



Martha's Vineyard Regional High School *Athletic Field Improvements - Phase One*

Project Information & Fact Sheet

SIMPLE FACTS:

Only 8% of the construction costs are associated with synthetic turf, infill and shock pad.

Phase One will be constructed using only private donations. No tax dollars will be used for construction.

Private funding of outdoor athletic facilities has no impact on future Massachusetts School Building Authority (MSBA) funding requests.

The renovated natural grass field will have a new subsurface drainage system, irrigation and be graded to have a 1.5% pitch from the crown to both sidelines.

The School Committee selected an organic infill, sustainably harvested in the USA.

This application is only requesting one (1) Synthetic Turf Field. All the remaining fields will be natural grass.

Relocating the track and field away from the Deer Run neighborhood will benefit our closest abutters.

SCOPE OF WORK

400M Running Track & Synthetic Turf Field.

The project includes a new 400m running track, field events, ONE synthetic turf field, field house, scoreboard, sound system, 700 seat grandstand, pressbox & sports lights adjacent to Edgartown-Vineyard Haven Road.

Natural Grass Field Renovation.

The existing natural grass field adjacent to the bus lot will be renovated and receive a new natural grass surface, drainage and irrigation improvements

Streetscape Improvements.

New pedestrian safety and parking improvements will be installed along Sanderson Road, making our campus safer for students, staff & visitors.

ESTIMATED COSTS

Phase One - Preliminary Estimated Construction Costs.

Phase One estimated costs are \$7,729,928.00. Cost estimates have been provided by our Owner's Project Manager, Daedalus Projects, Inc.

Synthetic Turf Field - Annual Maintenance Costs.

Estimated annual maintenance costs for one (1) synthetic turf field are approximately \$7,500 per year.

Natural Grass Field - Annual Maintenance Costs.

Estimated annual maintenance costs for one (1) natural grass field are approximately \$25,000 per year

SYNTHETIC TURF PRODUCTS

Proposed Synthetic Turf Products & Manufacturers.

1. Woven Synthetic Turf System - IronTurf Ultra Green By Greenfields USA.
2. Organic Infill - BrockFILL by Brock USA
3. Shock Pad - YSR Resilient Underlayment by Brock USA.

DRI #352 M4 - Amended

Martha's Vineyard Regional High School

HUNTRESS Sports



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SIMPLE FACTS:

A synthetic turf field can handle the use of three (3) natural grass fields.

We need the field now. Our athletic field use analysis was based upon current users, not future demand.

The MVRHS School Committee interviewed four athletic field design firms. All four recommended the use of at least one synthetic turf field at the High School.

Our 400m running track is beyond its useful life now and will shortly be deemed unsafe for league competition. We need to address this issue now, before the High School is forced to close the track.

We presently use porta-potties on our fields. A new field house provides bathrooms in close proximity to the playing fields.

The Girl's Field Hockey team change in their cars because we do not have enough locker room space in the High School.

This is a real and current need and we ask for your support.

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WHY DO WE NEED A SYNTHETIC TURF FIELD

The High School Fields cannot sustain the Current Use

The current natural grass fields each average over 700 use hours annually. The demand placed on these fields by our current football, lacrosse, soccer and field hockey programs has created unsafe conditions for our athletes.

The Synthetic Turf Field is a "Work Horse"

A synthetic turf field can accommodate over 1,800 hours of play every year. This is the equivalent of three (3) natural grass fields.

Excessive Use in March & April can damage Natural Grass Fields

Aggressive sports activity in the early Spring, like lacrosse, can damage natural grass fields and limit their ability to recover. Moving early Spring activity to the synthetic turf field will help to better maintain all natural grass fields.

One (1) Synthetic Turf Field Improves five (5) Natural Grass Fields

By shifting 1,800 annual hours to the synthetic turf field, we can drop the average annual use hours from over 700 to approximately 480 per grass field. Less use on the remaining fields allows increased time for seeding and root zone recovery, and offers the ability to periodically rest one field.

MVRHS is asking for ONE Synthetic Turf Field.

The Athletic Field Master Plan approved by the MVRHS School Committee in 2019 recommends one (1) synthetic turf field. We do not anticipate coming back in the future and requesting additional synthetic turf fields.

FIELD HOUSE & LOCKER ROOMS

Field House Program

The proposed field house is 100% ADA accessible, and the program includes two new locker rooms, bathrooms, a concession area, trainers room, weight room, classroom and officials locker room/bathroom.

Connection to the Municipal Sewer System

Presently the Oak Bluffs Waste Water Treatment Plant is at capacity, limiting our ability to connect the new building to the municipal sewer system.

Review of the Field House by the MVC

We respectfully request that the MVC continue to review the building as part of this application and include a condition in the DRI approval that requires a connection to the municipal system, or other such system as approved by the Oak Bluffs Board of Health, prior to issuance of a building permit.



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Greenfields/Tencate owns and operates a turf recycling facility. They have provided a guarantee that our turf will be recycled at the end of its useful life.

We agree, let's test all products for hazardous materials before they are installed on our campus.

All proposed plants will be drought tolerant and native. No invasive plants are included in the plant list.

The turf, infill and shock pad are all able to be cradle-to-cradle certified.

One (1) new Synthetic Turf Field removes 1036 lbs of fertilizer and 264 lbs of nitrogen annually from the High School fields, and our watersheds.

One (1) new synthetic turf field reduces the irrigation demand at the High School by 1.18 million gallons of water per year.

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SYNTHETIC TURF RECYCLING

Project Specifications Require Recycling of the Turf Products.

Project specifications require the turf manufacturer take the product back at end of life and recycle the turf with a complete chain of custody.

Project Specifications Require Posting of a Cash Bond.

Project specifications require the turf manufacturer post a \$50,000 cash bond to be held by MVRHS until the end of life. This bond guarantees funding will be available to transport and recycle the turf products.

Turf Manufacturer's Written Guarantee to Recycle.

Greenfields/Tencate, the manufacturer of the selected woven turf product, owns a turf recycling facility in the Netherlands.

Joe Fields, President of Tencate Americas provided written assurance that Tencate will recycle our field at the end of its useful life.

ENVIRONMENT & GROUNDWATER PROTECTION

Eliminate Crumb Rubber as an Infill Product.

The MVRHS School Committee selected an organic infill product that is sustainably grown and harvested in the USA instead of crumb rubber.

Third-Party Independent Testing of all Turf Products.

MVRHS cares about our environment, groundwater and safety. We support third-party testing of all turf products.

Installation of two (2) Ground Water Monitoring Wells.

Two groundwater monitoring wells will be installed at the MVRHS campus, one in each of the Sengekontacket and Lagoon Pond watersheds.

Install Microplastic Filters in the Turf Field Drainage System.

MVRHS will install microplastic filters in the drainage system that surrounds the synthetic turf field.

Install Rain Gardens with only Native Plants.

MVRHS will install rain gardens to filter stormwater through bio-retention swales filled with native plants. The plants help to remove nitrogen naturally from stormwater before it enters the ground.



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New LED sports lighting will save \$119,760 over the 25 year cost of ownership as compared to our current sports lights.

The new LED lights will also result in a Co2 reduction of 98 tons over the same period. The equivalent of taking 21 cars off the road.

No trees are being removed for the construction of the new stadium.

The new 400m running track will have a useful life of 25 years.

The use of organic infill will reduce the heat on the synthetic turf field by up to 33 degrees.

Use of a shock pad under the new synthetic turf field reduces the risk of concussion from head to field impact by up to 50%

Our Athletic Trainer, and Athletic Director, who work with our kids on our fields every day, support the use of synthetic turf at the High School.

The field disinfecting plan follows current CDC guidelines.

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PEDESTRIAN & VEHICULAR IMPROVEMENTS

Compliance with the American's With Disabilities Act (ADA)
The current High School athletic facilities are not in compliance with ADA requirements. The project provides improvements to the arrival and drop-off to the new stadium with code compliant access and seating.

Team Bus Drop-off Area

The existing parking area has been reconfigured to accommodate a full bus drop-off area for teams at the main entrance to the stadium. This area can double as parent pick-up / drop-off during practice times.

Sidewalks and Crosswalks added to Sanderson Road

These improvements help connect the north and south end of the campus while significantly improving pedestrian safety.

OTHER POSITIVE IMPROVEMENTS

Resilient Shock Pad

The shock pad reduces concussion risk from head to field impact by up to 50%.

Grandstands & Pressbox

The new grandstand will have 700 seats & the pressbox will be ADA compliant.

Stadium Sports Lighting

The new LED sports lights will use 40% less electricity than the current lights.

Osprey Nest

One new sports light pole will be equipped with a new Osprey nest platform.

Stadium Sound System

The new sound system will better direct and control noise spill to neighbors.

Track & Field Storage Building

A new storage building is sized to accommodate all track & field equipment.

Stadium Scoreboard

The new scoreboard will have LED digits, wireless control & track timing.

Native Planting Buffer

The area between the new 400m track and Edgartown-Vineyard Haven Road will be planted with native plants to provide a natural buffer.