM
- Bid Category No. 7 – May 26th @ 11:00AM

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for SCSC)

Silver Creek High School Athletic Fields, Early Steel and Roofing Package

Silver Creek School Corporation

(Clark County, Indiana)

PART I

(To be completed for all bids. Please type or print)

Date (month, day, year):_____

BIDDER (Firm) _____

Address _____ P.O. Box _____

City/State/Zip: _____

Telephone Number: _____ Email Address: _____

Person to contact regarding this Bid_____

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

_____

Insert Category No. (s) and Name(s)

Of public works project, ***Silver Creek High School Athletic Fields, Early Steel and Roofing Package***, in accordance with Plans and Specifications prepared by ***CSO Architects, 8831 Keystone Crossing, Indianapolis, IN 46240***, as follows:

BASE BID

For the sum of _____

(Sum in words)

_____DOLLARS ($_____)

(Sum in figures)

The undersigned acknowledges receipt of the following Addenda:
Receipt of Addenda No. (s) _____

PROPOSAL TIME

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference YES _____ NO_____

Has visited the jobsite YES _____ NO_____

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent
Of the schedule can be met. YES _____ NO_____

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6. YES _____ NO_____

The Skillman Corporation's diversity initiative is to create a program to encourage, assist and measure the active participation of Minority- Owned, Women-Owned, Veteran – Owned and Disabled Individual-Owned Businesses. The Program is to ensure that MWVDBEs are provided full and equal opportunity to participate in all Skillman Corporation's Projects.

Bidder has included:

DBE: YES _____% NO _____
MBE: YES _____% NO _____
WBE: YES _____% NO _____
VBE: YES _____% NO _____

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS
(if applicable)

I, the undersigned bidder or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

****MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE****

Alternate Bid No. 1 – Baseball and Softball Masonry Backstop Wall and Netting System

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 2 – Baseball and Softball Turf

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 3 – Stadium Entrance Fencing

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 4 – Concession Building

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 5 – Ticket Booth

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 6 – Parking Lot

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 7 – Football Scoreboard

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

PART II
(For projects of $150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you?_____If so, where and why?

_____

_____

_____

4. List references from private firms for which you have performed work.

_____

_____

_____

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

_____

_____

_____

_____

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

_____

_____

_____

_____

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

_____

_____

_____

_____

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

_____

_____

_____

_____

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

_____

_____

_____

_____

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

SECTION V OATH AND AFFIRMATION

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at _____this _____ day of _____, 20

_____
(Name of Organization)

By
_____

_____
(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named
_____

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,
_____
(Title)

_____
Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

ADDENDUM

CSO
ARCHITECTURE · INTERIOR DESIGN

ADDENDUM NO: 2

JAMES ROBERT FUNK
REGISTERED
No.
AR00900003
STATE OF
INDIANA
ARCHITECT

PROJECT: Silver Creek High School Athletics Package and Steel & Roofing Package

PROJECT NO: 2021026 DATE: May 17, 2022 BY: Brent Hite

This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages: 1-6

Attached Documents:

02 41 19 - Selective Demolition
11 68 33 – Field Events Athletics Equipment
12 93 01 – Athletic Site Furnishings
13 34 16 – Permanent Grandstands
31 23 23 – Flowable Fill
32 18 24 – Track Surfacing – Latex System
32 18 25 - Ball Diamond Construction

Attached Drawing Sheets:

C102, C103, C104, C105, C301, C302, C305
L101, L102, L104, L105, L111, L112, L114, L115, L121, L122, L124, L125, L503, L504
A203, A204

PART 0 - GENERAL INFORMATION

0.1 NOT USED

PART 1 - BIDDING REQUIREMENTS

1.1 NOT USED

PART 2 - SPECIFICATIONS

2.1 02 41 19 – SELECTIVE STRUCTURE DEMOLITION

A. Replace Section 3.5/A with:

General: Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project

8831 Keystone Crossing, Indianapolis, IN 46240 | 317.848.7800 | csoinc.net

site and legally dispose hazardous materials in an EPA-approved landfill and general site spoils such as dirt, asphalt, and concrete in an INDOT-approved waste area/site or licensed landfill.

2.2 10 21 13 – TOILET COMPARTMENTS

A. Add 2.03 B as flows:

8. Metpar Corporation

2.3 11 68 33 – FIELD EVENTS ATHLETIC EQUIPMENT

A. The following products have been added to Section 2.1.D.4 Approved Equals:

1. Sand Pit Form with Sand Catchers Series and Cover Model Numbers F44026 and F44026C as Manufactured by Gill Athletics, 2808 Gemini Court, Champaign, IL, 61822, Phone 1-800-637-3090.
2. JumpForm H.S. Sand Pit Forming System with Covers Model Numbers SP6020 and equivalent Pit Cover Set as manufactured by Sportsfield Specialties Inc. Delhi, NY 13753, Phone 1-888-975-3343.

B.

2.4 11 68 43 – SCOREBOARDS

A. Replace header with **11 68 43 Scoreboards**

B. Revise 2.03A2 to read as follows:

2. Viewing Matrix: 176 pixels high x 308 pixels wide MIN.

C. Revise 2.04A as follows:

1. Revise Model to **TI-2035 as manufactured by Daktronics** in lieu of indicated.

2.5 12 93 01 – ATHLETIC SITE FURNISHINGS

A. Section 2.7 ALTERNATE Backstop Tension Netting System and Posts has been added.

2.6 13 34 16 – PERMANENT GRANDSTANDS

A. Replace this section in its entirety.

2.7 31 23 23 – FLOABLE FILL

A. Add this section in its entirety.

2.8 32 18 24 TRACK SURFACING – LATEX SYSTEM

A. Plexitrac Lightning Track System as Manufactured by ICP Building Solutions Group, 150 Dascomb Rd. Andover, MA 01810, Phone 1-800-255-1141 has been added to the added to Section 2.1.A.3 Approved Equals.

2.9 32 18 25 – BALL DIAMOND CONSTRUCTION

A. Section 2.04 Warning Track Product Information has been added.

B. Products approved as equal to the basis of design have been added to Section 2.01 Mound Clay.

C. Products approved as equal to the basis of design have been added to Section 2.02 Infield Top Dressing.

D. Products approved as equal to the basis of design have been added to Section 2.03 Infield Mix.

E. Products approved as equal to the basis of design have been added to Section 2.02 Infield Top Dressing.

2.10 32 18 24 TRACK SURFACING – LATEX SYSTEM

A. Plexitrac Lightning Track System as Manufactured by ICP Building Solutions Group, 150 Dascomb Rd. Andover, MA 01810, Phone 1-800-255-1141 has been added to the added to Section 2.1.A.3 Approved Equals.

PART 3 - DRAWINGS

CIVIL

3.1 C102 – DEMOLITION PLAN

A. Revised Demolition Item No. 27 to remove reference for hydrant to be relocated per the Utility Plan.

B. Added Demolition Item No. 32 and hatch for Asphalt milling in service area.

3.2 C103 – DEMOLITION PLAN

A. Revised Demolition Item No. 27 to remove reference for hydrant to be relocated per the Utility Plan.

B. Added Demolition Item No. 31 for note to remove and place press box.

C. Added Demolition Item No. 32 and hatch for Asphalt milling in service area.

3.3 C104 – DEMOLITION PLAN

A. Revised Demolition Item No. 27 to remove reference for hydrant to be relocated per the Utility Plan.

B. Added Demolition Item No. 31 for note to remove and place press box.

C. Remove reference to full depth saw cut and remove asphalt in high school parking lot.

3.4 C105 – DEMOLITION PLAN

A. Remove reference to full depth saw cut and remove asphalt in high school parking lot.

3.5 C301 – GRADING PLAN

A. Revised grading at east end of grand stand concrete pad.

3.6 C302 – GRADING PLAN

A. Revised grading at right field baseball batting cage, sidewalk, swale, bus driveway apron, and turnaround drive in service area.

3.7 C305 – GRADING PLAN

A. Revised grading at east end of grand stand concrete pad.

LANDSCAPE

3.8 L101 SITE MATERIALS PLAN

A. Surfacing under Home Grandstand has been clarified.

3.9 L102 SITE MATERIALS PLAN

A. Baseball Batting Cages and Relocated Bleachers have been updated.

3.10 L104 SITE MATERIALS PLAN

A. Bus Lot orientation has been updated.

B. Bus Lot security fencing has been added.

3.11 L105 SITE MATERIALS PLAN

A. Bus Lot orientation has been updated.

B. Bus Lot security fencing has been added.

3.12 L111 SITE LAYOUT PLAN

A. Paving layout under Home Grandstand has been clarified.

3.13 L112 SITE LAYOUT PLAN

A. Baseball Batting Cages and Relocated Bleachers layout have been updated.

3.14 L114 SITE LAYOUT PLAN

A. Bus Lot layout has been updated.

3.15 L115 SITE LAYOUT PLAN

A. Bus Lot layout has been updated.

3.16 L 121 SITE JOINTING AND STRIPING PLAN,

A. Jointing under Home Grandstand has been clarified.

3.17 L 122 SITE JOINTING AND STRIPING PLAN,

A. Jointing at Baseball Batting Cages and Relocated Bleachers has been clarified.

3.18 L 124 SITE JOINTING AND STRIPING PLAN,

A. Bus Lot striping has been updated.

3.19 L 125 SITE JOINTING AND STRIPING PLAN,

A. Bus Lot striping has been updated.

3.20 L503 SITE DETAILS

A. Detail 10 has been updated to clarify Long Jump Runway construction.

3.21 L504 SITE DETAILS

A. Details 6 & 7 have been removed from the Project.

ARCHITECTURAL

3.22 SHEET A203

A. Replace sheet A203 in its entirety.

3.23 SHEET A204

A. Replace sheet A204 in its entirety.

PART 4 - OTHER ITEMS

4.1 NOT USED

PART 5 - QUESTIONS AND ANSWERS

5.1 Q: Plan sheets C104 & C105 show removing asphalt at the tie-in point for new pull off area, but plan sheet L105 shows this area as a re-seal area. Please clarify.

A: Plan sheets C104 & C105 have been revised to remove references to the full depth asphalt saw cut and asphalt removal.

5.2 Q: Specification Section 02 41 19 Selective Structure Demolition, sub item 3.5 A, Disposal of Demolished Materials, states to remove materials from the Project site and dispose at an EPA approved landfill. Will dirt-asphalt-concrete-general site spoils be allowed to go to an Indiana Department of Transportation approved waste area/site or are all excess material to go to a landfill?

A: Please refer to Section 02 41 19 3.5.A General. This section has been revised to clarify hazardous materials are to be disposed of at an EPA-approved landfill and general site spoils are to be disposed of in an INDOT approved waste area or licensed landfill.

5.3 Q: Where is the product information for the Warning Track materials?

A: Refer to Section 2.04 Warning Track of Specification 32 18 25 Ball Diamond Construction for Warning Track materials and construction.

5.4 Q: What is the depth of the Baseball Top Dressing?

A: Per Specification 32 18 25 Ball Diamond Construction, Top Dressing shall be 1/2".

5.5 Q: The Project Details and Specifications differ on the stone base for the Infield areas. Which one takes precedence?

A: Refer to 32 18 25 Ball Diamond Construction for Baseball and Softball Infields, Mounds, and Warning Tracks.

5.6 Q: What is the diameter of the Draw Tile for the Ball Diamond Root Zone?

A: The Draw Tile shall be 2" dia. Refer to Detail 5 on Sheet L504.

END ADDENDUM #2

SECTION 024119 - SELECTIVE STRUCTURE DEMOLITION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

B. Related Site Civil Drawings Issued by Civil & Environmental Consultants, Inc., dated April 15, 2022 and all subsequent addendums.

1.2 SUMMARY

A. This Section includes the following:
   1. Demolition and removal of selected site elements.
   2. Salvage of existing items to be reused or recycled.

B. Related Sections include the following:

   1. Division 01 Section "Summary" for use of premises and Owner-occupancy requirements.
   2. Division 01 Section "Photographic Documentation" for preconstruction photographs taken before selective demolition operations.
   3. Division 01 Section "Temporary Facilities and Controls" for temporary construction and environmental-protection measures for selective demolition operations.
   4. Division 01 Section "Cutting and Patching" for cutting and patching procedures.
   5. Division 01 Section "Construction Waste Management and Disposal" for disposal of demolished materials.
   6. Division 31 Section "Site Clearing" for site clearing and removal of above- and below-grade improvements.

1.3 DEFINITIONS

A. Remove: Remove items as noted on Demolition Plans and legally dispose of them off-site, unless noted to be removed and salvaged or removed and reinstalled.

B. Remove and Reinstall: Remove items as noted on Demolition Plans, arrange with owner area to store until reinstallation, prepare them for reuse, and reinstall them where indicated and/or as directed by owner.

C. Existing to Remain: Protect existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

1.4 MATERIALS OWNERSHIP

A. Historic items, relics, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, antiques, and other items of interest or value to Owner that may be encountered during demolition remain Owner's property. Carefully remove and salvage each item or object in a manner to prevent damage and deliver promptly to Owner.

1.5 SUBMITTALS

A. Schedule of Selective Demolition Activities: Indicate the following:

1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity. Ensure Owner's on-site operations are uninterrupted.
2. Interruption of utility services. Indicate how long utility services will be interrupted.
3. Coordination for shutoff, capping, and continuation of utility services..

B. Inventory: After selective demolition is complete, submit a list of items that have been removed and salvaged for later reinstallation.

C. Pre-demolition: Show existing conditions of adjoining construction and site improvements, including finish surfaces that might be misconstrued as damage caused by selective demolition operations. Comply with Division 01 Section "Photographic Documentation." Submit before Work begins.

D. Landfill Records: Indicate receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.

1. Comply with submittal requirements in Division 01 Section "Construction Waste Management and Disposal."

1.6 QUALITY ASSURANCE

A. Demolition Firm Qualifications: An experienced firm that has specialized in demolition work similar in material and extent to that indicated for this Project.

B. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

C. Standards: Comply with ANSI A10.6 and NFPA 241.

D. Pre-demolition Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." Review methods and procedures related to selective demolition including, but not limited to, the following:

1. Inspect and discuss condition of construction to be selectively demolished.

2. Review and finalize selective demolition schedule and verify availability of materials, demolition personnel, equipment, and facilities needed to make progress and avoid delays.
3. Review requirements of work performed by other trades that rely on substrates exposed by selective demolition operations.
4. Review areas where existing construction is to remain and requires protection.

1.7 PROJECT CONDITIONS

A. Owner will occupy portions of buildings immediately adjacent to selective demolition areas. Conduct selective demolition so Owner's operations will not be disrupted.

1. Comply with requirements specified in Division 01 Section "Summary."

B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.

1. Before selective demolition, verify any removals performed by Owner.

C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.

D. Hazardous Materials: It is unknown whether hazardous materials will be encountered in the Work.

1. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Owner will remove hazardous materials under a separate contract.

E. Storage or sale of removed items or materials on-site is not permitted.

F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.

1. Maintain fire-protection facilities in service during selective demolition operations.

1.8 WARRANTY

A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void existing warranties.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that utilities have been disconnected and capped.

B. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.

C. Inventory and record the condition of items to be removed and reinstalled and items to be removed and salvaged.

D. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.

E. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs and/or preconstruction videotapes.

1. Comply with requirements specified in Division 01 Section "Photographic Documentation."

F. Perform surveys as the Work progresses to detect hazards resulting from selective demolition activities.

3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

A. Existing Services/Systems: Maintain services/systems indicated to remain and protect them against damage during selective demolition operations.

1. Comply with requirements for existing services/systems interruptions specified in Division 01 Section "Summary."

B. Service/System Requirements: Locate, identify, disconnect, and seal or cap off indicated utility services and mechanical/electrical systems serving areas to be selectively demolished.

1. Owner will arrange to shut off indicated services/systems when requested by Contractor.
2. Arrange to shut off indicated utilities with utility companies.
3. If services/systems are required to be removed, relocated, or abandoned, before proceeding with selective demolition provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of site.
4. Cut off pipe or conduits as required. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing.

3.3 PREPARATION

A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.

1. Comply with requirements for access and protection specified in Division 01 Section "Temporary Facilities and Controls."

B. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.

1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of the site.

C. Temporary Shoring: Provide and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.

1. Strengthen or add new supports when required during progress of selective demolition.

3.4 SELECTIVE DEMOLITION, GENERAL

A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:

B. Removed and Reinstalled Items:

1. Clean and repair items to functional condition adequate for intended reuse. Paint equipment to match new equipment.
2. Protect items from damage during transport and storage.
3. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.

C. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and reinstalled in their original locations after selective demolition operations are complete.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

A. General: Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose hazardous materials in an EPA-approved landfill and

general site spoils such as dirt, asphalt, and concrete in an INDOT-approved waste area/site or licensed landfill.

1. Do not allow demolished materials to accumulate on-site.
2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
3. Comply with requirements specified in Division 01 Section "Construction Waste Management and Disposal."

B. Burning: Do not burn demolished materials.

C. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

3.6 CLEANING

A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began. Do not track mud or debris on drives and roadways outside of demolition area.

3.7 SELECTIVE DEMOLITION SCHEDULE

A. Existing construction to Be Removed.

B. Existing Items to Be Removed and Reinstalled.

C. Existing Items to Remain.

END OF SECTION 024119

SECTION 11 68 33 – FIELD EVENTS ATHLETIC EQUIPMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes equipment consisting of the following:
   1. Long Jump Take-off System.
   2. Long Jump Pit System with Sand Catch and Pit Cover.
   3. Pole Vault Pit system and Box Covers.
   4. Landing Pad Tie Down Anchors.
   5. Soccer Goals.
   6. Discus Ring.
   7. Discus Cage System.
   8. Shot Put Circle and Toeboard.

B. Related Sections include the following:
   1. Division 31 Section "Earthwork" for excavation and grading work.
   2. Division 32 Section “Synthetic Turf” for equipment intended specifically within the synthetic field area, such as football goals and turf grooming equipment.

1.3 DEFINITIONS

A. HDPE: High-density polyethylene.

B. MDPE: Medium-density polyethylene.

C. PVC: Polyvinyl chloride.

1.4 SUBMITTALS

A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: For each type of track equipment, include materials, plans, details, method of field assembly, connections, and installation details.

C. Product Certificates: Signed by manufacturers of equipment and certifying that products furnished comply with all sanctioning body requirements for High School competition.

D. Installer Certificates: Signed by manufacturer certifying that installers comply with requirements.

E. Manufacturer Certificates: Signed by manufacturers certifying that they comply with requirements.

F. Product Test Reports: From a qualified testing agency indicating playground equipment complies with requirements, based on comprehensive testing of current products.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who has specialized in installing work similar in material, design, and extent to that indicated for this Project and who is acceptable to manufacturer of equipment.

B. Testing Agency Qualifications: An independent testing agency with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548.

1.6 COORDINATION

A. Contractor shall supply all necessary labor and materials to fully install the described track equipment for competitive use based upon NFHS guidelines. All required formwork, bracing, fastening and installation procedures required to implement the equipment shall be included within the base-bid. Sequence work so equipment can be installed concurrently with concrete foundations, platforms, and adjacent resilient surfacing.

PART 2 - PRODUCTS

2.1 PRODUCTS AND MANUFACTURERS

A. Products: Subject to compliance with requirements, provide complete track equipment systems as indicated in the Drawings.

B. Manufacturers: The products identified below are intended as a basis of design, not as a proprietary limitation to competitive bidding. Other manufacturers are encouraged to submit product information to the Landscape Architect to be reviewed for equality during the bidding process. All such requests shall arrive no less than ten (10) days prior to bid opening.

C. Long Jump Take-Off System: Subject to compliance with requirements, provide products from the following manufacturer, or approved equal prior to bidding.
   1. Long and Triple Jump Take-Off Board System Model No. #LTJTOB8, as manufactured by Sportsfield Specialties Inc. Delhi, NY 13753, Phone 1-888-975-3343.
   2. Install per all manufacturer's recommendations. Include all accessories for a complete system ready for use, including but not limited to pilot holes, drainage weeps, braces, and forms required for installation and maintenance.

D. Long Jump Pit System with Sand Catch and Pit Cover: Subject to compliance with requirements, provide products from the following manufacturer, or approved equal prior to bidding.
   1. FlexEdge LJ/TJ Sand Pit System with Catcher, 26' Model No. #SEFLEXLJ3K26 as manufactured by SportsEdge, Troutman, NC 28166, Phone 800-334-6057.

2. Long and Triple Jump Sand Pit Cover as manufactured by SportsEdge, Troutman, NC 28166, Phone 800-334-6057.
3. Install per all manufacturer's recommendations. Include all accessories for a complete system ready for use, including but not limited to pilot holes, drainage weeps, braces, and forms required for installation and maintenance.
4. **Approved Equals: The following products have been approved as equals to the basis of design product:**
   a. **Sand Pit Form with Sand Catchers Series and Cover Model Numbers F44026 and F44026C as Manufactured by Gill Athletics, 2808 Gemini Court, Champaign, IL, 61822, Phone 1-800-637-3090.**
   b. **JumpForm H.S. Sand Pit Forming System with Covers Model Numbers SP6020 and equivalent Pit Cover Set as manufactured by Sportsfield Specialties Inc. Delhi, NY 13753, Phone 1-888-975-3343.**

E. Pole Vault Pit System: Subject to compliance with requirements, provide products from the following manufacturer, or approved equal prior to bidding.
1. #502 Aluminum High School Vault Box, as manufactured by Gill Athletics, 2808 Gemini Court, Champaign, IL, 61822, Phone 1-800-637-3090.
2. #50201 Flush Aluminum Vault Box Lid as manufactured by Gill Athletics, 2808 Gemini Court, Champaign, IL, 61822, Phone 1-800-637-3090.
3. Install per all manufacturer's recommendations. Include all accessories for a complete system ready for use, including but not limited to pilot holes, drainage weeps, braces, and forms required for installation and maintenance.

F. Landing Pad Tie Down Anchors: Subject to compliance with requirements provide products from the following manufacturer, or approved equal prior to bidding.
1. #PU1404 Stainless Steel, 4" length with 1.5" ID Ring, 2,000 lb rating, as manufactured by Anchor Manufacturing, Inc, 1510 Lone Oak Road, Eagan, MN, 55121, Phone 1-888-470-2292.
2. Embed in 12" x 12" x 18" deep concrete footings as indicated in Details for high jump area.

G. Soccer Goals: 8Hx24W. Ensure goals are fully compatible to slide under football gooseneck/crossbar provided within the Synthetic Turf specification.

H. Discus Ring: Subject to compliance with requirements adhering to the latest 34.92 degree throwing sector requirements, provide products from the following manufacturer, or approved equal prior to bidding.
1. #370 Aluminum Discus Circle, Surface Mounted, as manufactured by Gill Athletics, 2808 Gemini Court, Champaign, IL, 61822, Phone 1-800-637-3090.
2. Install per all manufacturer's recommendations. Include all accessories for a complete system ready for use, including but not limited to pilot holes, drainage weeps, braces, and forms required for installation and maintenance.

I. Discus Cage: Subject to compliance with requirements and adhering to the latest 34.92 degree throwing sector requirements, provide products from the following manufacturer, or approved equal prior to bidding.
1. #8020 High School Discus Cage, as manufactured by Gill Athletics, 2808 Gemini Court, Champaign, IL, 61822, Phone 1-800-637-3090.
2. Install per all manufacturer's recommendations. Include all hardware, netting, fasteners sleeves and halyards required for installation and competitive use of a complete system.

J. Shot Put Circle and Toeboard: Subject to compliance with requirements adhering to the latest 34.92 degree throwing sector requirements, provide products from the following manufacturer, or approved equal prior to bidding.

1. #372 Aluminum Shot Put Circle, Surface Mounted, and #364 Toeboard, as manufactured by Gill Athletics, 2808 Gemini Court, Champaign, IL, 61822, Phone 1-800-637-3090.
2. Install per all manufacturer’s recommendations. Include all accessories for a complete system ready for use, including but not limited to pilot holes, drainage weeps, braces, and forms required for installation and maintenance.

2.2 GENERAL

A. Colors: As selected by Landscape Architect from manufacturer's standard colors during Shop Drawing and Submittal Review process.

2.3 MATERIALS

A. Opaque Plastic: Color impregnated, UV stabilized, and mold resistant.

B. Hardware and Fasteners: Manufacturer's standard, commercial-quality, corrosion-resistant, stainless steel, or aluminum; secure, vandal-resistant design.

C. Drainage Fill: Washed coarse-aggregate mixture of crushed stone, or crushed or uncrushed gravel, as required to properly install and drain the system.

D. Paint and PVC-Coat Finish: Comply with 16 CFR 1303 for limiting lead in paint.

2.4 CAST-IN-PLACE CONCRETE

A. Concrete Materials and Properties: Comply with requirements in "Cast-in-Place Concrete" to produce normal-weight, air-entrained concrete with a minimum 28-day compressive strength of 3,000 psi (20.7 MPa), 3-inch (75-mm) slump, and 1-inch- (25-mm-) maximum size aggregate.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions for compliance with requirements for site clearing, earthwork, site surface and subgrade drainage, and other conditions affecting performance.
   1. Do not begin installation before final grading required for athletic surfacing is completed, unless otherwise permitted by Landscape Architect.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Verify locations of track equipment to IHSAA and NFHS guidelines. Verify that layout and equipment locations comply with requirements for each type and component of equipment.

3.3 CLEANING

A. After completing equipment installation, inspect components. Remove spots, dirt, and debris. Repair damaged finishes to match original finish or replace component.

END OF SECTION

SECTION 12 93 01 – ATHLETIC SITE FURNISHINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

B. Bidders shall include in their Base Bid price all materials, labor, and shop drawings required to provide and install each furnishing system, including all fasteners, anchors, foundations, footings, supports, and base preparation required to deliver a turn-key system that complies with these Specifications.

1.2 SUMMARY

A. This Section includes the following:

1. Ball Diamond Furnishings
   a. Foul Ball Poles
   b. Fence Toppers
   c. Home Plates
   d. Bases
   e. Pitching Mounds and Rubbers
   f. Rail Padding
   g. Outfield Markers
2. Batting Cage Netting
3. Flagpole
4. Baseball Team Bench
5. **Backstop Tension Netting System and Posts**

B. Prior to Final Acceptance, the Contractor shall submit to the Owner three (3) copies of Maintenance Manuals, which shall include all necessary instructions for the proper care of and preventative maintenance for baseball fields.

C. Related Sections include the following:

1. Specification Section “Earth Moving”
2. Specification Section “Concrete Paving”
3. Specification Section “Ball Diamond Construction”
4. Specification Section “Field Subdrainage”
5. Specification Section “Root Zone Media”

1.3 SUBMITTALS

A. General: Submit the following according to Conditions of Contract and Division 1 Specification Sections.

B. Product Data: For each type of site furnishing specified, with installation instruction for each unit built-in or connected to other construction. Include methods of installation for each type of substrate.

C. Samples for Initial Selection Purposes: Manufacturer's standard size samples showing full range of colors, textures, and patterns available for each type of site furnishing required.

D. Submissions for Verification Purposes: Manufacturer's standard sizes for each type of site furnishing required.

E. Shop Drawings: For each baseball furnishing system, indicating dimensions, anchoring methods, colors, finishes, and related delegated design requirements. Note that some systems require a signed and sealed engineer's certification. Shop drawings will allow for final approval from Landscape Architect and coordination of installation by Contractor. Color selections, if not clearly identified within this Specification, will also be determined during the submittal process as selected from the Manufacturer's full range.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: Firm (Material Producer) with not less than three (3) years of production experience, and whose published literature clearly indicates compliance with the indicated requirements of this Section.

B. Single Source Responsibility: Provide each required type of site furnishing as produced by a single manufacturer.

1.5 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to Project site in original factory wrappings and/or containers, clearly labeled with identification of manufacturer, brand name and lot number (as applicable).
   1. Sequence delivery of site furnishings as near as practicable to required time scheduled for installation so as to minimize the required amount of onsite storage time.
   2. Store materials in original, undamaged packages and containers, protected from the elements, soiling and other potential sources of damage.

B. Comply with instructions and recommendations of manufacturer for additional delivery, storage and handling requirements.

1.6 MAINTENANCE

A. Maintenance Instructions: Submit manufacturer's printed instructions for maintenance of installed Work, including methods and frequency recommended for maintaining optimum condition under anticipated use conditions. Include precautions about materials and methods which may be detrimental to finishes and performance.

PART 2 - PRODUCTS

2.1 MISCELLANEOUS MATERIALS

A. Welding Electrodes and Filler Metal: Type and alloy of filler metal and electrodes as recommended by producer of metal to be welded, complying with applicable AWS specifications and as required for color match, strength and compatibility in fabricated items.

B. Cast-in-Place Anchors: Anchors fabricated from corrosion-resistant materials with capability to sustain imposed design loads when installed in concrete as determined by testing per ASTM E 488 conducted by a qualified independent testing agency.

C. Fasteners: Use fasteners of same basic metal as the fastened metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials joined.
   1. Provide concealed fasteners for interconnection of site furnishings and for their attachment to other Work except where exposed fasteners are unavoidable or are manufacturer's standard fastening method. Provide tamper-proof machine screws for exposed fasteners, unless otherwise indicated or approved by the Landscape Architect.

2.2 FABRICATION, GENERAL

A. Provide site furnishing items, both freestanding and permanently installed, equipped with functions as specified. Fabricate units with tight seams and joints, exposed metal edges rolled. Provide products with smooth welds, consistent finish with no evidence of wrinkling, chipping, uneven coloration, dents or other imperfections.

2.3 BALL DIAMOND FURNISHINGS

A. Foul Ball Poles: At the left and right field corners of all ball diamonds fields. Provide and install 20' tall yellow powder coated finish Foul Ball Markers as listed below. Include all pole wings, hardware foundations, anchors, and footings. Coordinate exact location during submittal process to ensure the foul pole is as close as possible to the same plane as the outfield fence.

   a. Beacon Athletics 130-405-089-20' ht.
   b. Sportsfield Specialties LGFPW420--20' ht.
   c. Porter Athletics 330-002- 20' ht.

B. Fence Toppers: Basis of Design is 'Tear- Drop Fence Topper', 0.9" thickness, for all outfield and sideline fences for both softball and baseball, including all required attachment hardware, as coordinated, designed, and fabricated by Beacon Athletics, 1-800-747-5985, or approved equal prior to bidding.

   a. Pre-Approved Equal: Safety Top Cap, as coordinated, designed, and fabricated by On Deck Sports, 1-800-365-6171.

C. Home Plate: Provide and install home plates on the playing field and bullpens as shown in the Plans, as manufactured by Hollywood MLB Pro Style, Model #301-675-859, Beacon Athletics, 1-800-747-5985, or approved equal prior to bidding. Install all corresponding stanchion, anchors, and base per manufacturer's recommendations.

D. Bases: Provide and install full set of bases, as manufactured by Soft Touch Premium, Beacon Athletics, 1-800-747-5985, or approved equal prior to bidding. Use 1.5” steel stanchion anchors. Install all corresponding pegs, anchors, caps, and bases per manufacturer’s recommendations and local building codes. For Varsity Softball, utilize a double first base configuration.

E. Pitching Rubbers and Raised Mounds: Provide and install raised mounds with a permanent pitching rubber for both the playing field and bullpens, as shown in Plans. Hollywood Four-Sided Permanent, Model #335-675-149, Beacon Athletics, 1-800-747-5985, or approved equal prior to bidding.

F. Rail Padding: Basis-of-design - Guard Rail Padding, for dugout protective screen frames on the Baseball Field, including all required grommets and attachment hardware, as coordinated, designed, and fabricated by Gametime Athletics, 1-877-891-2476, or approved equal.

1. Numerous manufacturers, including those listed below, offer comparable products and are encouraged to offer an equal product as part of the bidding process. Manufacturers not listed are also welcomed to compete. Provide full product literature and ensure all quality standards demonstrated by the basis-of-design product are met or exceeded.

a. Beacon; b. Sportsedge; c. Sportsfield Specialties; d. Promats Athletics;
e. On Deck Sports; f. Gametime Athletics; g. Betterbaseball.com

G. Outfield Distance Markers: Basis-of-design – Standard Outfield Distance Marker, approximately 38"H x 56"W with 24" numerals, including all required grommets, hardware, and anchors. As coordinated, designed, and fabricated by Beacon Athletics, 1-800-747-5985, or approved equal.

1. Numerous manufacturers, including those listed below, offer comparable products and are encouraged to offer an equal product as part of the bidding process. Manufacturers not listed are also welcomed to compete. Provide full product literature and ensure all quality standards demonstrated by the basis-of-design product are met or exceeded.

a. Beacon; b. Sportsedge; c. Sportsfield Specialties; d. Promats Athletics;
e. On Deck Sports; f. Gametime Athletics; g. Betterbaseball.com

2.4 BATTING CAGE NETTING

A. Basis-of-design: TUFFframe PRO Outdoor Batting Cage, in general configurations shown in Plans, as manufactured by Beacon Athletics, 1-800-747-5985, or approved equal prior to bidding.

2.5 FLAGPOLE

A. Basis-of-design: MDG35CCOPT 35' Internal Halyard Flagpole with lockable cover plate, cam cleat, satin-finish tapered pole, gold ball top, escutcheon plate, and all proper footings, corrugated tubing, anchors, hardware/clips for a complete installation. As coordinated, designed, and fabricated by Admiral Flag Inc, 1-800-783-7653, or approved equal.

B. Numerous manufacturers offer comparable products and are encouraged to offer an equal product as part of the bidding process. Provide full product literature and ensure all quality standards demonstrated by the basis-of-design product are met or exceeded.

2.6 TEAM BENCHES

A. See Drawings for proposed locations

B. Basis-of-design: Corsair Bench, two tier powdercoated bench with treated wood slats, as manufactured by R.L. Industries (Baseballracks .com), phone 708.636.1047 or equivalent.

C. Quantity:
1. Softball Dugouts: 22'-6" of seating length ((3) 7'-6" sections)
2. Baseball Dugouts: 30'-0" of seating length ((4) 7'-6" sections)

2.7 ALTERNATE BACKSTOP TENSION NETTING SYSTEM AND POSTS

A. Basis-of-design: 35' total height Backstop System, including Posts, Netting, and Cable Support Systems, as coordinated, designed, and fabricated by Beacon Athletics, 1-800-747-5985, or approved equal prior to bidding.

B. The following manufacturers are considered pre-approved Netting System providers. Note that these manufacturers are being approved based upon past work and proven ability to deliver turn-key netting systems. <u>All bidders shall fully conform to the existing specifications.</u>

a. Beacon Athletics
b. West Coast Netting
c. C&H Baseball
e. Sportsfield Specialties
f. Custom Net Backstops, Inc.

C. The Manufacturer must offer comprehensive design-build support and engineering as part of the Base Bid, including coordination with available geotechnical information and structural design and stamping of plans by a structural engineer registered in the State of Indiana. <u>Provide and install a complete, turn-key netting system.</u>

D. Baseline requirements identified by Beacon Athletics during planning:
- **Netting: Black #42 HDPE twisted knotted netting, 1 7/8" netting cut and hung on square, no less than 220 lb. tensile strength, UV stable, no greater than 3.75" stretch.**
- **Yarn: 380 D Extruded HDPE Fibers; 3-strand with Z-twist into S-twist (or equivalent); melting point greater than 250 degrees Fahrenheit.**
- **Rope: Black 5/16" diameter Braided Polyester (or equivalent); no less than 3,000 lb. tensile strength.**
- **Hanging Twine (when applicable): Perma Black #36 Round braid Nylon filament (or equivalent); no less than 340 lb. tensile strength.**
- **Provide and install all required horizontal and vertical cabling, attachments, turnbuckles, reinforcement plates, grommets, clips, caps, and sleeves.**
- **Main support poles, anchors, and connections shall be the responsibility of the Contractor. Coordinate with adjacent masonry trades to ensure installation achieves desired loading conditions.**
- **Epoxy set eyebolts on a frequency delineated by the Manufacturer along the masonry wall below the netting. The Contractor shall ensure that this work has been properly coordinated and performed to allow seamless trade interaction.**

- **For cable tension options, the vertical posts shall be assumed to be X65 strength pipe as graded via API 5L designations. Posts shall be painted 'Flat Black', no fewer than three (3) coats of paint achieving a consistent 5-mil or greater thickness, with UV-stabilized paint intended for outdoor use on exposed metal surfaces.**

E. The Manufacturer shall confirm exact sizes of all netting systems, materials, hardware and supports. Provide post column supports, cross members/brackets/tension overhead cables, as well as all related footings and anchors. Contractor shall provide and install all fasteners recommended by the Manufacturer and in accordance with their stamped structural engineering shop drawings to deliver a complete, fully functioning system.

Due to the delegated design responsibilities of each Bidder, should a Bidder's calculations indicate larger posts are required than implied in these drawings or specifications, the larger system shall be included within the Base Bid.

F. The latest edition of the International Building Code shall apply to the manufacturer's delegated design responsibilities. Bidders shall size all posts and anchors to account for wind/ice/snow load on the netting systems in the event that they remain up year-round.

G. Should the size and complexion of the posts or locations change during the Manufacturer's shop drawing and submittal process, the Landscape Architect will assist with adjusting the project CAD files to assist the Contractor with expediting field staking procedures. Any costs related to changes in labor or materials shall remain the Contractor's responsibility.

Note that posts may sometimes land near buildings and other below-grade utilities. Bidders shall include costs within their base bid to field-adjust to such conditions.

PART 3 - EXECUTION

3.1 PREPARATION

A. Coordinate and furnish anchorages and setting drawings, diagrams, templates, instructions and directions for installing items having integral anchors that are to be embedded in concrete or masonry construction. Coordinate delivery of such items to the Project site.

3.2 INSTALLATION, GENERAL

A. Provide anchorage devices and fasteners where necessary for securing site furnishings to in-place construction.

B. As required, and in accordance with manufacturer’s written recommendations, perform drilling and fitting to install units. Set units accurately in location, alignment and elevation, plumb, level and true, measured from established lines and levels. Provide temporary bracing or anchors in form work for items that are to be built into concrete, masonry or similar construction.

C. Fit exposed connections accurately together to form tight, hairline joints. If cutting, welding and/or grinding is required for proper shop fitting and joining of site furnishings, restore finishes to completely eliminate any evidence of such corrective Work.
   1. Do not cut or abrade finishes that cannot be completely restored in the field. Return items with such finishes to the shop for required alterations, followed by complete refinishing, or provide new units as required.

3.3 INSTALLATION

A. Verify that materials are those specified before installing. Inspect site furnishings to ensure that all units are complete, including fasteners, anchoring devices and/or accessories required for installation as shown and indicated.

B. Coordinate installation of site furnishings with related Work to ensure units will be undamaged at time of acceptance of Work. Provide temporary protective covering for units to avoid damage during the remainder of the construction period. Remove any temporary coverings at time of Substantial Completion.

C. Remove and replace all damaged or defective items at no additional cost to the Owner. Clean and polish exposed surfaces using materials and methods as recommended by the manufacturer.

END OF SECTION

SECTION 13 34 16 - PERMANENT GRANDSTANDS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SYSTEM DESCRIPTION

A. Provide labor, material, equipment and supervision necessary to complete installation of permanent steel grandstand and Pressbox for New Home Grandstand and Dismantle, Reconfigure, reconstruct Existing Grandstand for New Visitors side including the following:

1. Steel Substructure
2. Seat, Decking and Railing System
3. Raised front crosswalk.
4. Press Box Support Structure on Home side
5. Press Box on Home side
6. Design Concrete Foundation and flatwork.

B. Minimum Equipment to be supplied:

1. Home Grandstand(Permanent Horizontal Beam Type):

a. Fully Closed guttered Interlocking aluminum deck system with secondary Gutters at all deck joints. (Owner to provide fluid collection syst. at grade)
b. Permanent Galvanized Steel understructure as shown on Drawings to accommodate perimeter vinyl banner enclosure.
c. 13 inch rise x 26 inch tread spacing.
d. 21 rows x 180 ft. total bank length elevated 48 inches above grade.
e. Provide Elevated Rear pressbox landing structure allowing access to the pressbox rear corrider, rear facing entry doors for each interior room.
f. Provide for 10 ft. x 54 ft. 3 room, Double Counter(staggered in height) All Steel Constructed Pressbox w/sloped front and hot/cold PTAC units in each room and aluminum counters. **(Prewired w/electrical Panel, Lights, Duplex Recepticles, Empty Conduits as needed for Sound, etc.)**
g. External stair to 10 ft. ' x 54' roof viewing deck as shown.
h. Riser mounted Extruded anodized aluminum seat brackets.
i. Surface mounted hardware (no through drilling of decking or risers).
j. Portal/Vomitories provided as shown.
k. Provide 18 ADA wheelchair spaces and two wheelchair ramps.
l. Aluminum Exit stairs w/all required railings.
m. Rear Crosswalk w/aluminum drink counters and 6 ft. high rear guard railings.
n. Painted extruded aluminum vertical risers and step risers(standard colors).
o. Aluminum footboards: Premium traction system finish. (see below further description).
p. Vertical Aisle Anodized Aluminum handrails and half steps.
q. Perimeter Guardrailing to consist of three(3) Anodized extruded aluminum Pipes, two of which carry the Black vinyl coated chain link fabric at all guard railings.
r. Foundations to be min 24 inch diameter concrete piers over spread footings as required. Min. 4 anchor bolts/column baseplates. Design and

placement to be by Grandstand Supplier and in accordance with owner provided Soil Report.

s. Grandstand Supplier to be AISC Certified Manufacturer

t. 2,148 Net seats as shown.

2. Visitor Grandstand:

a. Dismantle and remove Existing Grandstand.

b. Reconfigure/Reassemble at new location without existing pressbox as shown.
-place upper rows to center section.
-place wheelchair ramps to the middle vomitory/portal areas.

c. Provide additional materials as needed to meet all safety requirements(ie. additional rear guardrailings, under support splice plates, etc.).

1.03 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturers must have ten years of experience in the manufacture of bleachers and grandstands; manufacturer must exhibit proof of business existence for past five years with documentation; welders must be AWS certified.

B. Installer Qualifications: Experienced in the proper installation of grandstands.

C. Source Quality Control: Mill Test Certification.

1.04 SUBMITTALS

A. Manufacturer's Product Data: Submit manufacturer's descriptive product data for project.

B. Shop Drawings: Manufacturer to submit shop drawings sealed by a registered engineer and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the applicable code and relevant laws.

C. Product Sample: Submit one 18-inch seat sample.

D. Color Sample: If applicable, submit sample.

1.05 PERFORMANCE REQUIREMENTS

A. Delegated Design: Design metal stairs, including comprehensive engineering analysis by a qualified professional engineer, licensed in the state the project is located, using performance requirements and design criteria indicated.

1. Comply with State and Local Codes.
2. Accessibility Standard: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities and ICC A117.1 .

1.06 SITE CONDITIONS

A. Field Site:

1. Owner to make site accessible.
2. Owner to verify site locations, benchmarks.

B. Underground Utility Line: Owner to clearly mark all underground utilities and obstructions and Owner to relocate all that conflict with grandstand.

C. Soils Report: Refer to soils report for this project..

1.07 WARRANTY

A. Permanent Grandstand shall be under warranty for a period of five (5) years beginning at Date of Substantial Completion for Projects installed by Manufacturer. The warranty will provide for repair or replacement of failed components due to defect in materials and workmanship of installation for the specified period. This warranty excludes any other defects resulting from abnormal use in service, vandalism, weathering, oxidation, accidental or intentional damage or any occurrences beyond Manufacturer's control.

B. The Press Box is warranted to be free from defect in materials and workmanship in the course of manufacture. This warranty excludes any other defects resulting from abnormal use in service, accidental or intentional damage or any occurrences beyond manufacturer's control.

1.08 MAINTENANCE

A. Owner is to conduct annual inspection and required maintenance of grandstand to ensure safe conditions. It is also recommended that a professional engineer or registered architect perform inspections biennially.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Basis of Design: Subject to compliance with project requirements, provide Southern Bleacher Company products or approved equivalent by listed manufacturers.

1. Southern Bleacher Company.
2. GT Grandstands
3. Sturdi Steel
4. E&D Specialty Stands, Inc.

B. Other manufacturers seeking to be approved must submit product literature on Permanent Horizontal Beam design to the Owner for review and receive approval from Owner seven days prior to bid date.

2.02 PERMANENT HORIZONTAL BEAM DESIGN PERMANENT HOME GRANDSTAND

A. Product Description:

1. Custom Horizontal Beam Design: Net Seating capacity as indicated on Drawings.
2. Vertical columns are placed as shown over Concrete Piers/Spread Foundations.
3. Traverse bays are free of cross-bracing the total length of the grandstand.
4. Stringers are wide flange with steel angle rise and depth fabrication and are placed 6 feet on center.
5. Front Walkway: Elevated 4 feet 0 inches
6. Entry stairs to be firmly anchored to uniformly poured concrete bases.

a. Stair rise: max. 8 inches per IBC 2012 Building Code with aluminum closure.
b. Stair tread depth: 11.5 inches per IBC 2012 Building Code.
c. Guardrails on Stair to be 34 inches above leading edge of step with intermediate rail spacing at 12 inches.

d. Stairs to have handrail extension. The handgrip portion of handrails shall not be less than 1 1/2 inches or more than 2 inches in cross-sectional dimension or the shape shall provide an equivalent gripping surface. The handgrip portion of handrails shall have a smooth surface with no sharp corner. The top of handrails and handrail extensions shall be placed not less than 34 inches or more than 38 inches above the nosing of treads and landings. Handrails shall be continuous the full length of the stairs and shall extend in the direction of the stair run not less than 12 inches beyond the bottom riser. Ends shall be returned or shall terminate in newel posts or safety terminals.

7. Aisles:

a. Aisles with seating on both sides to have 34-inch high handrail with intermediate rail at approximately 22 inches above tread.
b. Anodized aluminum handrails with rounded ends are discontinuous to allow access to seating through a space 22 inches (min.) to 36 inches (min)

8. Fully Closed Interlocking Moisture Control Deck System w/secondary gutters:

a. Rise per row 13 inches, depth per row 26 inches.
b. Each seat 17 inches above its respective tread.
c. Decking Arrangement _

(1) The tread system shall be comprised of aluminum extrusions which interlock together lengthwise and form a .922” x .60” V-shaped gutter running the length of the planks. The interlocking mechanism will minimize deflection and not separate due to loads being applied to individual planks. *The locking mechanism by design shall allow for expansion and contraction of individual planks without effecting performance of the system*. The system shall cause the deck planks to react together at all treads and cross walks to live load and form the appearance of a single tread system. By design, this system forms a solid, overlapping tread and riser installation.
(2) The nose extrusion shall allow for a 1” extruded aluminum contrasting nose piece to be flush mounted on the leading edge and shall capture the vertical riser plank in an extruded pocket. The heel extrusion shall have a .70” vertical lip at the rear of the plank to allow for placement of vertical riser plank and inhibit fluids from escaping at the rear of the tread.
(3) These extrusions shall be such that the attachment of the seat brackets, step brackets, mid-aisle rails and all other components is accomplished without deck penetrations. *No through bolting or drilling of the aluminum tread / riser system shall be permitted*.
(4) The system shall allow for seat and aisle reconfiguration at any time without evidence of its previous configuration.
(5) At all butt joint locations of the interlocking deck system, a secondary gutter shall be installed below the aluminum tread / riser system that allows fluids to be contained and gravity flow toward the first tread. This gutter will collect fluids and control them to specific areas.
(6) The secondary gutter system shall be placed on to the structural steel support system of the grandstand such that the gutter is supported by stringers / raker beams at each side. These stringers / raker beams shall be a minimum 12” apart to allow for adequate gutter widths to properly collect fluids drainage.

(7) These secondary gutters shall terminate at strategic locations dependent on the grandstand layout. At the termination points, a collection box will be provided such that the owner can make a connection to allow for desired fluid routing.
(8) Entry stairs and ramps to be 2 x 12 mill finish aluminum.
(9) Open ends of planks to be covered with aluminum end caps, securely fastened to the plank.
(10) Joint sleeves: Dual joint sleeves to be inserted at each butt joint of each load bearing aluminum plank, and to penetrate 6 inches into each plank at the joint. Joint sleeves are not required at secondary gutter locations.

9. Guardrailing: To be at all sides of bleacher, entry stairs and ramps, portals, and landings. Railing to be anodized aluminum with end plugs at ends of straight runs and/or elbows at corner. All guardrails shall be secured to angle rail risers by galvanized fasteners. Railing shall be 42" above walkways and entrances(except 6 ft. at rear crosswalk. Railing shall be 42" above any adjacent seat. Guardrailing on sides and back shall include Black vinyl clad chain link fencing fastened in place with galvanized fasteners and aluminum ties.
10. Cross Aisles:

a. Clear width 60 inches.
b. Guardrail to be 42 inches above tread

11. Ramps:

a. Slope: 1:12
b. Guardrail to be 42 inches above ramp with Black vinyl clad chain link fence and 2 x 6 toe board.
c. Handrail: Ramps to have handrail extension. The handgrip portion of handrails shall not be less than 1 1/2 inches or more than 2 inches in cross-sectional dimension or the shape shall provide an equivalent gripping surface. The handgrip portion of handrails shall have a smooth surface with no sharp corners. The top of handrails and handrail extensions shall be placed not less than 34 inches or more than 38 inches above the ramp surface. Handrails shall be continuous the full length of the ramp and shall extend in the direction of the ramp not less than 12 inches beyond the end of the ramp. Ends shall be returned or shall terminate in newel posts or safety terminals.

12. Handicap provision:

a. Quantity of wheelchair spaces: 18
b. Riser area adjacent to wheelchair spaces to have intermediate construction so 4 inch sphere cannot pass through opening.

B. Materials/Finishes

1. Substructures:

a. Structural shapes meet one of the following ASTM specifications: A36, A36/A572 grade 50, A572 grade 50, A529-50, or A500 grade B.
b. Shop connections are seal welds.
c. After fabrication, all steel is hot-dipped galvanized to ASTM-A-123 specifications.

d. Painted steel finish is unacceptable.

2. Extruded Aluminum:

a. Seat Planks, Backrests, Stanchions, and Railing are extruded aluminum alloy, 6063-T6 with clear anodized 204R1, AA-M10C22A31, Class II finish.
b. Tread planks are extruded aluminum alloy 6063-T6 non-skid finish
c. Vertical tread risers and half step risers, and to be extruded aluminum Alloy 6063-T6 with Painted finish from manufacturer's standard colors
d. Joint Sleeve Assembly to be inserted in flat plank to maintain true alignment in joining together two plank pieces. Extruded aluminum alloy, 6063-T, mill finish. Splice cover is unacceptable between two flat seat plank pieces joined in a straight line.

3. Accessories:

a. Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II. Polyethylene end cap is unacceptable.
b. Hardware:
(1) Bolts, Nuts: Hot-dipped galvanized or mechanically galvanized.
(2) Hold-down Clip Assembly: Aluminum alloy 6005A-T6, mill finish.
(3) Structural Hardware: Equal to or greater than hot-dipped galvanized ASTM-A307. No connections utilizing high strength bolts are classed as slip critical.
c. Aisle Nose and Stair Nose: Aluminum alloy, 6063-T6, non-skid powder coat finish

C. Fabrication:

1. Design Load:

a. Live Load: 100 psf gross horizontal projection.
b. Lateral Sway Load: 24 plf seat plank.
c. Perpendicular Sway Load: 10 plf seat plank.
d. Live Load of Seat and Tread Planks: 120 plf.
e. Guardrail: Per IBC 2012 Building Code.

2. All manufactured connections to be shop welded.

a. Manufactured by certified welders conforming to AWS Standards.
b. Manufacturer to be AISC certified.

2.03 PRESS BOX WITH METAL STRUCTURE

A. Product Description: Type II Construction

1. Press Box Support Structure: Independently supported but connected to rear of grandstand. Support Structure to be 17 1/2 feet wide by 72 feet long with walkway at rear of press box.
2. Press Box Dimensions: Main pressbox 10 ft by 54 ft To have roof camera area and Aluminum External stair access. Provide perimeter guardrails and fence to match grandstand on roof camera area.
3. Provide Landings to either side of main pressbox and rear walkway for access to individual interior rooms.
4. Press Box to be of open construction, allowing inspection of electrical wiring, switches and other components without destructive disassembly.

5. Three internal rooms as drawn in main pressbox (divider walls to have windows at the front of walls to allow for downfield viewing) Two tiers of counters as shown
6. All Welded Steel Frame Construction with steel doors/frames.
7. Provide Steel R-Panel Siding. Choice of standard manufacturer's colors
8. Exterior Steel R-Panel siding.
9. Sloped front windows for better viewing and less glare.
10. Extruded Aluminum Counters
11. Plate Steel Roof Deck w/Elastomer Coating.
12. Extruded Aluminum Flooring.
13. Hot/Cold PTAC Units to be provided in each room.

B. Materials/Finishes

1. Press Box Support Structure:

   a. Structural shapes meet one of the following ASTM specifications: A36, A36/A572 grade 50, A572 grade 50, A529-50, or A500 grade B.
   b. Shop connections are seal welds.
   c. After fabrication, all steel is hot-dipped galvanized to ASTM-A-123 specifications.

2. Press Box: All materials shall be new and shall comply with ASTM specifications.

   a. Floor
      (1) Main support to be a galvanized steel floor frame sized to support structure and metal belly pan for support of insulation.
      (2) Floor to be INTERLOCK Aluminum Decking System, extruded aluminum alloy 6063-T6, mill finish. Attach Decking System to steel floor frame with mechanical fasteners at end of plank and at intermediate supports. (Tongue & Groove or Standard extrusion is not acceptable.) Vinyl tile from manufacturer's standard selection.
      (3) Insulation: Kraft faced fiberglass building insulation R-11, 3 1/2 inches thick. Batt or roll as manufactured by Owens-Corning Fiberglass Corp., or equal.

   b. Wall Structure
      (1) 4 inch x 4 inch x 11 gauge square tubing with maximum span of 14 feet on front wall and maximum span of 6 feet on back wall and 4 inch x 2 1/2 inch x 14 gauge steel "cees" with maximum spacing of 5 feet for all walls with siding. Spans greater than these require engineered calculations for design.
      (2) Insulation: Kraft faced fiberglass building insulation R-11, 3 1/2 inches thick. Batt or roll as manufactured by Owens-Corning Fiberglass Corp., or equal.

      (3) Interior Finish
         (a) 1/2 inch vinyl coated gypsum panels, Gold Bond vinyl-surfaced Durasan- Harvest Cotton.
         (b) Cove Base: Vinyl 4 inches x .080 equal to PRO CB-35 Nubian.

      (4) Exterior Finish
         (a) 26 gauge pre-finished R-Panel paneling as manufactured by MBCI,

Signature 200 color series, or equal.

(b) Wall panels are attached with #12 TEK screws - 6” O.C. at the top and bottom of the panels.

(c) Lap screws are placed at each end of the panels, at the intermediate supports, and at the mid point between supports (TEK #14).

(d) All fasteners to be painted same color as exterior paneling.

c. Roof Structure

(1) 4 inch x 4 inch x 11 gauge square tubing with maximum spacing of 6 feet on center and 4 inches x 2 1/2 inches x 14 gauge steel "cees" with maximum spacing of 2 feet on center.

(2) Roof: 1/8 inch four way steel plate roof, continuous welded seams coated with acrylic metal primer as manufactured by Coronado and 36 mils of acrylic roof coating as manufactured by Isothermal Protective Coatings, or equal. Plate is welded on both sides of rafters with 1-1/2 inch long 1/8 inch fillet welds on 12 inch centers.

(3) Insulation: Kraft faced fiberglass building insulation, R-19 (minimum) 6 inches thick. Batt or roll as manufactured by Owens-Corning Fiberglas Corp., or equal.

(4) Cornice: 26 gauge steel pre-finished to match metal siding.

(5) Ceiling: 24 inch x 24 inch x 5/8 inch acoustical ceiling tile (model #- USG Fissured 560) with USG grid main tee (model # DXL24), cross tee (model # DXL 216), wall angle (model # M7), wind clips and other components as manufactured by USG, or equal.

d. Exterior Door(s)

(1) Full flush steel construction with honeycomb core. 18 gauge skin sheets. Dimensions: 3 feet 0 inches x 6 feet 8 inches. Color: White.

(2) Steel door frame (16 gauge) complete with 1/2 inch threshold and weather-stripping.

(3) Exterior Hardware: Yale 546F Exterior Trim, or equal. Handles shall be lever type that allow operation without tight grasping or twisting of the wrist. Keyed alike locks utilizing Best locks system(school to provide info)

(4) Interior Hardware: Yale 2100 Exit Device. Handle shall be panic bar that allows for opening without any grasping, twisting or turning.

e. Interior Walls as shown

(1) Framing to be steel galvanized studs (25 gauge) 1 1/4 inch x 3 5/8 inch at maximum 2 feet on center.

(2) Finishes to be consistent with all other interior finishes.

(3) Provide fixed windows at front counter of each wall (see drawing)

f. Windows

(1) Frame: Extruded aluminum single hung, vertical sliding unit**,** thermal break. Sloped windows per drawings.

(2) Sash: Tilt toward inside for easy cleaning.

(3) Glazing: Clear tempered panes.

(4) Dimensions of each unit: Dependent on compartment size. At interior wall locations or structural support locations the dimension between windows shall be no greater than 6 inches.

(5) Finish: Electrostatically applied acrylic enamel.

g. Work Bench
   (1) 18 inch wide work Countertops. Interlocking anodized aluminum. Heights shall be constructed to allow wheelchair usage at all locations.
   (2) Welded structural counter supports.

h. Painting: Materials equal to. Coronado~~,~~ or equal.
   (1) Surfaces: Exterior Door(s), Door Frame(s)
      (a) Primer: Applied by Door Manufacturer.
      (b) Finish: 2 coats acrylic latex semi-gloss enamel applied by press box manufacturer.
   (2) Surfaces: Interior Doors (if applicable)
      (a) Primer: Jones Blair Interior Exterior Oil Primer, or equal.
      (b) Finish: 2 coats acrylic latex semi-gloss enamel.
   (3) Surfaces: Exterior Siding
      (a) Primer: Applied by Siding Manufacturer.
      (b) Finish: Applied by Siding Manufacturer.
      (c) Touchup: If applicable
   (4) Surfaces: Wall and Roof Structure
      (a) Primer: Coronado DTM Industrial 180-11 acrylic metal primer applied after welding, or equal.

i. Caulking: Sonneborn NP1 – Polyurethane sealant, All temperature, UV resistant, or equal. Silicone products are not acceptable.

j. Electrical/HVAC:
   (1) Service Entrance Panel: Square-D Q0124M100 with Main Disconnect; rated at 120/240v, single phase, 100 amp capacity
   (2) Receptacles: Pass & Seymour 125 volt/15 amp duplex, spec-grade, along the rear wall. Wiremold 5400 Series two-piece multi-channel, dual voltage, non-metallic surface raceway along front wall below both scorer's counters, outlets on 48" centers.
   (3) Interior Lighting: SATCO #62-1054 45/LED/1x4/FLUSH/3K/WH 45 watt, 30K, LED 1x4 surface mounted LED light – or equivalent.
   (4) Emergency/Exit lights: Lithonia ECR-REM-LED emergency combination exit/flood light with 90 min. battery back-up and ERE-SLG-WP LED remote emergency flood light – or equivalent.
   (5) Switches: Lutron #MSCL-DP153M-LA dimmable occupancy sensor switch with manual override, Intermatic #EI500 programmable astronomical timer switch.
   (6) Circuits: All branch circuit wiring is minimum #12 THHN encased in EMT thin wall conduit or MC Cable.
   (7) One Zoneline #AZ65H09DAB 3.4 KW electric wall mount heat pump unit, per box – Or equivalent.
   (8) Special Notes:
      (a) Provide conduit pathways locations for onsite sound system and voice/data network wiring. Refer to site plans and electrical plans for requirements.
      (b) External lighting for ends and rear walkways around press box.

PART 3 - EXECUTION

3.01 INSTALLATION

A. All work performed by technicians experienced in bleacher seating installation.

B. Project as per approved shop drawings.

3.02 FIELD QUALITY CONTROL

A. Foundation: Footings for the grandstand shall provide sufficient bearing area at bottom to support all loads of the grandstand. Depth and design of footings shall be determined by owner supplied soil test. Hot-dipped galvanized anchor bolts shall be secured in the concrete footings. Concrete shall attain working strength of 3,000 psi.

3.03 CLEAN-UP

A. Clean up all debris caused by work of this section.

B. The Owner, Architect and Contractor acknowledge and accept that mill finish aluminum as specified will have water stains present from transportation and storage during installation. Removal of these stains is not part of this contract.

C. Stand to be broom cleaned at completion.

END OF SECTION

SECTTION 31 23 23 - FLOWABLE FILL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS AND WORK

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification Sections, apply to work of this Section.

B. Section 312000 – Earth Moving

C. Related Site Civil Drawings Issued by Civil & Environmental Consultants, Inc., dated April 15, 2022 and subsequent addendums.

1.2 DESCRIPTION OF WORK

A. Provide flowable fill as shown and indicated on the drawings below bottom of footing elevations to stable subgrade elevations as determined by the on-site soils representative. See drawings for estimated/bid elevation for this work. Because of the time required for "setting up", this material should be left open for approximately twelve hours prior to forming of the footings. Shoring for excavations and trenches shall meet the requirements of the latest edition of OSHA Regulation 1926, Subpart P.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Cement shall be Type I Portland cement conforming to ASTM C150. Fly ash shall meet the requirements of ASTM C618, Class C. Fly ash shall have a minimum CaO content of 20.0 percent. Sand shall be clean, durable sand containing not more than the following:

1. Deleterious Materials: Clay lumps, when tested in accordance with ASTM C142, shall be less than 0.5 percent. Lightweight pieces, when tested in accordance with ASTM C123, shall be less than 5.0 percent. Organic I impurities, when tested in accordance with ASTM C40, shall not show a color darker than the standard color.

2. The plasticity index shall be six (6) or less when tested in accordance with ASTM D4318.

3. Sand shall be free of organic matter and deleterious substances and shall meet the following gradation requirement: Percent Passing, Square Sieve Size by Weight 3/8" 100%, No. 200 0-10%.

   (Note: It is intended that the sand be a finer sand that will stay in suspension, in the mixture, to the extent required to obtain a flowable consistency. The gradation shall be adjusted to achieve this consistency.)

B. Water shall be clean and clear, free of oils, acids, alkalis, organic matter, or other deleterious substances and shall conform to the requirements of ASTM designation C94.

C. Admixtures shall conform to ASTM Designations C1017 and/or C494.

2.2 MIX DESIGN

A. The following are given as typical mix designs for trial mixes. Adjustments of the proportions may be made to achieve proper solid suspension and optimum flowability. Admixtures may be used, if desired, to improve the characteristics of the mix. The suggested quantities of dry material per cubic yard are as follows:

Trial Mix No. 1:
Cement 100 lbs.
Fly Ash 250 lbs.
Sand 2,800 lbs.
Water (approx.) 60 gals.

Trial Mix No. 2:
Cement 100 lbs.
Fly Ash 300 lbs.
Sand 2,600 lbs.
Water (approx.) 70 gals.

The above quantities will give an approximate yield of one cubic yard. The flowability of the mixture shall be observed by the Engineer and flowability increased/decreased by adjusting the water content as well as increasing/ decreasing the air entraining admixture content.

PART 3 - EXECUTION

A. Consistency.

The consistency of the mix shall be tested by filling an open-ended, three-inch diameter cylinder, six-inches high, to the top with flowable fill. The cylinder shall be immediately pulled straight up and the correct consistency of the flowable fill shall produce a minimum eight-inch diameter circular type spread, with no segregation. The flowable fill shall maintain its consistency when placed.

B. Batching, Mixing and Transportation.

Materials are to be measured by weight. The flowable fill may be mixed in a central concrete mixer, a ready mix truck, or other means acceptable to the Engineer. The flowable fill shall be transported to the point of placement in a revolving drum mixer or in an agitator unit.

C. Placement.

The flowable fill shall be placed by direct discharge from the mixer truck, or other approved methods. If necessary to prevent segregation, boots shall be used. The flowable fill shall be placed in accordance with the drawings

PART 4 - FIELD QUANTITY CONTROL & PRICING

A. Measurement.

Quantities of the flowable fill, when used as a backfill, should be determined in accordance with the drawings attached thereto. Where actual conditions encountered and as dictated by the soils engineer on site vary from the quantities specified in the drawings, the extra or subtracted flowable fill shall be measured by the cubic yard, computed from the dry weight of the material. Where measured for extra quantities or deleted quantities in accordance with this specification, flowable fill shall be paid for at the contract unit price bid per cubic yard, for flowable fill, where the price shall be determined for all materials, equipment, labor, and transportation necessary to complete the work. This unit price shall be included in the bidding documents in accordance to the front end of this specification.

END OF SECTION

SECTION 32 18 24 – TRACK SURFACING – LATEX SYSTEM

PART 1 - GENERAL

1.1 DESCRIPTION

A. Furnish and install REFLEX-1 Running Track resilient surfacing, or approved equal prior to bidding, over on an accepted asphalt pavement profile. Include surfacing on all currently track-coated finishes, including the track proper, the immediate track shoulder and the high jump area, runways for long jump and pole vault.

1.2 RELATED SECTIONS

A. Division 32 – Asphalt Paving.

B. References
1. National Asphalt Pavement Association (NAPA)
2. USA Track & Field (USATF)
3. National Federation of State High School Associations (NFHS)
4. International Association of Athletics Federation (IAAF)
5. American Sports Builders Association (ASBA)

1.3 QUALITY ASSURANCE

A. Asphalt surface shall comply with the guidelines of the ASBA and NAPA for surface planarity and density.

B. All liquid materials shall be from a single source and manufactured for the purpose of resilient track construction.

C. The contractor shall record the batch number of each product used on the site and maintain it throughout the warranty period.

D. The contractor shall provide the owner with an estimate of the volume of each liquid product and the weight of the rubber granule to be used on site.

E. The installer shall be an Authorized Applicator of the specified surface system.

F. A manufacturer's representative shall be available to help resolve material issues.

1.4 SUBMITTALS

A. Current material safety data sheets (MSDS) for the liquid components.

B. A certificate from the manufacturer of the binders, adhesives and coatings stating that all materials have been produced specifically for use in sports surfacing construction.

C. A complete list of materials intended to be used in the construction of the running track system. All liquid quantities will be prior to dilution.

D. Reference list from the installer of al least 5 projects of similar scope done in each of the past three years.

E. Product substitution: If other than the product specified, the contractor shall submit at least 7 days prior to the bid date a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate that the proposed substitution is of equal quality and utility to that originally specified. Information must include a QUV test of at least 1,000 hours and IAAF test information for the system to be installed.

F. Alternate Bid Products: Should an alternate bid product be presented by a Vendor for consideration by the Landscape Architect, that system shall comply with all manufacturer recommendations for a high performance, durable system.

1.5 MATERIAL HANDLING AND STORAGE

A. Store material in accordance with manufacturer's specifications and MSDS.

B. Deliver products to the site in original, unopened containers with labels attached.

C. All surfacing materials shall be non-flammable.

1.6 GUARANTEE

A. The installer and the materials manufacturer shall supply a warranty covering labor and materials respectively. The warranty period shall be for three (3) years, including all labor and materials, plus replacement of any striping or furnishings displaced by repairs.

B. All test reports will be contracted directly by the Owner with the testing agency.

1.7 INSTALLER QUALIFICATIONS

A. Installers shall be routinely engaged in the construction and surfacing of running tracks.

B. Installer shall be an authorized applicator of the specified system.

C. Installer shall be a builder member of the ASBA.

D. Provide written proof of bonding capacity for the total amount of the athletic surfacing, if subcontracted, upon the request of the Landscape Architect.

1.8 MANUFACTURER QUALIFICATION

A. Material supplier shall certify that the materials provided are manufactured specifically for construction and surfacing of running tracks.

B. Manufacturer shall be a member of the ASBA.

PART 2 - PRODUCT

2.1 MANUFACTURER

A. REFLEX-1 or Equal System
   1. The identified manufacturer and system has been utilized as a basis for quality and execution of the athletic surfacing requirements. It is NOT intended to limit competition. Other manufacturers and installers are encouraged to submit qualifications and technical data to demonstrate equality of their system.
   2. Subject to compliance with all aspects of this specification, the following Pre-Identified installers may submit equivalent surfacing systems for consideration. Other companies will be reviewed on an as-requested basis up to ten (10) days prior to Bid Opening.
      a. LESLIE COATINGS
      b. REESE SEALCOATING
      c. MIDWEST TRACK BUILDERS
   3. Approved Equals: The following products have been approved as equals to the basis of design product:
      a. Plexitrac Lightning Track System as Manufactured by ICP Building Solutions Group, 150 Dascomb Rd. Andover, MA 01810, Phone 1-800-255-1141.

B. Any materials used must be an emulsion/water-based product. Any products which require solvents such as MEK, Butyl Cellusolve or Acetone for clean up or mixing are unacceptable.

C. Materials must have a VOC less than 150g/lt. for binder products. Top coats shall have a VOC of less than 100g/lt. measured by EPA method 24.

D. Materials may not have a flash point of less than 200°F.

2.2 MATERIALS

A. Rubber Granules: Specifically gradated 3-6, 2-4 & 1-3MM SBR particles for job mixing with the Binder

B. Water: The water to be used in the mixture must be fresh and potable

C. The installer will provide to the Landscape Architect a materials list prior to the installation of the volume of materials to be used on the project. The list will include the following:
   1. Specified thickness 8 MM.
   2. Pounds of Rubber 9.5 lb. sq./y SBR
   3. Gallons of CP-4125 (Undiluted) .05 gal. / sq.yd.
   4. Gallons of Black Binder (Undiluted) .57 gal. per / sq. yd.
   5. Gallons of Black Coating (Undiluted) .1 gal. / sq.y

D. The installer will furnish the Landscape Architect with a proof of delivery that the correct volume of product has been provided. The installer will also verify that a sole manufacturer has supplied all binders and coatings.

PART 3 - EXECUTION

3.1 WEATHER LIMITATIONS

A. Ambient and surface temperatures must be 50°F and rising.

B. Installation should not be conducted during rainfall or when rainfall is imminent.

C. Do not apply when surface temperature is in excess of 140°F.

3.2 SURFACE PREPARATION

A. Provide required asphalt base and surface courses as described and specified in Specification Section 32 12 16.

B. New asphalt shall be allowed to cure for a minimum of 14 days prior to the application of any surfacing materials.

C. The surface must be thoroughly cleaned of all loose dirt and debris prior to resilient coatings.

3.3 RESILIENT SURFACE INSTALLATION

A. After curing and preparation the asphalt shall be primed/tack coated with CP-4125 at the rate of 0.05 gal/sy. by means of an air diaphragm pump. Do not allow material to puddle on the asphalt surface.

B. Apply consecutive layers of dry 3-6mm, 2-4mm & 1-3mm Black SBR granules to the tack coated surface by mechanical spreader or by hand. Avoid leaving dry rubber granules more than one layer thick.

C. Apply Binder at the rate of 0.567 gallon per sq. yd. by means of an air diaphragm pump. Care should be taken to uniformly spray the granules so they are fully encapsulated.

D. Apply coating at the total rate of 0.1 gallon per square yard. Product shall be applied in two applications by an air diaphragm pump spray unit. One application shall be applied clockwise, the other counter-clockwise.

3.4 MARKING AND MEASUREMENTS

A. Wait 48 hours after surface completion before applying line marking. The installer shall:
   1. Locate and establish all control points and radii via a licensed Surveyor.
   2. Layout all lines and markings to tolerances set forth by ASBA and governing body requirements.
   3. Prepare all necessary drawings.
   4. Provide all computations and measurements in organized form.
   5. Establish all locations on the curves using a Transit or Theodolite capable of reading direct to 20 seconds.
   6. Identify all markings, where appropriate, by painting the identification directly onto the track surface in 4” letters just below or in front of each mark in the right-hand portion of the lane.
   7. Paint all of the large, 3’ high, lane numbers in alternating colors of ‘white’ and ‘yellow’, utilizing shadowed backgrounds. Confirm final paint colors during submittal process.
   8. All lines shall receive sufficient paint to assure complete opacity and uniformity of color. Provide multiple coats until opacity is fully achieved.

9. Paints shall be used directly from original containers and shall be thinned only when hot temperatures dictate thinning for smooth applications.
10. Amount of paint used shall be as recommended by the manufacturer.
11. Line paint shall be 100% acrylic latex. All measurements shall be made by competent, experienced and qualified personnel utilizing accurate transit data.
12. The markings shall include all events and marks required or recommended by the National Federation of State High Schools, including all updates and rule changes that may be adopted prior to Substantial Completion.

END OF SECTION

SECTION 32 18 25 - BALL DIAMOND CONSTRUCTION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including Division 01 Specification Sections, apply to this Section.

B. Provide detailed shop drawings for all systems related to field construction, including base preparation, drainage, and irrigation.

1.02 SUMMARY

A. A complete playing surface system, including all labor, materials, tools, equipment, and services required for layout, excavation, rough and fine grading, sod installation, skinned infield construction, bases, and pitching mounds for complete and ready to use baseball and softball fields. Include all components required whether or not specifically referred to herein.

B. Prior to Final Acceptance, the Contractor shall submit to the Owner three (3) copies of Maintenance Manuals, which shall include all necessary instructions for the proper care of and preventative maintenance for baseball and softball fields.

C. Testing: The field constructor shall send no less than two (2) test samples of aggregate backfill for underdrains to Turf & Soil Diagnostics, Trumansburg, NY, 1-607-387-5694, for analysis prior beginning underdrainage work. Gravel size analysis, particle size analysis, and anticipated water release curves shall be tested to ensure compliance with the testing agent's recommendations. Include testing costs in Base Bid. Report findings to the Landscape Architect.

1. Once testing requirements of the Section have been completed, individual products and materials shall come from a single source to ensure quality control and consistency.

D. Related Sections include the following:
1. Specification Section "Earth Moving"
2. Specification Section "Sports Turfgrass"
3. Specification Section "Field Subdrainage"
4. Specification Section "Root Zone Media"

1.03 QUALITY ASSURANCE

A. Pre-Construction Submittals:
1) Cut sheets and product samples for all products.
2) Complete location and detailed shop drawings including layout of all components, parts and materials required for a complete field system, backstops, dugouts, copings, and netting systems.

B. During-Construction Drainage Testing: Operate the irrigation system and thoroughly flood the field. Fill all low spots to finish grade with rootzone mix and water in. This process shall be repeated as required to bring field to finish grade specifications and tolerance forming a smooth, firm surface. Finish grades and material depths shall be verified utilizing laser operated survey instruments. If roller is used to aid in obtaining field grade, surface shall be scarified prior to laying sod. Field compaction shall not exceed bulk density as performed in laboratory testing.

C. Post-Construction Submittals: Provide Record Drawings of the completed installation. Submit Record Drawings for review by the Owner ten (10) days prior to Substantial Completion. Include the following:
   1) Underdrain locations and inverts.
   2) Location of primary seam locations on the synthetic turf installation.
   3) Operation & Maintenance Manuals.

D. Post-Construction Supplies: Provide the following quantities of additional materials to be stored by the Owner for future use.
   1) Infield Mix: ½ ton (bags)
   2) Infield Conditioner: ½ ton (bags)
   3) Mound Clay: ½ ton (bags)

PART 2 - PRODUCTS

2.01 MOUND CLAY

A. Baseball and Softball Pitching Areas: The entire mound and home plate area indicated in Plans shall be constructed with DuraPitch Premium Mound Clay as manufactured by DuraEdge Products, Slippery Rock, PA, 1-866-867-0052, or approved equal prior to bidding. Plate areas shall receive a consistent 4” depth of mound clay; pitching mounds shall be full depth clay compacted in lifts, as shown in diagrams below.

B. DuraPitch Premium Mound Clay is an engineered soil product which is mechanically mixed offsite in a controlled environment using a pugmill-type mixer. This process ensures thorough mixing of the sand and clay components to exact specifications.

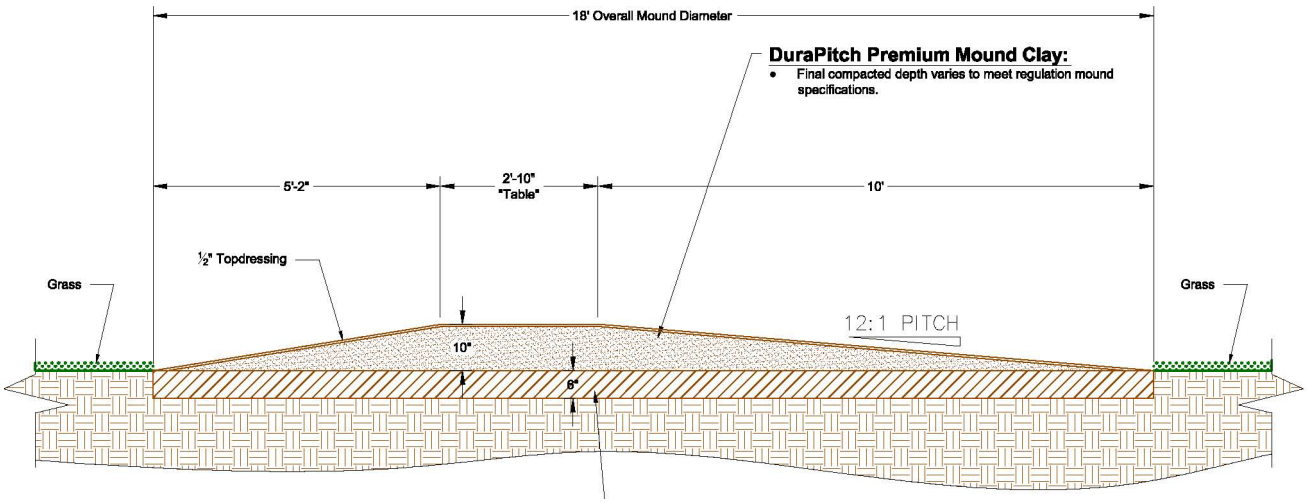
   1. Mound and batter’s box clay is clean, dry clay mixed with washed mason-type sand resulting in a weed-free mix that is reddish brown in color having a yield of 1.75 tons per cubic yard and possessing the following particle size analysis:

      a. Total sand content shall be 15-28 percent.

      b. The overall clay content shall be greater than 30 percent.

      c. The ratio of silt divided by clay, otherwise known as the SCR, shall be 0.75 – 1.25.

Typical Professional Pitching Mound Cross-Section
(looking at the side of the mound)



Mound clay or compacted aggregate. Note that the diagram shows the subbase tapering to flush with grass surface. The Contractor shall be required to ensure that no less than a 4" depth of clay is maintained in all conditions regardless of the diagram, including tapered zones.

2. Procedure:

   a. Place the material in lifts of 2 inches and compact with 1-ton vibratory roller until an optimum compaction between 90 percent and 95 percent is achieved. Scarify the surface to facilitate bonding of the next lift and repeat until finish grade elevation is achieved. Completing this process as described will minimize settling and improve the performance of the product.

   b. Depth of the material shall vary when finished and compacted, as shown in the diagram below.

   c. In most cases, the material is delivered with optimum moisture and adding water is not necessary. If unable to achieve optimum compaction, a light application of water may be needed.

   d. The finished surface of the infield shall be smooth and free from any visible dips, humps, bumps or other blemishes which would hinder the removal of water through positive surface drainage.

C. **The following products have been pre-approved as equal to the basis of design:**

   1. Turface Professional Mound Clay as manufactured by PROFILE Products LLC, Buffalo Grove, IL, 1-800-207-6457.

2.02 INFIELD TOP DRESSING

A. All baseball and softball areas indicated to receive Infield Mix shall be topped with Calcined Clay Professional by Diamond Pro, Dallas, TX, 1-800-228-2987. Depth shall achieve a consistent ½" over all infield/skinned areas. Do not till top dressing into Infield Mix below.

B. The following products have been pre-approved as equal to the basis of design:

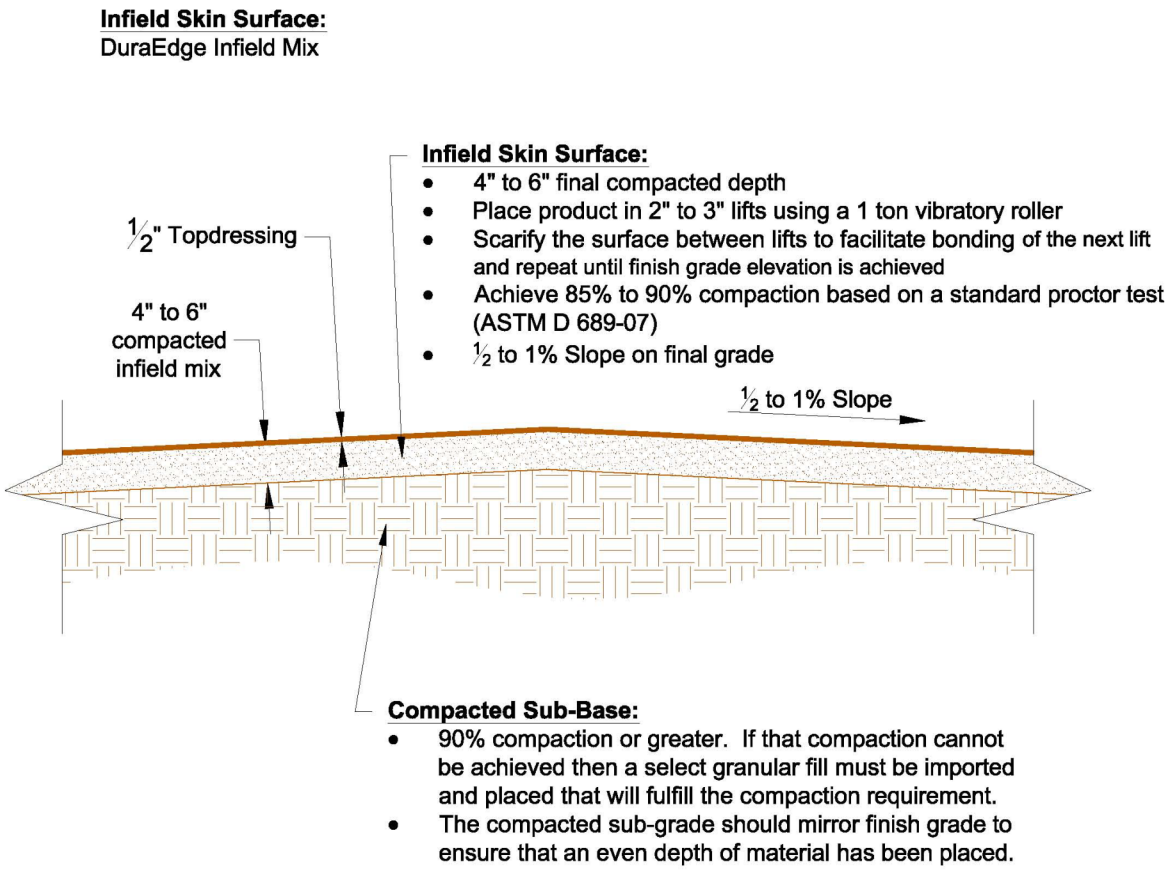
1. Turface Pro League Elite as manufactured by PROFILE Products LLC, Buffalo Grove, IL, 1-800-207-6457.

2. Pro Choice Select Infield Conditioner as manufactured by Oil-Dri Corporation of America, Alpharette, GA, 1-800-648-1166.

2.03 INFIELD MIX

A. Baseball Infield Skinned Area: All areas indicated to receive Infield Mix shall be constructed with DuraEdge Classic Infield Mix as manufactured by DuraEdge Products, Slippery Rock, PA, 1-866-867-0052, or approved equal prior to bidding. Depth shall achieve a consistent 4" over the infields.

1. DuraEdge Classic Infield Mix is an engineered soil product which is mechanically mixed offsite in a controlled environment using a pugmill-type mixer. This process ensures thorough mixing of the sand and clay components to exact specifications.



2. Infield mix shall be clean, dry clay mixed with washed mason-type sand resulting in a weed-free mixture that is reddish brown in color having a yield of 1.4 tons per cubic yard and possessing the following particle size analysis:

a. Total sand content shall be 70-75 percent.

b. The combined amount of sand retained on the medium, coarse and very coarse sieves shall be greater than 50 percent.

c. The combined amount of silt and clay shall be 25-30 percent.

d. The ratio of silt divided by clay, otherwise known as the SCR, shall be 0.5 – 1.0.

e. No particles greater than 3 millimeters.

f. Equal to or less than 5 percent of particles shall be retained at 2 mm.

g. Certain amendments are approved for use with DuraEdge Classic Infield Mix and shall be installed at the Landscape Architect's discretion in accordance with the manufacturer's recommendations.

3. Place the material in lifts of 2 to 3 inches and compact with a 1-ton vibratory roller until an optimum compaction between 85 and 90 percent is achieved on a standard proctor test (ASTM D 689-07). Scarify the surface to facilitate bonding of the next lift and repeat until finish grade elevation is achieved. Completing this process as described will minimize settling and improve the performance of the product.

B. The following products have been pre-approved as equal to the basis of design:

1. Turface Diamond Select Infield Mix as manufactured by PROFILE Products LLC, Buffalo Grove, IL, 1-800-207-6457.

2. Advanced Engineered Soils Infield Mix as manufactured by Advanced Turf Solutions, Fishers, IN, 1-877-433-7037.

2.04 WARNING TRACK

A. Warning Tracks shall be constructed with DuraTrax as manufactured by DuraEdge Products, Slippery Rock, PA, 1-866-867-0052, or approved equal prior to bidding. DuraTrax is an engineered product which is mechanically mixed offsite in a controlled environment using a pugmill-type mixer. This process ensures thorough mixing of the sand and clay components to exact specifications.

B. 1. Warning Track shall be clean, crushed brick mixed with #10 limestone

Sieve Designation	Range of % Passing
3/8”	100
No. 4	90-100
No. 8	60-78
No. 16	42-55
No. 30	20-40
No. 50	8-20
No. 100	5-12
No. 200	0-5

2. Procedure:

a. Excavate material from the warning track area to a depth of 7 inches below the final finished grade.

b. Compact the subgrade until 95 percent compaction is achieved.

c. Spray warning track areas with pre-emergent weed killer prior to installing fabric or aggregate materials. Install geotextile fabric to prevent future weed migration through the warning track area. Submit samples for consideration by the Landscape Architect. Provide clean earthen edge between warning track and adjacent lawn areas outside the field of play. Acceptable fabrics include:

1. Mirafi 180N
2. SI Geotex 801
3. ADS 7000
4. Contech C-80

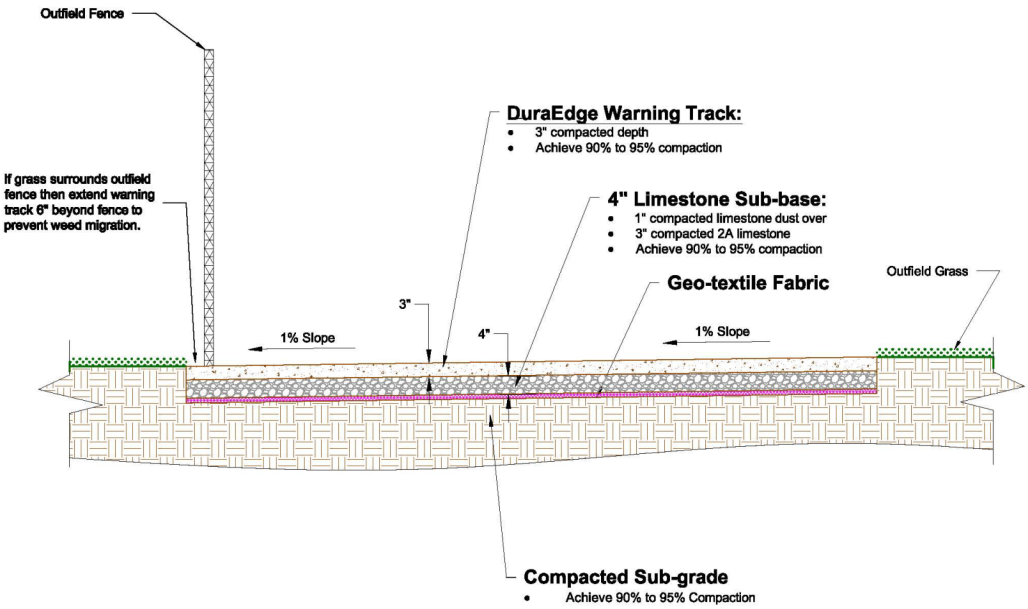
d. On top of the geotextile fabric, place 3 inches of 2A limestone capped with 1 inch of limestone dust, for a total of 4 inches.

e. Place the warning track material over the top of the limestone dust. The depth of the warning track material should be 3 inches at completion after compaction.

f. When placing both the limestone and the warning track material, use lifts of 2 inches and compact with a minimum 1-ton vibratory roller until an optimum compaction between 90 percent and 95 percent is achieved. Scarify the surface to facilitate bonding of the next lift and repeat until finish grade elevation is achieved. Completing this process as described will minimize settling and improve the performance of the product.

g. The warning track and limestone layers beneath it must have a 1 percent slope toward the outfield fence.

Warning Track Cross-Section



B. The following products have been pre-approved as equal to the basis of design:

1. SAF Trac Plus Warning Track Mix as manufactured by SAF Products, Columbia, TN, 1-800-837.8062.

PART 3 - EXECUTION

3.01 GENERAL

A. Quality Control: The Contractor awarded ball field construction must have at least five (5) years of experience with similar field installations of equal or greater quality.

B. Field Layout: The Contractor shall utilize a registered surveyor to provide all necessary stakes, batter boards, lines, etc., including the establishment of accurate conical grades required and corresponding benchmarks. The cost of staking shall be included in the Base Bid. A record of the actual field as-built measurements shall be made for the Owner's archives.

3.02 EXCAVATION

A. The Ball Diamond constructor shall validate subgrade conditions prior to commencing athletics construction.

B. Once the native subbase below Infield Mixes and Root Zone Media is successfully compacted to 90% SPD and mutually acceptable to the Owner and Contractor, further work will adhere to grading tolerances within (+/-) ½" from grades indicated in grading plans. Minor deviations, rutting, and birdbaths created during construction shall be remedied by the Contractor to the Owner's satisfaction.

3.03 ESTABLISHING SUBGRADE

A. The slope of the subgrade should conform to the slope of the finished grade. Refer to Drawings for slopes and elevations. The subgrade shall be established at appropriate depths to receive specified mixes and root zone media.

B. Avoid water collecting depressions. Carefully coordinate slopes and crowing of subgrade with required underdrainage.

C. Install field subdrainage with consistent slopes. Depth of trenching may to ensure positive drainage. Coordinate with invert elevations of storm structures to receive piping and include all necessary material in the Base Bid.

D. Carefully place aggregate into subdrain trenches in a manner that does not harm the adjacent subgrade stability or displace pipes.

3.04 LASER GRADING

A. All finished grading on athletic surfaces shall be achieved utilizing laser grading to ensure smooth, even construction results and positive drainage. See Plans for detailed slope requirements.

B. Protect newly graded areas from traffic and erosion. Repair and reestablish grades in settled, eroded, and rutted areas. Recondition compacted areas to required density prior to further construction.

C. Utilize precise tolerances with less than ¼" variance over the field as verified on a 20' staked grid. Even, consistent slopes are critical to drainage success and high quality play.

D. A confirming topographic survey must be documented by the field constructor and approved by the Owner prior to commencing seed or sod installation. Include confirming survey costs in Base Bid.

E. Finish drag and roll all playing surfaces to the Owner's satisfaction prior to Final Completion.

3.05 MAINTENANCE AND MONITORING

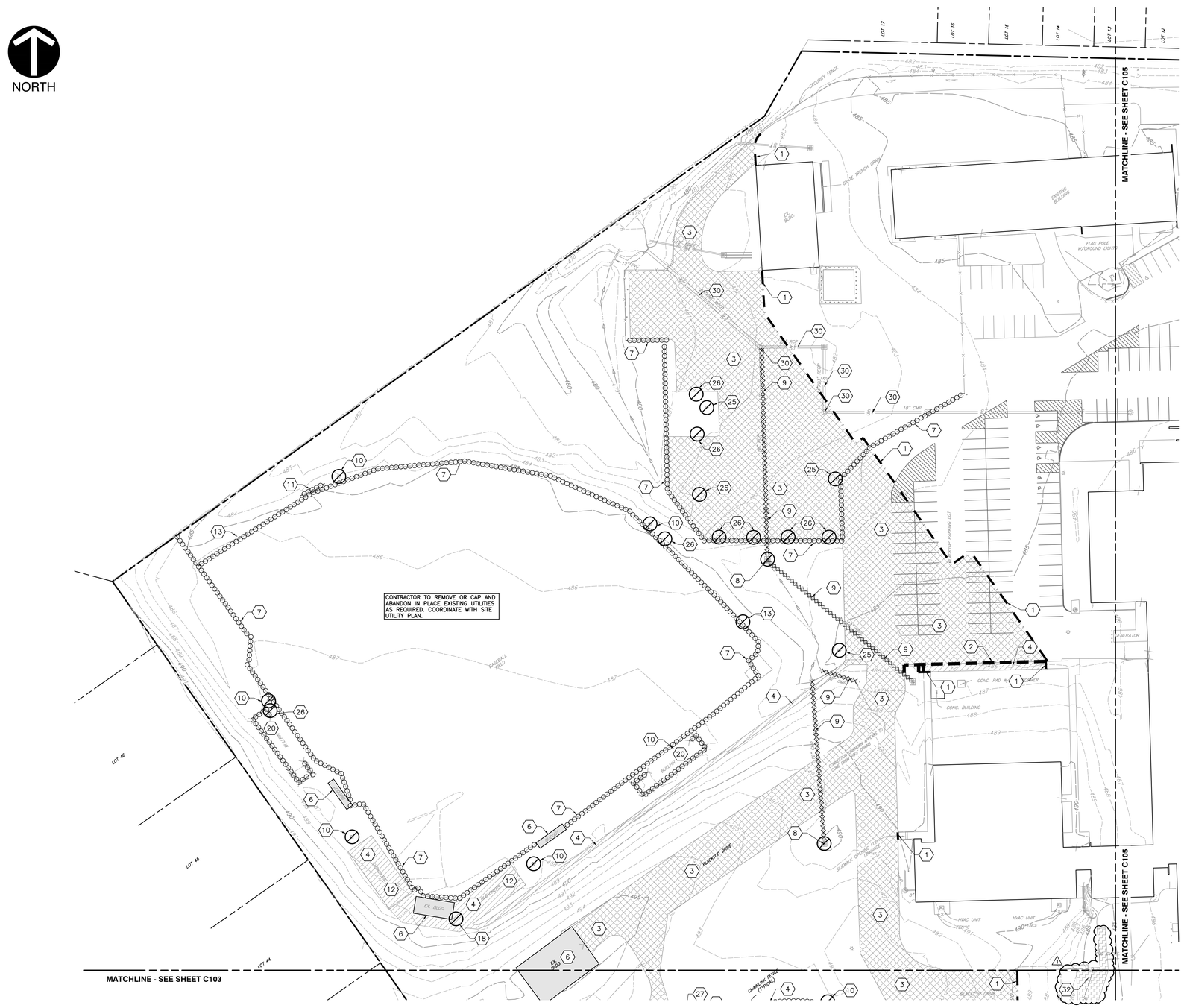
A. Access Control: The ball field contractor shall protect his or her fields from disturbance by adjacent construction activities. Protect as required.

B. Restoration: Any surfaces, warning tracks, or other improvements disturbed during construction activities shall be fully restored at no additional expense to the Owner by the ball field contractor prior to Substantial Completion.

C. Watering: The ball field contractor is responsible for all irrigation, service, controls, and maintenance throughout construction and any applicable Maintenance Period. Once the Owner takes occupancy of each field, watering responsibilities are also transferred.

D. General Maintenance: All mowing, fertilizing, overseeding, wedding, and spraying shall be the ball field contractor's responsibility through Substantial Completion. Once the Owner takes occupancy of each field, maintenance responsibilities are also transferred.

END OF SECTION



GENERAL SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
3. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES, INCLUDING IRRIGATION SLEEVING, PRIOR TO INSTALLATION OF PAVED SURFACES.
4. SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS A (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
5. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
6. SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT / RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
9. THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH LOCAL REQUIREMENTS. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. CHANGES MADE TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO, INCREASED IMPERVIOUS PAVEMENT, ADDITION / DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, LANDSCAPING, ETC.
10. NOT ALL SURVEY INFORMATION HAS BEEN IDENTIFIED ON SITE. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES IN AREAS OF DEMOLITION.

DEMOLITION LEGEND:

- EXISTING STRUCTURE TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE.
- ASPHALT TO BE REMOVED
- CONCRETE TO BE REMOVED
- ASPHALT TO BE MILLED 1.5"
- CONCRETE CURB TO BE REMOVED
- SAWCUT EXISTING PAVEMENT
- EXISTING UTILITY TO BE REMOVED
- MISC. ITEM TO BE REMOVED
- MISC. ITEM TO BE REMOVED

DEMOLITION ITEMS:

1. FULL DEPTH ASPHALT/CONCRETE PAVEMENT SAW CUT
2. EXISTING CONCRETE CURB TO BE REMOVED; DISPOSE OF OFF SITE
3. EXISTING ASPHALT PAVEMENT TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE
4. EXISTING CONCRETE PAVEMENT/WALK/STEPS TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE
5. EXISTING ASPHALT TRACK AND FIELD SURFACE TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE
6. EXISTING STRUCTURE TO BE REMOVED COMPLETE, INCLUDES ALL UTILITIES AND FOUNDATIONS; DISPOSE OF OFF SITE
7. EXISTING CHAIN LINK FENCE AND POSTS TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE
8. EXISTING STORM STRUCTURE TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE. COORDINATE DRAINAGE ROUTING WITH PROPOSED STORM SEWER SYSTEM.
9. EXISTING STORM PIPE TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE. COORDINATE DRAINAGE ROUTING WITH PROPOSED STORM SEWER SYSTEM.
10. EXISTING STADIUM LIGHT POLE AND BASE; DISPOSE BASE OFF SITE. COORDINATE WITH OWNER ON REUSE OF LIGHTS AND POLE.
11. EXISTING ATHLETICS FIELD SCORE BOARD/TIMING BOARD, AND BASE TO BE REMOVED COMPLETE; COORDINATE WITH OWNER ON REUSE. SEE SITE PLAN FOR LOCATION AND SPECIFICATION.
12. EXISTING BLEACHERS TO BE REMOVED COMPLETE, STORED, AND REUSED AS DIRECTED BY THE OWNER.
13. EXISTING "FOUL" POLE AND BASE TO BE REMOVED COMPLETE, STORED, AND REUSED AS DIRECTED BY THE OWNER.
14. EXISTING OVERHEAD LINE TO BE RELOCATED. COORDINATE WITH APPROPRIATE UTILITY SERVICE PROVIDER.
15. EXISTING UTILITY POLE AND GUY WIRES TO BE REMOVED/RELOCATED; COORDINATE WITH AFFECTED UTILITY PROVIDERS.
16. EXISTING TREE/SHRUB TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE.
17. EXISTING FLAG POLE TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE.
18. EXISTING IRRIGATION ITEM TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE.
19. EXISTING SIGN TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE.
20. EXISTING BATTING CAGE/BULL PEN AREA TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE.
21. EXISTING BOLLARD LIGHT AND BASE TO BE REMOVED COMPLETE; DISPOSE BASE OFF SITE. COORDINATE WITH OWNER ON REUSE OF LIGHTS AND BOLLARD.
22. EXISTING BLOCK WALL TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE.
23. EXISTING WATER METER TO BE REMOVED. COORDINATE WITH WATER UTILITY FOR RELOCATION SITE FOR METER SERVICE.
24. EXISTING CLEAN-OUT TO BE REMOVED. VERIFY LATERAL SERVICE TYPE, SIZE, MATERIAL, AND CONNECTION. COORDINATE WITH ENGINEER ON POTENTIAL REUSE OF LATERAL.
25. EXISTING LIGHT POLE AND BASE TO BE REMOVED COMPLETE; DISPOSE BASE OFF SITE. COORDINATE WITH OWNER ON REUSE OF LIGHTS AND POLE.
26. EXISTING BOLLARD/POST TO BE REMOVED COMPLETE; DISPOSE OF OFF SITE. 1
27. EXISTING FIRE HYDRANT AND VALVE TO BE REMOVED COMPLETE; COORDINATE REUSE WITH FIRE DEPARTMENT, WATER UTILITY AND OWNER.
28. EXISTING GOAL POST AND BASE TO BE REMOVED COMPLETE; COORDINATE WITH OWNER ON REUSE.
29. EXISTING WATER SERVICE FEATURE TO BE REMOVED. COORDINATE WITH WATER UTILITY FOR RELOCATION SITE FOR METER SERVICE.
30. PROTECT AND MAINTAIN EXISTING STORM SEWER TO REMAIN
31. REMOVE AND PLACE PRESS BOX AT OWNER'S DIRECTION OR TURN OVER TO OWNER.
32. ASPHALT TO BE MILLED 1.5", DISPOSE OF OFF SITE. 1

SCALE IN FEET
0 40' 80'

REFERENCE

1. RETRACEMENT & TOPOGRAPHIC SURVEY COMPLETED BY HART'S SURVEYING & ENGINEERING, LLC. PROJECT NUMBER: 19-128-05; DATED: JULY 22, 2021

   NOTE: SURVEY DOES NOT INCLUDE ALL UNDERGROUND UTILITY INFORMATION. CONTRACTOR TO NOTIFY ENGINEER AND LANDSCAPE ARCHITECT IF UNMARKED UTILITY IS UNCOVERED

SILVER CREEK SCHOOL CORPORATION

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

Civil & Environmental Consultants, Inc.
5404 E. CARVER AVENUE, INDIANAPOLIS, IN 46204
317-982-7777 317-982-7779

PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 RENZ AVE, SELLERSBURG, IN 47172

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of the major architectural elements and the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the contract unless noted or specified.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM 2	05-17-2022

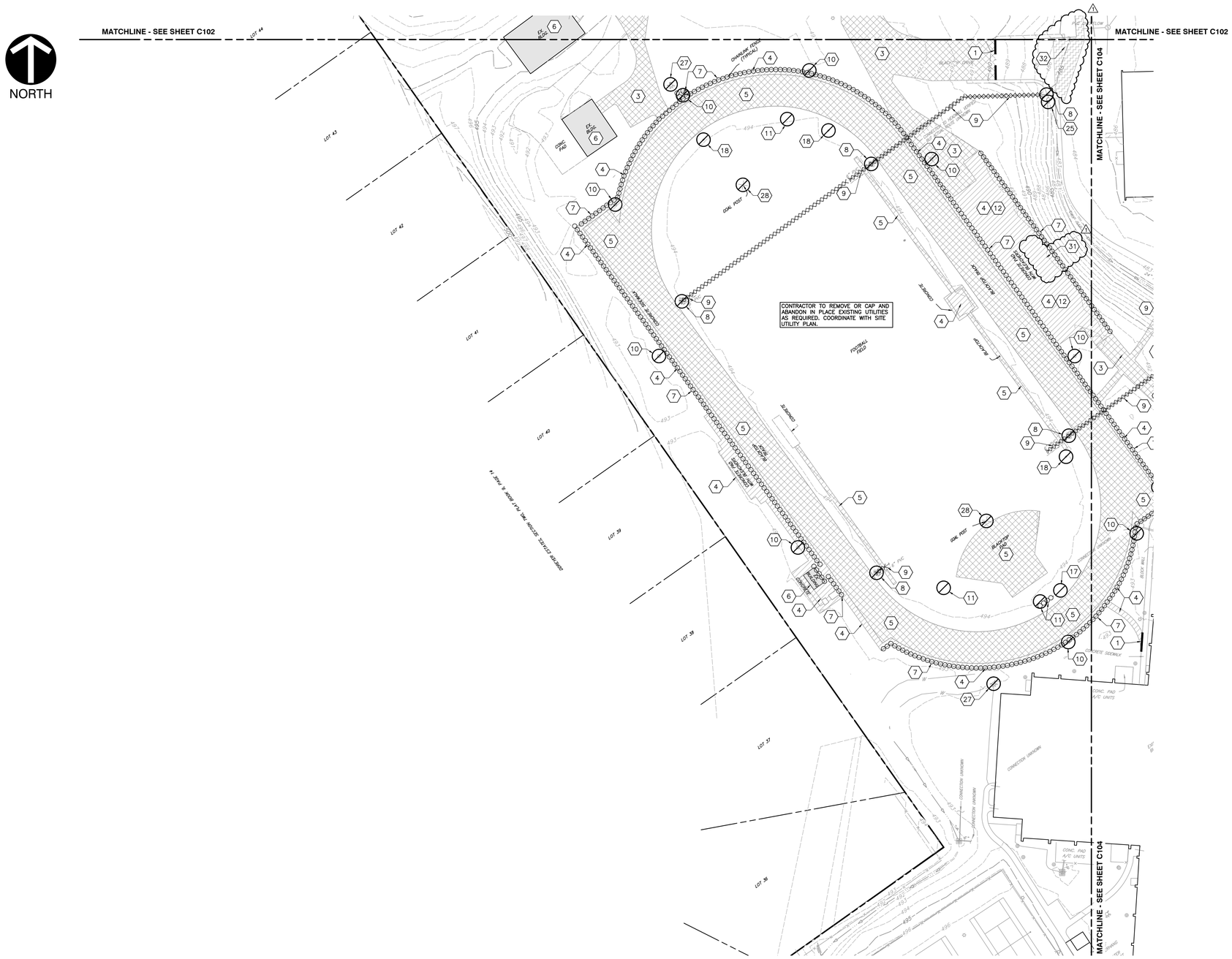
ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JCB	ACH

DRAWING TITLE:
DEMOLITION PLAN

CERTIFIED BY:
NICHOLAS P. JUSTICE
REGISTERED
No. PE11800753
STATE OF INDIANA
PROFESSIONAL ENGINEER
05/17/2022

DRAWING NUMBER
C102

PROJECT NUMBER
2021026



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- ASPHALT TO BE MILLED 1.5"
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SCALE IN FEET
0 40' 80'

SILVER CREEK SCHOOL CORPORATION

CSO
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317.848.7600 | csoinc.net

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5840 E. CARGO DRIVE, INDIANAPOLIS, IN 46204
317.968.7777 317.855.7775

PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 RENZ AVE, SELLERSBURG, IN 47172

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings and specifications complement and describe all work required for full performance and completion of the requirements of the Contract.
Within the contract's general scope indicated or described the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM 2	05-17-2022

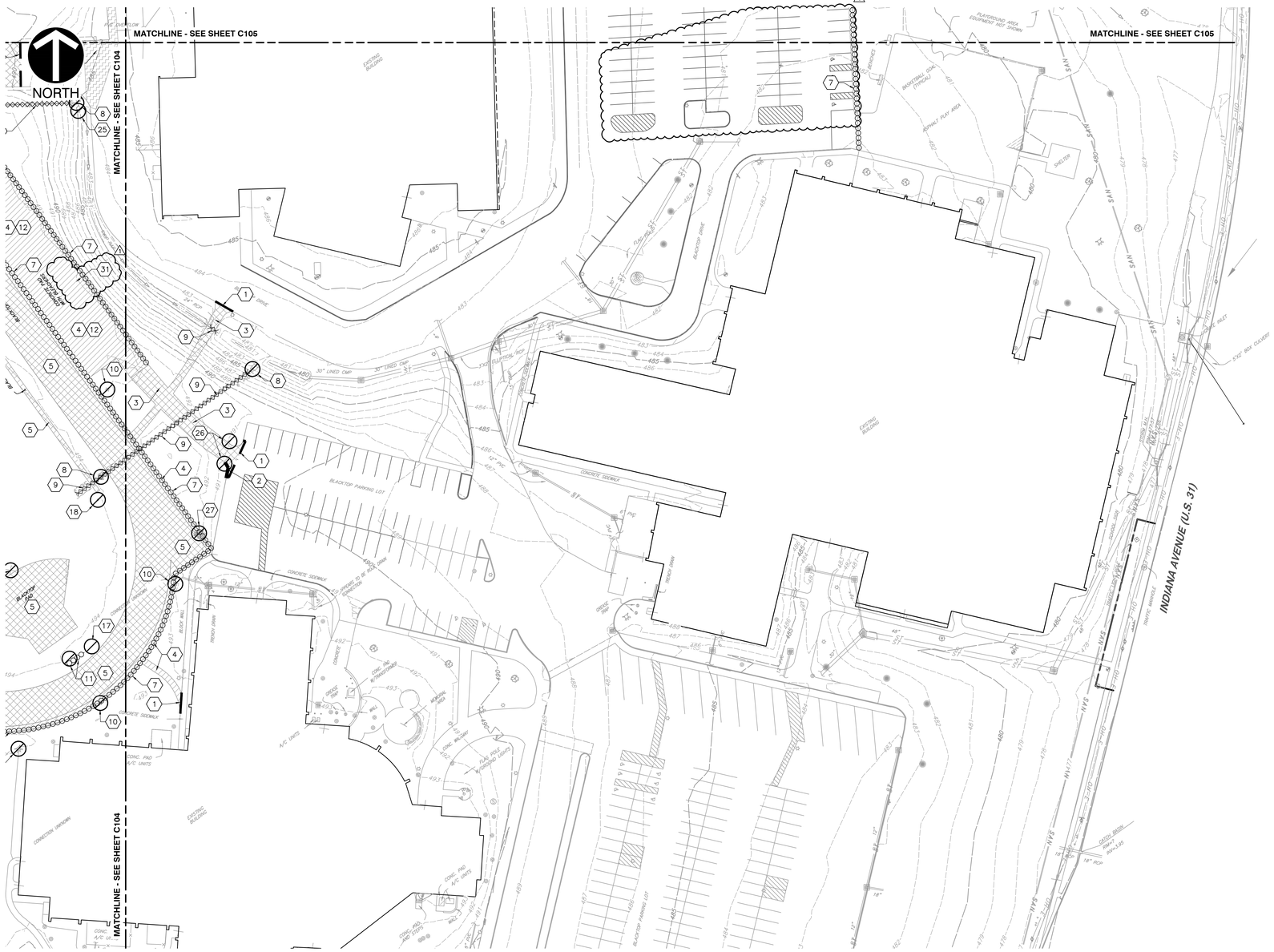
ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JCB	ACH

DRAWING TITLE:
DEMOLITION PLAN

CERTIFIED BY:
NICHOLAS P. HUSSLE
REGISTERED
No. PE11800753
STATE OF INDIANA
PROFESSIONAL ENGINEER
05/17/2022

DRAWING NUMBER
C103

PROJECT NUMBER
2021026



REFERENCE

1. RETRACEMENT & TOPOGRAPHIC SURVEY COMPLETED BY HART'S SURVEYING & ENGINEERING, LLC. PROJECT NUMBER: 19–128–05; DATED: JULY 22, 2021

   NOTE: SURVEY DOES NOT INCLUDE ALL UNDERGROUND UTILITY INFORMATION. CONTRACTOR TO NOTIFY ENGINEER AND LANDSCAPE ARCHITECT IF UNMARKED UTILITY IS UNCOVERED

GENERAL SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
3. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES, INCLUDING IRRIGATION SLEEVING, PRIOR TO INSTALLATION OF PAVED SURFACES.
4. SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS A (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
5. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
6. SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL MAINTAIN ONE SET OF AS–BUILT / RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
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PROJECT:
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DRAWING TITLE:
DEMOLITION PLAN

CERTIFIED BY:
NICHOLAS P. JUSTICE
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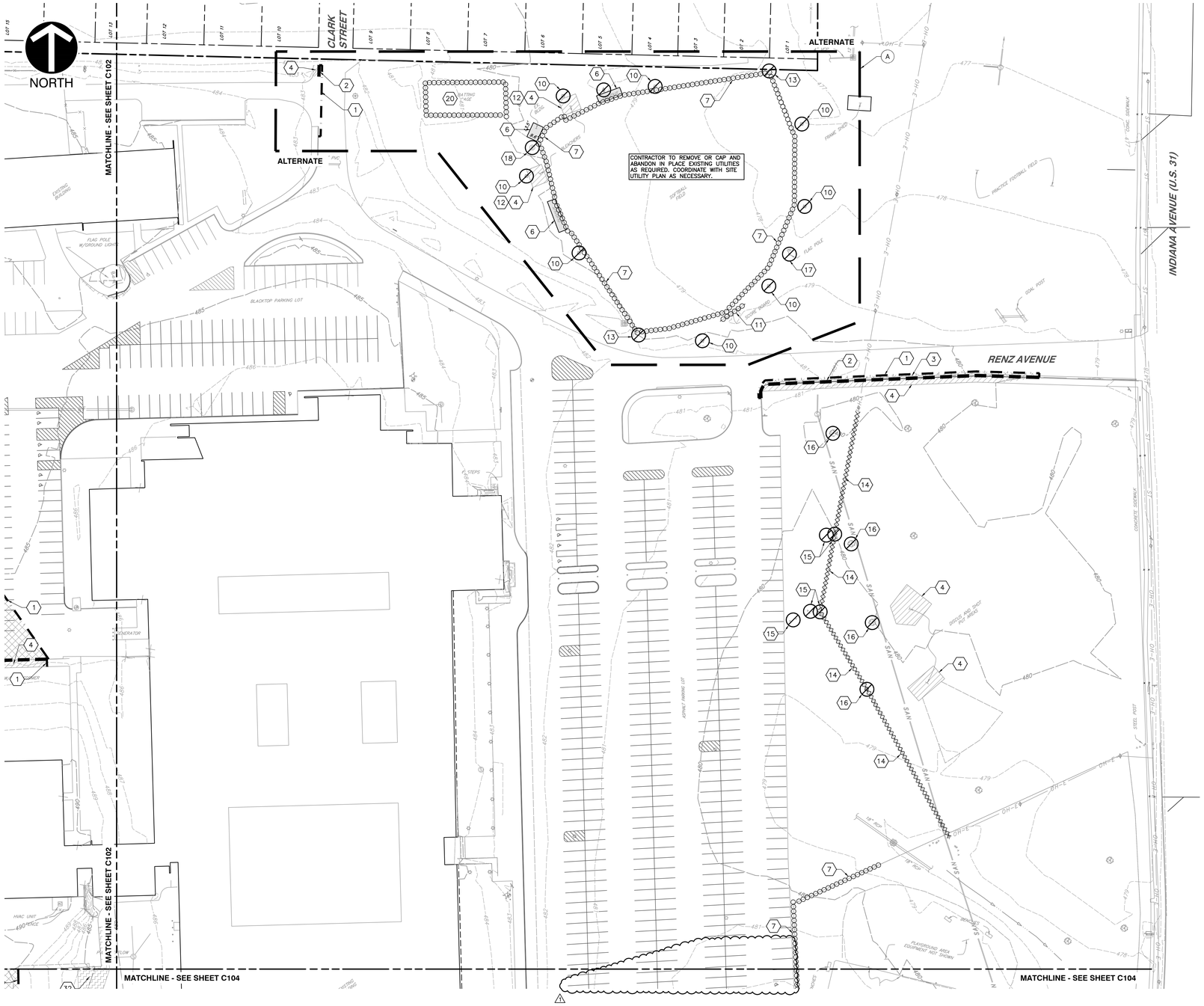
No. PE11800753
STATE OF INDIANA
PROFESSIONAL ENGINEER
05/17/2022

DRAWING NUMBER
C104

PROJECT NUMBER
2021026



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SCALE IN FEET
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PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
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557 RENZ AVE, SELLERSBURG, IN 47172

SCOPE DRAWINGS:
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REVISIONS:

1	ADDENDUM 2	05-17-2022

ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JCB	ACH

DRAWING TITLE:
DEMOLITION PLAN

CERTIFIED BY:
NICHOLAS P. HUSSLE
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STATE OF
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05/17/2022

DRAWING NUMBER
C105

PROJECT NUMBER
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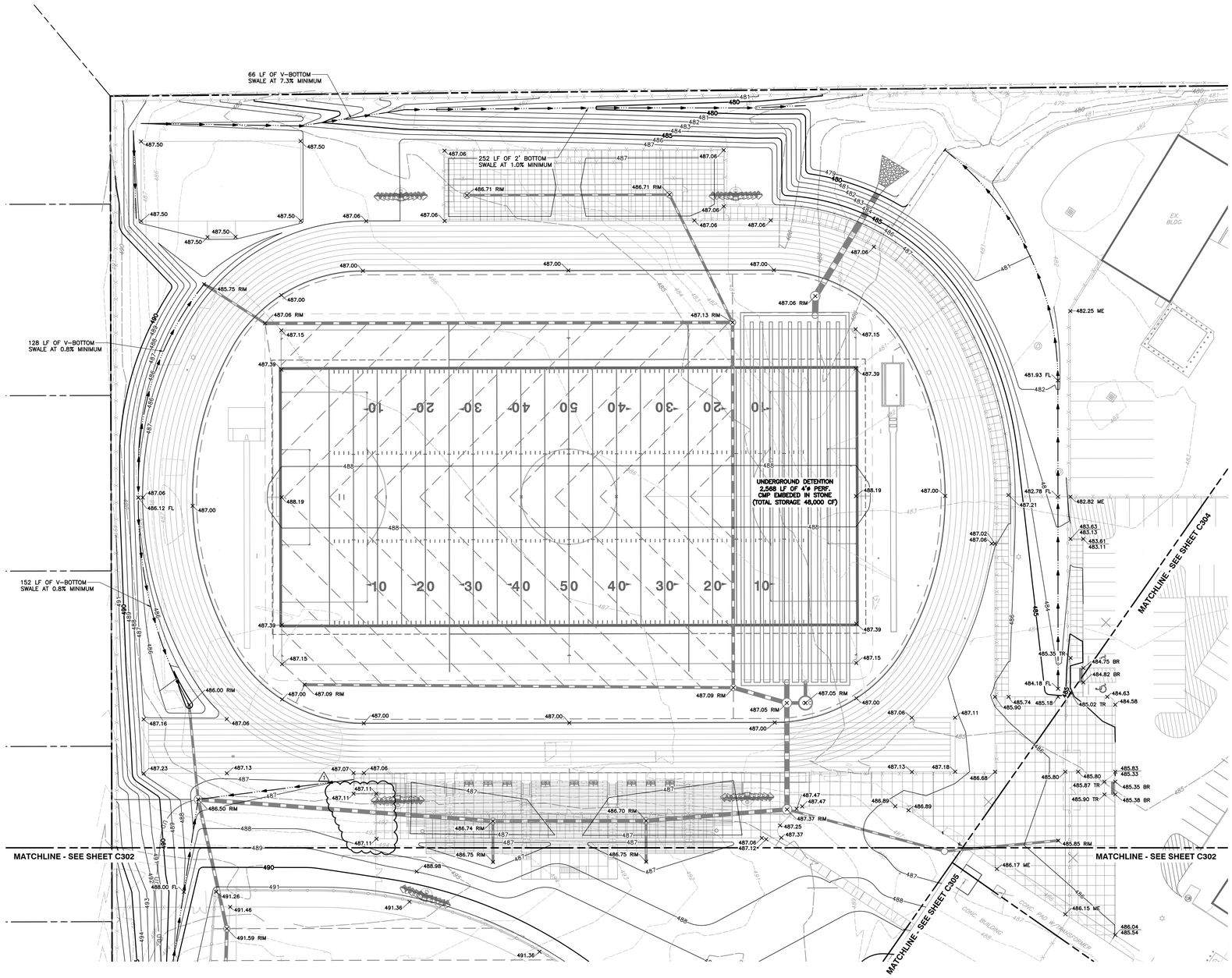

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GENERAL GRADING NOTES:

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
2. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
3. CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
4. PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (6" MINIMUM). PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2%.
5. ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
6. ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION CONTROL PLAN, UNLESS NOTED OTHERWISE.
7. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
8. DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF-SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
9. CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
10. STORM STRUCTURES RECEIVING SUB-SURFACE DRAINS (SSD) SHALL HAVE BOTH CONNECTIONS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.

GRADING LEGEND:

800	PROPOSED INDEX CONTOUR
798	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED DRAINAGE SWALE
	PROPOSED GRADE BREAK
	PROPOSED STORM SEWER LINE
	PROPOSED UNDERDRAIN
766.90	PROPOSED SPOT ELEVATION
798.50 / 798.00	PROPOSED CURB SPOT ELEVATION; TOP OF CURB ON TOP, GUTTER ELEVATION ON BOTTOM

ABBREVIATIONS:
TC = TOP OF CURB
BC = BOTTOM OF CURB
TW = TOP OF WALL
BW = BOTTOM OF WALL
TR = TOP OF RAMP
BR = BOTTOM OF RAMP
ME = MATCH EXISTING

SCALE IN FEET
0 30' 60'

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REVISIONS:

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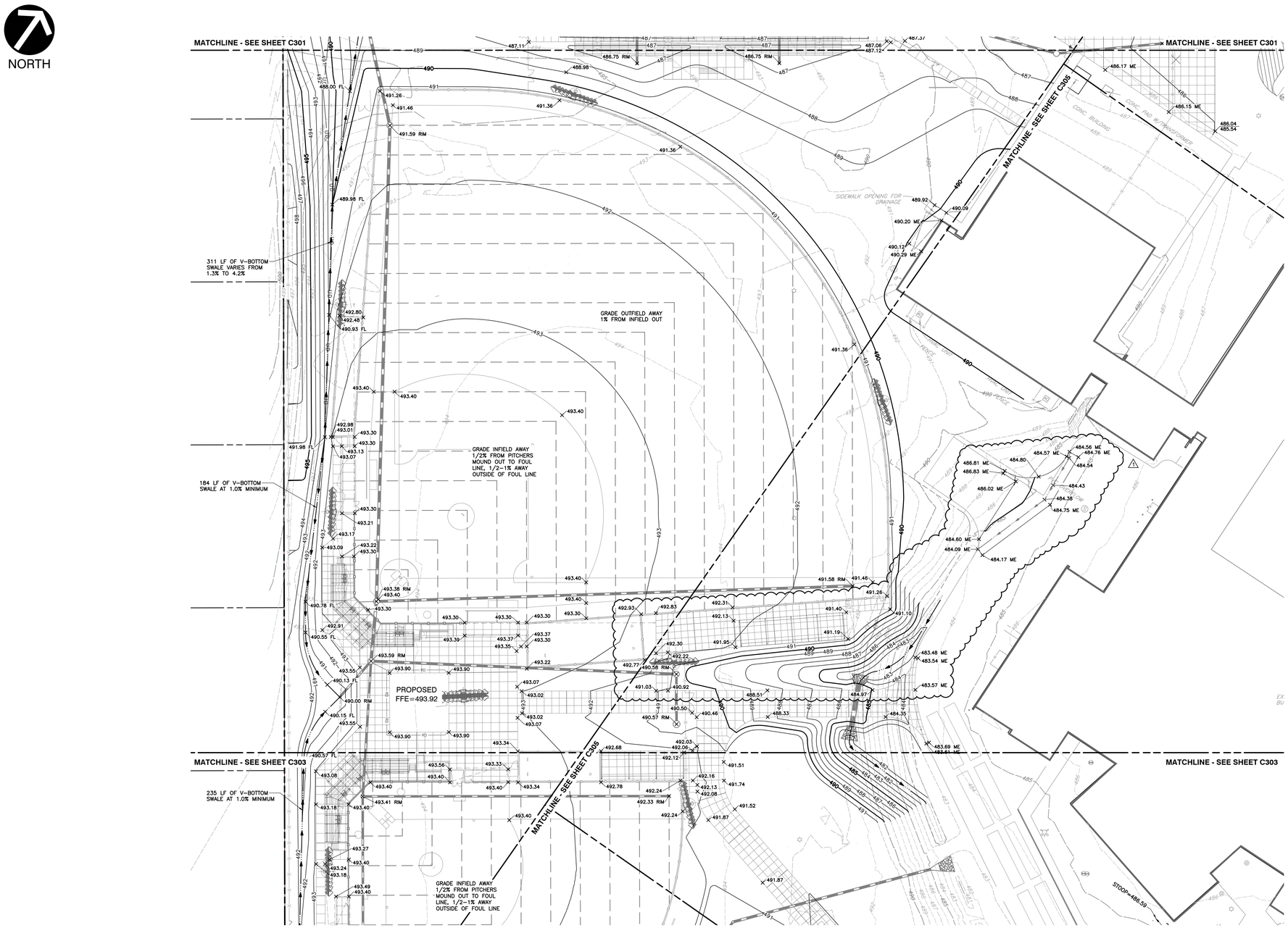
DRAWING TITLE:
GRADING PLAN

CERTIFIED BY:
NICHOLAS P. HOUSER REGISTERED No. PE11800753 STATE OF INDIANA PROFESSIONAL ENGINEER
05/17/2022

DRAWING NUMBER
C301

PROJECT NUMBER
2021026



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7. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
8. DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF-SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
9. CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
10. STORM STRUCTURES RECEIVING SUB-SURFACE DRAINS (SSD) SHALL HAVE BOTH CONNECTIONS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.

GRADING LEGEND:

800	PROPOSED INDEX CONTOUR
798	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED DRAINAGE SWALE
	PROPOSED GRADE BREAK
	PROPOSED STORM SEWER LINE
	PROPOSED UNDERDRAIN
766.90	PROPOSED SPOT ELEVATION
798.50 / 798.00	PROPOSED CURB SPOT ELEVATION; TOP OF CURB ON TOP, GUTTER ELEVATION ON BOTTOM

ABBREVIATIONS:
TC = TOP OF CURB
BC = BOTTOM OF CURB
TW = TOP OF WALL
BW = BOTTOM OF WALL
TR = TOP OF RAMP
BR = BOTTOM OF RAMP
ME = MATCH EXISTING

REFERENCE

1. RETRACEMENT & TOPOGRAPHIC SURVEY COMPLETED BY HART'S SURVEYING & ENGINEERING, LLC. PROJECT NUMBER: 19-128-05; DATED: JULY 22, 2021

NOTE: SURVEY DOES NOT INCLUDE ALL UNDERGROUND UTILITY INFORMATION. CONTRACTOR TO NOTIFY ENGINEER AND LANDSCAPE ARCHITECT IF UNMARKED UTILITY IS UNCOVERED

SCALE IN FEET
0 30' 60'

SILVER CREEK SCHOOL CORPORATION

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7600 | csoinc.net

Civil & Environmental Consultants, Inc.
8845 E. CARVER ROAD, SUITE 130, CAMBY, IN 46113
317.948.1777 317.600.7776

PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 RENZ AVE, SELLERSBURG, IN 47172

SCOPE DRAWINGS:
These drawings indicate the general scope of the project to be performed and do not necessarily indicate the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction of the work.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM 2	05-17-2022

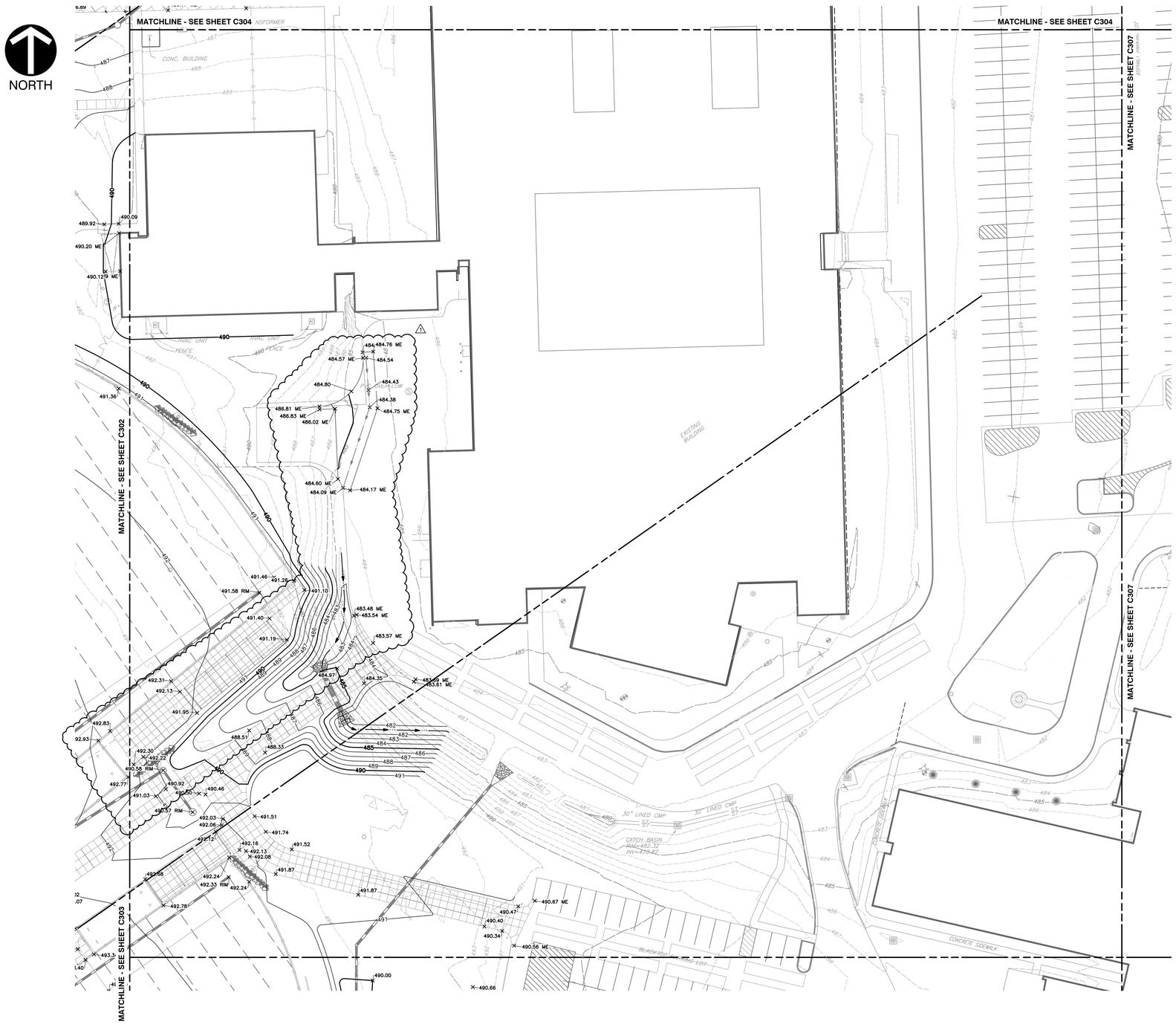
ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JCB	ACH

DRAWING TITLE:
GRADING PLAN

CERTIFIED BY:
NICHOLAS P. JUSTICE
REGISTERED
No. PE11800753
STATE OF INDIANA
PROFESSIONAL ENGINEER
05/17/2022

DRAWING NUMBER
C302

PROJECT NUMBER
2021026



REFERENCE

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   NOTE: SURVEY DOES NOT INCLUDE ALL UNDERGROUND UTILITY INFORMATION. CONTRACTOR TO NOTIFY ENGINEER AND LANDSCAPE ARCHITECT IF UNMARKED UTILITY IS UNCOVERED

GENERAL GRADING NOTES:

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
2. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
3. CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
4. PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (6" MINIMUM). PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2%.
5. ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
6. ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION CONTROL PLAN, UNLESS NOTED OTHERWISE.
7. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
8. DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF-SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
9. CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
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798	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED DRAINAGE SWALE
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SCALE IN FEET
0 30' 60'

SILVER CREEK SCHOOL CORPORATION

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Civil & Environmental Consultants, Inc.
8845 Guion Road, Indianapolis, IN 46268
317.982.7777 317.692.7775

PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 RENZ AVE, SELLERSBURG, IN 47172

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The contractor shall furnish all materials and do all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	ADDENDUM 2	05-17-2022

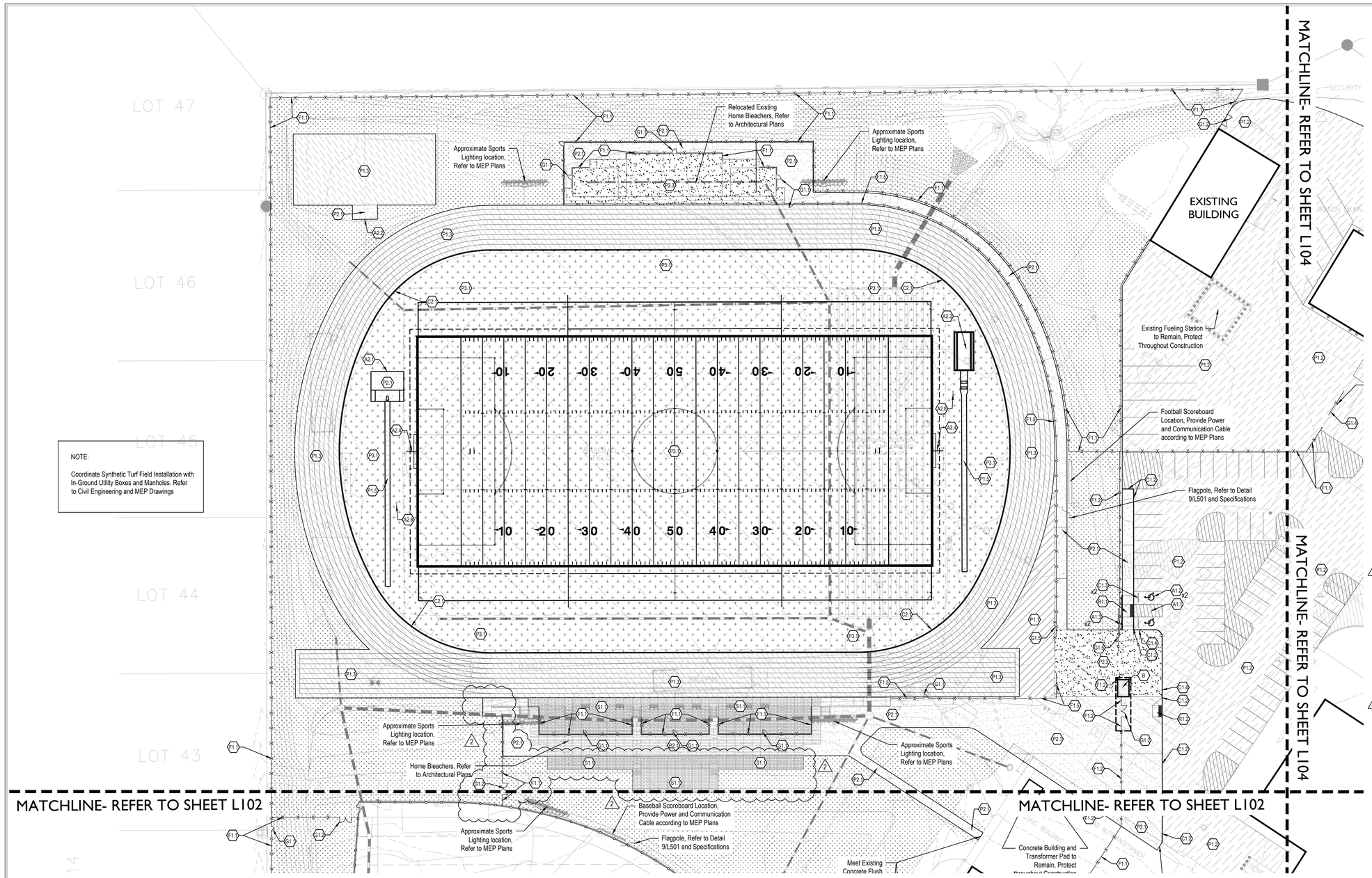
ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JCB	DRAFT

DRAWING TITLE:
GRADING PLAN

CERTIFIED BY:
NICHOLAS P. HUSICK
REGISTERED
No. PE11800753
STATE OF INDIANA
PROFESSIONAL ENGINEER
05/17/2022

DRAWING NUMBER
C305

PROJECT NUMBER
2021026



NOTE:

Coordinate Synthetic Turf Field Installation with In-Ground Utility Boxes and Manholes. Refer to Civil Engineering and MEP Drawings

MATERIAL LEGEND

A1.0 ADA Signage and Striping

- A1.1 ADA Striping, Refer to Detail 3/L502 and Specifications
- A1.2 ADA Parking Symbol, Refer to Detail 4/L502 and Specifications
- A1.3 Van Accessible Parking Sign, Refer to Detail 7/L502 and Specifications

A2.0 Athletic Components

- A2.1 Pole Vault Pit, Refer to Details 5/L503 and Specifications
- A2.2 High Jump Pit, Refer to Details 7/L503 and Specifications
- A2.3 Long Jump Pit, Refer to Details 10/L503 and Specifications
- A2.4 Football Goal Post, Refer to Specifications
- A2.5 Discus, Refer to Details 6/L503 and Specifications
- A2.6 Shot Put Pad, Refer to Details 4/L503 and Specifications
- A2.7 Shot Put Pit, Refer to Detail 8/L503 and Specifications
- A2.8 Football Play Clock, Refer to Specifications

C1.0 Curbing

- C1.1 Concrete Post Curb, Refer to Detail 4/L501
- C1.2 Integral Concrete Curb and Walk, Refer to Detail 3/L501
- C1.3 Wheel Stops, Refer to Detail 5/L502
- C1.4 Integral Concrete Sloped Curb and Walk, Refer to Detail 11/L501

C2.0 Synthetic Turf Curbing

- C2.1 Perimeter Nailer Curb, Refer to Detail 2/L504 and Specifications
- C2.2 Perimeter Nailer Curb With Fencing, Refer to Detail 3/L504 and Specifications
- C2.3 Perimeter Nailer Curb at Integral Curb Walk, Refer to Detail 4/L504 and Specifications

F1.0 Fencing

- F1.1 6'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
- F1.2 BASE BID: 6'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
  ALTERNATE BID: 6'- 0" ht. Ornamental Fence, Black, Refer to Specifications
- F1.3 Athletic Barrier Netting, Refer to Specifications
- F1.4 6'- 0" ht. Chain-Link Baseball fence with Yellow Topper, Vinyl Coated, Black, Refer to Specifications
- F1.5 4'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
- F1.6 Batting Cage, Refer to Specifications
- F1.7 Bullpen, Softball, Refer to Specifications
- F1.8 Bullpen, Baseball, Refer to Specifications
- 2 F1.9 6'- 0" ht. Chain-Link Fence with Barbed Wire, Vinyl Coated, Black, Refer to Specifications

G1.0 Gates

- G1.1 Single Leaf Swing Gate, 3'- 0" opening, Match Height of Adjacent Fencing, Refer to Specifications
- G1.2 Double Leaf Swing Gate, 8'- 0" opening, Match Height of Adjacent Fencing, Refer to Specifications
- G1.3 Double Leaf Swing Gate, 12'- 0" opening, Match Height of Adjacent Fencing, Refer to Specifications
- G1.4 20'-0" Sliding Gate, Black Coating, Refer to Specifications
- G1.5 25'-0" Sliding Gate, Match Adjacent Fence Material, Refer to Specifications
- 2 G1.6 40'-0" Double Leaf, Swing Gate, Match Adjacent Fence Material, Refer to Specifications

P1.0 Pavement, Asphalt

- P1.1 Standard Duty Asphalt Pavement, Refer to Detail 7/L501 and Specifications
- P1.2 Asphalt Re-seal and Re-Stripe, Refer Specifications
- P1.3 Asphalt Track Pavement, Refer to Detail 2/L503 and Specifications
- P1.4 ALTERNATE: Heavy Duty Asphalt Pavement Aggregate Base, Refer to Detail 8/L501 and Specifications
- P1.5 Field Events Track Surface, Refer to Detail 3/L503 and Specifications

P2.0 Pavement, Concrete

- P2.1 Standard Concrete Pavement, Refer to Details 1, 5-6/L501 and Specifications
- P2.2 Bleacher Pad Concrete Pavement, Refer to Bleacher Manufacturer Standards
- P2.3 Heavy Duty Concrete Pavement, Refer to Detail 2/L501 and Specifications

P3.0 Pavement, Specialty

- P3.1 Synthetic Turf - Football, Refer to Detail 1/L504 and Specifications
- P3.2 Infield Mix, Refer to Detail 7/L504 and Specifications
- P3.3 Warning Track Mix, Refer to Detail 6/L504 and Specifications
- P3.4 ALTERNATE: Synthetic Turf - Ball Diamonds, Refer to Detail 1/L504 and Specifications

R1.0 Accessible Sidewalk Ramps

- R1.1 Parallel Curb Ramp, Refer to Detail 1/L502 and Specifications
- R1.2 Perpendicular Curb Ramp with Flares, Refer to Detail 2/L502 and Specifications

S1.0 Stone Surfacing

- S1.1 Crushed Stone Surfacing, Refer to Detail 10/L501 and Specifications

S2.0 Signage

- S2.1 Stop Sign, Refer to Detail 6/L502 and Specifications
- S2.2 Do Not Enter Sign, Refer to Detail 6/L502 and Specifications
- S2.3 Bus Only Sign, Refer to Detail 6/L502 and Specifications
- S2.4 Left Turn Lane Sign, Refer to Detail 6/L502 and Specifications

New Architectural Buildings

- A ALTERNATE: Bathroom & Concessions Building, Refer to Architectural Drawings
- B ALTERNATE: Ticket Booth, Refer to Architectural Drawings

Common Lawn Turf, Refer to Specification Section 32 92 00

SILVER CREEK SCHOOL CORPORATION

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

context DESIGN
5825 Lawton Loop E.Dr. | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

PROJECT:

SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 Renz Ave, Sellersburg, IN 47172

SCOPE DRAWINGS:

These drawings indicate the general scope of the project to establish minimum standards for the performance of the trades including the major architectural elements and the type of structural, mechanical and electrical systems.

The drawings do not necessarily indicate or describe all work required for full performance and completion of the installations by the trades.

On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	05/09/22	Addendum #1
2	05/17/22	Addendum #2

ISSUE DATE	DRAWN BY	CHECKED BY
04/15/2022	MA	CCH

DRAWING TITLE:

SITE MATERIALS PLAN

CERTIFIED BY:

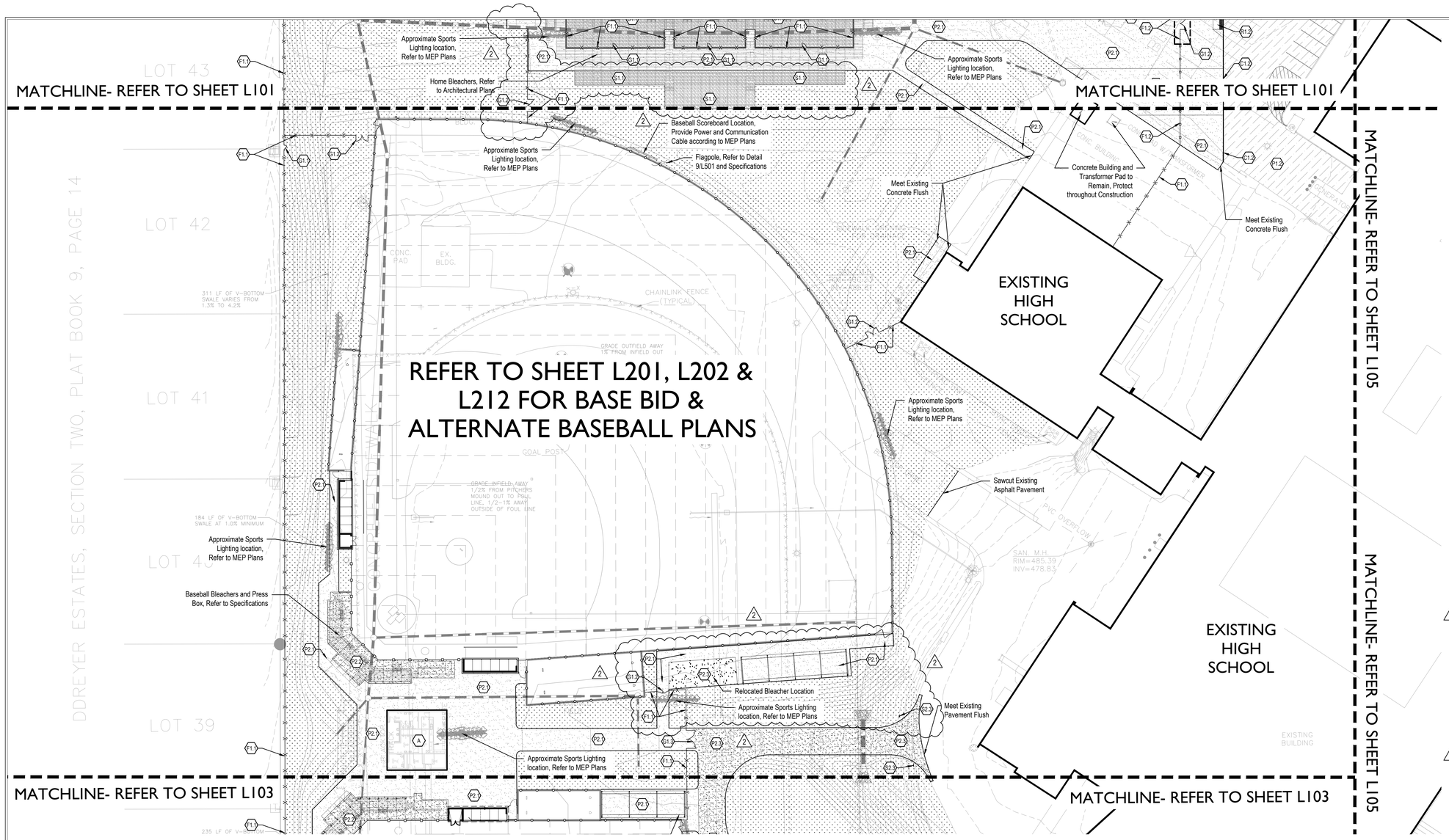
FREDDIE J. PRAZCHU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER

L101

PROJECT NUMBER

2021026



MATERIAL LEGEND

A1.0 ADA Signage and Striping

- A1.1 ADA Striping, Refer to Detail 3/L502 and Specifications
- A1.2 ADA Parking Symbol, Refer to Detail 4/L502 and Specifications
- A1.3 Van Accessible Parking Sign, Refer to Detail 7/L502 and Specifications

A2.0 Athletic Components

- A2.1 Pole Vault Pit, Refer to Details 5/L503 and Specifications
- A2.2 High Jump Pit, Refer to Details 7/L503 and Specifications
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- A2.4 Football Goal Post, Refer to Specifications
- A2.5 Discus, Refer to Details 6/L503 and Specifications
- A2.6 Shot Put Pad, Refer to Details 4/L503 and Specifications
- A2.7 Shot Put Pit, Refer to Detail 8/L503 and Specifications
- A2.8 Football Play Clock, Refer to Specifications

C1.0 Curbing

- C1.1 Concrete Post Curb, Refer to Detail 4/L501
- C1.2 Integral Concrete Curb and Walk, Refer to Detail 3/L501
- C1.3 Wheel Stops, Refer to Detail 5/L502
- C1.4 Integral Concrete Sloped Curb and Walk, Refer to Detail 11/L501

C2.0 Synthetic Turf Curbing

- C2.1 Perimeter Nailer Curb, Refer to Detail 2/L504 and Specifications
- C2.2 Perimeter Nailer Curb With Fencing, Refer to Detail 3/L504 and Specifications
- C2.3 Perimeter Nailer Curb at Integral Curb Walk, Refer to Detail 4/L504 and Specifications

F1.0 Fencing

- F1.1 6'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
- F1.2 BASE BID: 6'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
  ALTERNATE BID: 6'- 0" ht. Ornamental Fence, Black, Refer to Specifications
- F1.3 Athletic Barrier Netting, Refer to Specifications
- F1.4 6'- 0" ht. Chain-Link Baseball fence with Yellow Topper, Vinyl Coated, Black, Refer to Specifications
- F1.5 4'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
- F1.6 Batting Cage, Refer to Specifications
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G1.0 Gates

- G1.1 Single Leaf Swing Gate, 3'- 0" opening, Match Height of Adjacent Fencing, Refer to Specifications
- G1.2 Double Leaf Swing Gate, 8'- 0" opening, Match Height of Adjacent Fencing, Refer to Specifications
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- P1.1 Standard Duty Asphalt Pavement, Refer to Detail 7/L501 and Specifications
- P1.2 Asphalt Re-seal and Re-Stripe, Refer Specifications
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- P1.5 Field Events Track Surface, Refer to Detail 3/L503 and Specifications

P2.0 Pavement, Concrete

- P2.1 Standard Concrete Pavement, Refer to Details 1, 5-6/L501 and Specifications
- P2.2 Bleacher Pad Concrete Pavement, Refer to Bleacher Manufacturer Standards
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P3.0 Pavement, Specialty

- P3.1 Synthetic Turf - Football, Refer to Detail 1/L504 and Specifications
- P3.2 Infield Mix, Refer to Detail 7/L504 and Specifications
- P3.3 Warning Track Mix, Refer to Detail 6/L504 and Specifications
- P3.4 ALTERNATE: Synthetic Turf - Ball Diamonds, Refer to Detail 1/L504 and Specifications

R1.0 Accessible Sidewalk Ramps

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S1.0 Stone Surfacing

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S2.0 Signage

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PROJECT:
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REVISIONS:

1	05/09/22	Addendum #1
2	05/17/22	Addendum #2

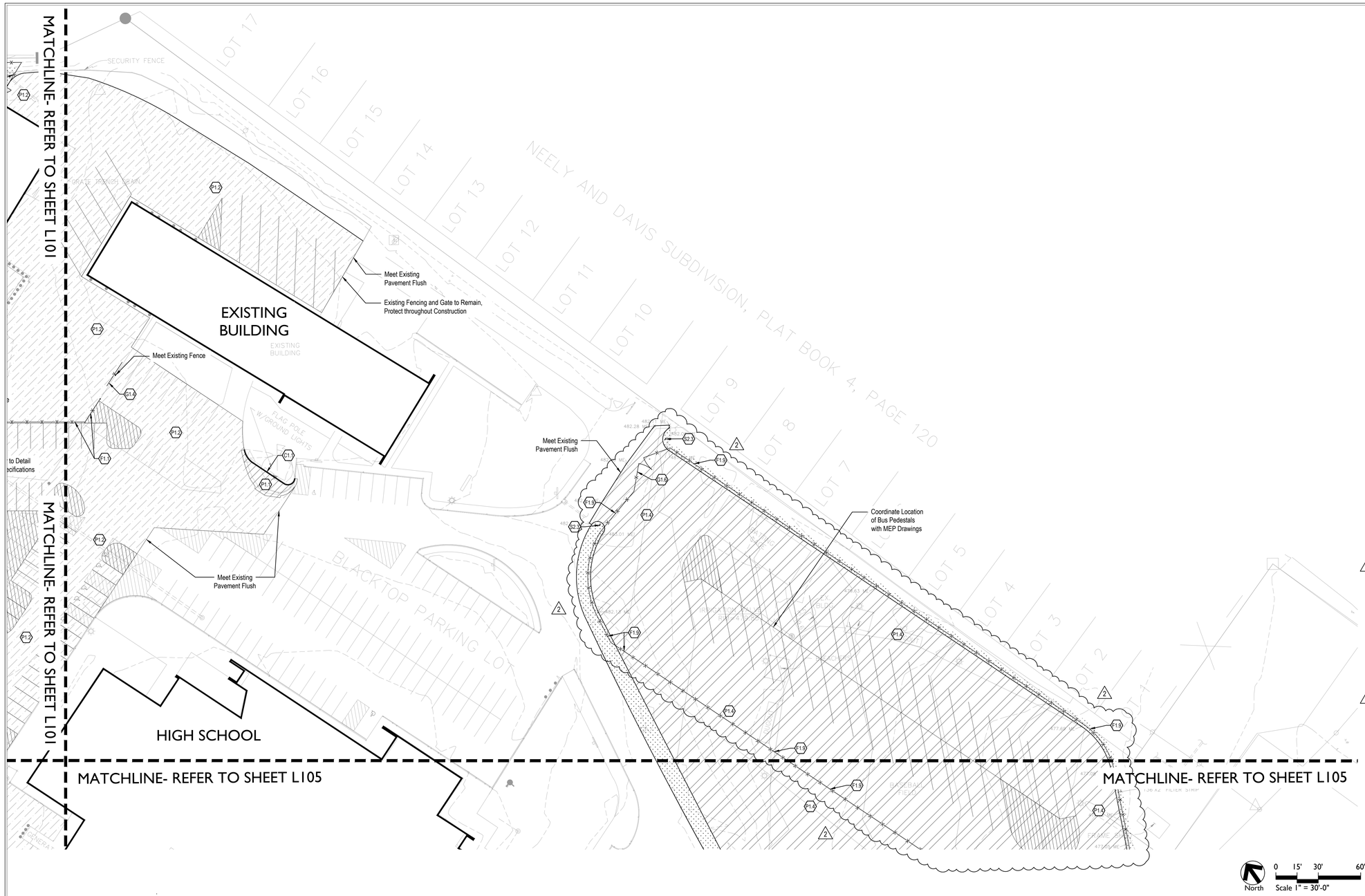
ISSUE DATE	DRAWN BY	CHECKED BY
04/15/2022	MA	CCH

DRAWING TITLE:
SITE MATERIALS PLAN

CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L102

PROJECT NUMBER
2021026



MATERIAL LEGEND

A1.0 ADA Signage and Striping

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- A2.8 Football Play Clock, Refer to Specifications

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- C1.3 Wheel Stops, Refer to Detail 5/L502
- C1.4 Integral Concrete Sloped Curb and Walk, Refer to Detail 11/L501

C2.0 Synthetic Turf Curbing

- C2.1 Perimeter Nailer Curb, Refer to Detail 2/L504 and Specifications
- C2.2 Perimeter Nailer Curb With Fencing, Refer to Detail 3/L504 and Specifications
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P1.0 Pavement, Asphalt

- P1.1 Standard Duty Asphalt Pavement, Refer to Detail 7/L501 and Specifications
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- P1.3 Asphalt Track Pavement, Refer to Detail 2/L503 and Specifications
- P1.4 ALTERNATE: Heavy Duty Asphalt Pavement Aggregate Base, Refer to Detail 8/L501 and Specifications
- P1.5 Field Events Track Surface, Refer to Detail 3/L503 and Specifications

P2.0 Pavement, Concrete

- P2.1 Standard Concrete Pavement, Refer to Details 1, 5-6/L501 and Specifications
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- P2.3 Heavy Duty Concrete Pavement, Refer to Detail 2/L501 and Specifications

P3.0 Pavement, Specialty

- P3.1 Synthetic Turf - Football, Refer to Detail 1/L504 and Specifications
- P3.2 Infield Mix, Refer to Detail 7/L504 and Specifications
- P3.3 Warning Track Mix, Refer to Detail 6/L504 and Specifications
- P3.4 ALTERNATE: Synthetic Turf - Ball Diamonds, Refer to Detail 1/L504 and Specifications

R1.0 Accessible Sidewalk Ramps

- R1.1 Parallel Curb Ramp, Refer to Detail 1/L502 and Specifications
- R1.2 Perpendicular Curb Ramp with Flares, Refer to Detail 2/L502 and Specifications

S1.0 Stone Surfacing

- S1.1 Crushed Stone Surfacing, Refer to Detail 10/L501 and Specifications

S2.0 Signage

- S2.1 Stop Sign, Refer to Detail 6/L502 and Specifications
- S2.2 Do Not Enter Sign, Refer to Detail 6/L502 and Specifications
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Common Lawn Turf, Refer to Specification Section 32 92 00

SILVER CREEK SCHOOL CORPORATION

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PROJECT:
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SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
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ISSUE DATE	DRAWN BY	CHECKED BY
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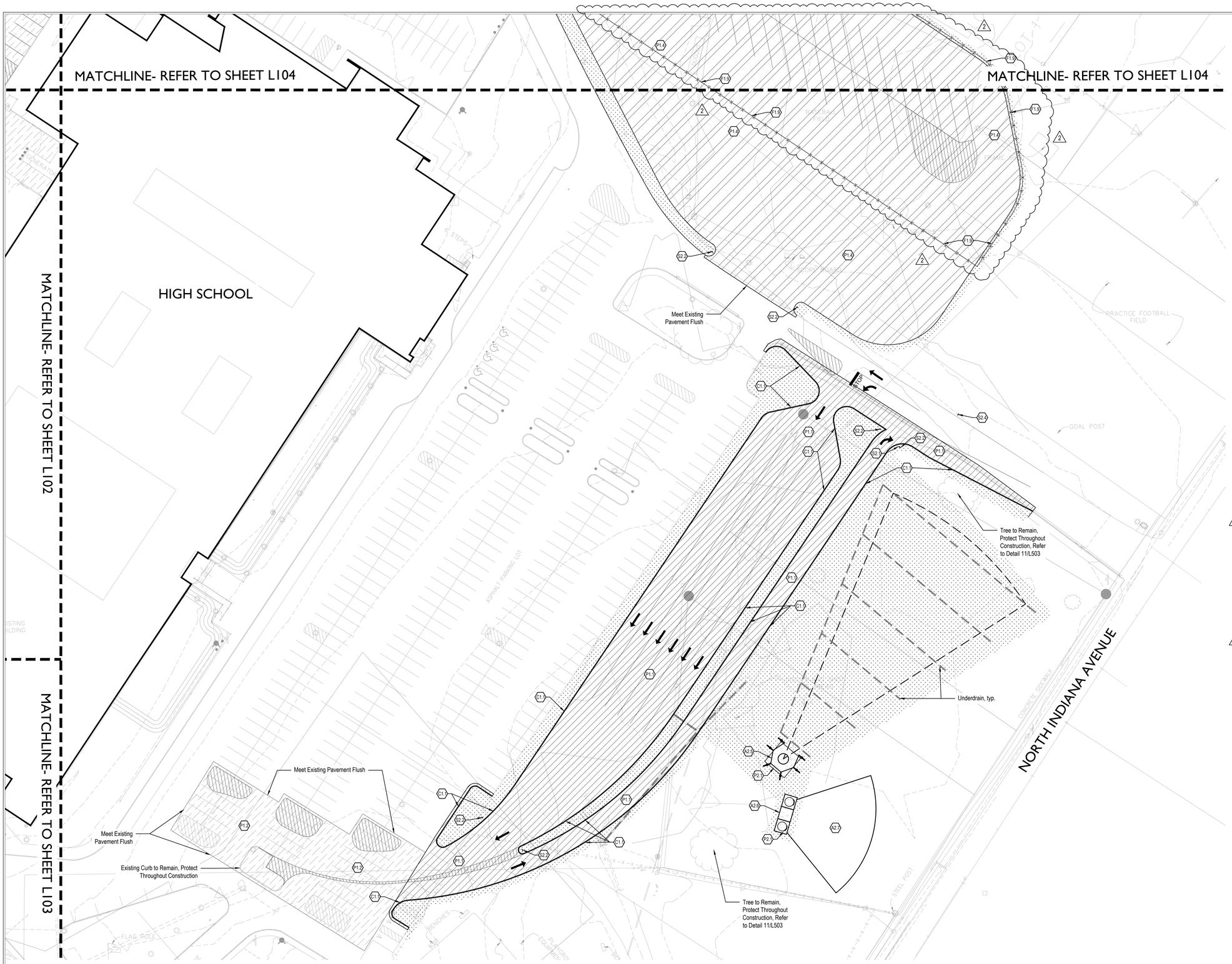
DRAWING TITLE:
SITE MATERIALS PLAN

CERTIFIED BY:
FREDDIE J. PRAZEMAN
REGISTERED No. 2020-0052 STATE OF INDIANA LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L104

PROJECT NUMBER
2021026



MATERIAL LEGEND

A1.0 ADA Signage and Striping

- A1.1 ADA Striping, Refer to Detail 3/L502 and Specifications
- A1.2 ADA Parking Symbol, Refer to Detail 4/L502 and Specifications
- A1.3 Van Accessible Parking Sign, Refer to Detail 7/L502 and Specifications

A2.0 Athletic Components

- A2.1 Pole Vault Pit, Refer to Details 5/L503 and Specifications
- A2.2 High Jump Pit, Refer to Details 7/L503 and Specifications
- A2.3 Long Jump Pit, Refer to Details 10/L503 and Specifications
- A2.4 Football Goal Post, Refer to Specifications
- A2.5 Discus, Refer to Details 6/L503 and Specifications
- A2.6 Shot Put Pad, Refer to Details 4/L503 and Specifications
- A2.7 Shot Put Pit, Refer to Detail 8/L503 and Specifications
- A2.8 Football Play Clock, Refer to Specifications

C1.0 Curbing

- C1.1 Concrete Post Curb, Refer to Detail 4/L501
- C1.2 Integral Concrete Curb and Walk, Refer to Detail 3/L501
- C1.3 Wheel Stops, Refer to Detail 5/L502
- C1.4 Integral Concrete Sloped Curb and Walk, Refer to Detail 11/L501

C2.0 Synthetic Turf Curbing

- C2.1 Perimeter Nailer Curb, Refer to Detail 2/L504 and Specifications
- C2.2 Perimeter Nailer Curb With Fencing, Refer to Detail 3/L504 and Specifications
- C2.3 Perimeter Nailer Curb at Integral Curb Walk, Refer to Detail 4/L504 and Specifications

F1.0 Fencing

- F1.1 6'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
- F1.2 BASE BID: 6'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
  ALTERNATE BID: 6'- 0" ht. Ornamental Fence, Black, Refer to Specifications
- F1.3 Athletic Barrier Netting, Refer to Specifications
- F1.4 6'- 0" ht. Chain-Link Baseball fence with Yellow Topper, Vinyl Coated, Black, Refer to Specifications
- F1.5 4'- 0" ht. Chain-Link Fence, Vinyl Coated, Black, Refer to Specifications
- F1.6 Batting Cage, Refer to Specifications
- F1.7 Bullpen, Softball, Refer to Specifications
- F1.8 Bullpen, Baseball, Refer to Specifications
- 2 F1.9 6'- 0" ht. Chain-Link Fence with Barbed Wire, Vinyl Coated, Black, Refer to Specifications

G1.0 Gates

- G1.1 Single Leaf Swing Gate, 3'- 0" opening, Match Height of Adjacent Fencing, Refer to Specifications
- G1.2 Double Leaf Swing Gate, 8'- 0" opening, Match Height of Adjacent Fencing, Refer to Specifications
- G1.3 Double Leaf Swing Gate, 12'- 0" opening, Match Height of Adjacent Fencing, Refer to Specifications
- G1.4 20'-0" Sliding Gate, Black Coating, Refer to Specifications
- G1.5 25'-0" Sliding Gate, Match Adjacent Fence Material, Refer to Specifications
- 2 G1.6 40'-0" Double Leaf, Swing Gate, Match Adjacent Fence Material, Refer to Specifications

P1.0 Pavement, Asphalt

- P1.1 Standard Duty Asphalt Pavement, Refer to Detail 7/L501 and Specifications
- P1.2 Asphalt Re-seal and Re-Stripe, Refer Specifications
- P1.3 Asphalt Track Pavement, Refer to Detail 2/L503 and Specifications
- P1.4 ALTERNATE: Heavy Duty Asphalt Pavement Aggregate Base, Refer to Detail 8/L501 and Specifications
- P1.5 Field Events Track Surface, Refer to Detail 3/L503 and Specifications

P2.0 Pavement, Concrete

- P2.1 Standard Concrete Pavement, Refer to Details 1, 5-6/L501 and Specifications
- P2.2 Bleacher Pad Concrete Pavement, Refer to Bleacher Manufacturer Standards
- P2.3 Heavy Duty Concrete Pavement, Refer to Detail 2/L501 and Specifications

P3.0 Pavement, Specialty

- P3.1 Synthetic Turf - Football, Refer to Detail 1/L504 and Specifications
- P3.2 Infield Mix, Refer to Detail 7/L504 and Specifications
- P3.3 Warning Track Mix, Refer to Detail 6/L504 and Specifications
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ATHLETICS PACKAGE
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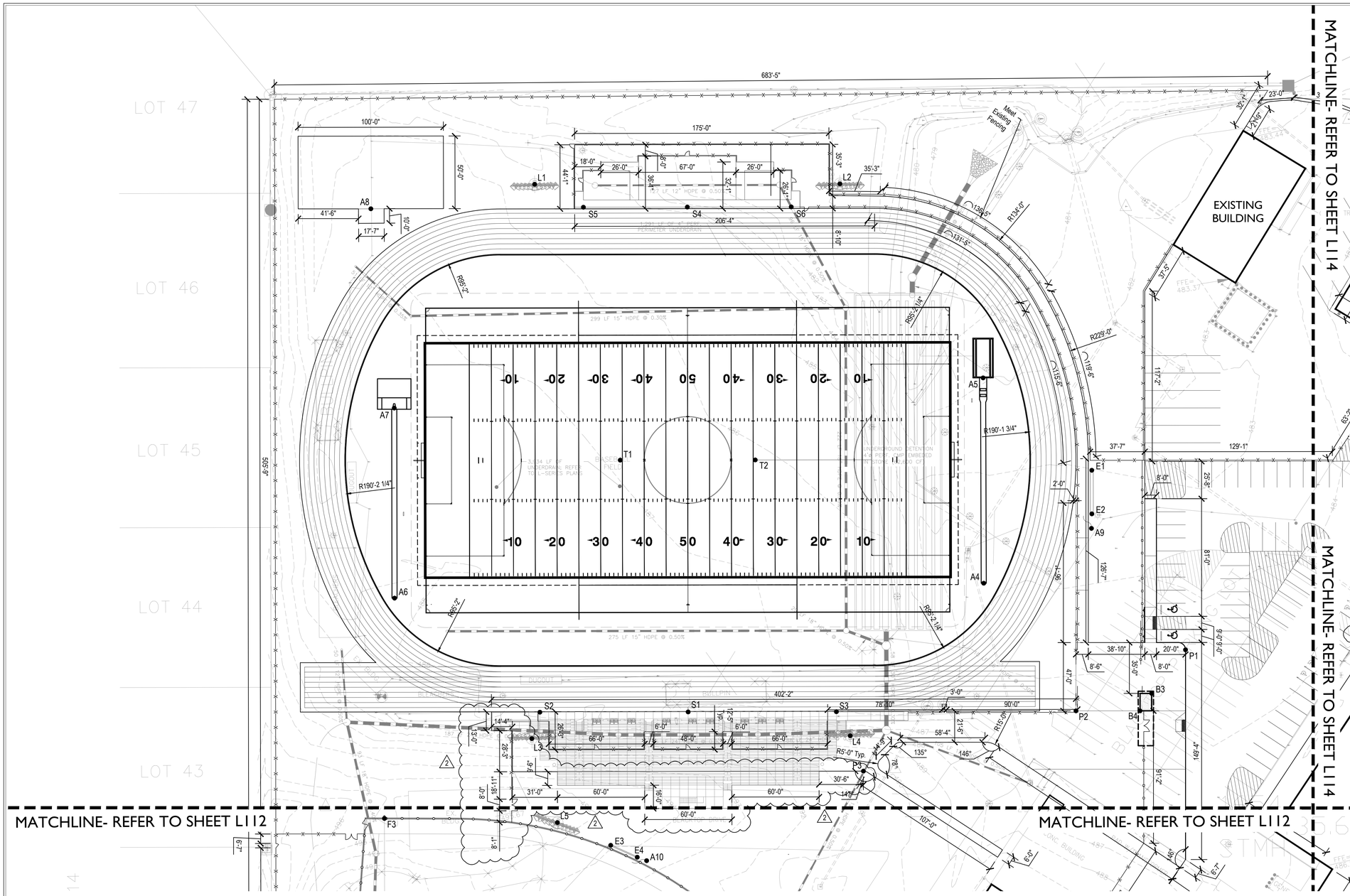
CERTIFIED BY:
FREDDIE J. PRAZEMAN
REGISTERED No. 2020-0052 STATE OF INDIANA LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L105

PROJECT NUMBER
2021026



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A2	1150801.40	303305.94	Center of Shotput Ring
A3	1150782.44	303312.30	Center of Shotput Ring
A4	1150927.74	302244.75	Long Jump Centerline
A5	1151043.29	302163.33	Center of Shotput Ring
A6	1150686.84	301918.58	Pole Vault Centerline
A7	1150793.88	301843.35	Pole Vault Centerline
A8	1150897.02	301751.50	High Jump Centerline
A9	1151001.18	302283.79	Flagpole
A10	1150638.29	302164.31	Flagpole
A11	1150180.15	302478.92	Flagpole
B1	1150255.41	302253.43	Building Corner
B2	1150199.72	302243.83	Building Corner
B3	1150931.91	302382.88	Building Corner
B4	1150917.48	302383.21	Building Corner
E1	1151034.07	302261.03	Scoreboard Post
E2	1151009.53	302278.28	Scoreboard Post
E3	1150632.78	302137.99	Scoreboard Post
E4	1150636.53	302157.64	Scoreboard Post
E5	1150206.77	302473.54	Scoreboard Post
E6	1150187.29	302478.03	Scoreboard Post
F1	1150288.61	302189.58	Baseball Field Control Point
F2	1150478.33	302459.60	Baseball Field Foul Pole
F3	1150558.62	301999.86	Baseball Field Foul Pole
F4	1150149.97	302275.40	Softball Field Control Point
F5	1149986.32	302390.39	Softball Field Foul Pole
F6	1150264.95	302439.05	Softball Field Foul Pole
L1	1150975.48	301834.16	Sports Lighting Pole
L2	1151096.21	302005.98	Sports Lighting Pole
L3	1150661.80	302051.41	Sports Lighting Pole
L4	1150789.06	302229.73	Sports Lighting Pole
L5	1150624.58	302098.95	Sports Lighting Pole
L6	1150417.00	302050.48	Sports Lighting Pole
L7	1150573.97	302388.73	Sports Lighting Pole
L8	1150295.59	302125.52	Sports Lighting Pole
L9	1150362.24	302363.95	Sports Lighting Pole
L10	1150246.40	302270.86	Sports Lighting Pole
L11	1150276.01	302437.39	Sports Lighting Pole
L12	1150098.48	302263.00	Sports Lighting Pole
L13	1149976.48	302385.08	Sports Lighting Pole
P1	1150969.84	302384.74	End of Radius
P2	1150892.20	302347.12	Corner Point
P3	1150774.34	302251.12	End of Radius
P4	1150426.58	302518.13	Corner Point
P5	1150273.50	302300.81	Corner Point
P6	1150230.21	302166.97	Corner Point
P7	1150149.60	302218.08	Corner Point
P8	1150274.40	302453.94	Corner Point
P9	1150237.02	302602.99	End of Radius
P10	1151084.68	303225.61	End of Radius
P11	1151070.22	303211.19	End of Radius
P12	1151082.77	303170.75	End of Radius
P13	1151035.22	303115.80	End of Radius
P14	1150805.70	303216.17	End of Radius
P15	1150686.95	303122.34	End of Radius
S1	1150738.52	302128.98	Home Grandstand Centerline
S2	1150679.88	302045.52	Home Grandstand End of Bleacher
S3	1150797.16	302212.44	Home Grandstand End of Bleacher
S4	1151022.86	301929.19	Visitor Bleacher Centerline
S5	1150981.75	301870.69	Visitor Bleaacher End of Seating
S6	1151063.97	301987.70	Visitor Bleaacher End of Seating
S7	1150258.07	302184.25	Baseball Bleacher Centerline
S8	1150278.14	302159.06	Baseball Bleacher End of Seating
S9	1150268.41	302214.75	Baseball Bleacher End of Seating
S10	1150154.44	302249.79	Softball Bleacher Centerline
S11	1150179.93	302272.72	Softball Bleacher End of Seating
S12	1150122.73	302262.80	Softball Bleacher End of Seating
T1	1150853.68	301991.30	Track Measure Line Control Point
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DRAWING TITLE:

SITE LAYOUT PLAN

CERTIFIED BY:

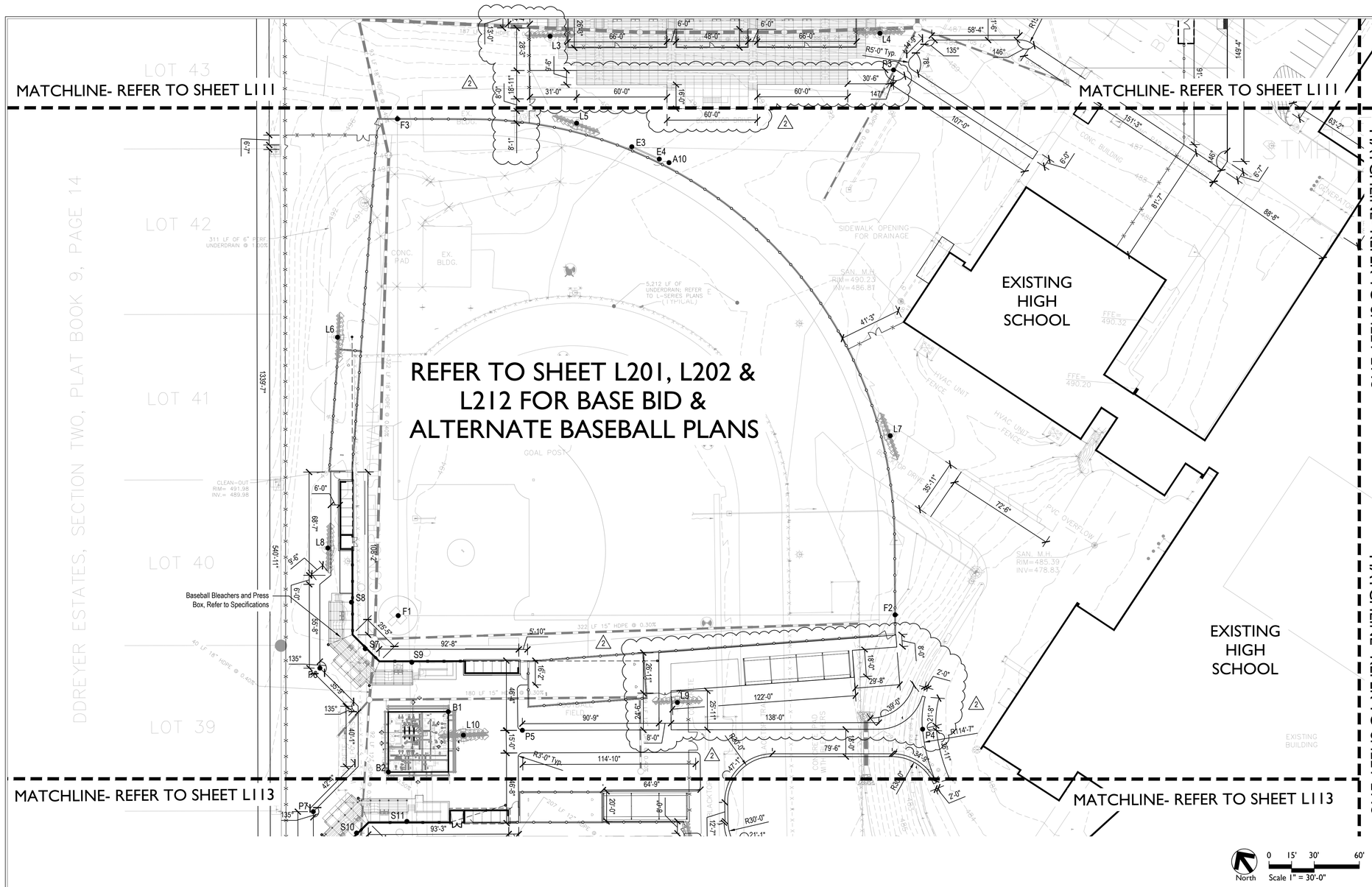
FREDDIE J. PRAZNIK REGISTERED No. 2020-0052 STATE OF INDIANA LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER

L111

PROJECT NUMBER

2021026



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L7	1150573.97	302388.73	Sports Lighting Pole
L8	1150298.58	302425.52	Sports Lighting Pole
L9	1150360.10	302384.10	Sports Lighting Pole
L10	1150248.49	302270.60	Sports Lighting Pole
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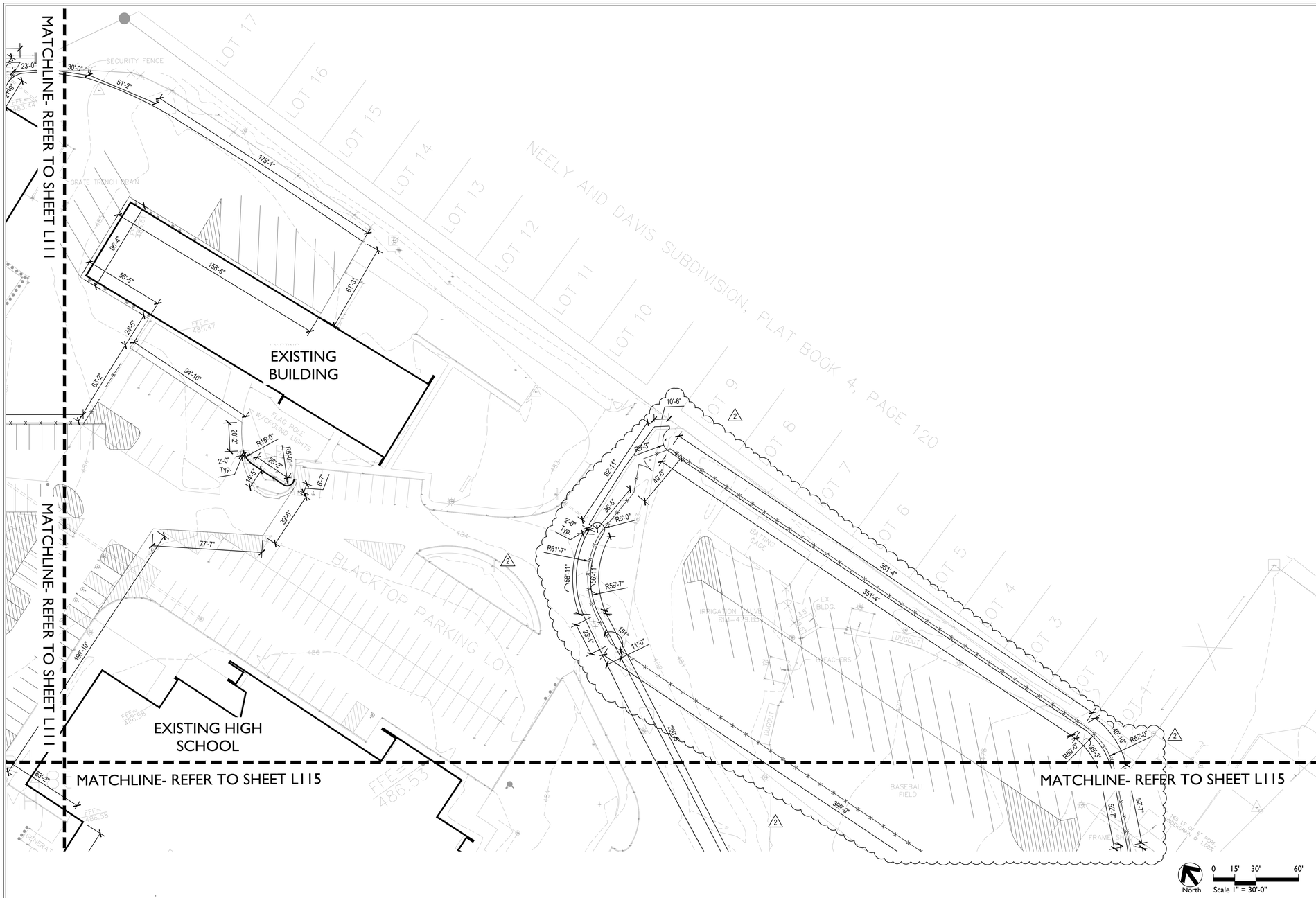

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E5	1150206.77	302473.54	Scoreboard Post
E6	1150187.29	302478.03	Scoreboard Post
F1	1150288.61	302189.58	Baseball Field Control Point
F2	1150478.33	302459.60	Baseball Field Foul Pole
F3	1150558.62	301999.86	Baseball Field Foul Pole
F4	1150149.97	302275.40	Softball Field Control Point
F5	1149986.32	302390.39	Softball Field Foul Pole
F6	1150264.95	302439.05	Softball Field Foul Pole
L1	1150975.48	301834.16	Sports Lighting Pole
L2	1151096.21	302005.98	Sports Lighting Pole
L3	1150661.80	302051.41	Sports Lighting Pole
L4	1150789.06	302229.73	Sports Lighting Pole
L5	1150624.58	302098.95	Sports Lighting Pole
L6	1150417.00	302050.48	Sports Lighting Pole
L7	1150573.97	302388.73	Sports Lighting Pole
L8	1150298.59	302125.52	Sports Lighting Pole
L9	1150362.24	302363.95	Sports Lighting Pole
L10	1150248.40	302270.60	Sports Lighting Pole
L11	1150276.01	302437.39	Sports Lighting Pole
L12	1150098.48	302263.00	Sports Lighting Pole
L13	1149976.48	302385.08	Sports Lighting Pole
P1	1150969.84	302384.74	End of Radius
P2	1150892.20	302347.12	Corner Point
P3	1150774.34	302251.12	End of Radius
P4	1150426.58	302518.13	Corner Point
P5	1150273.50	302300.81	Corner Point
P6	1150230.21	302166.97	Corner Point
P7	1150149.60	302218.08	Corner Point
P8	1150274.40	302453.94	Corner Point
P9	1150237.02	302602.99	End of Radius
P10	1151084.68	303225.61	End of Radius
P11	1151070.22	303211.19	End of Radius
P12	1151082.77	303170.75	End of Radius
P13	1151035.22	303115.80	End of Radius
P14	1150805.70	303216.17	End of Radius
P15	1150686.95	303122.34	End of Radius
S1	1150738.52	302128.98	Home Grandstand Centerline
S2	1150679.88	302045.52	Home Grandstand End of Bleacher
S3	1150797.16	302212.44	Home Grandstand End of Bleacher
S4	1151022.86	301929.19	Visitor Bleacher Centerline
S5	1150981.75	301870.69	Visitor Bleaacher End of Seating
S6	1151063.97	301987.70	Visitor Bleaacher End of Seating
S7	1150258.07	302184.25	Baseball Bleacher Centerline
S8	1150278.14	302159.06	Baseball Bleacher End of Seating
S9	1150268.41	302214.75	Baseball Bleacher End of Seating
S10	1150154.44	302249.79	Softball Bleacher Centerline
S11	1150179.93	302272.72	Softball Bleacher End of Seating
S12	1150122.73	302262.80	Softball Bleacher End of Seating
T1	1150853.68	301991.30	Track Measure Line Control Point
T2	1150907.08	302067.30	Track Measure Line Control Point

SILVER CREEK SCHOOL CORPORATION

CSO
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317.848.7800 | csoinc.net

context DESIGN
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317-485-6900 | www.context-design.com

PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 Renz Ave, Sellersburg, IN 47172

SCOPE DRAWINGS:
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REVISIONS:
1 05/09/22 Addendum #1
2 05/17/22 Addendum #2

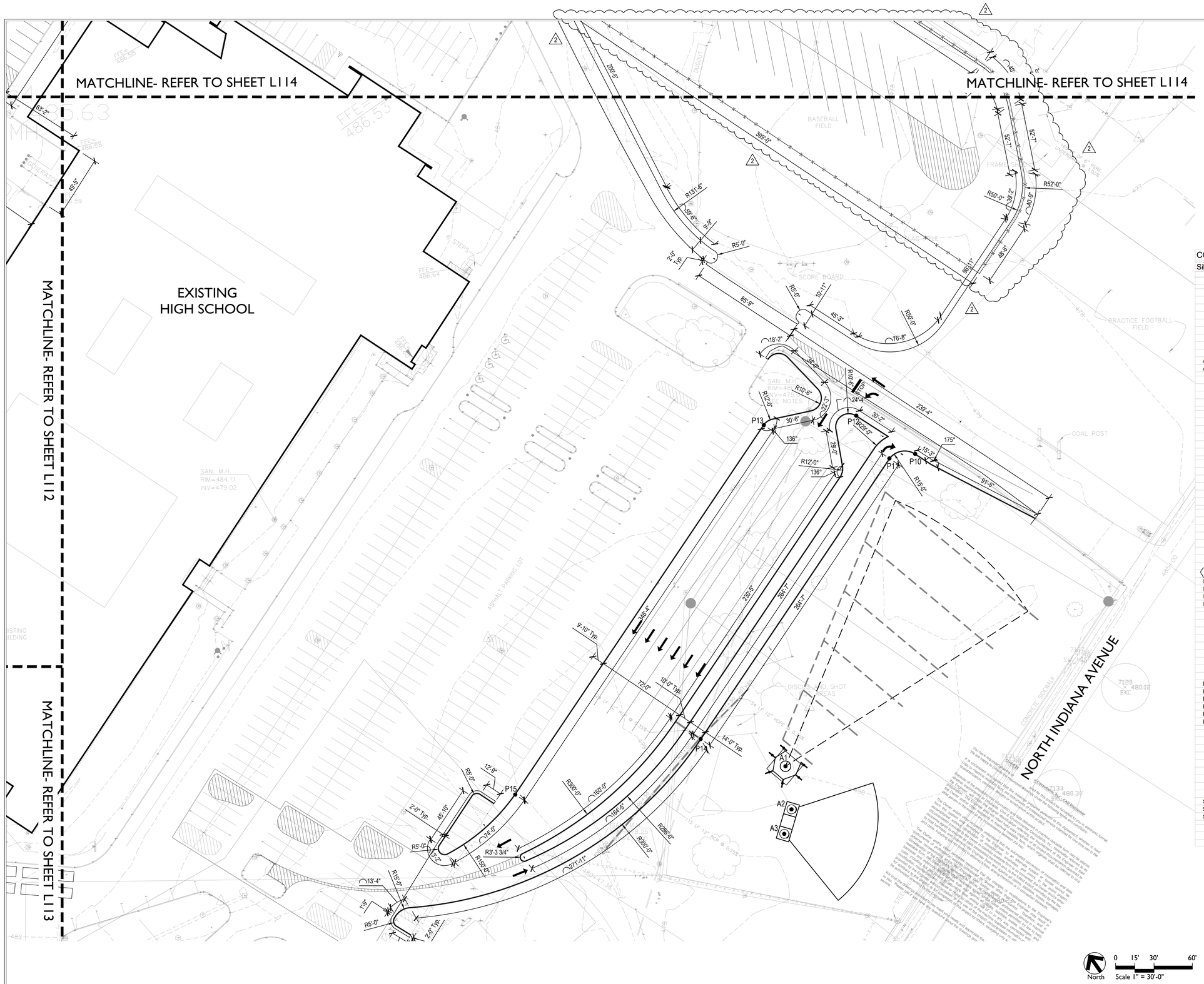
ISSUE DATE	DRAWN BY	CHECKED BY
04/15/2022	MA	CCH

DRAWING TITLE:
SITE LAYOUT PLAN

CERTIFIED BY:
FREDDIE J. PRAZIAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L114

PROJECT NUMBER
2021026



LAYOUT NOTES

1. Dimensions are shown to Face of Curb unless otherwise noted.
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3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
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COORDINATE TABLE

Silver Creek High School Athletics

PT	Position Y (Northing)	Position X (Easting)	DESCRIPTION
A1	1150826.34	303282.76	Center of Discus Ring
A2	1150801.40	303305.94	Center of Shotput Ring
A3	1150782.44	303312.30	Center of Shotput Ring
A4	1150927.74	302244.75	Long Jump Centerline
A5	1151043.29	302163.33	Center of Shotput Ring
A6	1150686.84	301918.58	Pole Vault Centerline
A7	1150793.88	301843.35	Pole Vault Centerline
A8	1150897.02	301751.50	High Jump Centerline
A9	1151001.18	302283.79	Flagpole
A10	1150638.29	302164.31	Flagpole
A11	1150180.15	302478.92	Flagpole
B1	1150255.41	302253.43	Building Corner
B2	1150199.72	302243.83	Building Corner
B3	1150931.91	302382.88	Building Corner
B4	1150917.48	302383.21	Building Corner
E1	1151034.07	302261.03	Scoreboard Post
E2	1151009.53	302278.28	Scoreboard Post
E3	1150632.78	302137.99	Scoreboard Post
E4	1150636.53	302157.64	Scoreboard Post
E5	1150206.77	302473.54	Scoreboard Post
E6	1150187.29	302478.03	Scoreboard Post
F1	1150288.61	302189.58	Baseball Field Control Point
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F3	1150558.62	301999.86	Baseball Field Foul Pole
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L10	1150248.40	302270.60	Sports Lighting Pole
L11	1150276.01	302437.39	Sports Lighting Pole
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P12	1151082.77	303170.75	End of Radius
P13	1151035.22	303115.80	End of Radius
P14	1150805.70	303216.17	End of Radius
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SILVER CREEK SCHOOL CORPORATION

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317.848.7600 | csoinc.net

context DESIGN
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317-485-6900 | www.context-design.com

PROJECT:

SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 Renz Ave, Sellersburg, IN 47172

SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the general construction materials and the type of structurals, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the complete performance and completion of the work requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	05/09/22	Addendum #1
2	05/17/22	Addendum #2

ISSUE DATE	DRAWN BY	CHECKED BY
04/15/2022	MA	CCH

DRAWING TITLE:

SITE LAYOUT PLAN

CERTIFIED BY:

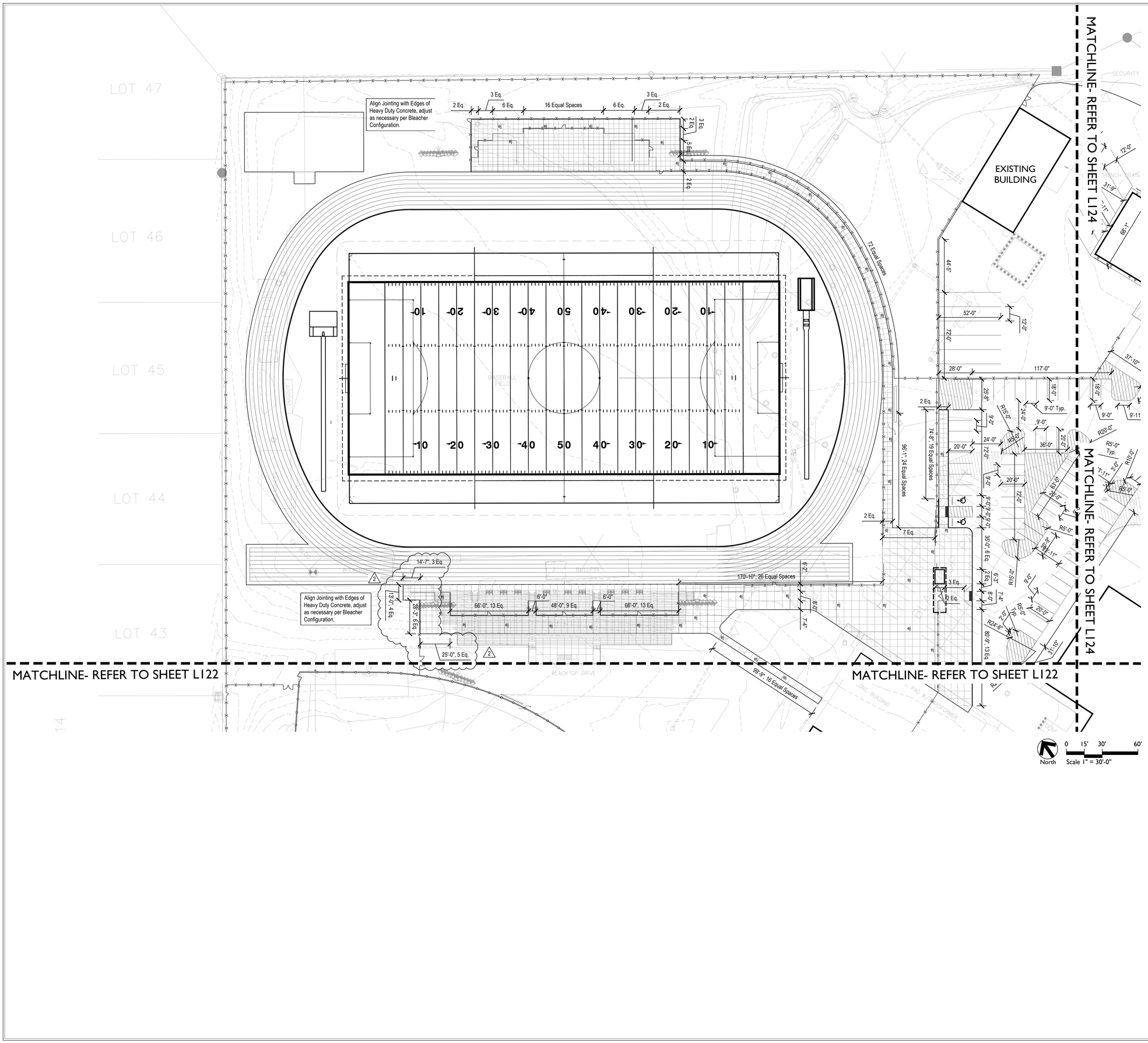
FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER

L115

PROJECT NUMBER

2021026



LAYOUT NOTES

1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of doors.
3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
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SILVER CREEK SCHOOL CORPORATION

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context DESIGN
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PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 Renz Ave, Sellersburg, IN 47172

SCOPE DRAWINGS:
These drawings indicate the general scope of the project to establish minimum standards for the performance of materials and including the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	05/09/22	Addendum #1
2	05/17/22	Addendum #2

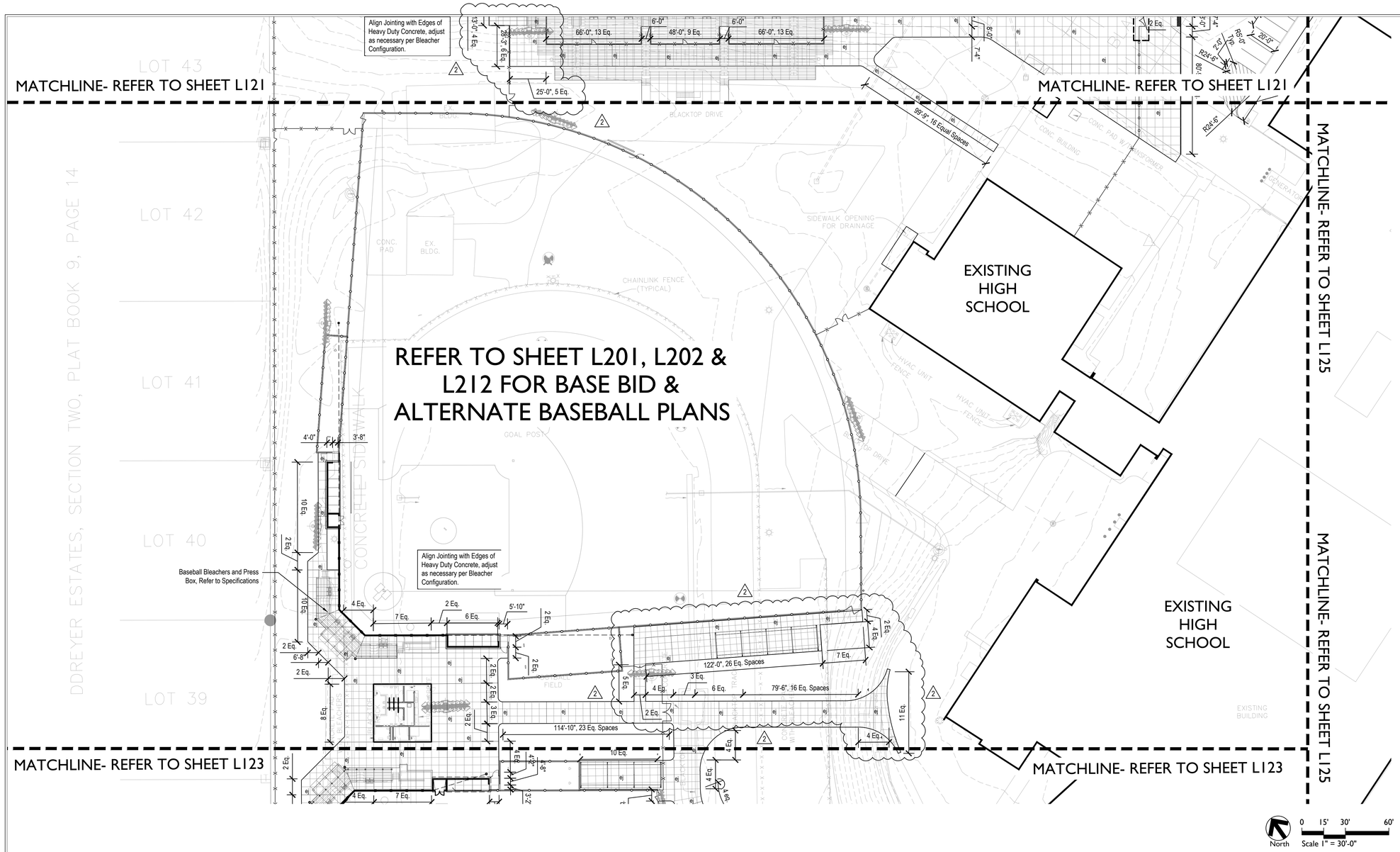
ISSUE DATE	DRAWN BY	CHECKED BY
04/15/2022	MA	CCH

DRAWING TITLE:
JOINTING AND STRIPING PLAN

CERTIFIED BY:
FREDDIE J. PRAZZAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L121

PROJECT NUMBER
2021026



LAYOUT NOTES

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PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 Renz Ave, Sellersburg, IN 47172

SCOPE DRAWINGS:
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In the absence of a detailed scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 05/09/22 Addendum #1
2 05/17/22 Addendum #2

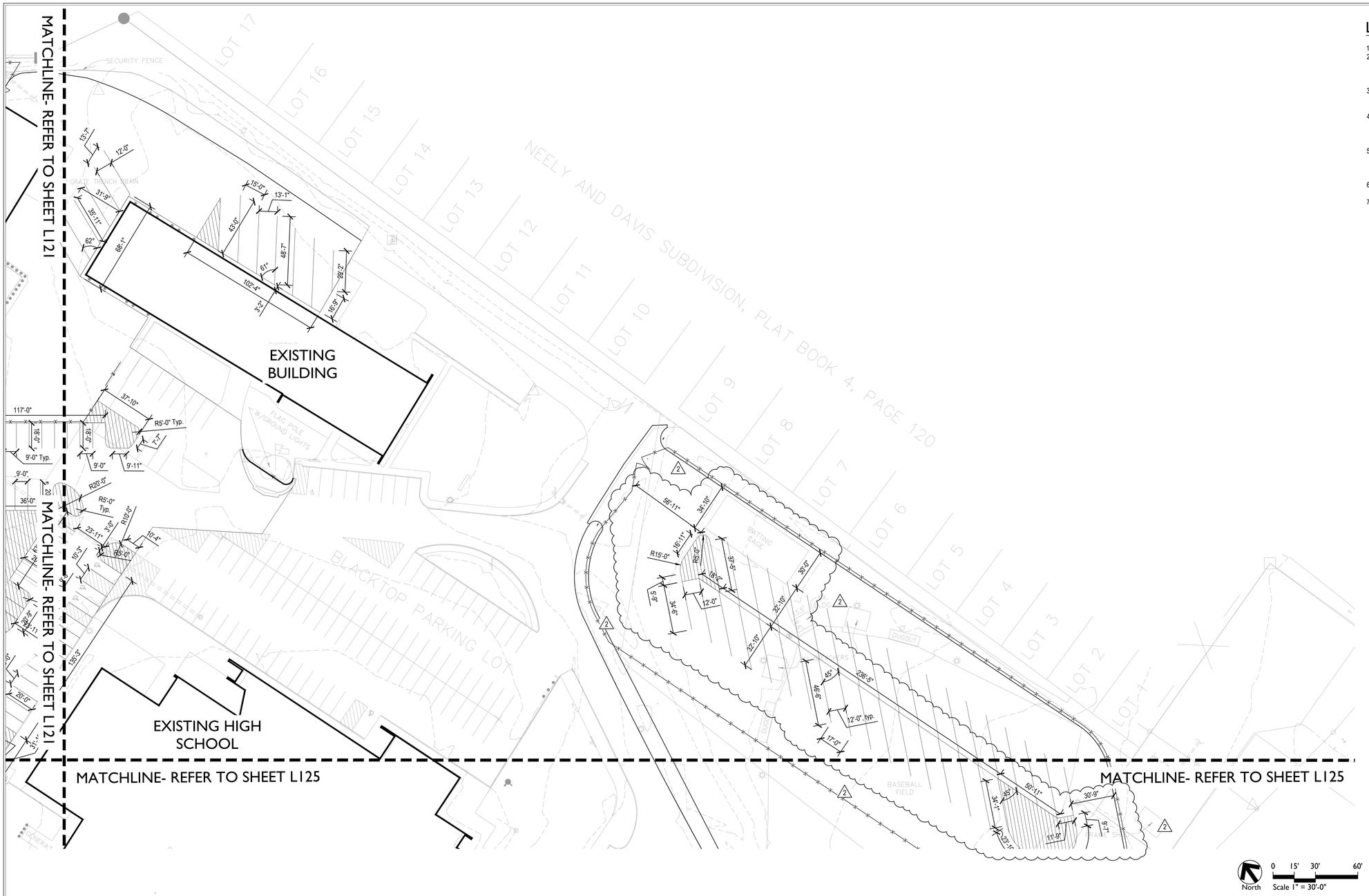
ISSUE DATE	DRAWN BY	CHECKED BY
04/15/2022	MA	CCH

DRAWING TITLE:
JOINTING AND STRIPING PLAN

CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L122

PROJECT NUMBER
2021026



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SILVER CREEK HIGH SCHOOL
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REVISIONS:

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04/15/2022	MA	CCH

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CERTIFIED BY:
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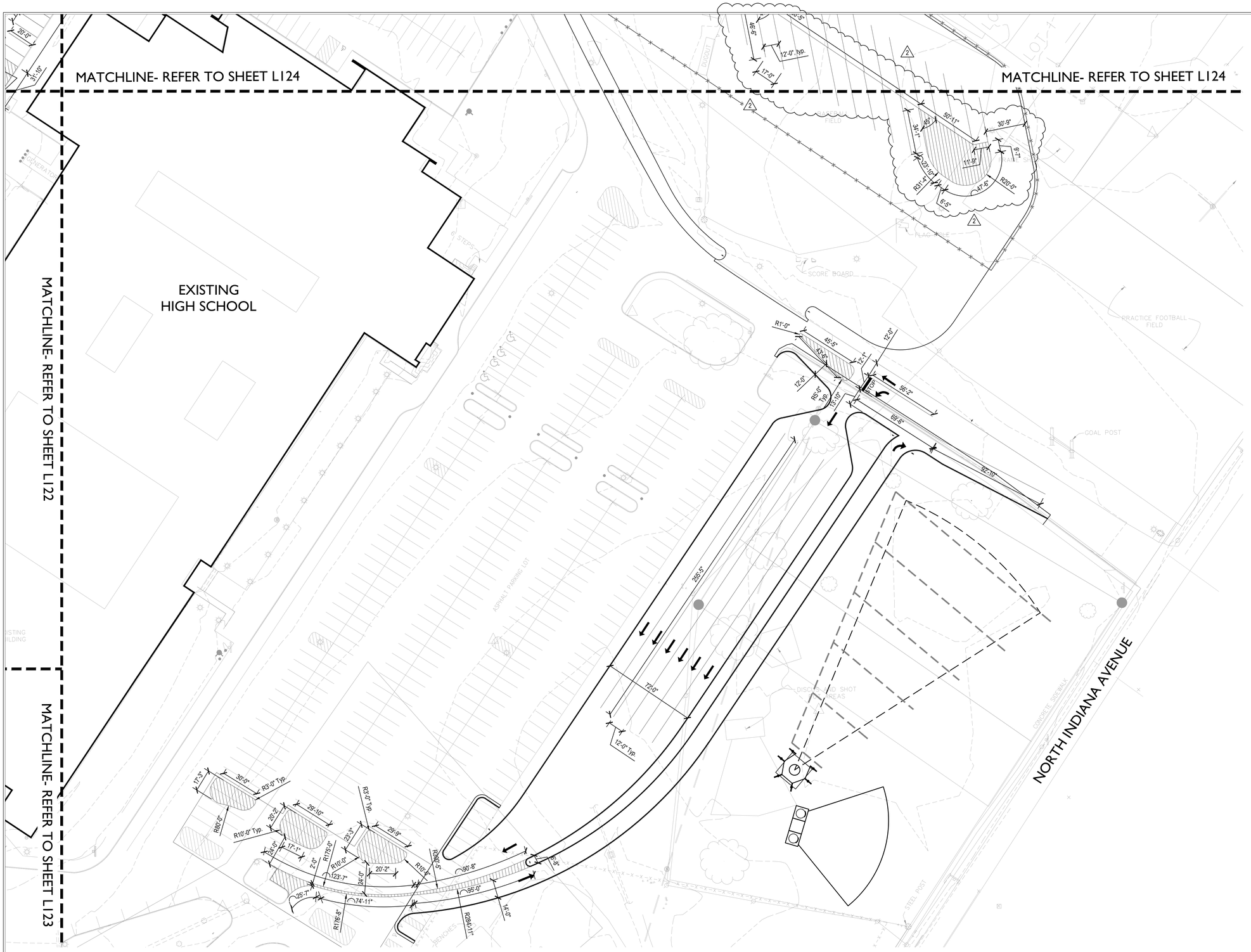
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L124

PROJECT NUMBER
2021026



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PROJECT:
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SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 Renz Ave, Sellersburg, IN 47172

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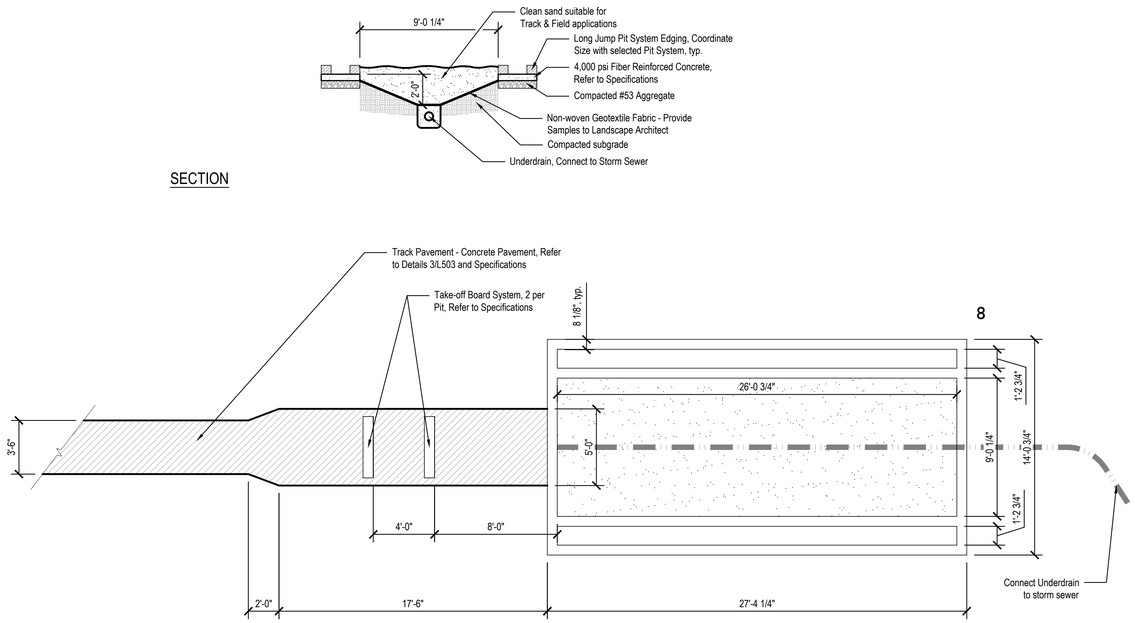
ISSUE DATE	DRAWN BY	CHECKED BY
04/15/2022	MA	CCH

DRAWING TITLE:
JOINTING AND STRIPING PLAN

CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

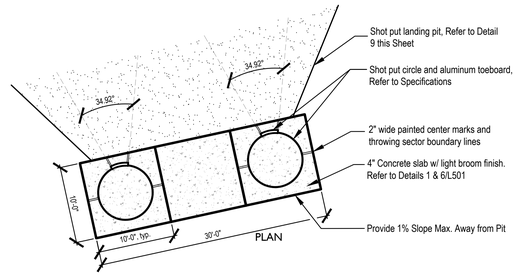
DRAWING NUMBER
L125

PROJECT NUMBER
2021026

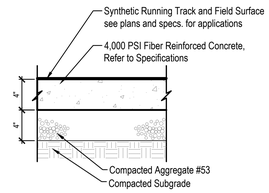


All-weather IHSAA long jump lane with synthetic surface and sand pit. See specs. The long jump landing pit shall be contained by a 6" wide x 18" deep cast-in-place concrete curb with top elevation set $\frac{1}{2}$" above take-off-board. An underdrain shall run the length of pit and connect to nearest storm inlet.

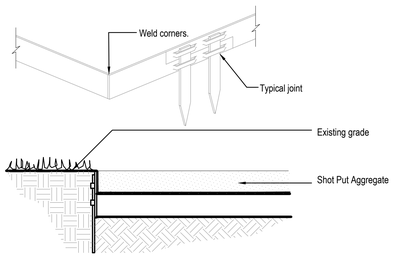
10 LONG JUMP PIT
Scale: 1/4" = 1'-0"



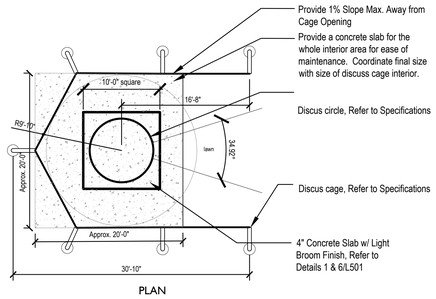
4 SHOT PUT PAD
Not to scale



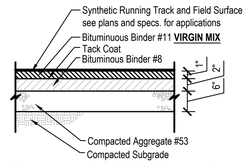
3 TRACK PAVEMENT - CONCRETE BASE
Not to Scale



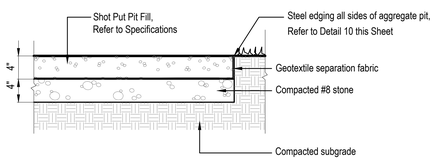
9 STEEL EDGE
Not to Scale



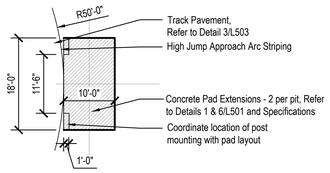
6 DISCUS CAGE
Not to Scale



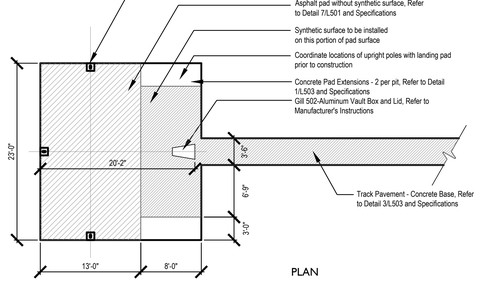
2 TRACK PAVEMENT - ASPHALT BASE
Not to Scale



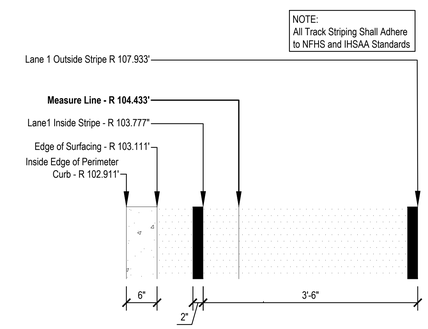
8 SHOT PUT PIT
Not to Scale



7 HIGH JUMP PIT
Not to Scale



5 POLE VAULT PIT
Not to scale



1 TRACK LAYOUT AND LANE STRIPING DETAIL
Scale: 1" = 1'-0"

SILVER CREEK SCHOOL CORPORATION

CSO
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317.848.7800 | csoinc.net

context DESIGN
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317-485-6900 | www.context-design.com

PROJECT:
SILVER CREEK SCHOOL CORPORATION
SILVER CREEK HIGH SCHOOL
ATHLETICS PACKAGE
557 Renz Ave, Sellersburg, IN 47172

SCOPE DRAWINGS:
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REVISIONS:
1 05/09/22 Addendum #1
2 05/17/22 Addendum #2

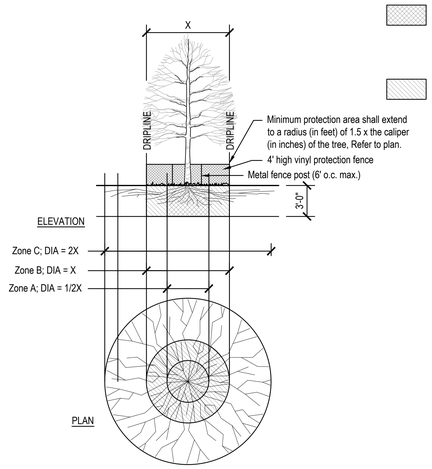
ISSUE DATE	DRAWN BY	CHECKED BY
04/15/2022	MA	CCH

DRAWING TITLE:
SITE DETAILS

CERTIFIED BY:
FREDDIE J. PRAZEAU REGISTERED No. 2020-0052 STATE OF INDIANA LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L503

PROJECT NUMBER
2021026



TRENCHING/EXCAVATION

ZONE A (CRITICAL ROOT ZONE)
1. NO DISTURBANCE ALLOWED without site-specific inspection and approval of methods to minimize root damage.
2. Severance of roots larger than 2" diameter requires Landscape Architect's approval.
3. Tunneling or boring required to install utilities 3'-0" below grade or deeper.

ZONE B (DRIPLINE)
1. Operation of heavy equipment and/or stockpiling of materials subject to Landscape Architect's approval. Surface Protection* measures required.
2. Trenching allowed as follows:
   - Excavation by hand or with hand-driver trencher may be required.
   - Limit trench width. Do not disturb Zone A, maintain 2/3 or more of Zone B in undisturbed condition.
3. Tunneling or boring may be required for trenches deeper than 3'-0".

ZONE C (FEEDER ROOT ZONE)
1. Operation of heavy equipment and/or stockpiling of materials subject to Landscape Architect's approval. Surface Protection* measures required.
2. Trenching with heavy equipment allowed as follows:
   - Minimize trench width.
   - Maintain 2/3 or more of Zone C in undisturbed condition.

FENCING/ROOT PROTECTION
4' high vinyl protection fence at the greater of Zone B (Dripline) or to a radius (in feet) of 1.5x the caliper (in inches) of the tree, minimum, and at Zone C (Feeder Root Zone) if possible. Refer to Detail this Sheet.

Upon Landscape Architect's approval, a plywood box (8' minimum height) may be used where fencing cannot be achieved.

Landscape Architect's approval required for use/access within Zone B. Permission for use/access requires Surface Protection Measures for all unfenced, unpaved surfaces within Zone B.

*SURFACE PROTECTION MEASURES
1. Mulch Layer, 6"-8" Depth
2. ¾" Plywood
3. Steel Plates

NOTES:
1. Refer to tree protection specifications.
2. Contractor may submit alternate methods of tree protection to Landscape Architect for consideration.

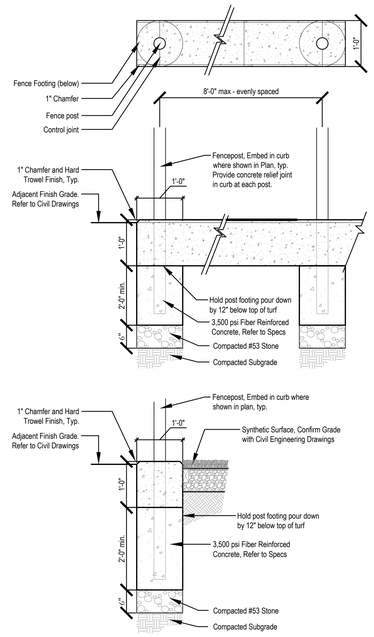
10 TREE PROTECTION
Not To Scale

2

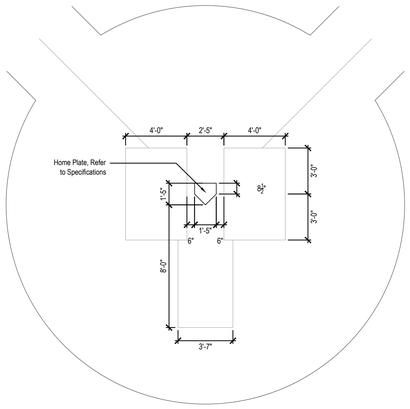
7 NOT USED
NOT TO SCALE

6 NOT USED
NOT TO SCALE

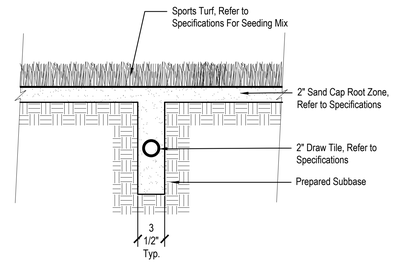
2



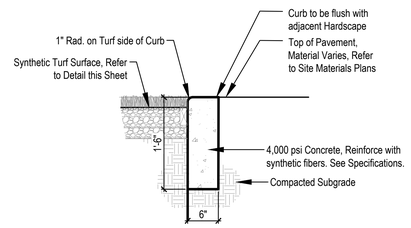
3 PERIMETER CURB NAILER WITH FENCING AT SYNTHETIC FIELDS
Scale: 3/4"=1'-0"



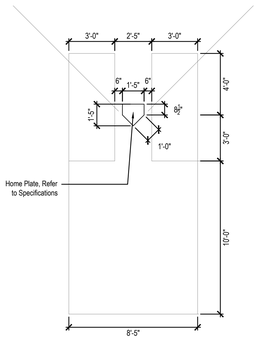
9 BATTERS BOX - BASEBALL
Scale: 1/4" = 1'-0"



5 BALL DIAMOND - TYPICAL ROOT ZONE SECTION
Scale: 1-1/2" = 1'-0"

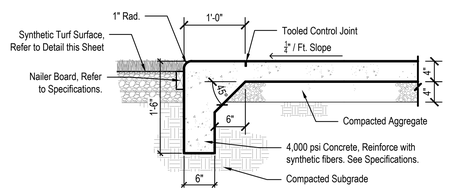


2 PERIMETER NAILER CURB
1"=1'-0"

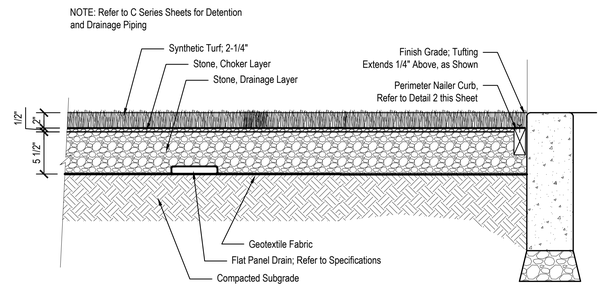


8 CATCHER & BATTER BOX - SOFTBALL
Scale: 1/4" = 1'-0"

NOTES:
1. Curb shall have ½" expansion joints at 40'-0" max., control joints at 8'-0" max. unless otherwise noted.
2. Control joints shall be cut ¼" depth of total thickness of slab.
3. Fiber additive: Virgin nylon fibers, ¾" length, Nycon by Nycon Inc., or Forta Nylon by Forta Corporation, added at the batch plant at 1 lb. per cu. yd. of concrete.



4 PERIMETER CURB NAILER AT INTEGRAL CURB AND WALK
1"=1'-0"



1 SYNTHETIC TURF - TYPICAL SECTION
Scale: 1-1/2" = 1'-0"

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ATHLETICS PACKAGE
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SCOPE DRAWINGS:
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1 05/09/22 Addendum #1
2 05/17/22 Addendum #2

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SITE DETAILS

CERTIFIED BY:
FREDDIE J. PIAZZAU REGISTERED No. 2020-0052 STATE OF INDIANA LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L504

PROJECT NUMBER
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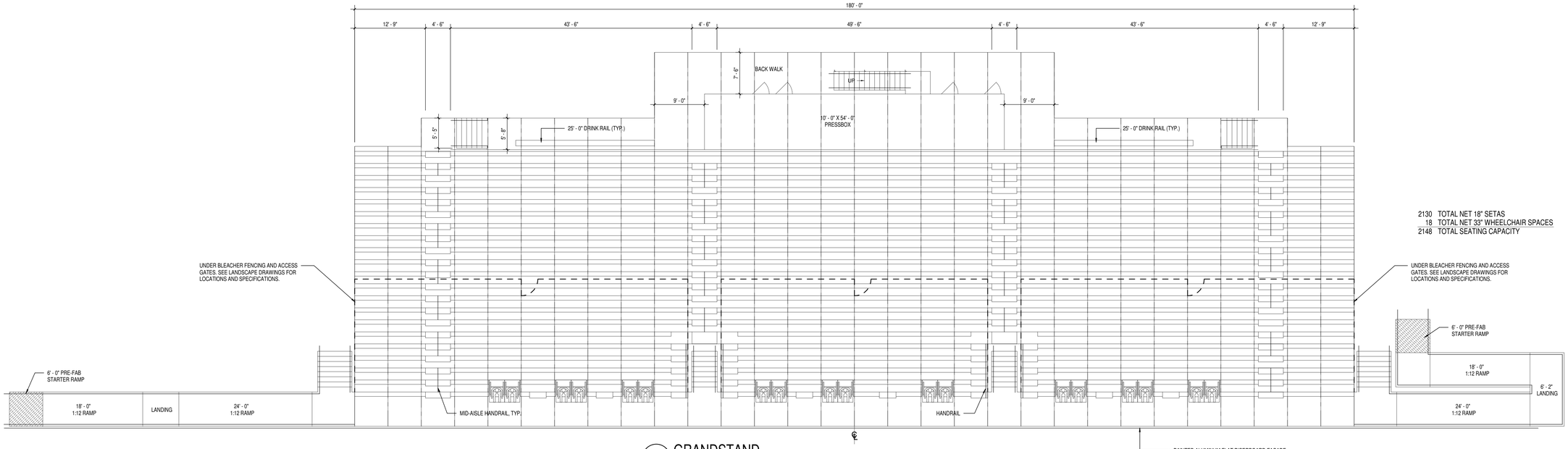
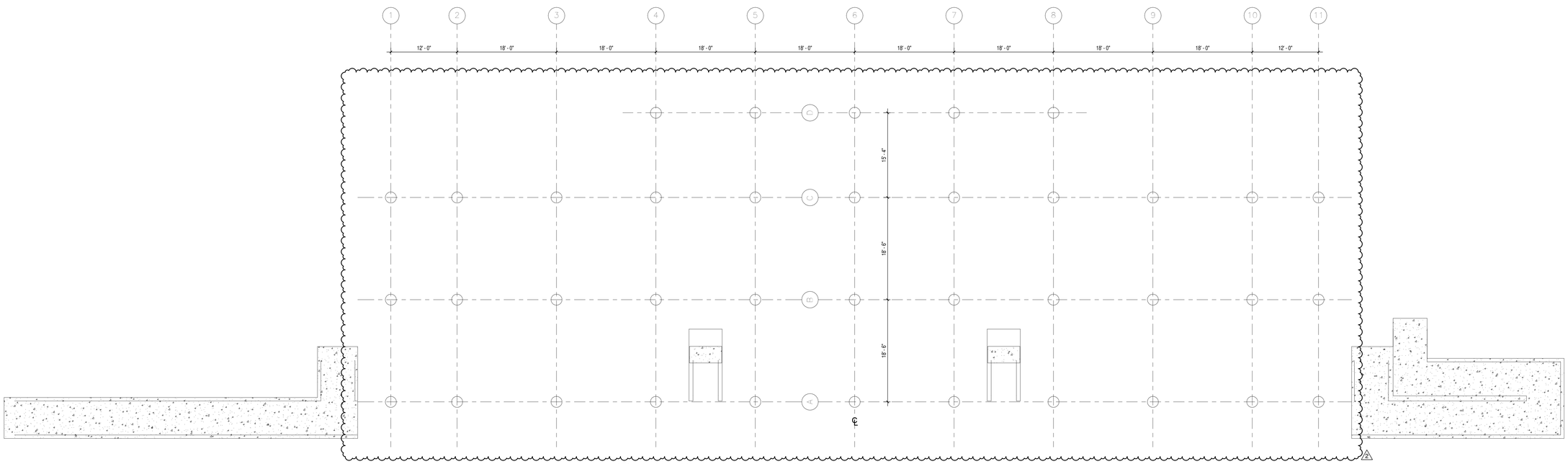
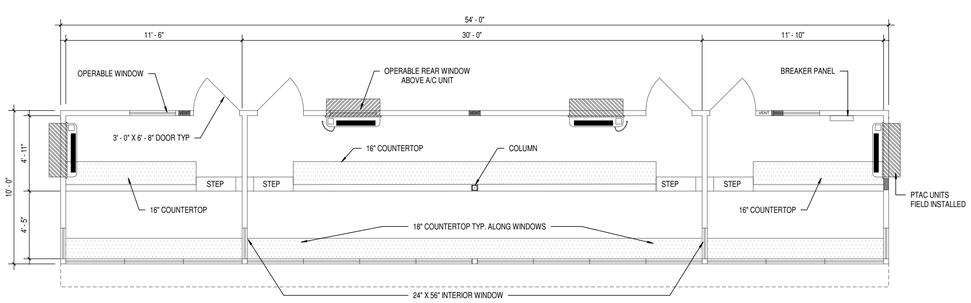


2130 TOTAL NET 18" SETAS
18 TOTAL NET 33" WHEELCHAIR SPACES
2148 TOTAL SEATING CAPACITY

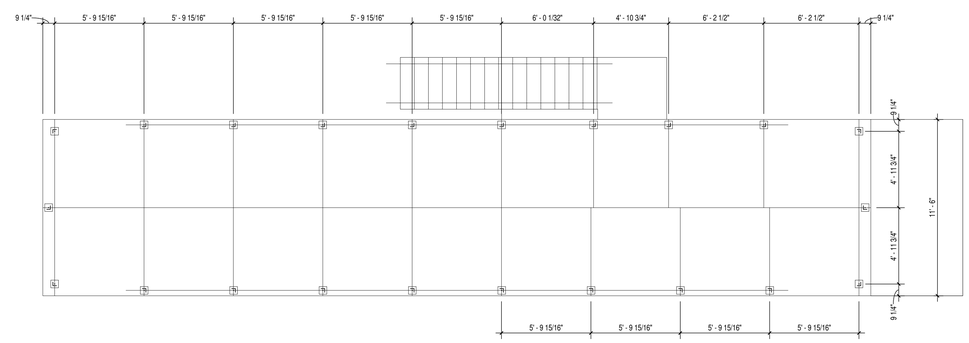
1 A203 GRANDSTAND
SCALE: 1/8" = 1'-0"



2 A203 GRANDSTAND FOUNDATION
SCALE: 1/8" = 1'-0"



3 A203 PRESSBOX PLAN
SCALE: 1/4" = 1'-0"



4 A203 PRESSBOX ROOF RAIL LAYOUT
SCALE: 1/4" = 1'-0"

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REVISIONS:
2 ADDENDUM #2 05-17-22

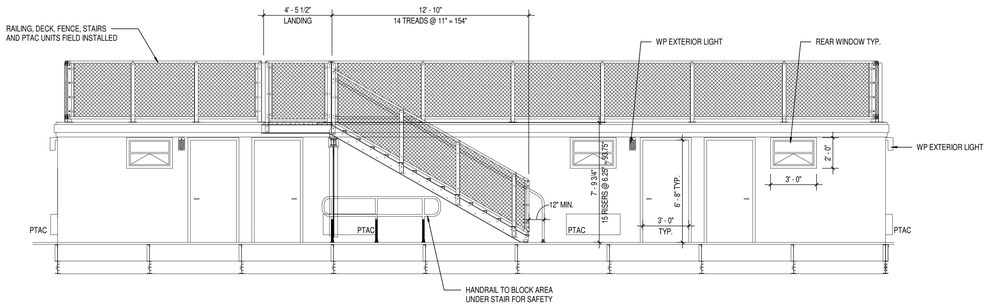
ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	ZER	-

DRAWING TITLE:
GRANDSTAND PLANS AND DETAILS

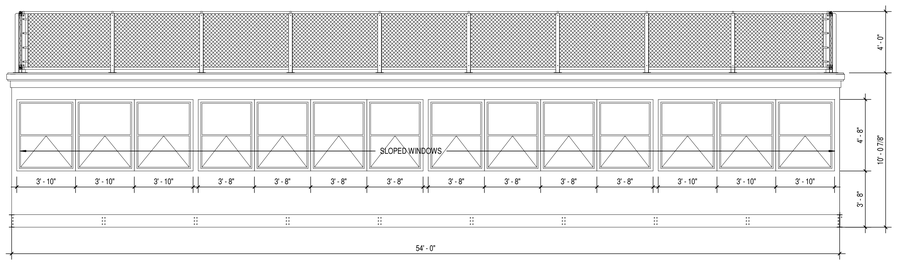
CERTIFIED BY:
JAMES ROBERT FUNK
REGISTERED No. AR00900003 STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A203

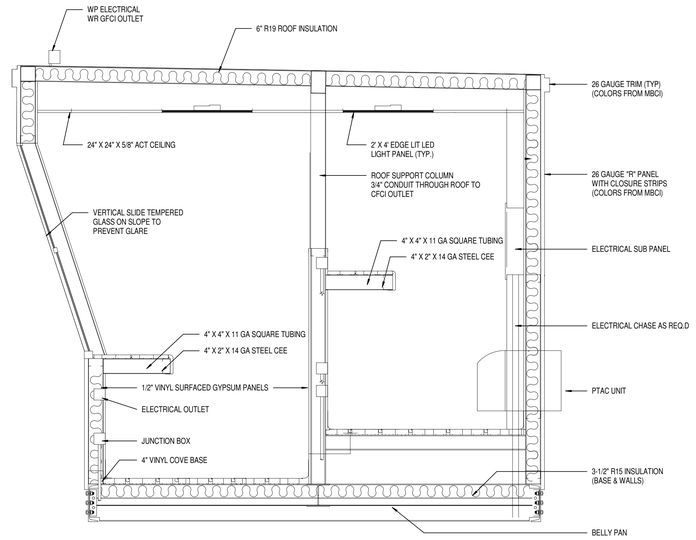
PROJECT NUMBER
2021026



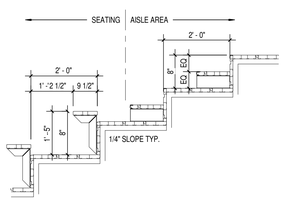
4 A204 PRESSBOX REAR ELEVATION
SCALE: 1/4" = 1'-0"



3 A204 PRESSBOX FRONT ELEVATION
SCALE: 1/4" = 1'-0"

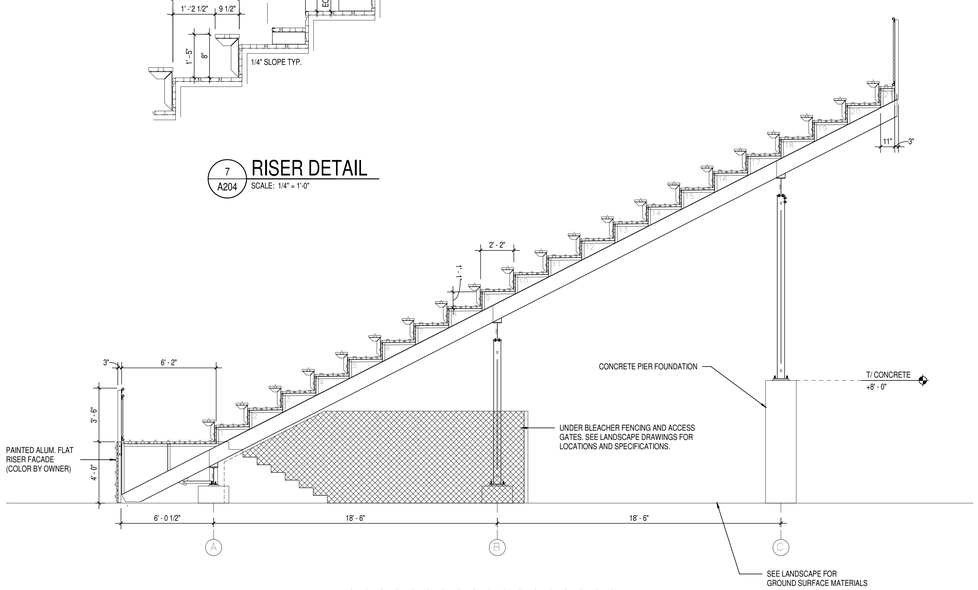


5 A204 PRESSBOX SECTION
SCALE: 3/4" = 1'-0"

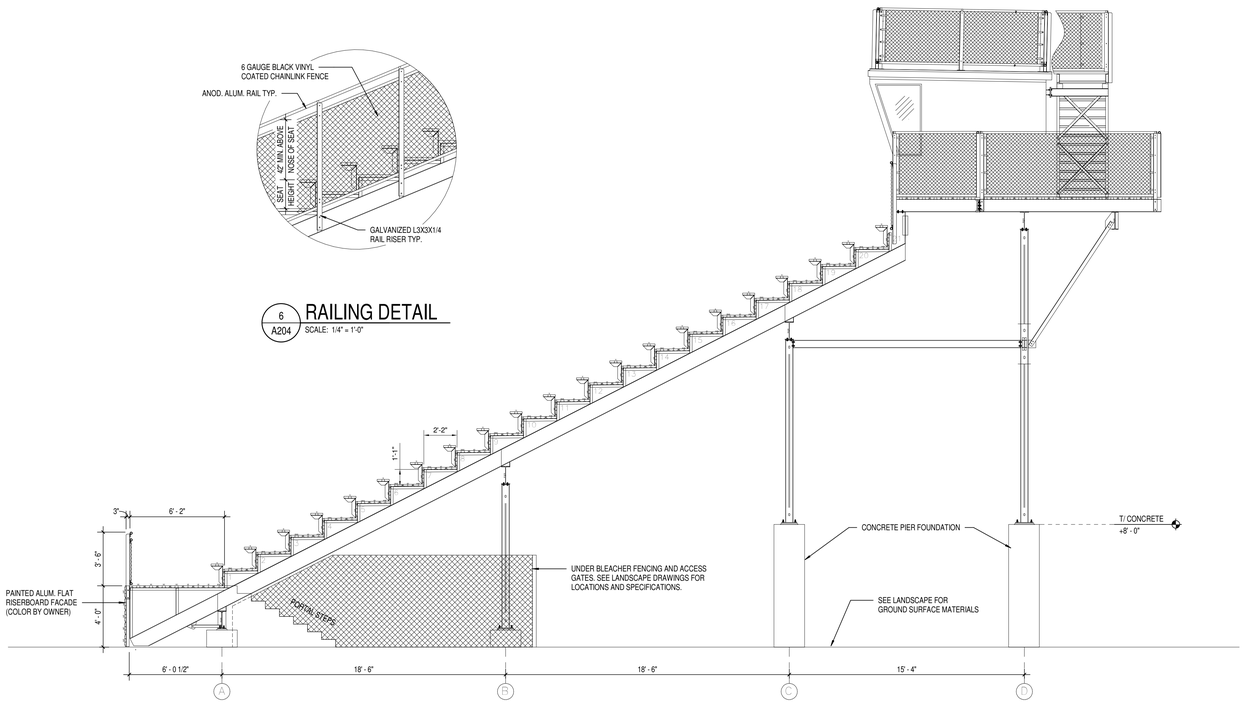


7 A204 RISER DETAIL
SCALE: 1/4" = 1'-0"

6 A204 RAILING DETAIL
SCALE: 1/4" = 1'-0"



1 A204 GRANDSTAND SECTION
SCALE: 1/4" = 1'-0"



2 A204 GRANDSTAND SECTION AT PRESSBOX
SCALE: 1/4" = 1'-0"

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REVISIONS:

2	ADDENDUM #2	05-17-22

ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	Author	-

DRAWING TITLE:
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CERTIFIED BY:
JAMES ROBERT FINK
REGISTERED
No. AR00900003
STATE OF INDIANA
ARCHITECT

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