



Request for Proposals

Addendum No. 02

NEW SYNTHETIC TURF FIELD REPLACEMENT

for

RSU No. 22

March 26, 2018

To all Registered Bidders:

The following changes, additions, and/or deletions are hereby made a part of the Request for Proposals for the above noted project, fully and completed as if the same were fully contained therein. All other terms, conditions, and specifications of the original Request for Proposals remain unchanged.

- 1. Clarification:** The Owner will be replacing its existing lighting system with a new LED lighting system concurrently with the replacement of the synthetic turf field. The lighting contractor's installation will commence June 1, 2018 with final completion on August 15, 2018. The lighting contractor shall have access to the outside edge of the field adjacent to the existing retaining wall. Commencing from the retaining wall in an easterly direction towards the playing field, the Owner will allow a 30 foot wide strip to be utilized by the lighting contractor between June 1, 2018 and July 15, 2018 for installation of the lighting system.

The synthetic turf contractor shall cooperate with the Owner's lighting contractor for overlapping access requirements.

- 2. Question:** Technical Specifications, General Requirements, Quality Assurance, Synthetic Turf Manufacturer's Qualifications. Item 7. Can this be removed? Only two of the plan holders might have this certification.

Answer: The Owner has elected to remove this requirement. Please refer to the attached modified Request for Proposals (excluding attachments) for this deletion.

- 3. Question:** Technical Specifications, General Requirements, Quality Assurance, Quality Control in Manufacturing, Item 1. Can this be replaced with a 3rd party lab? This ensures that all products meet the true requirements of the spec.

Answer: The Owner has elected to add the option of a third-party inspector to this requirement. Please refer to the attached modified Request for Proposals (excluding attachments) for the inclusion of this language.

4. *Question:* Technical Specifications, Products, Synthetic Turf. Can we get a more detailed spec to ensure that turf companies are bidding products that are apples to apples?

- Face weight in oz? (suggestion minimum of 46oz)
- Number of layers required for the primary backing? (suggestion minimum of 3 layers)
- Urethane coating weight in oz? (suggestion minimum of 26oz)
- Pile height? (suggestion minimum of 2.5" pile height to ensure that Gmax doesn't exceed 165)

Answer: The Owner has elected to add the following specification:

- | | |
|--|------------------|
| ▪ Total weight | 72 oz/yd minimum |
| ▪ Face weight | 48 oz minimum |
| ▪ Finished pile height | 2 inches minimum |
| ▪ Number of layers for the primary backing | 2 minimum |

Please refer to the attached modified Request for Proposals (excluding attachments) for the inclusion of this language.

5. *Question:* Technical Specifications, Products, Seams. Suggestion remove hot melt and require all seams to be sewn to ensure durability.

Answer: The Owner has considered this suggestion and will not be modifying the specification.

6. *Question:* The extended border of this field, does this currently have an existing aggregate base or will the field extension be a brand new base?

Answer: The Owner has provided geotechnical information adjacent to the playing field for bidders to review in the RFP. It is the Owner's understanding that a local contractor, Sargent Corporation, participated in the construction of the field in 2004, and they may have additional information for bidders.

Attached is the modified Request for Proposals (excluding attachments) that incorporates all changes from both Addendum No. 1 and Addendum No. 2 for clarity.

- End of Addendum No. 02 -



RSU 22

**Request for Proposals
for
New Synthetic Turf Field Replacement
at
RSU No. 22
Hampden, Maine**

March 6, 2018



Camden, ME | Portland, ME | York, ME
207.236.9970 | www.cordjiacapitalprojects.com

TABLE OF CONTENTS

NOTICE TO SYNTHETIC TURF CONTRACTORS 3
 REQUEST FOR PROPOSALS..... 3
INTRODUCTION 4
BIDDER REGISTRATION; QUESTIONS; AMENDMENT OF RFP 4
PROPOSAL SUBMISSION 4
PROPOSAL EVALUATION PROCESS 6
TECHNICAL SPECIFICATIONS 6
 GENERAL REQUIREMENTS 6
 Related Documents..... 6
 Scope of Work..... 6
 Submittals 8
 Shop Drawings 8
 Quality Assurance 8
 Schedule..... 10
 Surface Area 10
 Utilities 10
 PRODUCTS..... 10
 Synthetic Turf..... 10
 Infill Material..... 11
 Seams 11
 Lines and Markings 11
 Shock Absorbency (G-Max Testing) 12
 Manufacturers 13
 EXECUTION..... 13
 General..... 13
 Installation 13
 Field Markings..... 13
 Clean Up..... 14
OTHER EQUIPMENT, TURNOVER MATERIALS, AND TRAINING 14
 EQUIPMENT TO BE PROVIDED 14
 TURNOVER MATERIALS TO BE PROVIDED 14
 RSU NO. 22 TRAINING TO BE PROVIDED 15
ATTACHMENTS..... 15

NOTICE TO SYNTHETIC TURF CONTRACTORS

REQUEST FOR PROPOSALS

Regional School Unit No. 22 ("RSU No. 22") is requesting proposals from Turf Contractors ("Contractors") interested in providing services for the removal and recycling of its existing synthetic turf field and installing a new synthetic turf field with field markings as part of its Athletic Complex Renovation at Hampden Academy in Hampden, Maine.

This Project consists of the removal and recycling of the existing synthetic turf field and the purchase, installation, warranty service, and maintenance of a new approximate 102,000 square foot synthetic turf field with extended border utilizing a non-crumb rubber infill. RSU No. 22's intent is to award the contract on or about April 16, 2018 and installation is scheduled to commence June 20, 2018 with substantial completion on or before August 8, 2018.

RSU No. 22 will hold a non-mandatory site visit on March 19, 2018 at 1:00 p.m. EST at which time general issues associated with the Project and the RFP process will be discussed. RSU No. 22 will provide reasonable access to the Project site during the proposal preparation period to verify and evaluate existing condition. Should a proposer anticipate needing additional Project site access, it shall provide RSU No. 22's point of contact, Regan Nickels 207.862.3255, with no less than three days' notice and RSU No. 22 will endeavor to provide such access.

The detailed Request for Proposals may be accessed and downloaded at www.rsu22.us. Proposals must be received no later than 2:00 p.m. EST at the office of the Superintendent of Schools on April 3, 2018, at which time they will be read aloud. Proposals received after this time will not be accepted.

As bid security, proposals must be accompanied by a certified or cashier's check for 5% of the proposal or a satisfactory bid bond (Section 2-C1) in a similar amount.

The selected Contractor will be required to furnish a 100% contract performance bond and a 100% contract payment bond to cover the execution of the work which shall be in conformity with the form of bonds contained in Section 2-C of the specifications and for the contract amount.

RSU No. 22 reserves the right at its sole discretion to waive any informality or irregularity in any bid, to reject any and all bids, to award a bid wholly or in part, to call for re-bid, and to negotiate with any Submitter, if it is deemed to be in the best interest of RSU No. 22 to do so.

All completed proposals, submittals, and accessory documents should be mailed or delivered to:

Superintendent of Schools
c/o Regan Nickels, Assistant Superintendent for Business and Operations
RSU No. 22
24 Main Street North
Hampden, ME 04444

INTRODUCTION

Regional School Unit No. 22 ("RSU No. 22") is requesting proposals from Turf Contractors ("Contractors") interested in providing services for the removal and recycling of its existing synthetic turf field and installing a new synthetic turf field with field markings as part of its Athletic Complex Renovation at Hampden Academy in Hampden, Maine ("Project"). The synthetic turf field will be used for football, field hockey, soccer, and softball.

This Project consists of the removal and recycling of the existing synthetic turf field and the purchase, installation, warranty service, and maintenance of a new playing field with the same dimensions as the existing playing field, plus additional areas of new synthetic turf field to create a border. The new synthetic turf field shall utilize a non-crumb rubber infill.

RSU No. 22 recognizes that there are many different types of synthetic turf and infills and that each of these bring unique qualities to the overall playing experience. As such, this Request for Proposals ("RFP") requests information on synthetic turfs that do not utilize crumb rubber.

BIDDER REGISTRATION; QUESTIONS; AMENDMENT OF RFP

Contractors interested in responding to this RFP are advised to register with RSU No. 22 in order to receive direct updates regarding the RFP. To register, send an email to rnickels@rsu22.us with the subject line "RSU No. 22 Field Turf RFP Registration."

Any questions regarding this RFP shall be submitted by email to rnickels@rsu22.us not later than March 23, 2018 at 2:00 p.m. EST. RSU No. 22, in its discretion, may respond to questions. All responses will include the original question and be distributed directly to registered parties by email and otherwise made publicly available. RSU No. 22 reserves the right to amend the RFP. Any responses to questions or amendments to the RFP will be issued not later than March 27, 2018.

PROPOSAL SUBMISSION

Proposals must be received no later than 2:00 p.m. EST on April 3, 2018. Proposals received after this time will not be accepted. RSU No. 22 reserves the right to contract in the best interest of RSU No. 22, and to reject any and all bids at any time prior to award.

RSU No. 22 will consider only written proposals submitted in hard copy, and all responses to this RFP must be made in accordance with the specifications as set forth herein. Failure to adhere to any specifications contained herein may be cause for your proposal to be rejected.

Contractors shall submit five (5) paper copies and one (1) electronic copy on a thumb drive. Proposals must be sealed in a package marked with the name and address of the Contractor. RSU No. 22 will date stamp the package with the submission date and the submission time. In addition, the sealed package in which the proposal is submitted should be labeled "Athletic Complex Renovation: Synthetic Turf Field Proposal". Facsimile responses will not be accepted.

All completed proposals, submittals, and accessory documents should be mailed or delivered to:

Superintendent of Schools
c/o Regan Nickels, Assistant Superintendent for Business and Operations
RSU No. 22
24 Main Street North
Hampden, ME 04444

Responsive written proposals shall contain the information required below:

1. Cost
 - a. Completion of Section 2-B1, Proposal Form for Contractors (Attachment D).
 - b. A payment schedule.

2. Product
 - a. Submit all required product data that is identified in the technical specifications, plus additional information as appropriate including specific data produced by the Contractor illustrating performance of the product for the various program elements required herein.
 - b. Submit a 12" x 12" raw sample of proposed synthetic turf, and same box sample with infill material.
 - c. Submit an 8 oz. bag of proposed infill material.
 - d. Submit a copy of testing data on proposed product.
 - e. Submit sample 8 year warranties on fiber, manufacturer, and installation (total of three).
 - f. Submit a project reference for each product proposed, including the name of the owner and facility, description of the product installation including size and value, date installed, name and title of project contact, and current phone number or email address.

3. Experience
 - a. Describe your firm's history.
 - b. Identify your firm's principal office location(s), include information identifying annual volume, financial/bonding capabilities.
 - c. Identify your firm's/ team's experience with synthetic turf.
 - d. Identify the firm's success in installing synthetic turf in the Northeast with similar requirements and schedule.

4. Key Personnel for the Project
 - a. Provide an organizational chart (by name and title as available) for implementing and managing the Project, including the responsibilities of each individual and their availability and show the lines of authority within the overall organization.
 - b. Identify your proposed key personnel and their specific experience with synthetic turf system installations of this size.
 - c. Identify their role and success in constructing projects with similar requirements and schedules.
 - d. Provide the names, addresses and phone numbers of three client project owners to be used as a reference for each of the key personnel, as well as the contact information (including email) for each key person identified.

5. Coordination and Management Techniques
 - a. Describe your firm's approach to the management and administration of onsite construction activities to address coordination of scheduling and performing the work related to installing the synthetic turf field (i.e., quality control, shipping, staging, and logistics with regard to supply, storage, and handling of products and equipment to perform work).
 - b. Demonstrate an understanding of RSU No. 22's need to maintain work areas and to continue to use adjacent buildings and parking areas concurrent with construction activity.
 - c. Identify construction activity required to maintain safe user access to continued operation of the adjacent spaces.

6. Testing
 - a. Describe and submit Lisport wear testing for the product being proposed.
 - b. Include the date of the test and the fiber appearance for the categories of "Good" and "Hair-Splitting". The proposed products should have 100% of their results in these two categories. If your product has not been tested, then please indicate as so.

PROPOSAL EVALUATION PROCESS

RSU No. 22 reserves the right at its sole discretion to waive any informality or irregularity in any bid, to reject any and all bids, to award a bid wholly or in part, to call for re-bid, and to negotiate with any Contractor, if it is deemed to be in the best interest of RSU No. 22 to do so.

As part of the evaluation process, the Contractor may be required to attend one or more meetings with RSU No. 22 for the purpose of clarifying materials/products, services and pricing, and may be required to appear at a RSU No. 22 School Board meeting.

The selection process may include requests for additional information from individual Contractors regarding the proposed materials, products, scope of services, pricing and product specifications.

The selected Contractor will be required to enter into a standard School services agreement, Section 2-E, (included in Attachment D) that includes project specifications, including insurances, performance measures, hold harmless and other risk related matters identified by RSU No. 22.

TECHNICAL SPECIFICATIONS

GENERAL REQUIREMENTS

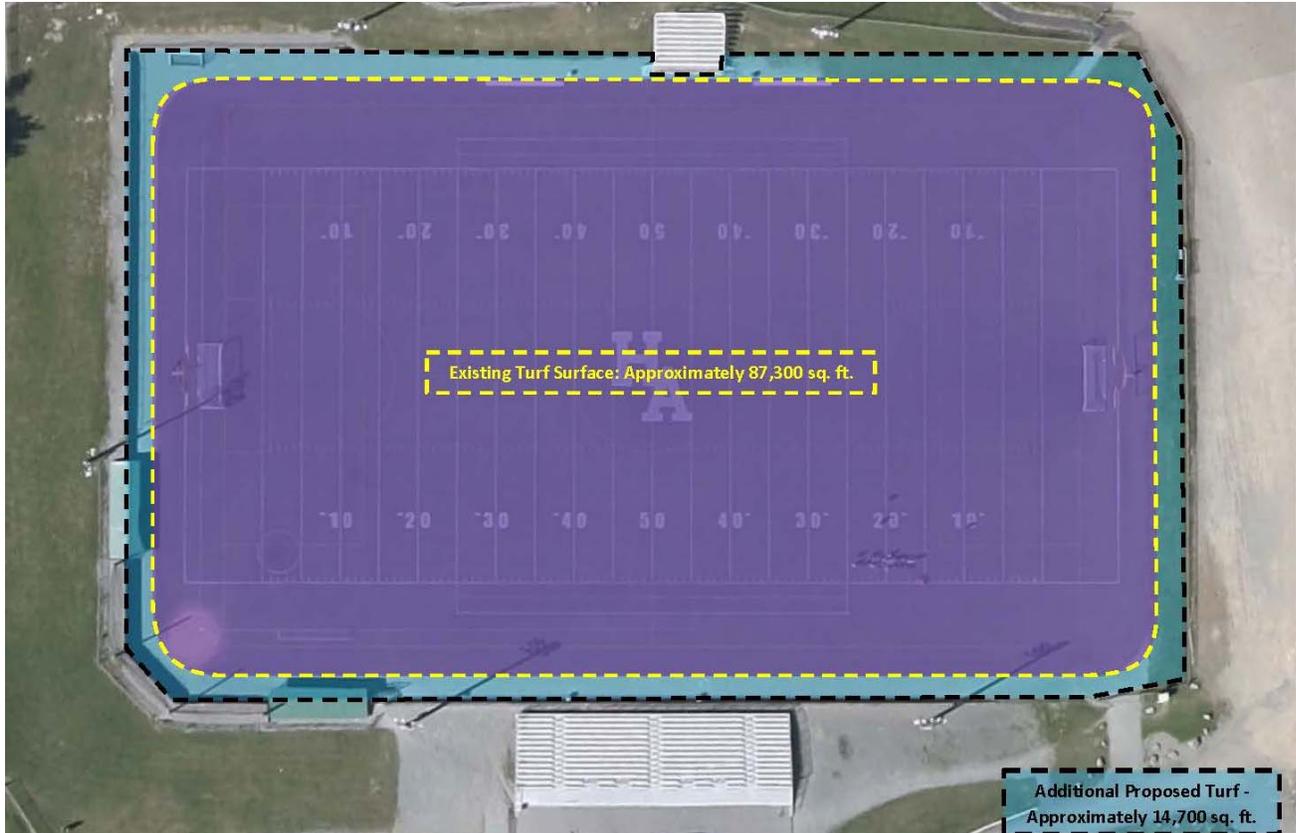
Any bids that propose a project that does not conform to the specifications may be rejected as nonresponsive. For example, proposals that utilize crumb rubber infill will be rejected.

Related Documents

Drawings and general provisions of the Contract, including General and Supplementary Conditions, apply to this section.

Scope of Work

The sports field and extended border to which the new synthetic turf will be applied is approximately 102,000 square feet.



The selected Contractor will be required to furnish all labor, materials, tools, and equipment necessary for the recycling and removal of the existing field and complete installation of new synthetic turf field and extended synthetic turf border as indicated on all plans, required warranty, and maintenance services as specified herein. The installation of all new materials shall be performed in strict accordance with the Manufacturer's written installation instructions, and in accordance with all approved shop drawings.

Prior to order of materials, the Contractor shall submit the following:

1. Product data, including Independent laboratory test results.
2. FIFA preferred producer verification information (if relevant).
3. Installation details.
4. Product samples.
5. Sample warranty.
6. Field layout and striping plans.
7. Details on construction, especially any details that may deviate from plans and specifications.

The Contractor shall laser grade the aggregate base and roll the surface for compaction and planarity after the removal of the synthetic turf and the extended synthetic turf border. The intent is to recreate the existing grade and planarity while maintaining a smooth uniform surface. If additional aggregate base is required, the Contractor will provide the materials delivered to the site. Coordinate work and confirm tolerances and approval with Owner's Representative prior to turf installation.

Prior to Final Acceptance, the Contractor shall verify payment to sub-contractors and suppliers through lien releases and submit to RSU No. 22 three (3) copies of Executed Warranty Documents and Maintenance Manuals, which will include necessary instructions for the proper care and preventative maintenance of the synthetic turf system, including painting and striping.

Submittals

Prior to ordering of materials, the Contractor shall submit the following:

1. 12" x 12" raw sample of proposed synthetic turf, and same box sample with infill material.
2. 8 oz. bag of specified infill material.
3. Copy of testing data on proposed product.
4. Sample 8 year warranties on fiber, manufacturer, and installation (total of three).
5. Product warranty.
6. Details on construction, especially any details that may deviate from plans and specifications.

Prior to the beginning of installation, the manufacturer and Contractor of the synthetic turf shall supply a Certificate of Base Acceptance for the purpose of obtaining manufacturer's warranty for the finished synthetic playing surface.

Prior to Final Acceptance, refer to Section on Other Equipment, Turnover Materials, and Training for additional Submittals required.

Shop Drawings

Shop drawings shall be prepared at the scale of the construction documents and contain all pertinent information regarding installation. These drawings shall be submitted to the Owner's Representative for approval prior to the manufacturing and shipment of materials.

Submit drawings for:

1. Seaming plan.
2. Installation details, edge detail, goal post detail, other inserts, and covers.
3. Striping plan showing any field lines, markings and boundaries, and field logos in accordance with the project drawings.

Quality Assurance

Contractor's Experience

1. The Contractor shall have the experience of at least 25 acceptable installations of full-size football or soccer fields (minimum 70,000 square feet) ~~globally~~ within the past five (5) years of tufted or woven, polyethylene, grass-like fabrics that are filled with either all rubber or a mixture of SBR rubber and sand.
2. The Contractor shall employ only qualified, experienced supervisors and technicians skilled in the installation of the synthetic turf system.
- ~~3. The Contractor shall be a FIFA Preferred Producer or Qualified Distributor.~~
4. The Contractor shall perform a quality assurance check at completion.
- ~~5. The Contractor must be a member of the Synthetic Turf Council.~~

Synthetic Turf Manufacturer's Qualifications

1. Shall be experienced in the manufacturing and installation of specified type of infilled synthetic turf systems for a minimum of five (5) years.
2. The manufacturer must be able to demonstrate its manufacturing efficiency with regards to quality, environment and safety management systems.
- ~~3. The manufacturer must be a FIFA Preferred Producer.~~
- ~~4. Shall have a minimum of 50 FIFA 2-Star recommended fields globally.~~
- ~~5. Shall have a minimum of 250 FIFA certified fields worldwide.~~
- ~~6. The manufacturer must be licensed by all of the following major international governing bodies: FIFA, International Rugby Board ("IRB"), and International Hockey Federation ("FIH").~~
- ~~7. Shall have ISO 9001, ISO 14001, and OSHA 18001 certifications.~~

Quality Control in Manufacturing

1. The manufacturer shall have full-time certified in-house inspectors or a third-party inspector of the manufacturing process that are experts of the industry standards.
2. The manufacturer's full-time in-house certified inspectors or a third-party inspector shall perform pre-weaving fiber testing on tensile strength, elongation, tenacity, denier, shrinkage, and twist i.e., turns per inch, upon receipt of fiber spools from fiber manufacturer.
3. Primary backing shall be inspected by the manufacturer's full-time certified in-house inspectors or a third-party inspector before weaving begins.
4. The manufacturer's full-time in-house certified inspectors or a third-party inspector shall verify "pick count", yarn density in relation to the backing, to ensure the accurate amount of face yarn per square inch.
5. The manufacturer's full-time, in-house, certified inspectors or a third-party inspector shall perform turf inspections at all levels of production including during the tufting process and at the final stages before the turf is loaded onto the truck for delivery.
6. The manufacturer shall have its own, in-house laboratory or a third-party laboratory where samples of turf are retained and analyzed, based on standard industry tests, performed by full-time, in-house, certified inspectors or a third-party inspector.

Warranty

1. The Contractor shall submit their Manufacturer's Warranty, which guarantees the usability and playability of the synthetic turf system for its intended uses for an eight (8) year period commencing with the date of Substantial Completion.
2. The warranty submitted must have the following characteristics:
 - a. Must provide full-field coverage for eight (8) years from date of Substantial Completion.
 - b. Warranty must state that the average G-Max of the play area will not exceed 165 for the life of the warranty.
 - c. Must warrant materials and workmanship.
 - d. Must warrant that the materials installed meet or exceed the product specifications within manufacturing tolerances.
 - e. Must have a provision to either repair or replace such portion of the installed materials that are no longer serviceable to maintain a serviceable and playable surface.
 - f. Must be a Manufacturer's warranty from a single source and a total of three warranties: 1) covering workmanship and all self-manufactured or procured materials; 2) a fiber warranty; and 3) an installation warranty.
 - g. Guarantee the availability of replacement materials for the synthetic turf system installed for the full warranty period.

RSU No. 22 reserves the right to request the addition of a bonded warranty to the specified scope of the work at a cost to be negotiated with the low bidder. Said cost shall be the direct cost of the insurance policy only and shall exclude any markup from the Contractor.

Schedule

The Contractor shall complete all work on the synthetic turf system in accordance with the following project schedule, and in compliance with manufacturing procurement times as mutually agreed upon and identified in final contract negotiations.

1. Award contract: April 16, 2018
2. Commence sitework and installation of synthetic turf system: June 20, 2018
3. Substantial completion: August 8, 2018
4. Final completion: August 15, 2018

The Contractor shall be afforded unencumbered access through the construction site to reach the synthetic turf field and turf border area being installed.

Surface Area

The Contractor is to verify all measurements.

Base acceptance will be based on planarity of $\frac{1}{4}$ " tolerance over a 10 foot straight edge. Deviations from this tolerance are to be corrected by the Contractor.

Utilities

RSU No. 22 will supply necessary water and electricity for installation.

PRODUCTS

Synthetic Turf

All components and their installation method shall be designed and manufactured for use on outdoor athletic fields. The materials, as hereinafter specified, should be able to withstand full climate exposure in Hampden, Maine, be resistant to insect infestation, rot, fungus and mildew; to ultra-violet light and heat degradation, allowing free movement of surface run-off where such water may flow to the sub-base and into the field drainage system.

The finished playing surface shall appear as mowed grass with no irregularities and shall afford excellent traction for conventional athletic shoes of all types. The finished surface shall resist abrasion and cutting from normal use. The installed system shall be ideal for football, field hockey, soccer, lacrosse, softball, PE classes, intramurals, and recreational use. All football five yard lines, as well as soccer and football boundary lines, will be factory tufted in the approaching rolls to meet the required field layout and dimensions as noted in the drawings.

The turf shall be a durable monofilament or dual-fiber material which shall be attached by tufted or woven weave or bunching. Fibers of mixed shapes or enhanced turf binding are preferred for natural appearance and feel.

The turf shall meet the following specifications:

- Total weight 72 oz/yd minimum
- Face weight 48 oz minimum
- Finished pile height 2 inches minimum
- Number of layers 2 minimum

The Owner desires alternating shades of green every 5 yards.

The Contractor shall provide manufacturer testing results of the selected turf for the following categories and ASTM or other standards:

Yarn Density	ASTM D 1907
Yarn Breaking Strength	ASTM D 2256
Pile Height, weight	ASTM D 5848
Primary Backing Weight	ASTM D 5848
Coating weight	ASTM D 5848
Stitches per inch	ASTM D 5848
Turf Bind	ASTM D 1335
Grab Tear Strength and width	ASTM D 5034
Impact Attenuation (G-max)	ASTM F 355
Permeability with infill	ASTM DIN 18-035
Flame Resistance	ASTM F 1551

Infill Material

The infill system shall provide a safe, highly playable system similar in play, performance and feel to the best natural grass system.

The infill system shall consist of 50% recycled EPDM and 50% rounded silica sand. Contractor may submit an alternate product as long as it is a non-crumb rubber infill.

The rubber shall be installed in 1/8 inch lifts by a drop or broadcast spreader and brushed using a sweeper to fill the voids between the fibers and allow the fibers to remain vertical and non-directional.

Seams

All panel seams shall be sewn using heavy nylon thread or glued using 360 degree hot melt bonding, or approved alternate system. Seams shall be flat, tight, and permanent with no separation or fraying.

Lines and Markings

The field dimensions required are as follows:

Football:	120 yards in length	53 1/3 yards in width
Soccer:	120 yards in length	68 yards in width
Field Hockey:	100 yards in length	60 yards in width

All perimeter lines and five yard lines will be tufted in. The five yard lines will be tufted on the outside edge of the 15 foot wide rolls. The perimeter white line shall be tufted into the individual sideline rolls and measure 3 feet. The coaches box shall be 10 feet solid white with a 12 foot players box, solid purple with white border, behind it. The end zones will be purple with no lettering. The center logo will be 28 feet and inlaid as shown below:



Standard 6 foot by 4 foot yard numbers will be White Gettysburg font. All markings, lettering, and lines not tufted in shall be inlaid and comply with all currently applicable National Federation of State High School Association (“NFHS”) rules and/or any other rules or standards.

Football markings shall be white and be tufted in to include side lines, end lines, 5-yard lines, goal lines, extra point lines, kick-off lines, and coach/player boxes.

Soccer markings shall be yellow and be tufted in to include side lines, end lines, 6-yard boxes, corner kick markings, center circle markings, and penalty kick marks.

Field hockey lines shall be tufted in and purple in color.

Softball lines shall be tufted in and white in color (foul lines, home plate circle, and batter’s boxes).

Inlaid markings that cannot be tufted into the fabric shall be installed by removal of the existing green fiber and bonding the field markings to seaming tape in the same manner as the seams. The fiber tips shall be equal in height to the surrounding green turf and not create a raised area on the playing surface.

Shock Absorbency (G-Max Testing)

Near substantial completion of the synthetic turf fields, the Contractor shall test for shock absorbency. The Contractor shall coordinate testing to be conducted by an independent testing laboratory accredited for such tests (who shall be pre-approved by RSU No. 22). The tests shall be performed at no additional cost to RSU No. 22. All testing and analysis of findings shall be completed by qualified persons utilizing correct techniques. The laboratory shall provide the necessary testing data to RSU No. 22 that verifies the finished field meets or exceeds the required shock attenuation as determined by the ASTM F355A and F1936 test procedures. The field shall not exceed an average G-max of 125 at completion; and the Contractor shall warrant the field to not exceed a G-max of 165 for the 8 year warranty period. Any test results that do not meet the requirements of this specification or if any one test value is greater than ten percent (10%) greater in variance, then the Contractor shall address the failed test area, be required to retest the entire field as stated above, and conform to these requirements prior to the issuance of the certificate of substantial completion. Retesting costs will be borne by the Contractor.

Manufacturers

Only Manufacturers with the ability to supply synthetic turf in strict accordance with the product specifications and installation specifications will be considered for the award.

EXECUTION

General

The installation shall be performed in full compliance with approved shop drawings.

Only factory-trained technicians, skilled in the installation of athletic caliber synthetic turf systems working under the direct supervision of the synthetic turf manufacturer's installation supervision, shall undertake the placement of the system.

The surface to receive the synthetic turf shall be inspected and certified by the turf manufacturer as ready for the installation of the synthetic turf system and must be perfectly clean as installation commences and shall be maintained in that condition throughout the process.

Installation

The Contractor shall thoroughly inspect all materials delivered to the site both for quality and quantity to assure that the entire installation shall have sufficient materials to maintain the schedule.

Synthetic turf shall be loose laid across the field, stretched, and attached to the perimeter edge in detail in accordance with the Manufacturer's standard procedures. Turf shall be of sufficient length to permit full cross-field installation. No head or cross seams will be allowed, except as required for inlaid fabric striping or to accommodate programmed cut-outs.

All seams, except for inlaid markings, shall be sewn or bonded by hot melt adhesive in accordance with the Manufacturer's recommendations. All seams shall be flat, tight, and permanent with no separation or fraying. Inlaid markings shall be adhered to a special tape with a high strength polyurethane adhesive applied in accordance with the Manufacturer's standard procedures for outdoor applications.

Infill materials shall be installed in accordance with the Manufacturer's standard procedures. The infill material shall be installed to a depth in order to achieve specified G-max requirements. The Contractor shall provide an adequate size trash dumpster on site during the duration of the project. The trash container shall not be allowed to overflow and shall be dumped regularly. Demolished materials and trash shall not be placed on the ground around or about the trash dumpster. The Owner's Representative shall determine the location of the trash dumpster. RSU No. 22's trash containers shall not be used for disposal.

Field Markings

Game markings, lettering, and logos will be installed in accordance with the approved project shop drawings.

All designs, markings, layouts and materials shall conform to all currently applicable National Federation of State High School Associations rules and/or other standards that may apply to this type of synthetic turf installation.

Clean Up

Contractor shall provide the labor, supplies and equipment as necessary for final cleaning of surfaces and installed items.

All usable remnants of new material shall become the property of RSU No. 22.

The Contractor shall keep the area clean throughout the project and clear of debris, utilizing a job site dumpster.

The surface and project site shall be cleaned as necessary to leave the work area in a clean, immaculate condition ready for immediate occupancy and use by RSU No. 22.

OTHER EQUIPMENT, TURNOVER MATERIALS, AND TRAINING

EQUIPMENT TO BE PROVIDED

Contractor shall supply prior to the required training and completion, one field groomer and one sweeper. Sweeper to have a debris collection attachment that shall pick up 1/4" diameter (and larger) material, but leave infill material. The groomer shall have plastic brushes and metal tines that are adjustable.

TURNOVER MATERIALS TO BE PROVIDED

Contractor shall provide the following prior to final acceptance by the RSU No. 22:

1. The manufacturer's written warranty for the Project, per the minimum requirements identified in this specification section. The Contractor shall submit manufacturer's written warranty and ensure that forms have been completed in RSU No. 22's name and registered with manufacturer and insurance carrier. Evidence acceptable to RSU No. 22 confirming that the third party insurance policy, non-cancelable and pre-paid, is in effect covering this installation, and underwritten by a Best "A" rated insurance carrier. Evidence acceptable to RSU No. 22 that insurance carrier conforms to all insurance requirements set forth in this RFP and that each policy is in full force and premiums paid.
2. Three (3) copies of Maintenance Manuals, which will include the necessary instructions for the proper care and preventive maintenance of the synthetic turf system, including painting and striping.
3. The Contractor shall provide the necessary testing data to the Owner's Representative that the finished field meets or exceeds the required shock attenuation property (G-Max).
4. Project record documents including the actual locations of seams and other pertinent information.
5. Supply three – 50 gallon wheeled totes filled with infill material used on the field.
6. Seaming Tape – 200 linear feet.
7. Seaming Adhesive– 6 Caulk Tubes of TurfBond or equal adhesive.
8. Turf – 15' x 10' solid green section of playing field turf.
9. 4" Wide x 10' Long section of each color used as inlays.

RSU NO. 22 TRAINING TO BE PROVIDED

Contractor shall provide a minimum four (4) hour field training to RSU No. 22 on how to care for the field. At a minimum, this training shall include a demonstration of how to care for the field with the provided groomer/sweeper, address use of the sweeper and groomer, review the entire provided maintenance manual (including the proper procedure for removal of gum and other debris) and answer any questions.

ATTACHMENTS

Attachment A – Proposed Field Turf Replacement Overview as prepared by Cordjia Capital Projects Group dated February 14, 2018

Attachment B – Overall Site Plan and Site Civil Details as prepared by Atlantic Resource Consultants dated March 1, 2018

Attachment C – Geotechnical Report as prepared by Summit Geoengineering Services dated March 1, 2018

Attachment D – State of Maine Division 00 – Procurement and Contracting Requirements

Section 1.

1-A Instructions to Bidders

Section 2.

2A Notice to Contractors

2B-1 Proposal for General Contractor

2-C1 Bid Bond for General Contractor

2-C2 Performance Bond for General Contractor

2-C3 Payment Bond for General Contractor

2-E General Contractor Agreement

Section 3.

3-A State of Maine Standard General Conditions

Attachment A
Proposed Field Turf Replacement Overview as prepared by
Cordjia Capital Projects Group dated February 14, 2018

Attachment B
Overall Site Plan and Site Civil Details as prepared by
Atlantic Resource Consultants dated March 1, 2018

Attachment C
Geotechnical Report as prepared by
Summit Geoengineering Services dated March 1, 2018

Attachment D
State of Maine Division 00 – Procurement and Contracting Requirements