

PROJECT SPECIFICATION MANUAL:

NORTH SCOTT HIGH SCHOOL TRACK RESURFACING



ISSUED: MARCH 26, 2024

NORTH SCOTT HIGH SCHOOL
251 E IOWA STREET
ELDRIDGE, IOWA 52748

00 00 10 – TABLE OF CONTENTS

DIVISION	SECTION TITLE
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DIVISION 00: PROCUREMENT AND CONTRACTING REQUIREMENTS

00 00 10	Table of Contents
00 11 13	Notice of Bid Letting
00 21 13	Instructions to Bidders
00 41 13	Bid Form
00 43 14	Bidder Status Form
00 45 13	Bidder's Prequalification
00 50 00	Contract Agreement
00 70 00	General Conditions

DIVISION 01: GENERAL REQUIREMENTS

01 25 00	Substitution Procedures
----------	-------------------------

DIVISION 32: TECHNICAL REQUIREMENTS

32 18 16	Resilient Track Resurfacing
32 18 17	Athletic Track Marking and Painting

DRAWINGS:

Existing Demo Notes
Proposed Site Layout
Proposed Site Details
Track Striping Layout
Track Striping Layout Alternate #1

NOTICE OF BID LETTING

NOTICE IS HEREBY GIVEN that sealed bids will be received at the North Scott Community School District Administration Office located at 251 East Iowa Street in Eldridge, Iowa until 2:00 P.M. CST on April 17, 2024 for the North Scott High School Track Resurfacing project.

The project consists of the resurfacing of the High School athletic track including, but not necessarily limited to, track surfacing repair, resilient resurfacing, lane lines and events markings including all materials, labor, and equipment necessary to complete the project.

Sealed bids will be publicly opened and read at the North Scott CSD Administration Office at 2:00 P.M. CST on April 17, 2024, or at such later time and place as may then be fixed. The Board of Education will meet in the Junior High on the 22 day of April at 6:30 p.m., or at such time and place as may then be fixed, for action upon bids received in accordance with the law and specifications.

Bidding documents may be examined and/or obtained for bidding purposes during normal business hours at the Administration office.

Each bidder submitting a formal bid shall accompany the bid with a Bid Security, in a separate envelope, as security that the successful bidder will enter into a contract for the work bid upon and will furnish after the award of the contract corporate surety bond or bonds, acceptable to the Owner, for the faithful performance of the contract, in an amount equivalent to one hundred percent of the amount of the contract. The bidder's security shall be five (5%) percent of the bid amount, and shall be in the form of a cashier's or certified check drawn on a bank in Iowa or a bank chartered under the laws of the United States of America, or a certified bank share draft drawn on a credit union in Iowa or chartered under the laws of the United States of America or a bid bond with corporate surety satisfactory to the Owner.

All bids shall be governed by applicable provisions in the Iowa Code and School Board Policies.

It is the intent of the Owner to award a contract to the lowest responsible bidder meeting specifications, provided the bid has been submitted in accordance with the bidding requirements. The Owner further reserves the right to reject any and all bids or any part thereof, and to waive any informalities or irregularities and enter into such contracts or contracts as shall be deemed in the best interest of North Scott Community School District.

Published by order of the Board of Education of the North Scott Community School District.

By: Joe Stutting
Title: Superintendent

END OF DOCUMENT 00 11 13

SECTION 00 21 13 – INSTRUCTIONS TO BIDDERS

1.1 Summary

- A. It is proposed under these specifications to provide for furnishing completely the contract requirements set forth in the drawings and specifications.
- B. The bidder is expected to base its bid on materials and equipment complying fully with the drawings and specifications. In the event that it bases its bid on materials and equipment, which do not so conform, the bidder will be held responsible for furnishing materials and equipment which conform fully at no change in its bid price.
- C. Each bidder, in submitting its bid, acknowledges its willingness to comply with the terms of these contract documents.

1.2 Bidder's Representations

- A. The bidder has read and understands the Bidding documents and Contract documents to the extent that documentation relates to the Work for which the Bid is submitted.
- B. The bid is made in compliance with the Bidding documents.
- C. The bidder has visited the site, become familiar with the conditions under which the work is to be performed.
- D. The bid is based upon the materials, equipment and products required by the Bidding documents without exception.

1.3 Bidding Documents

- A. Bidding documents may be examined and/or obtained for bidding purposes during normal business hours at the North Scott CSD Administration office located at 251 East Iowa Street in Eldridge, Iowa.
- B. If necessary, addenda will be issued prior to the bid opening. Addenda are the written or graphic documents that are issued which modify or interpret the bidding documents, including the drawings and specifications, by additions, deletions, clarifications or corrections. Addenda will become a part of the Contract Documents when the construction contract is executed.

1.4 Subcontractors

- A. It shall be duly noted that any person, firm or other party that is offered award of the subcontract under this contract:
 - 1. Shall be acceptable to the owner.
 - 2. Shall comply with the requirements of the Bidding documents, contract conditions and all technical specifications and drawings under this project and contract.

1.5 Bid Security

- A. A bid security in the form of a Bid Bond in the amount of 5% of the maximum amount of the bid proposal. The bid security shall be made payable to the Owner. Bidders shall submit the bid security separately in a sealed envelope labeled "BID SECURITY", separate from the envelope containing the bid proposal.
- B. The successfully bidder, upon failure or refusal to execute and deliver the contract and bonds required within 10 days after Notice of Award, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the bid security deposited with the bid proposal.
- C. The bid bonds will be returned after the Owner and the accepted bidder have executed the contract, or if no award has been made within 30 days after the bid opening, upon demand by the bidder at any time thereafter, as long as the bidder has not been notified of the acceptance of the bid.
- D. The bid bond form shall be AIA A310 and shall be executed by corporations authorized to contract as surety in the state of Iowa.

1.6 Governing Laws and Regulations

- A. Each Bidder shall familiarize himself with all state and local laws, codes, ordinances, and regulations which might in any manner affect the work to be done; the materials to be supplied; the taxes, permits and fees to be paid; or the labor to be employed in and about the work. Any claim of misunderstanding or ignorance on the part of any successful Bidder will not in any way excuse such Bidder from the necessity of full compliance with every such law, code, ordinance, or regulation. All state laws, codes and regulations and local ordinances, which are applicable, shall be complied with including but not limited to those specified in these documents

1.7 Iowa Sales Tax

- A. This Project is tax exempt. Owner will provide appropriate exemption certificates to applicable parties.

1.8 Substitution of Materials and Products

- A. All approved materials and products set forth in the bidding documents shall be included within each bidder's bid proposal.
- B. A substitution will not be considered unless a written request has been submitted to the Owner for review no less than (10) days prior to the bid opening. Refer to Section 012500 and any additional requirements contained within each individual specification section for substitution requirements.
- C. If the owner approves a proposed substitution, such approval will be set forth in an Addendum.

1.9 Bid Preparation

- A. Bidders shall submit the required Bid Form completely filled in with ink or typewritten, in both words and figures. The written words shall govern if a conflict is noted on the Bid Form. Any modification or alteration of the Bid Form may disqualify the Bidder.
- B. As indicated on the Bid Form, the bidder shall indicate the full name of the bidder, authorized principal's typed name and signature. A witness shall sign and print their name on the bid form. The Iowa contractor's license and Federal ID number shall be included within the Bid Form.
- C. Bidders shall include the Bidder Status Form with the sealed bid. Failure to include the Bidder Status Form with the bid may result in the bid being deemed nonresponsive and rejected.
- D. Submit the Bid Form in an opaque, sealed envelope, separate from the bid security. The outside of the envelope shall clearly identify the project name, bidder's name and Owner's name.
- E. Submit the bid security in a separate envelope attached to envelope containing the Bid Form. Label the envelope "BID SECURITY".
- F. Electronic submission of bids is allowed. Bidders shall submit the required Bid Form and Bid Security by email to Joe Stutting. The subject line shall read: "BID ENCLOSED – North Scott High School Track Resurfacing" and the email should be directed to Andy Hamman at andy.hamann@north-scott.k12.ia.us. It is the sole responsibility of the bidder to ensure receipt of the electronic submission by the school prior to bid opening.

1.10 Opening of Bids

- A. Sealed bids will be received at the North Scott Community School District Administration office located at 251 East Iowa Street in Eldridge, Iowa until 2:00 P.M. CST on April 17 2024 for the North Scott High School Track Resurfacing project, at which time bids will be publicly opened and read aloud.

1.11 Rejection of Bids

- A. The Owner reserves the right to waive minor irregularities and to reject any and all bids. The Owner reserves the right to reject a bid if the bidder failed to furnish any bid security or if the bid is in any way incomplete or been modified.
- B. The Owner reserves the right to reject any bid if the qualifications of the bidder fail to satisfy the Owner that the bidder is properly qualified to execute the contract requirements.
- C. The North Scott Community School District requires pre-qualification of the track surfacing installer for this project. Bidders must submit to the Owner a fully completed prequalification form contained within Section 32 18 16.04 Track Surfacing Pre-Qualification of the project manual, and be approved by the owner prior to bid opening. Failure to complete the form and obtain approval prior to bid opening may result in disqualification of Bidder.

1.12 Award of Contract

- A. The Owner shall award the contract to the lowest responsive, responsible bidder determined on the basis of the base bid and selected alternates, provided the bidder meets all requirements as set forth within the specifications.
- B. All bids will be governed by applicable provisions in the Iowa Code and Board Policies.

END OF DOCUMENT 00 21 13

DOCUMENT 00 41 13 - BID FORM - STIPULATED SUM

1.1 BID INFORMATION

- A. Bidder: _____
- B. Project Name: North Scott High School Track Resurfacing
- C. Project Location: 200 South 1st Street | Eldridge, IA 52748
- D. Owner: North Scott Community School District

1.2 CERTIFICATIONS AND BASE BID

- A. **BASE BID**, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by the owner and having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

_____ Dollars (\$_____)

- B. **BID ALTERNATE 1 – ADD TO BASE BID PRICE:** Layout/ install (3) 4 x 100 Meter Relay Exchange Zones in red as per plan sheet ALTERNATE 1.

_____ Dollars (\$_____)

- C. **UNIT PRICE ITEM #1:** Unit price per pound for materials and labor for two component polyurethane leveling materials:

_____ Dollars (\$_____)

- D. **UNIT PRICE ITEM #2:** Unit price per square yard for the added or reduced amount of track surfacing:

_____ Dollars (\$_____)

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety in the amount equal to 100% of the contract price as specified within 10 days after a written Notice of Award, if offered within 30 days after receipt of bids, and on failure to

do so agrees to forfeit to Owner the attached bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above.

- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned bid bond.

- C. Bidder Acknowledgements per the following:

The owner reserves the right to reject any and all proposals, waive irregularities in any proposal, and accept any proposal which it deems to be in its best interest of the Owner. The bidder has not directly or indirectly induced or solicited another Bidder to submit a false bid. The bidder has not sought by collusion to obtain for itself an advantage over another bidder or over Owner.

The bidder has visited the site and is familiar with all existing site conditions.

1.4 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified and fully complete by August 15th, 2024.

1.5 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

1. Addendum No. 1, dated _____
2. Addendum No. 2, dated _____
3. Addendum No. 3, dated _____
4. Addendum No. 4, dated _____

1.6 LICENSE

- A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in the State of Iowa, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.7 SUBMISSION OF BID

- A. Respectfully submitted this _____ day of _____, 2024.
- B. Submitted By: _____ (Name of bidding firm or corporation)
- C. Authorized Signature: _____ (Handwritten signature)
- D. Signed By: _____ (Type or print name)
- E. Title: _____ (Owner/Partner/President/Vice President)
- F. Witness By: _____ (Handwritten signature)

- G. By: _____(Type or print name)
- H. Street Address: _____
- I. City, State, Zip: _____
- J. Phone: _____
- K. License No.: _____
- L. Federal ID No.: _____(Affix Corporate Seal Here)

END OF DOCUMENT 00 41 13

Bidder Status Form

To be completed by all bidders

Part A

Please answer "Yes" or "No" for each of the following:

☐ Yes ☐ No

My company is authorized to transact business in Iowa.
(To help you determine if your company is authorized, please review the worksheet on the next page).

☐ Yes ☐ No

My company has an office to transact business in Iowa.

☐ Yes ☐ No

My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.

☐ Yes ☐ No

My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.

☐ Yes ☐ No

My company is not a subsidiary of another business entity or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder. Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a nonresident bidder. Please complete Parts C and D of this form.

To be completed by resident bidders

Part B

My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: _____ / _____ / _____ to _____ / _____ / _____

Address: _____

City, State, Zip: _____

Dates: _____ / _____ / _____ to _____ / _____ / _____

Address: _____

City, State, Zip: _____

Dates: _____ / _____ / _____ to _____ / _____ / _____

Address: _____

City, State, Zip: _____

You may attach additional sheet(s) if needed.

To be completed by non-resident bidders

Part C

1. Name of home state or foreign country reported to the Iowa Secretary of State:

2. Does your company's home state or foreign country offer preferences to resident bidders, resident labor force preferences or any other type of preference to bidders or laborers? ☐ Yes ☐ No

3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.

You may attach additional sheet(s) if needed.

To be completed by all bidders

Part D

I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: _____

Signature: _____ Date: _____

Worksheet: Authorization to Transact Business

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

- ☐ Yes ☐ No My business is currently registered as a contractor with the Iowa Division of Labor.
- ☐ Yes ☐ No My business is a sole proprietorship and I am an Iowa resident for Iowa income tax purposes.
- ☐ Yes ☐ No My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.
- ☐ Yes ☐ No My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.
- ☐ Yes ☐ No My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa secretary of state, has filed its most recent biennial report with the secretary of state, and has neither received a certificate of withdrawal from the secretary of state nor had its authority revoked.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa and a statement of cancellation has not been filed.
- ☐ Yes ☐ No My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state, and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa secretary of state that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa and the certificate has not been revoked or canceled.

SECTION 00 45 13 BIDDER'S PREQUALIFICATION

1.1 TRACK SURFACING PRE-QUALIFICATION SUBMITTALS (mandatory)

- a. Product Data sheet, including drawings and descriptions of products and fabrication and installation procedures.
- b. Samples of track surfacing product for substitution. 6" x 6" minimum sample.
- c. Name and address of polyurethane manufacturer.
- d. Manufacturer letter stating that installation company is an approved installer of proposed track surfacing system.
- e. Submit copy of manufacturer warranty.
- f. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
- g. Cost information, including a proposal of change, if any, in the Contract Sum.
- h. Contractor's certification that proposed substitution complies with requirements in the Contract Documents, except as indicated in the substitution request, is compatible with related materials and is appropriate for applications indicated.
- i. Submit fully completed track surfacing form to owner not less than 10 days prior to bid opening for owner review.
- j. Resilient surfacing contract must be a member of the American Sports Builders Association and submit certification.

1.2 TRACK SURFACING PRE-QUALIFICATION FORM

The track surfacing contractor shall properly complete the listed form and mail or fax or email to Owner no less than 10 days before the bid opening.

Name of Company _____

Address _____

City _____ State _____ Zip Code _____

Contact Person _____ Phone Number _____

Fax Number _____ Email Address _____

Iowa Contractor Registration number _____ - _____

Do you have any current litigation pending against you? _____

Is the claim covered by insurance? _____

Authorized Company Representative (please print) _____

Authorized Company Representative (signature) _____

FINANCIAL REFERENCE

Correct information is the responsibility of the provider. Listings that cannot be contacted shall not be included and may eliminate contractor from consideration.

Name of your Bank_____ Phone Number_____

Contact Person_____

TRACK INSTALLATION REFERENCES

Project #1

School or College Name:_____

Address_____

City_____ State_____ Zip Code_____

Contact Person_____

Phone number_____

Date of Installation_____

Project #2

School or College Name:_____

Address_____

City_____ State_____ Zip Code_____

Contact Person_____

Phone number_____

Date of Installation_____

Project #3

School or College Name: _____

Address _____

City _____ State _____ Zip Code _____

Contact Person _____

Phone number _____

Date of Installation _____

Project #4

School or College Name: _____

Address _____

City _____ State _____ Zip Code _____

Contact Person _____

Phone number _____

Date of Installation _____

Project #5

School or College Name: _____

Address _____

City _____ State _____ Zip Code _____

Contact Person _____

Phone number _____

Date of Installation _____

END OF DOCUMENT 00 45 13

SECTION 00 50 00 – CONTRACT AGREEMENT

1.1 Contract Agreement.

- A.** The Owner will issue a single construction contract between the Owner and Contractor for the project.

END OF DOCUMENT 00 50 00

SECTION 00 70 00 – GENERAL CONDITIONS

- 1.1 General conditions of contract.
 - A. AIA Document A201-2007 is the general conditions set forth between the owner and contractor. Document available upon request.

END OF DOCUMENT 00 70 00

SECTION 01 25 00 - SUBSTITUTION PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for substitutions.

1.2 DEFINITIONS

- A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.

1.3 ACTION SUBMITTALS

- A. Substitution Requests: Submit two copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.

1. Documentation: Show compliance with requirements for substitutions and the following, as applicable:
 - a. Product Data, including drawings and descriptions of products and fabrication and installation procedures.
 - b. Samples.
 - c. Certificates and qualification data, where applicable or requested.
 - d. List of similar installations for completed projects with project names and addresses. Include names and addresses of architects and owners.
 - e. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
 - f. Cost information, including a proposal of change, if any, in the Contract Sum.
 - g. Contractor's certification that proposed substitution complies with requirements in the Contract Documents except as indicated in substitution request, is compatible with related materials, and is appropriate for applications indicated.
2. Owner's Action: If necessary, Owner will request additional information or documentation for evaluation within seven days of receipt of a request for substitution. Owner will notify Contractor of acceptance or rejection of proposed substitution.
 - a. Forms of Acceptance: Change Order, Construction Change Directive, or Owner's Supplemental Instructions for minor changes in the Work.
 - b. Use product specified if Owner does not issue a decision on use of a proposed substitution within time allocated.

1.4 QUALITY ASSURANCE

- A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

PART 2 - PRODUCTS

2.1 SUBSTITUTIONS

- A. Substitutions for Cause: Submit requests for substitution immediately on discovery of need for change, but not later than 15 days prior to time required for preparation and review of related submittals.
 - 1. Conditions: Owner will consider Contractor's request for substitution when the following conditions are satisfied:
 - a. Requested substitution is consistent with the Contract Documents and will produce indicated results.
 - b. Requested substitution will not adversely affect Contractor's construction schedule.
 - c. Requested substitution has received necessary approvals of authorities having jurisdiction.
 - d. Requested substitution is compatible with other portions of the Work.
 - e. Requested substitution has been coordinated with other portions of the Work.
 - f. Requested substitution provides specified warranty.
 - g. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.
- B. Substitutions for Convenience: Not allowed.

END OF SECTION 01 25 00

SECTION 32 18 16 – SYNTHETIC TRACK RESURFACING

PART 1 - GENERAL

1.1 SUMMARY

A. This section includes the following:

1. The work to be performed under this section consists of furnishing all required labor, materials, equipment, and supplies required for the track resurfacing in accordance with these specifications.

This includes, but is not limited to, (1) removal and disposal off-site of existing surface from track oval and all field event areas, (2) evaluation of exposed asphalt base with Contractor and owner if necessary, to determine suitability in respect to grade, slope and structural stability to receive weight of equipment necessary for surface installation, (3) crack filling, and (4) application of the specified track surfacing system.

2. The system specified shall be a paved in place polyurethane bound base mat with structural spray. Black finish shall be the color.
3. Per Bid Alternate #1, the track surfacing finish coating shall be black with red installed at (3) exchange zone areas of the track per the plan sheet.

B. Related Sections include the following:

1. Section 32 18 17 Athletic Track Marking and Painting

1.2 DEFINITIONS

- A. IAAF: International Associations of Athletics Federations
- B. NFHS: National Federation of State High School Association
- C. SBR: Styrene-butadiene rubber.
- D. EPDM: Ethylene propylene diene monomer (rubber).

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show the following:
1. Lane lines and event markings.
- C. Samples for Initial Selection: For each type of track surface system indicated.
1. Include similar Samples of track surface system.
- D. Material Safety Data Sheets (MSDS) for all individual components of the product being installed.

- E. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).
- F. Maintenance Data: For track surface system to include in maintenance manuals.
- G. Warranty: Special warranty specified in this Section.

1.4 PERFORMANCE STANDARDS

The track surfacing system shall exhibit the following minimum performance standards as required by IAAF:

- A. Thickness: 12-13mm
- B. Force Reduction: 35 to 50%
- C. Modified Vertical Deformation 0.6 to 1.8mm
- D. Friction: >0.5 (47 TRRL Skid Resistance)
- E. Tensile Strength: >0.4 MPa
- F. Elongation at Break: > 40%

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by manufacturer. Minimum of 25 successful projects of this type and 5 projects in the last five years. Installation Company shall have a minimum of 10 installations in the state of Iowa of the same type of surface specified. All installations shall have been installed by the same company name.
- B. Contractor shall provide documentation that the installation company is an authorized installer the approved manufacturers and document that the installer has a minimum of (10) years' experience installing the specified system.
- C. All polyurethanes used must be manufactured by an ISO 9001 and ISO 14001 Certified company.

1.6 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit track surface system installation to be performed according to manufacturer's written instructions and warranty requirements.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of track surface system that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Reduction in impact attenuation.
 - b. Deterioration of surface and other materials beyond normal weathering.
 - 2. Warranty Period: five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Midwest Tennis and Track Company – Revolution SS
22 South Main PO Box 161
Denison, Iowa 51442
- B. Beynon Sports Surfaces – BSS 100
16 Alt Rd
Hunt Valley, Maryland 21030
- C. Stockmeier Urethanes USA, Inc -Stobitan SC
20 Columbia Boulevard
Clarksburg, WV 26301

2.2 MATERIALS

- A. Materials shall include:
 - 1. Polyurethane Primer. Shall be a polyurethane based primer specially formulated for proper adherence to asphalt and/or concrete for track surfacing system.
 - 2. SBR Crumb Rubber. The rubber granules for the base mat shall be SBR rubber processed and chopped to 1-3mm size, containing less than 1% dust. Color shall be black.
 - 3. Polyurethane Binder. The binder for the black mat shall be an MDI-based single-component, polyurethane binding agent. The binder shall not have a free TDI monomer level above 0.2% and must be solvent free.
 - 4. Structural Spray. The spray coating shall be a waterborne single-component, pigmented polyurethane, formulated for compatibility with EPDM granules. The coating shall be black.
 - 5. EPDM rubber. The rubber granules shall be EPDM peroxide cured, synthetic rubber with a specific gravity of 1.5 +/- 0.1 g/cm³. The EPDM rubber shall black in color.
- B. Manufacturer approved Installation companies:
 - 1. Midwest Tennis and Track Company: 22 South Main Street | Denison, IA 51442. (T) 712-263-3554.
 - 2. Fisher Tracks: 1192 235th Street | Boone, IA 50036. (T) (515) 432-3191
 - 3. Track Surfaces Company. 42 W 698 Falcon Lane St Charles, IL. (T) 630-365-2694.
 - 4. Beynon Sports Surfaces: 16 Alt Rd | Hunt Valley, Maryland
- C. Substitutions: For consideration, contractor shall comply per Section 321816.04 Track Surfacing Pre-Qualification. All required submittals shall be submitted to owner no less than 10 days prior to bid opening for review and consideration.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Contractor is limited to utilize a rubber track or rubber tire skid steer with an operating weight that doesn't exceed 12,000 pounds for removal of the existing surfacing. Equipment and/or vehicles that is in excess of 12,000 pounds is prohibited on the existing track and high jump areas. Upon removal of the existing surfacing, it is the responsibility of the contractor to verify the stability of the existing asphalt and/or concrete base for the installation of the track surfacing system. Contractor shall notify in writing to owner any stability issues and/or cracks found after the existing surfacing has been removed. If areas are found, then contractor and the owner's representative shall meet to determine the best method of correction. If additional work is required to repair/replace unstable existing asphalt and/or concrete base, then contractor shall provide in writing a formal change order to owner for approval. Contractor cannot proceed with additional work scope without owner's written approved change order.
- B. If required for leveling low areas/water pockets present in existing asphalt base, contractor shall provide unit price per pound for the labor and (2) component polyurethane materials used for areas present in existing asphalt base. Areas found upon owner and contractor site verification, shall be approved for by owner before any leveling/ repair of low areas can commence.
- C. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign residue. It is the responsibility of the Contractor to ensure that the surface is thoroughly clean in all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track surface.
- D. Minimum curing time for base prior to beginning of surfacing is 30 days for new asphalt paving and 30 days for new concrete (if required for project). No concrete curing compounds are allowed.
- E. Beginning installation stipulates track installer "accepts" existing conditions. Adhesion to the existing surface is the surfacing contractor's responsibility.

3.2 APPLICATION PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease or any other residue upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the General Contractor.
- B. Install protective plastic and tarps as needed at all surrounding areas for proper protection of possible overspray. Application of structural spray shall not commence if the wind conditions are greater than 15 mph. Extreme care shall be taken by contractor to protect all areas from overspray prior to commencing work.
- C. The entire area to be surfaced shall receive an application of polyurethane primer. Primer shall be applied uniformly at a rate of not less than .2 lbs./yd².
- D. Contractor shall mix black crumb rubber and polyurethane binding agent in an automated mixer specifically used for polyurethane surfacing. Automated mixer shall be equal to SMG Mixmatic

M6004. Install mixed materials with a SMG P928 or equal paver onto asphalt base to obtain both smoothness and compaction. Mat will be laid bay to bay, limiting length of each pass to avoid cold (cured) joints. Ensure a good joint by tack coating traverse joint from previous day's work at the beginning of each day's work. Polyurethane content of base mat is a minimum of 20% as determined by the overall weight of rubber granules per mix.

- E. Upon proper curing of the base mat, apply polyurethane prime coat.
- F. Apply with spray equipment two structural spray applications at a rate of 1.8 to 2.0 pounds per square yard per application. Place each coat in opposite directions.

3.3 LINE MARKING

- A. Measure and mark lines in accordance with National Federation of State High School Associations Current Rules, IAFF, and state rules. Submittal drawing required.
- B. Paint: as recommended by manufacturer.
- C. Refer to specification section 32 18 17 Athletic Track Marking and Painting.

3.4 PROTECTION

- A. Monitor relative humidity conditions and relative curing rates for each step of installation process until curing is complete.
- B. Restrict all traffic from surfaces until curing is complete.
- C. Protect installed materials from damage due to foot and/or vehicular traffic and deleterious weather.

END OF SECTION 32 18 16

SECTION 32 18 17 – ATHLETIC TRACK MARKING AND PAINTING

PART 1 - GENERAL

- 1.1 Track marking includes accurately calculating, surveying and painting lines, numbers and marks on the track to establish the location of starts, finishes, hurdle placement, relay exchange zones, acceleration starting points and other marks for the events to be stages on the running track and runways.
- 1.2 Drawings and general requirements of contract, including general and supplementary conditions, apply to this section
- 1.3 The intent of the specifications is to describe the construction desired, performance requirements, and standards of materials and construction for event pavement markings for both High School and Collegiate events.
- 1.4 Contractor shall furnish and install materials and perform all work and services for completed project described in Contract Documents.
- 1.5 The Contractor shall hire experienced, qualified personnel to calculate all markings and measurements to within plus/minus 0.01 feet and tabulate same in an organized manner for review by the Owner within three weeks after the award of the contract. The Contractor shall accomplish all calculations with software specifically developed for such purpose. All calculations shall be prepared in accordance with tolerances of the International Association of Athletics Federations (IAAF), and the National Federation of High Schools (NFHS).

PART 2 - SUBMITTALS

- 2.1 The Contractor shall submit, a minimum of three weeks before start of striping, the following for Owner approval:
 - A. List of events and corresponding recommended color for each event.
 - B. Striping plan indicating general locations of all markings and lane striping together with a color and symbol legend in accordance with the National Federation of State High School Associations Current Rules and State Rules.

PART 3 - LAYOUT AND MARKING PROCEDURES:

- 3.1 Paint used for track markings shall be a line marking paint used specially for painting lines on polyurethane running tracks, and shall be approved by the track surfacing manufacturer prior to use. The amount of paint used shall be as recommended by the manufacturer and shall result in

complete solid coverage. Paint shall be used directly from the original containers without thinning.

- 3.2 An air spray machine shall be used to apply paint. Operations will have to be suspended when winds are at a velocity that causes drift or overspray. During the track marking operations the Contractor shall keep areas clean where he is marking and handling materials and paint to minimize overspray and avoid spillage of excess materials onto the track.

PART 4 - MARKING NOMENCLATURE

- 4.1 Color coding and marking shall be patterned after the requirements of the National Federation of State High School Associations and State rules. Where there are options on color or type of marks, the Contractor shall notify the Owner of the available options. Large scale graphically appealing shapes and colors will be used generally consisting of the following:
- A. All lane lines shall be 2" wide (choice of colors).
 - B. All start and finish lines shall be 2" wide.
 - C. Isosceles triangles with a base width of 36" and 18" high with the base as the limits of the zone shall be used to mark exchange lanes.
 - D. Hurdle marks shall be 2" x 4" marks on both sides of the lane inside and contiguous to the lanes.
 - E. Lane numbers shall be 36" to 42" high in three locations.
 - F. Event identifications shall be 4" high letters located above and to the right of all start lines in lane two.
 - G. Acceleration marks shall be 6" circles.

PART 5 - LIST OF EVENTS

- 5.1 Events:
- 1. 100 meter Dash
 - 2. 200 meter Dash
 - 3. 400 meter Dash
 - 4. 800 meter Run
 - 5. 1500 meter Run, Waterfall Start (with 3 meter marks behind waterfall)
 - 6. 1600 meter Run, Waterfall Start (with 3 meter marks behind waterfall)
 - 7. 3000 meter Run, Waterfall Start (with 3 meter marks behind waterfall)
 - 8. 3200 meter Run, Waterfall Start (with 3 meter marks behind waterfall)
 - 9. Half waterfalls starting in lane #5 and proceeding to lane #8 for one turn stagger at common finish line area (with 3 meter marks behind waterfall)
 - 10. 100 meter Hurdles (Girls)
 - 11. 10-Flight Shuttle Hurdles (Girls)
 - 12. 110 meter Hurdles
 - 13. 10-Flight Shuttle Hurdles (Boys)
 - 14. 400 meter Hurdles
 - 15. 400 meter Relay
 - 16. 800 meter Relay
 - 17. 1600 meter Relay

18. 3200 meter Relay
19. Sprint Medley Relay (100-100-200-400)
20. Distance Medley Relay (200-200-400-800)

5.2 Coordinates list of events with the Owner prior to construction to confirm exact event striping needs. All track markings shall conform to National Federation of State High School Associations Current Rules and State Rules.

END OF SECTION 32 18 17

North Scott High
School
Lancer Stadium
200 1st ST
Eldridge, Ia 52748

Existing Demo Notes:

Contractor shall utilize
skid loaders and/or other
rubber tired equipment
that does not exceed a
loaded weight limit of
12,000 pounds fore
removal operations.

Trucks, vehicles and
equipment that weight in
excess of 12,000 pounds
are restricted from
driving, parking, staging
on the existing track.
Care shall be take during
the removal operations to
protect the existing
asphalt base as needed.

Contractor shall
remove and
legally dispose
existing
surfacing.

Contractor shall
remove and legally
dispose existing
surface.

Contractor shall remove
and legally dispose
existing
surface.

PROPOSED CONSTRUCTION NOTES:
All references to site details can be found on the proposed site details page from the drawing.

- 1

Upon removal of existing synthetic surfacing from track area, contractor shall fully clean existing asphalt and concrete base with pressure washer and power broom. Any spills (hydraulic fluid, diesel, motor oil, etc.) must be completely removed. Contractor shall flood test the existing asphalt base with water. If "bird baths" and/or low areas are present at a depth of $\frac{1}{8}$ " or greater, the contractor shall provide the estimated amount of pounds of 2-component polyurethane required to fill the low areas found to school district upon review. Upon all preparation of the existing asphalt and concrete, contractor shall apply primer and new 13mm polyurethane track surfacing system.
- 2

New 6" wide concrete curb constructed and installed by others in separate contract at interior track perimeter. Contractor shall install new track surfacing over new concrete curb per site detail 1.
- 3

Surfacing shall be installed over new concrete high jump area as shown. New concrete area shall be contracted by others and is not part of this contract. New concrete area shall be 6,633 square feet that new track surfacing shall be installed.
- 4

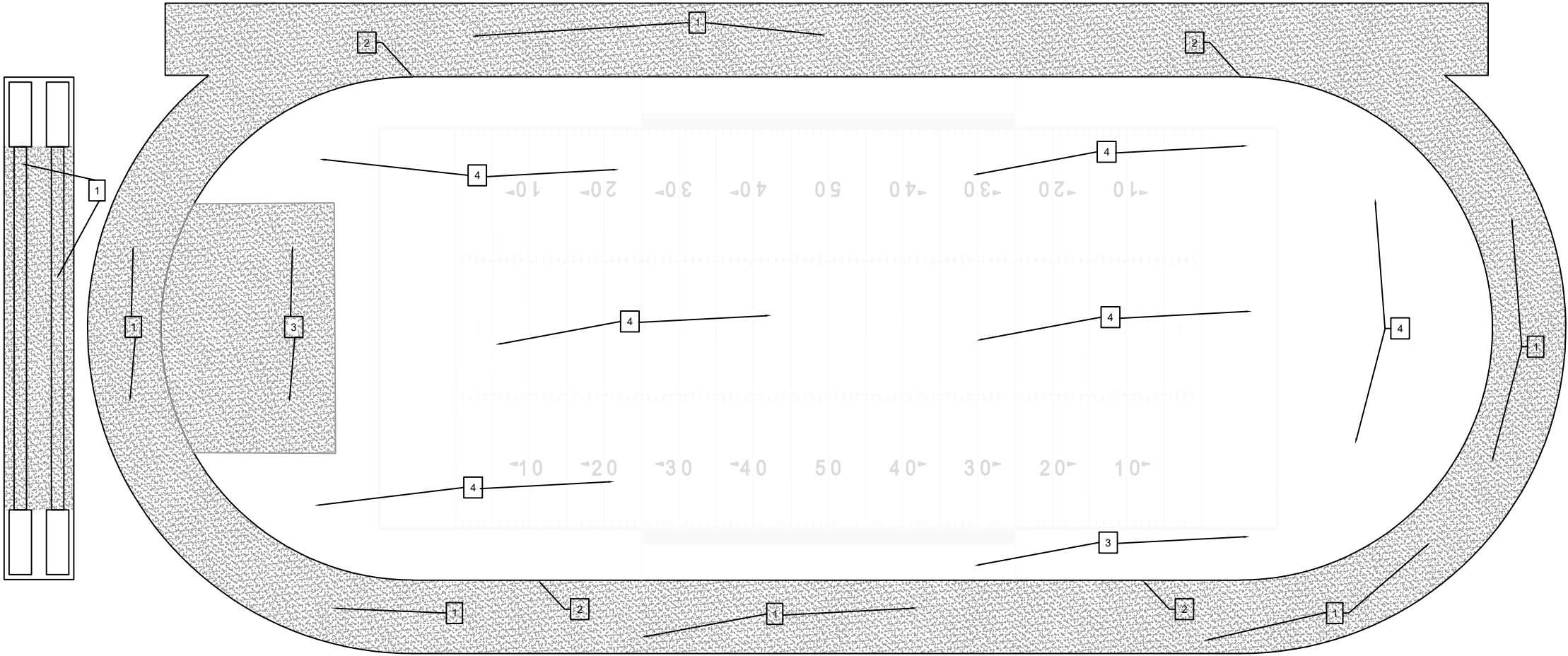
New synthetic turf system installed by others in separate contract. Contractor shall properly protect new synthetic turf system with necessary plastic, tarps and other measures as needed during the new track surfacing installation.

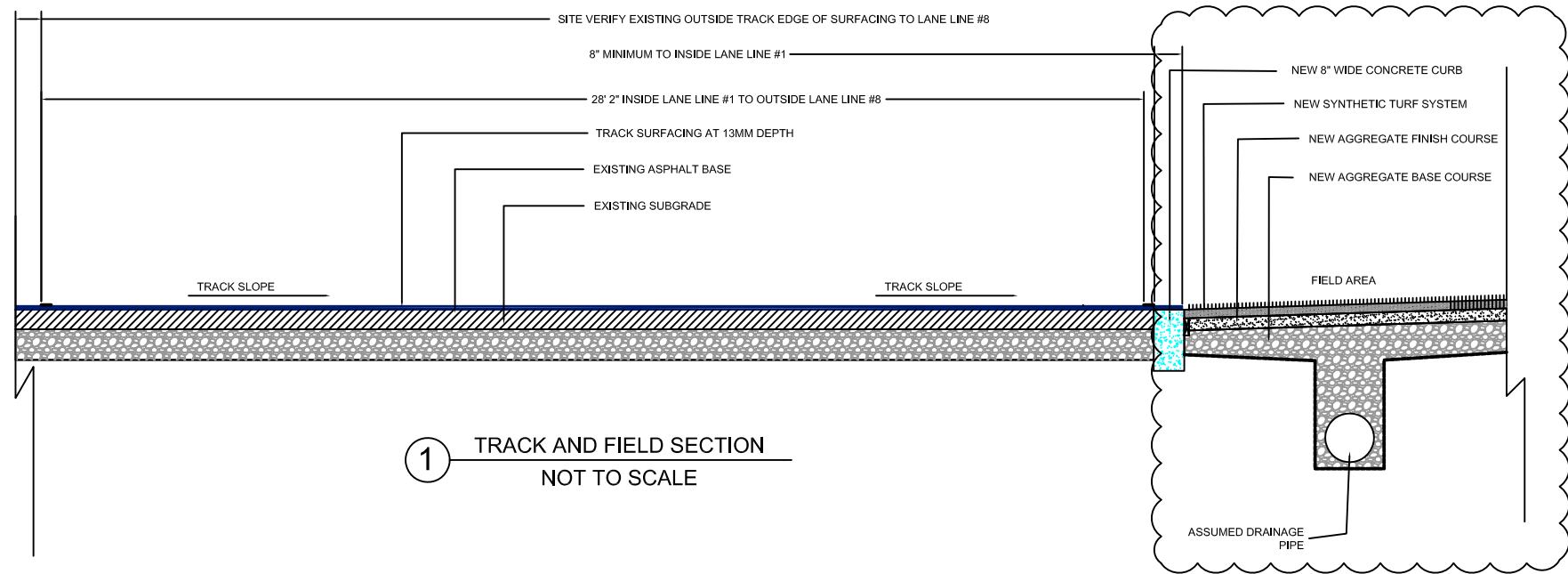
RESILIENT SURFACING NOTES:
Contractor shall review all existing conditions and figure all necessary quantities per plans and specs.

LEGEND

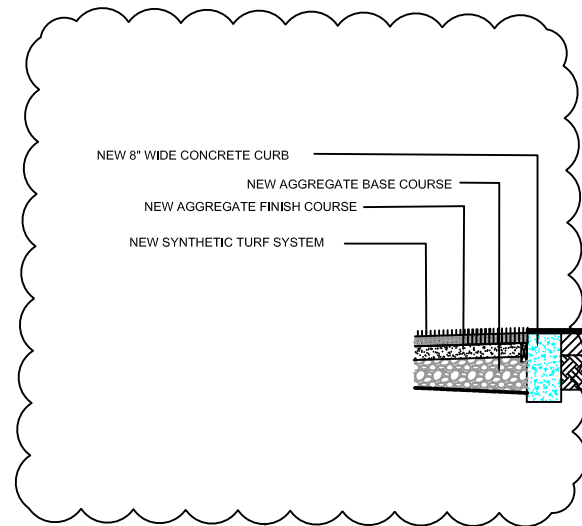
- 1

PROPOSED CONSTRUCTION NOTE
- PROPOSED POLYURETHANE TRACK SURFACING
- PROPOSED SYNTHETIC TURF FIELD
(ALL CONSTRUCTION INCLUDED IN SEPARATE CONTRACT)





1 TRACK AND FIELD SECTION
NOT TO SCALE

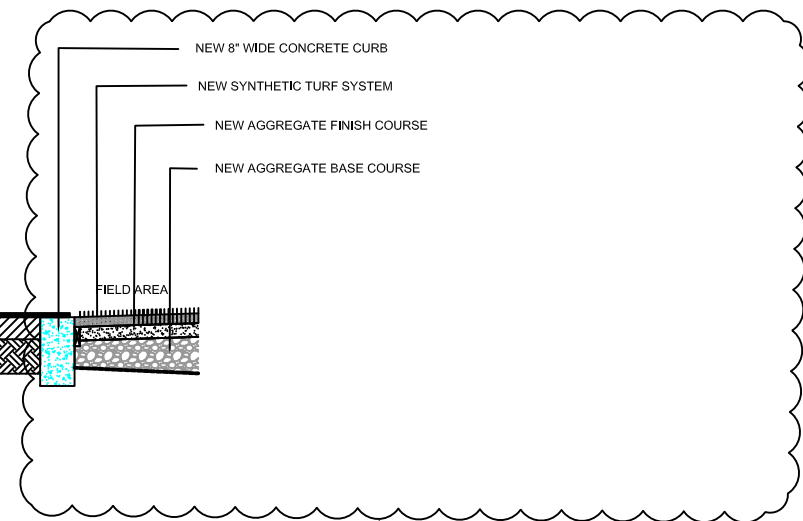


New synthetic turf field construction will be completed under separate contract. Work shall be completed prior to the new polyurethane track surfacing installation. Polyurethane surfacing shall be installed over completed concrete curb per detail and shall be included within work scope.

NEW 8" WIDE CONCRETE CURB
NEW AGGREGATE BASE COURSE
NEW AGGREGATE FINISH COURSE
NEW SYNTHETIC TURF SYSTEM

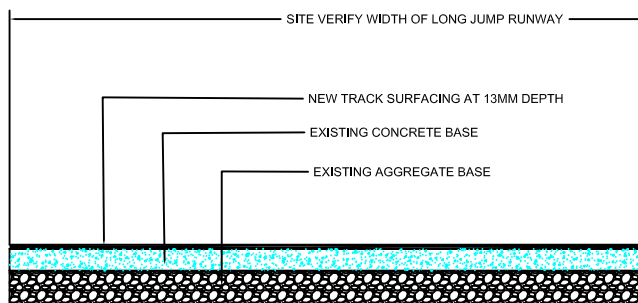
NEW HIGH JUMP SURFACING AT 13MM DEPTH
EXISTING ASPHALT BASE
EXISTING SUBGRADE

2 HIGH JUMP SECTION
NOT TO SCALE



New synthetic turf field construction will be completed under separate contract. Work shall be completed prior to the new polyurethane track surfacing installation. Polyurethane surfacing shall be installed over completed concrete curb per detail and shall be included within work scope.

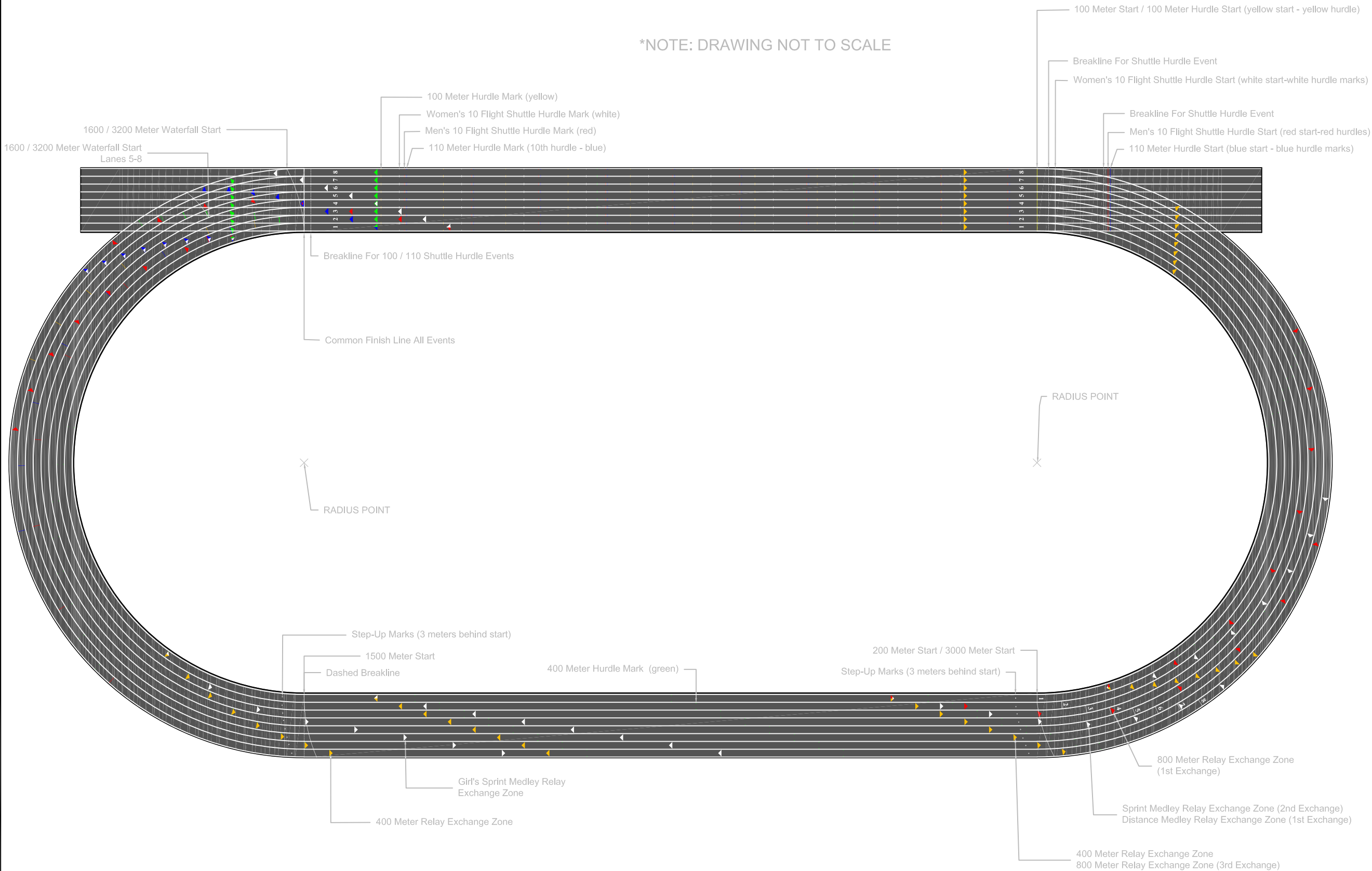
NEW 8" WIDE CONCRETE CURB
NEW SYNTHETIC TURF SYSTEM
NEW AGGREGATE FINISH COURSE
NEW AGGREGATE BASE COURSE



3 LONG JUMP RUNWAY AREA SECTION
NOT TO SCALE

New synthetic turf field construction will be completed under separate contract. Work shall be completed prior to the new polyurethane track surfacing installation. Polyurethane surfacing shall be installed over completed concrete curb per detail and shall be included within work scope.

ASSUMED DRAINAGE PIPE



TRACK STRIPING LAYOUT

Project Name:
North Scott

Revision

Date
3/06/2024

Sheet
4 of 4

