

**Request for Proposals
For
Synthetic Turf Multi-Use Project
for
San Rafael City Schools
RFQ/P #24-23B**

The purpose of this request is for San Rafael City Schools ("District") to receive comprehensive proposals from synthetic turf companies to supply and install new synthetic turf at James B Davidson Middle School. Included in this contract will be fine grading / leveling as needed to achieve required planarity on the field base, and the complete installation of a new drainage/shock pad and the new turf product (including the identified field of play lines and markings).

Included in the project contract, but priced separately, shall be a regular maintenance contract that shall be in effect for the duration of the product warranty (which shall be not less than 10 years from date of field acceptance) and replacement of high wear areas (soccer penalty spot and lacrosse goal mouth) every two years.

The District intends to award a single contract to the selected Turf Company thru a Joint Power Authority (JPA) Program, such as Sourcewell, Omnia, or equivalent acceptable public purchasing program.

The tentative project schedule for construction is as follows:

Start of turf installation for Davidson MS (DMS): August 1, 2025
Completion, No Later than September 15, 2025

The District reserves the right to shift project schedules by site with appropriate advance notice to the Turf Company.

San Rafael City Schools (hereinafter called "District") may assess liquidated damages of \$500 (five hundred dollars) per calendar day for late completion of any of the project work, including corrective work. See list below for sequence of work.

The approximate synthetic turf field areas are noted for the respective fields. Respondents are responsible for verifying final quantities.

The selected Turf Company will be required to adequately protect the areas outside the replacement turf areas (i.e. existing all-weather track surfacing, perimeter paving, fencing, site furnishings, etc.) such that no damage occurs to areas not included in the project improvements.

The contract will generally include the following work:

1. Supply and installation of selected turf product, including USA Soccer, and Little league compliant permanent markings as noted for baseball, flag football and for soccer, as well as identified other field markings as noted on the drawings.
2. Minor fine tuning and leveling of the field base as needed to correct any minor imperfections created during the turf installation operations. Turf Company shall exercise not extensive compacting or overworking of the base material. Intent is just to smooth out any identified inconsistencies in the grade due to operations related to the installation of the new turf product.
3. Field area to receive geotextile fabric and a 1-inch-thick shock pad. Refer to specifications.

DAVIDSON MIDDLE SCHOOL TURF INSTALLATION PROJECT

4. The project may include some incidental services and work that may be considered “routine maintenance repairs,” including some of the work required to install the new field surface.
5. All annual field maintenance, inspection and testing as noted in this proposal document.
6. Refer to the synthetic turf specifications for additional information.

The Turf Company shall be responsible for walking the project sites if deemed necessary prior to submitting a proposal to ensure they have an accurate understanding of the existing conditions and the scope of the project.

The proposed turf field has the following quantities: 91,556 SF

All respondents must have the following insurance policies in place during the time of construction:

The District requires at least the following insurance coverage from the selected developer:

COMMERCIAL GENERAL LIABILITY	Product Liability and Completed Operations, Fire Damage Liability – Split Limit	\$5,000,000 per occurrence; \$10,000,000 in aggregate
AUTOMOBILE LIABILITY – ANY AUTO	Combined Single Limit	\$1,000,000
WORKERS’ COMPENSATION		Statutory limits pursuant to State law
EMPLOYER’S LIABILITY		\$1,000,000
BUILDER’S RISK (COURSE OF CONSTRUCTION)		Issued for the value and scope of Work.
POLLUTION LIABILITY		\$1,000,000 per claim; \$2,000,000 aggregate

The limits of insurance for those subcontractors whose scope of work does not exceed One million dollars (\$1,000,000) shall not be less than the following amounts:

COMMERCIAL GENERAL LIABILITY	Product Liability and Completed Operations, Fire Damage Liability – Split Limit	\$2,000,000 per occurrence; \$4,000,000 in aggregate
AUTOMOBILE LIABILITY – ANY AUTO	Combined Single Limit	\$1,000,000
WORKERS’ COMPENSATION		Statutory limits pursuant to State law
EMPLOYER’S LIABILITY		\$1,000,000

The certificate holder is:

San Rafael City Schools
310 Nova Albion Way
San Rafael, California 94903

Interested Turf Companies are invited to submit one signed electronic proposal to Tim Ryan, Senior Director of Strategic Facility Planning (Email bondprogram@srcs.org) and cc copies to Wes Downing and Devin Conway of Verde Design (email addresses are wes@verdedesigninc.com and devin@verdedesigninc.com).

All proposals must be received no later than **3:00 p.m.** on or before **Friday, November 22, 2024.**

This RFP is not a request for bids or an offer by the District to contract with any party responding to this RFP. In addition, no reimbursement for expenses incurred or time spent will be made. All submittals and information contained therein provided at an interview or in the proposal package shall become the property of the District. San Rafael City Schools is expecting to select the preferred product no later than **December 17, 2024.** The selection will be overall value driven, and will not be solely based on price, though the price discrepancy may be considered.

Please provide detailed information for each item in the Synthetic Turf Selection Criteria table which is included in this document. The District may base its selection on those criteria, as well as the following relevant criteria:

1. Price
2. Corporate Financials
3. Materials Proposed
4. Experience
 - a. With proposed product
 - b. Crew installation
 - c. Local installations
5. Warranty
6. Customer Service
7. References
8. Other criteria deemed pertinent by the District

The Turf Company is to propose their best product for the given use and specified requirements.

Any questions should be sent for responses no later than **November 15, 2024.** All questions shall be sent via email to Tim Ryan, Senior Director of Strategic Facility Planning (Email bondprogram@srcs.org) and cc copies to Wes Downing and Devin Conway of Verde Design (email addresses are wes@verdedesigninc.com and devin@verdedesigninc.com).

PROPOSAL SUBMITTAL

Included in the proposal package shall be the following information:

1. Synthetic Turf Selection Criteria document, including required supporting third party test data and information requested in the document, including the following:
 - a. List of all complete installed fields with specified product, including those in California (This list may be limited to the forty (40) **most recent** completed installations)
 - b. Proposed Foreman resume(s) as applicable
 - c. Company turf warranty for this specific project, including insurer information
 - d. Corporate financial information
 - e. End of Life Recycling Plans
 - f. Post-Consumer Recycled Content
 - g. Heavy metals & material content

- h. Certification that no PFAS compounds are used in the manufacturing of any of the turf materials, including the infill materials, and that testing of all turf products from clip samples at the manufacturing facilities, both individually and collectively, will result in results that can fall below all current PFAS testing thresholds.
2. Proposed product and pricing on completed Proposal Form

See Exhibit A for Additional Contract Documents. The following documents are required to be completed and included with the submitted proposal:

1. 1 Proposal Form
2. Designation of Subcontractors
3. Non-Collusion Declaration.
4. Iran Contracting Act Certification (for bids over \$1,000,000)
5. Workers' Compensation Certification
6. Prevailing Wage and Related Labor Requirements Certification.
7. Drug-Free Workplace Certification
8. Criminal Background Investigation Certification

See Exhibit B for Site Drawings and Field Marking / Striping requirements at the project site.

SECTION 32 18 13

SYNTHETIC TURF PLAYING FIELD

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. It shall be the responsibility of the successful turf contractor to provide all labor, materials, equipment and tools necessary for the complete installation of a synthetic grass material, as called out in the RFP and this specification section.

1.02 JOB CONDITIONS

- A. Contractor shall be responsible for reviewing the base and ensuring it conforms to the project requirements prior to placement of the synthetic turf.
- B. Playing field subgrade preparation shall be completed and accepted by the District's Representative prior to commencement of Work under this Section.

1.03 REFERENCES

- A. ASTM Standard Test Methods:
 - 1. D1335 - Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings
 - 2. D1577 - Standard Test Method for Linear Density of Textile Fiber
 - 3. D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering
 - 4. D4491 - Standard Test Methods for Water Permeability of Geotextiles by Permittivity
 - 5. D5034 - Standard Test Method of Breaking Strength and Elongation of Textile Fabrics (Grab Test)
 - 6. D5848 - Standard Test Method for Mass Per Unit Area of Pile Yarn Floor Covering
 - 7. F355 - Standard Test Method for Shock-Absorbing Properties of Playing Surfaces.
 - 8. F1015 - Standard Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces
 - 9. F1936 - Standard Test Method for Shock-Absorbing Properties of North American Football Field Playing Systems as Measured in the Field
- B. Current USA Soccer rules and local little league rules as applicable.

1.04 SUBMITTALS

- A. The turf manufacturer shall submit a project specific letter on the company letterhead certifying that the products of this section meet or exceed all specified requirements, and state that the installer has complied with the qualifications above and is certified by the manufacturer to install this type of synthetic turf.
- B. Submit Drawings for:
 - 1. Seaming plan.
 - 2. Installation details; edge detail, utility box detail, etc.

3. Field Layout and Striping Plan (including field colors), including field line layouts (including colors), etc.
 4. The Turf Manufacturer shall submit color samples for approval for all color and/or logo work, including final electronic versions of artwork.
- C. Certified copies of independent (third-party) laboratory reports on ASTM tests as follows:
1. Pile Height, Face Width & Total Fabric Weight, ASTM D5848
 2. Primary & Secondary Backing Weights, ASTM D5848
 3. Tuft Bind, ASTM D1335
 4. Grab Tear Strength, ASTM D5034
 5. Water Permeability, ASTM D1551
 6. Flame Resistance, ASTM F1551
 7. Tuft Yarn Tensile Strength and Elongation, ASTM D2256
- D. One 12" square of the proposed product fibers, including one for each fiber color.
- E. Submit a copy of the 10-year (minimum), prepaid, non-prorated, third-party insured warranty and insurance policy information.
- F. PFAS Certification as called out in the RFP document.

PART 2 MATERIALS

2.01 INFILL SYNTHETIC TURF

- A. Shall be the following (50mm minimum tall PE fibers, extruded with both monofilament and slit film) preapproved product:
1. FieldTurf Vertex Core, with infill rates of Cork (1.1 lbs) and Sand (4.5 lbs).
Contact is Andrew Rowley, Reginal Vice President, Ph. No. (707) 586-8873.
 2. The preapproved products shall meet the following criteria at a minimum:

N/A	Pile Yard type	UV-Resistant Polyethylene
N/A	Yarn Structure	Dual Fiber (Ridged Monofilament and Fibrillated Slit-Film)
ASTM D1577	Fiber Denier	min. 14,000 (mono) / 5,000 (slit)
ASTM D3218	Tape Thickness (in microns)	> 380 (mono) / > 130 (slit)
ASTM D2256	Yarn Breaking Strength	min. 21 lbs
ASTM D5823	Pile Height	min. 2.0" (50mm)
ASTM D5793	Stitch Gauge	3/4"
ASTM D5848	Pile Weight	min. 39 oz/square yard
ASTM D5848	Total Backing Weight	min. 21 oz/square yard
ASTM D5848	Total Weight (without infill)	min. 60 oz/square yard
ASTM D1335	Tuft Bind (Without Infill)	min. 8 lbs
ASTM D5034	Grab Tear (Width)	min. 200 lbs/force
ASTM D5034	Grab Tear (Length)	min. 200 lbs/force
ASTM D4491	Carpet Permeability	>40 inches/hour
ASTM F355A	Impact Attenuation (Gmax)	<160
	Infill Material Depth	1.25 inches (min.)

2.02 TURF PRODUCT REQUIREMENTS

- A. Sand shall be rounded silica sand and dust free. Coarse jagged sand will not be accepted. Sand shall have the following gradation:

<u>Sieves (US Mesh Size)</u>	<u>% Retained</u>
16	0
25	10-30
30	30-50
35	15-35
40	5-15
50	<5
70	<1

- B. The carpet shall be delivered in 15-foot wide rolls. The perimeter white and yellow lines can be tufted into the individual sideline rolls. The rolls shall be of sufficient length to extend from sideline to sideline. Head seams, between the sidelines, will not be acceptable.
- C. All field of play lines shall be inlaid or tufted. The sport's field lines shall be conforming to USA Soccer and local little league requirements, or as noted in the RFP document.
- D. Thread for sewing seams of turf shall be as recommended by the Synthetic Turf Manufacturer.
- E. Glue for inlaying lines and markings shall be as recommended by the synthetic turf manufacturer. Seams between turf panels must be sewn. Inlaid markings may not be installed by means of cutting through the fabric and adhering the colored turf to a separate reinforcing tape or cloth. Rather, inlaid markings (that cannot be tufted into the fabric), shall be installed by means of shearing out the existing fiber and laying in a new piece of colored fabric into a bed of suitable "hot melt" adhesive placed directly on the original turf backing material. Systems that cut through the turf fabric for inlaid lines are not acceptable due to the fact that such a procedure shall weaken the structural integrity of the turf fabric backing.

2.03 MANUFACTURED POROUS CLOSED CELL COMPOSITE BASE AND SHOCK PAD MATERIAL

- A. New pad shall be min. 1 inch thickness, and shall be one of the following brand / product (contact info is above):
- Brock Power BaseYSR
 - ProPlay-Sport 23D
 - Shockbase pro

2.04 PERMEABLE GEOTEXTILE FILTER FABRIC

- A. Geotextile Filter Fabric: Mirafi 140 N, or accepted equal, conforming to the following minimum specifications, unless otherwise recommended by the Geotechnical Engineer:

Property	Test Method	Typical Values
Grab Strength	ASTM D4632	80 lb.

Property	Test Method	Typical Values
Puncture Strength	ASTM D4833	25 lb.
Burst Strength	ASTM D3786	130 lb.
Trapezoid Tear	ASTM D4533	25 lb.
Permeability	ASTM D4491	0.1 cm/sec
Apparent Opening Size	ASTM D4751	#50 Sieve size
Permittivity	ASTM D4491	

2.05 SYNTHETIC TURF MAINTENANCE EQUIPMENT (GROOMER AND SWEEPER)

- A. Contractor shall supply 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 (i.e. sand and rubber). The groomer shall have plastic brushes and metal tines that are adjustable.
- B. Acceptable grooming product is Synthetic Turf Groomer w/ height adjustable front and rear multi-V brushes, central rotating tines, drag tines, and wheels.
- C. The field sweeper shall be LitterKat Synthetic Turf Sweeper by Greens Groomer with sports field magnet, or acceptable equivalent product.

PART 3 EXECUTION

3.01 GEOTEXTILE AND SHOCK/ DRAIN PAD PRODUCT INSTALLATION

- A. Contractor shall review field base and ensure planarity is acceptable. Once the planarity of the permeable rock base has been reviewed and accepted by the District and Verde Design, the Contractor shall install the geotextile material and shock pad product per the Contract Drawings and in strict compliance with the manufacturer installation instructions. Contractor to exercise extreme care in order to avoid disturbing the permeable crushed rock base.
- B. Contractor to take measures to ensure that the pad product is not exposed to the outdoor elements longer than the manufacturer's recommendations. Any product that exceeds this time duration shall be removed from the project site immediately and not used on the project.
- C. All sections of the pad material shall be interlocked and/or connected to adjacent pieces of the pad material in strict conformance with the manufacturer's written recommendations.

3.02 INSTALLING THE SYNTHETIC TURF SYSTEM PRODUCTS

- A. Upon review and acceptance of the installed rock base by others, the Turf Contractor shall initiate the installation of all products shall be performed in full compliance with the

reviewed and accepted product submittal.

- B. Only trained technicians, skilled in the installation of athletic caliber synthetic turf systems working under the direct supervision of the approved installer/manufacturer supervisors, shall undertake any cutting, sewing, gluing, shearing, topdressing or brushing operations.
- C. The turf contractor shall strictly adhere to the installation procedures outlined in this section. Any variance from these requirements must be submitted to and accepted in writing, by the manufacturer's onsite representative, and submitted to the District, verifying that the changes do not, in any way, affect the warranty.
- D. The surface must be perfectly clean as turf installation commences and shall be maintained in that condition throughout the process.
- E. The turf manufacturer and installation subcontractor shall inspect and accept the field base, and provide documentation to that effect, prior to the installation of the synthetic grass system. The surface must be perfectly clean as installation commences and shall be maintained in that condition throughout the process.
- F. The carpet rolls are to be installed directly over the properly installed manufactured shock pad material. No equipment with loads greater than 35 pounds per square inch (35 psi) shall be allowed on the field. As required, Contractor is responsible for altering operations in order to adhere to this requirement. Contractor and synthetic turf installer shall strictly adhere to the written instructions provided by the shock pad manufacturer for installing turf on top of their product. Contractor shall always make sure that those vehicles driving on the shock pad product are equipped with pneumatic (air-filled) tires, preferably turf tires. These tires are designed to spread loads and minimize damage to surface. Foam Filled or solid tires as well as tires with aggressive lug patterns should not be used on the shock pad, without synthetic turf installed. *If possible, use of an A-frame for unrolling of the synthetic turf is **strongly recommended**.* Extreme care should be taken to avoid disturbing the base, both in regard to compaction and planarity.
- G. Any cutouts in the synthetic turf shall be per plans. Coordinate all cutouts in turf with the District's Representative before cutting turf for utility boxes or other structures.
- H. The full width rolls shall be laid out across the width of the field. Utilizing standard state of the art sewing procedures each roll shall be attached to the next. When all of the rolls of the playing surface have been installed, the sideline areas shall be installed at right angles to the playing field turf. GLUING OF ROLLS SHALL NOT BE ACCEPTABLE.
- I. The synthetic turf field shall utilize sewn seams. Minimum gluing will only be permitted to repair problem areas, corner completions, and to cut in any logos or inlaid lines as required by the specifications. Seams between turf panels must be sewn. Inlaid markings may not be installed by means of cutting through the fabric and adhering the colored turf to a separate reinforcing tape or cloth. Rather, inlaid markings (that cannot be tufted into the fabric), shall be installed by means of shearing out the existing fiber and laying in a new piece of colored fabric into a bed of suitable "hot melt" adhesive placed directly on the original turf backing material. Systems that cut through the turf fabric for inlaid lines are not acceptable due to the fact that such a procedure shall weaken the structural integrity of the turf fabric backing. All seams shall be sewn using double

bagger stitches and polyester thread or adhered using seaming tape and high grade adhesive (per the manufacturer's standard procedures). Seams shall be flat, tight, and permanent with no separation or fraying.

- J. Connections of the existing perimeter synthetic turf edges shall be completed by a manufacturer-approved adhesive or by industrial staples (min. depth embedment is one inch (1") at maximum 2 inch (2") on center staple spacing, whichever is appropriate.
- K. Infill materials shall be applied in thin lifts. The turf shall be brushed as the mixture is applied. The infill material shall be installed to a depth as specified in this section. The mix shall be uniform and even in thickness to assure proper playing characteristics.
- L. The infill materials shall be installed to fill the voids between the fibers and allow the fibers to remain vertical and non-directional. The infill shall be placed so that there is a void of $\frac{3}{4}$ " to the top of the fibers.
- M. At near Substantial Completion of the synthetic turf fields, the turf contractor shall test for shock absorbency. The turf contractor and/or manufacturer shall pay for an independent testing laboratory accredited for such tests (who shall be pre-approved by the District). All testing and analysis of findings shall be completed by qualified persons utilizing correct techniques. The laboratory shall provide the necessary testing data to the District that verifies the finished field meets or exceeds the required shock attenuation. The G-max range shall be between 70 and 160 for the life of the warranty, as determined by the ASTM F355A and F1936 test procedures. 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 as specified in 3.03-G, then the Contractor's field installer 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.

3.03 MAINTENANCE & WARRANTY

- A. The Turf Company shall provide the following prior to Final Acceptance and the District filing the Project Notice of Completion:
 - 1. The Turf Company shall provide the written warranty for the project per the minimum requirements identified in this specification section. Submit Manufacturer Warranty and ensure that forms have been completed in District's name and registered with Manufacturer and Insurance Carrier. Submit information 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. Insurance carrier must confirm that the policy is in force and premiums paid.
 - 2. Three (3) copies of Maintenance Manuals, which will include all necessary instructions for the proper care and preventive maintenance of the turf system, including painting and markings.
 - 3. Project Record Documents: Record actual locations of seams and other pertinent information.
 - 4. Upon completion of the field installation, the Turf Company shall have a supervisory personnel provide a minimum one hour field training seminar per field with the District on how to care for the field. At a minimum, seminar 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.

5. Supply a field groomer and/or sweeper as specified.
- B. Turf Company shall be responsible for the testing of the G-max levels of the installed synthetic turf at the completion of the installation, as well at the completion of years two, four, six, and six months prior to the completion of year eight. If any of these tests do not fall within the G-max range as specified in this specification section, the Turf Company will be required to modify the field composition to the sole satisfaction of the District so that it falls within the target G-max range. All costs associated with such work shall be borne solely by the Turf Company and/or installer. Any failed test shall be retested to verify that the field meets the specifications. All testing shall be paid by the Manufacturer and/or installer. All testing shall be completed by an independent testing laboratory accredited for such tests, and shall be pre-approved by the District. All testing and analysis of findings shall be completed by qualified persons utilizing the required techniques outlined in the ASTM F355 test standard.
- C. Alternate: Turf contractor shall provide one maintenance service visit per year for the first three years of the 10 year warranty, then semi-annual visits for the remaining seven years of the warranty period as part of this proposal. Each maintenance service visit shall include the following:
 1. One (1) SMG Sportchamp grooming session including:
 - (a) A general sweeping to remove foreign objects such as dirt, leaves, bird droppings, gum and other debris that may collect on the field surface.
 - (b) A deep groom, sweep and rejuvenation to de-compact infill and in an effort to maintain appropriate G-Max levels, as well as clean the infill from deleterious matter contaminating the infill material. All accumulated debris and contaminating material shall be off-hauled and disposed of in a legal manner by the Turf Company.
 - (c) Minor repairs (sewing/adhesive failures, inlay separation, and general workmanship) as needed shall be completed by the Turf Company for items found relating to the synthetic surface.
 2. Overall analysis and inspection of the field and its applicable systems, including fiber wear analysis, ultraviolet degradation, infill depth and consistency, infill migration, field edging attachments, sewn and glued seams, line verification and field inserts (inlays).
 3. High wear areas (specifically the soccer penalty kick areas and lacrosse goal mouth areas) are to be replaced up to four times (or every two years), at the discretion and request of the District.

End of Specification Section

END OF RFP DOCUMENT

EXHIBIT A

**Proposal Form
San Rafael City Schools
Synthetic Turf Field Installation Project**

At time of the proposal, the following form needs to be filled in and returned with other requested materials. A unit price for the field shall be used to determine final price. Proposal shall be all-inclusive of all taxes, fees, etc. All work shall include new turf installation on the base, and all work shall carry worker's compensation and prevailing wage rates. **The Turf Company may submit multiple products provided each meet the minimum product requirements. Each product shall have its own proposal form and associated documents.**

1. DMS – Multi-Use Field: Approximately 91,556 SF

Submitted Turf Product Name: _____

Proposed Total Amount (excluding Maintenance Contract): \$ _____

(Total price including product, taxes, delivery and installation of ALL product identified, including field prep and fine tuning, turf, including all field striping and markings, geotextile fabric, and drainage pad):

Proposed Turf Unit Price Per Square Foot Amount: \$ _____

(Total price including product, taxes, delivery and installation):

**Alternate - Regular Maintenance Contract Cost for duration of
Warranty (per item 3.03 of the Turf Specifications):** \$ _____

END OF PROPOSAL FORM

SYNTHETIC TURF CRITERIA

At time of the proposal, the following form needs to be completely filled in for each field and returned with other requested materials for **EACH PROPOSED TURF PRODUCT**. Turf Company shall provide values based on the units shown below and based on ASTM/Standard testing procedures, if applicable.

<u>Property</u>	<u>Value (Fill in the blank)</u>	<u>Units</u>	<u>ASTM/Standard</u>
Pile Yarn Type			n/a
Yarn Structure			n/a
Yarn Linear Density		Denier +/- 5%	D1907
Yarn Breaking Strength*		Lbs	D2256
Yarn Maximum Elongation*		%	D2256
Yarn Melting Point		°F	D789
Tape Thickness		Microns	n/a
Tape Width*			n/a
Number of tape per stitch			n/a
Pile Height*		Inches	D5848
Pile Weight*		oz/yd ²	D5848
Backing Composition			n/a
Type of Coating			n/a
Primary Backing Weight*		oz/yd ²	D5848
Secondary Backing Weight*		oz/yd ²	D5848
Coating Weight		oz/yd ²	D5848
Total Carpet Weight		oz/yd ²	D5848
Stitch Gauge			D5848
Stitches per Inch		stitches	D5848
Tuft Bind*		Lbs/force	D1335
Grab Tear Strength*		Lbs/force	D5034
Grab Tear Width		Lbs/force	D5034
Pill Burn test (Pass/Fail)			D2859
Impact Attenuation		G-max	F1936
Permeability*		Inch/hour	DIN 18-035
Permeability with in-fill*		Inches/hr	F1551
Total Depth of In-fill		Inches	n/a
Infill type			n/a
Infill weight		Lbs/yd ²	n/a
Seams (Glued or Sewn)			n/a
Flame Resistance*			ASTM F1551

*Provide certified independent (3rd Party) laboratory reports on ASTM Test for these items.

In addition to the above form, the Turf Company shall provide the following information as part of the proposal package:

1. Contractor shall submit a list identifying the installed fields that have this exact turf product as identified in its proposal (including the proposed infill material). List of installations submitted and proposed site, field size (in s.f.), installation shall include project site, field name, and current District contact name and phone number.
2. Contractor shall submit the resume of the proposed turf installation foreman. This foreman shall be at the job site at any time work on the field is in progress. Each individual proposed to oversee the field will shall at a minimum have supervised no less than twenty synthetic turf fields in the past three (3) years.
3. Turf Company is to describe their field maintenance and warranty repair capabilities and their approach to this work. This includes location of crews that can respond to District requests, equipment used, etc.

A. WARRANTY & MAINTENANCE PLAN

At time of proposal submission, the Turf Company shall submit its Manufacturer's Warranty which guarantees the usability and playability of the synthetic turf system for its intended uses for a minimum ten (10) year period commencing with the date of Notice of Completion. Intended uses include, but are not limited to the sports receiving permanent striping, including physical education, games and practice, summer camps, etc.

The warranty submitted must have the following characteristics:

1. Be a non-prorated, non-cancellable up-front pre-paid, third-party insured warranty. Warranty shall be covered by a third party insurance policy, non-cancelable and pre-paid, and is in effect covering this installation, and underwritten by a Best "A" Rated (or better) Insurance Carrier listed in the A.M. Best Key Rating Guide. Draft project specific warranty document to be provided for review by the District within ten (10) days after award of contract.
2. Insurance carrier must confirm that the policy is in force and premiums prepaid for entire warranty duration in full.
3. The policy must include a minimum annual aggregate of \$10,000,000 per year and be based on claims arising from fields installed and completed only during the policy year.
4. The policy must provide full coverage for ten (10) years (minimum) from the date of Notice of Completion.
5. The policy shall cover all costs associated with full field replacement with new equal or better turf material, including labor, materials and any other costs to repair or replace the field.
6. District shall not be responsible for any deductible.
7. Warranty shall have no restrictions on hourly use limitations as long as the primary athletic use on the field is as anticipated in the original design.
8. Must warrant materials and workmanship, and that the materials installed meet or exceed the product specifications, including general wear and damage caused from UV degradation.

9. Must have a provision to either make a cash refund or repair or replace such portions of the installed materials that are no longer serviceable to maintain a serviceable and playable surface.
10. Must be a warranty from a single source covering workmanship and all self-manufactured or procured materials.
11. Guarantee the availability of replacement material for the synthetic turf system installed for the full warranty period.
12. Turf must maintain an ASTM F355 G-Max of less than 160 for the life of the warranty.
13. The Turf Company must verify that its onsite representative has inspected the installation and that the work conforms to the Manufacturer's requirements. The Manufacturer will submit written certification that the policy is in effect, fully funded and that the installation is added to the policy upon completion and acceptance.
14. The warranty shall be made out to San Rafael City Schools.

B. HEAVY METALS AND MATERIAL CONTENT

The Turf Company will conduct and submit product analysis with the project proposal. Analysis will be presented in the form of current, certified laboratory results using specified standards and processes. **Turf Company shall also fill in attached Tables C & D with applicable lab results.** For threshold limits, reference Tables A & B below.

Analytical Methodologies: Representative samples of the turf fibers, turf backing, and infill material shall be analyzed for total metals content and semi-volatile organic compounds (SVOCs), as well as select analyses for leachable metals concentrations.

1. Total Metals Analysis: All samples (fibers, infill, backing) shall be analyzed for the California Assessment Manual 17/Title 26 list of metals (CAM 17 metals). The submitted samples shall be prepared by the laboratory for analysis of total recoverable metals by USEPA method 3050B. The samples shall then be analyzed for total metals concentrations by USEPA method 6010B/7400.
2. Leachable Metals Analysis: Infill samples only shall be analyzed for leachability of selected metals using the California Waste Extraction Test (WET). All samples shall be analyzed by the WET for lead, zinc, and total chromium. For other constituents, if the detected concentrations from the total metals analysis above are greater than or equal to ten times the Soluble Threshold Limit Concentration (STLC) value, as shown on attached Table A in Specification Section 02450, the WET shall be conducted for those individual metals as well.
3. Analysis for SVOCs: All samples (fibers, infill, backing.) shall be analyzed for the SW-846 list of SVOCs. The submitted samples shall be prepared by the laboratory for analysis by USEPA method 3540 or 3550. The samples shall then be analyzed for SVOC concentrations by USEPA method 8270B or 8270C. Results shall at a minimum include data for aniline (CAS #62-53-3), phenol (108-95-2) and benzothiazole (95-16-9). Concentrations of SVOCs are to be provided for reference purposes only and are not being evaluated against any particular criteria.

Evaluation Criteria: The detected concentrations of lead, chromium, and zinc in the samples of the turf infill material shall not exceed the threshold values listed in Tables A & B, outlined below for total metals and leachable metals analyses. In no case shall the total

metal concentration of any metal equal or exceed the TTLC values. In addition, concentrations of metals detected in any leachate tests shall not exceed the STLC value (for threshold values, see California Code of Regulations, Title 22, Chapter 11, Article 3.)

TABLE A. Maximum levels of metals permitted for synthetic turf products – recycled styrene butadiene rubber (SBR) infill materials

Metal	Total metals analysis (mg/kg)	Leachable metals analysis (ug/L)
Chromium	750 ⁱ	50
Lead	50	2.5
Zinc	23,000 ⁱⁱ	250,000 ⁱⁱⁱ

i. No total chromium value promulgated in ESLs; chromium III value indicated instead.

ii. California Human Health Screening Levels (CHHSLs) for soil for residential land use.

iii. Selected soluble threshold limit concentration (STLC).

Table C (to be completed by Turf Company)

Metal	Total metals analysis (mg/kg)	Leachable metals analysis (ug/L)
Chromium		
Lead		
Zinc		

TABLE B. Maximum levels of total metals permitted for synthetic turf products – fibers, underlayment, and backing

Metal	Total metals analysis (mg/kg)
Chromium	25
Lead	50

Table D (to be completed by Turf Company)

Metal	Total metals analysis (mg/kg)
Chromium	
Lead	

C. BROMINATED FLAME RETARDANTS

The Turf Company shall provide verification that brominated flame retardants have not been intentionally added in the manufacture of the turf fiber, backing, underlayment or infill materials. Verification can take the form of a signed letter from the manufacturer, or appropriate laboratory analyses of the product proving that levels of elemental bromine are lower than 1% by weight.

DESIGNATED SUBCONTRACTORS LIST
(Public Contact Code Sections 4100-4114)

PROJECT: _____

Bidder acknowledges and agrees that it must clearly set forth below the name, location and California contractor license number of each subcontractor who will perform work or labor or render service to the Bidder in or about the construction of the Work or who will specially fabricate and install a portion of the Work according to detailed drawings contained in the plans and specifications in an amount in excess of one-half of one percent (0.5%) of Bidder's total Base Bid and the kind of Work that each will perform. Vendors or suppliers of materials only do not need to be listed.

Bidder acknowledges and agrees that, if Bidder fails to list as to any portion of Work, or if Bidder lists more than one subcontractor to perform the same portion of Work, Bidder must perform that portion itself or be subjected to penalty under applicable law. In case more than one subcontractor is named for the same kind of Work, state the portion of the kind of Work that each subcontractor will perform.

If alternate bid(s) is/are called for and Bidder intends to use subcontractors different from or in addition to those subcontractors listed for work under the Base Bid, Bidder must list subcontractors that will perform Work in an amount in excess of one half of one percent (0.5%) of Bidder's total Base Bid plus alternate(s).

If further space is required for the list of proposed subcontractors, attach additional copies of page 2 showing the required information, as indicated below.

Subcontractor Name: _____

CA Cont. Lic. #: _____ Location: _____

DIR Registration #: _____

Portion of Work: _____

Subcontractor Name: _____

CA Cont. Lic. #: _____ Location: _____

DIR Registration #: _____

Portion of Work: _____

Subcontractor Name: _____

CA Cont. Lic. #: _____ Location: _____

DIR Registration #: _____

Portion of Work: _____

Subcontractor Name: _____

CA Cont. Lic. #: _____ Location: _____

DIR Registration #: _____

Portion of Work: _____

Subcontractor Name: _____

CA Cont. Lic. #: _____ Location: _____

DIR Registration #: _____

Portion of Work: _____

Subcontractor Name: _____

CA Cont. Lic. #: _____ Location: _____

DIR Registration #: _____

Portion of Work: _____

Subcontractor Name: _____

CA Cont. Lic. #: _____ Location: _____

DIR Registration #: _____

Portion of Work: _____

Subcontractor Name: _____

CA Cont. Lic. #: _____ Location: _____

DIR Registration #: _____

Portion of Work: _____

Date: _____

Proper Name of Bidder: _____

Signature: _____

Print Name: _____

Title: _____

END OF DOCUMENT

**NON-COLLUSION DECLARATION
(Public Contract Code Section 7106)**

The undersigned declares:

I am the _____ of _____, the party making the foregoing bid.
[Title] [Name of Firm]

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____,
[Date]
at _____, _____.
[City] [State]

Date: _____

Proper Name of Bidder: _____

Signature: _____

Print Name: _____

Title: _____

END OF DOCUMENT

IRAN CONTRACTING ACT CERTIFICATION
(Public Contract Code Sections 2202-2208)

PROJECT/CONTRACT NO.: _____ between the San Rafael City Schools ("District") and _____ ("Contractor" or "Bidder") ("Contract" or "Project").

Prior to bidding on or submitting a proposal for a contract for goods or services of \$1,000,000 or more, the bidder/proposer must submit this certification pursuant to Public Contract Code section 2204.

The bidder/proposer must complete **ONLY ONE** of the following two options. To complete OPTION 1, check the corresponding box **and** complete the certification below. To complete OPTION 2, check the corresponding box, complete the certification below, and attach documentation demonstrating the exemption approval.

- ☐ **OPTION 1.** Bidder/Proposer is not on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to Public Contract Code section 2203(b), and we are not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.
- ☐ **OPTION 2.** Bidder/Proposer has received a written exemption from the certification requirement pursuant to Public Contract Code sections 2203(c) and (d). *A copy of the written documentation demonstrating the exemption approval is included with our bid/proposal.*

CERTIFICATION:

I, the official named below, CERTIFY UNDER PENALTY OF PERJURY, that I am duly authorized to legally bind the bidder/proposer to the OPTION selected above. This certification is made under the laws of the State of California.

<i>Vendor Name/Financial Institution (Printed)</i>	<i>Federal ID Number (or n/a)</i>
<i>By (Authorized Signature)</i>	
<i>Printed Name and Title of Person Signing</i>	<i>Date Executed</i>

END OF DOCUMENT

WORKERS' COMPENSATION CERTIFICATION

PROJECT/CONTRACT NO.: _____ between the San Rafael City Schools ("District") and _____ ("Contractor" or "Bidder") ("Contract" or "Project").

Labor Code section 3700, in relevant part, provides:

Every employer except the State shall secure the payment of compensation in one or more of the following ways:

- a. By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this state; and/or
- b. By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees.

I am aware of the provisions of section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

Date: _____

Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

(In accordance with Labor Code sections 1860 and 1861, the above certificate must be signed and filed with the awarding body prior to performing any Work under this Contract.)

END OF DOCUMENT

**PREVAILING WAGE AND
RELATED LABOR REQUIREMENTS CERTIFICATION**

PROJECT/CONTRACT NO.: _____ between the San Rafael City
Schools ("District") and _____
("Contractor" or "Bidder") ("Contract" or "Project").

I hereby certify that I will conform to the State of California Public Works Contract requirements regarding prevailing wages, benefits, on-site audits with 48-hours' notice, payroll records, and apprentice and trainee employment requirements, for all Work on the above Project including, without limitation, labor compliance monitoring and enforcement by the Department of Industrial Relations.

Date: _____

Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

END OF DOCUMENT

DRUG-FREE WORKPLACE CERTIFICATION

PROJECT/CONTRACT NO.: _____ between the San Rafael City Schools ("District") and _____ ("Contractor" or "Bidder") ("Contract" or "Project").

This Drug-Free Workplace Certification form is required from the successful Bidder pursuant to Government Code section 8350 et seq., the Drug-Free Workplace Act of 1990. The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for the procurement of any property or service from any state agency must certify that it will provide a drug-free workplace by doing certain specified acts. In addition, the Act provides that each contract or grant awarded by a state agency may be subject to suspension of payments or termination of the contract or grant, and the contractor or grantee may be subject to debarment from future contracting, if the contracting agency determines that specified acts have occurred.

The District is not a "state agency" as defined in the applicable section(s) of the Government Code, but the District is a local agency and public school district under California law and requires all contractors on District projects to comply with the provisions and requirements of the Drug-Free Workplace Act of 1990.

Contractor must also comply with the provisions of Health & Safety Code section 11362.3 which prohibits the consumption or possession of cannabis or cannabis products in any public place, including school grounds, and specifically on school grounds while children are present.

Contractor shall certify that it will provide a drug-free workplace by doing all of the following:

- a. Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited in the person's or organization's workplace and specifying actions which will be taken against employees for violations of the prohibition.
- b. Establishing a drug-free awareness program to inform employees about all of the following:
 - (1) The dangers of drug abuse in the workplace.
 - (2) The person's or organization's policy of maintaining a drug-free workplace.
 - (3) The availability of drug counseling, rehabilitation, and employee-assistance programs.
 - (4) The penalties that may be imposed upon employees for drug abuse violations.
- c. Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required above, and that, as a

condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of Government Code section 8355 listed above and will publish a statement notifying employees concerning (a) the prohibition of controlled substance at the workplace, (b) establishing a drug-free awareness program, and (c) requiring that each employee engaged in the performance of the Contract be given a copy of the statement required by section 8355(a), and requiring that the employee agree to abide by the terms of that statement.

I also understand that if the District determines that I have either (a) made a false certification herein, or (b) violated this certification by failing to carry out the requirements of section 8355, that the Contract awarded herein is subject to termination, suspension of payments, or both. I further understand that, should I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of the aforementioned Act.

I acknowledge that I am aware of the provisions of and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990 and Health and Safety Code section 11362.3.

Date: _____

Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

END OF DOCUMENT

CRIMINAL BACKGROUND INVESTIGATION
/FINGERPRINTING CERTIFICATION

PROJECT/CONTRACT NO.: _____ between the San Rafael City Schools ("District") and _____ ("Contractor" or "Bidder") ("Contract" or "Project").

The undersigned does hereby certify to the District that I am a representative of the Contractor currently under contract with the District; that I am familiar with the facts herein certified; and that I am authorized and qualified to execute this certificate on behalf of Contractor.

Contractor certifies that it has taken at least one of the following actions (check all that apply):

- ☐ Pursuant to Education Code section 45125.2(a), Contractor has installed or will install, prior to commencement of Work, a physical barrier at the Work Site, that will limit contact between Contractor's employees, Subcontractors or suppliers and District pupils at all times; and/or
- ☐ Pursuant to Education Code section 45125.2(a), Contractor certifies that all employees will be under the continual supervision of, and monitored by, an employee of the Contractor who the California Department of Justice ("DOJ") has ascertained, or as described below, will ascertain, has not been convicted of a violent or serious felony. The name and title of the employee who will be supervising Contractor's and its subcontractors' or suppliers' employees is:

Name: _____

Title: _____

NOTE: If Contractor is a sole proprietor, and elects the above option, Contractor must have the above-named employee's fingerprints prepared and submitted by District for submission to the DOJ, in accordance with Education Code section 45125.1(h). No work shall commence until such determination by DOJ has been made.

- ☐ Pursuant to Education Code section 45125.2(a), the District will take appropriate steps to protect the safety of any pupils that may come in contact with Contractor's employees, subcontractors or suppliers so that the fingerprinting and criminal background investigation requirements of Education Code section 45125.2 shall not apply to Contractor under the Contract.
- ☐ The Work on the Contract is either (i) at an unoccupied school site and no employee of Contractor and/or subcontractor or supplier of any tier of the Contract shall come in contact with the District pupils or (ii) if Contractor's employees or any subcontractor or supplier of any tier of the Contract interacts with pupils, such interaction shall only take place under the immediate supervision and control of the pupil's parent or guardian or a school employee, so that the fingerprinting and criminal background investigation requirements of Education Code section 45125.1 shall not apply to Contractor under the Contract.

- ☐ The Contractor, who is not a sole proprietor, has complied with the fingerprinting requirements of Education Code section 45125.1 with respect to all Contractor's employees and all of its Subcontractors' employees who may have contact with District pupils in the course of providing services pursuant to the Contract, and the DOJ has determined (A) that none of those employees has been convicted of a felony, as that term is defined in Education Code section 45122.1 and/or (B) that the prohibition does not apply to an employee as provided by Education Code section 45125.1(e)(2) or (3). When the Contractor performs the criminal background check, it shall immediately provide any subsequent arrest and conviction information it receives to the District pursuant to the subsequent arrest service. No work shall commence until the Department of Justice ascertains that Contractor's employees and any subcontractors' employees have not been convicted of a felony as defined in Education Code Section 45122.1.

A complete and accurate list of Contractor's employees and of all of its subcontractors' employees who may come in contact with District pupils during the course and scope of the Contract is attached hereto as ATTACHMENT "A;" and/or

- ☐ The Contractor is a sole proprietor and intends to comply with the fingerprinting requirements of Education Code section 45125.1(h) with respect to all Contractor's employees who may have contact with District pupils in the course of providing services pursuant to the Contract, and hereby agrees to the District's preparation and submission of fingerprints such that the DOJ may determine (A) that none of those employees has been convicted of a felony, as that term is defined in Education Code section 45122.1 and/or (B) that the prohibition does not apply to an employee as provided by Education Code section 45125.1(e)(2) or (3). No work shall commence until the Department of Justice ascertains that Contractor's employees and any subcontractors' employees have not been convicted of a felony as defined in Education Code Section 45122.1.

Contractor's responsibility for background clearance extends to all of its employees, Subcontractors or suppliers, and employees of Subcontractors or suppliers coming into contact with District pupils regardless of whether they are designated as employees or acting as independent contractors of the Contractor.

Date: _____
Proper Name of Contractor: _____
Signature: _____
Print Name: _____
Title: _____

[CONTINUED ON NEXT PAGE]

ATTACHMENT "A"

List of Employees/Subcontractors

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

Name/Company: _____

If further space is required for the list of employees/subcontractors, attach additional copies of this page.

END OF DOCUMENT

EXHIBIT B

