

7. Does the current grandstand have 500 or 800 seats? (We have conflicting information.)

Response: According to Mark McCarthy, the HS Athletic Director, the current High School Grandstand has an approximate capacity of 800.

MAINTENANCE

8. Please provide the recommended maintenance program for the synthetic field.

Response: The following is our recommended Post-Construction Field Maintenance Program. This scope has been included in the project specifications and will be performed by the selected turf manufacturer on an annual basis. This annual maintenance would be supplemented by weekly/monthly inspections and grooming to be completed by in-house staff at MVRHS on an as-needed basis. All required grooming equipment is included in the project specifications and will be delivered to MVRHS upon substantial completion of the synthetic turf field.

We have also included below the warranty requirements which are included in the specifications and will remain a responsibility of the Synthetic Turf Vendor for a period of ten (10) years after final acceptance.

A. Maintenance Training

- a. *Prior to acceptance of the new synthetic turf field, the Synthetic Turf Vendor shall provide maintenance training to the Owner and all in-house staff. In-house staff shall include all maintenance personnel, coaches and athletic department staff who will have regular contact with the field, athletes and the user groups who are allowed access to the field. The maintenance training shall include the following:*
 - i. *Inspection and repair techniques for minor damage to seams, inlays, logos, penetrations and connections.*
 - ii. *Inspection of Carpet Pile for premature fading, excessive fibrillation, wear and/or decreased height.*
 - iii. *Inspection of the Infill for depth and consistency.*
 - iv. *Complete brushing of the field with a motorized rotary broom to redistribute and level the Infill and rejuvenate the Carpet Pile. This training shall utilize the maintenance equipment specified and delivered to the job site as part of the project specifications.*
 - v. *Review of maintenance log procedures and record keeping.*
 - vi. *The Synthetic Turf Vendors shall, at this time, provide contact information for all warranty claims and repair calls, as outlined in the project specification.*
 - vii. *The Synthetic Turf vendors shall leave an appropriate amount of supplies, including excess turf, infill, resilient underlayment, seaming tape and glue as needed for minor repairs.*

B. In-House Maintenance Responsibilities:

- a. On a weekly basis the Owner shall:
 - i. Inspect seams, inlays, logos, penetrations and connections.
 - ii. Inspect Carpet Pile for premature fading, excessive fibrillation, wear and/or decreased height and weight.
 - iii. Inspect the Infill for depth and consistency.
- b. On a monthly basis, or as needed, the Owner shall:
 - i. Complete brushing/grooming of the field with a motorized rotary broom to redistribute and level the Infill and rejuvenate the Carpet Pile. Brushing/grooming of the field to include the use of a magnetic bar to remove any bobby pins, cleats or other debris.
 - ii. Bodily Fluids/Germs/Disinfectant: If there is an incident involving blood or vomit, note where it happened and spray it down with water first and then alcohol/Purell/hand sanitizer or similar then dab with a towel. Small areas can be managed with OTC antibacterial cleaners.

C. Post Construction Field Maintenance Program

Subsequent to Final Completion the Synthetic Turf System Vendor shall provide the Owner with two (2) years of Post Construction Field Maintenance Services including but not limited to:

- A. A complete inspection of the entire field area to include:
 1. Inspection of seams, inlays, logos, penetrations and connections.
 2. Inspection of Carpet Pile for premature fading, excessive fibrillation, wear and/or decreased height and weight.
 3. Inspection of the Infill for depth and consistency.
 4. Inspection of the Infill for consistency of feel and excessive hardness or softness.
 5. Immediate repair or replacement to correct deficiencies noted during inspection.
 6. Complete brushing of the field with a motorized rotary broom to redistribute and level the Infill and rejuvenate the Carpet Pile.
 7. Provide G-Max and HIC testing per the Project Specifications.
- B. Provide a Complete Field Service Report of all observations and activities to the Owner and Landscape Architect.
- C. Post Construction Field Maintenance shall be performed a minimum of two (2) times during the first two (2) full years after Final Completion. Post Construction Field Maintenance shall be performed at the discretion and approval of the Owner, and with at least fourteen (14) days prior notice to the Owner.

D. Ten (10) Year Warranty

A. *Warranty: The Infilled Synthetic Turf System Vendor shall provide a third party insured warranty guaranteeing all manufactured and procured Infilled Synthetic Turf System materials and workmanship against damage by climatic conditions or proper and normal use (including the use of cleats) for a minimum period of ten (10) years from the official date of Substantial Completion. In addition, the Infilled Synthetic Turf Warranty shall guarantee all manufactured and procured materials and/or workmanship including such defects as premature decrease in infill height, premature decrease in pile height or weight (stipulated as more than 10% decrease), UV degradation, fading, seam rupture, dislodgement, inadequate drainage or inadequate air transmission. The guarantee shall be in writing, stating the any defects, including the need to remove and replace manufactured and/or procured materials will be repaired at no cost to the Awarding Authority within 7 days written notice of the Awarding Authority. The warranty coverage shall not be prorated nor limited to the amount of the usage. Warranty coverage shall provide for \$15 million per year in the aggregate and \$5 million per claim minimum.*

B. Performance Testing:

1. *The Infilled Synthetic Turf System Vendor shall, at their own expense, have G-Max testing performed by an approved and certified independent testing laboratory prior to requesting Substantial Completion. Testing shall consist of shock attenuation per ASTM F-355-A. The Awarding Authority and Landscape Architect shall be provided with copies of all testing.*
2. *Testing shall be performed at the field's center, the goal locations for all sports and at 10 yards inside each corner of the field. Tests shall also be taken at 4 random spots as chosen by the Landscape Architect or Awarding Authority.*
3. *At no time shall the G-Max be less than 90 nor exceed 125 at any one point of the field. (Refer to Section 32 18 23.30 SYNTHETIC FIELD UNDERLayment, for additional GMax information)*
4. *In cases where the result of a test falls outside the specified values, additional tests shall be taken in 10-foot increments in 4 opposite directions (north, south, east and west) from the failing test point and each subsequent failing test point until all tests fall within the specified values. The failing area shall be marked off, repaired and retested by the Infilled Synthetic Turf System Vendor until all tests fall within the specified values.*
5. *G-Max testing during the remainder of the warranty period will be performed by and at the discretion of the Awarding Authority. Results of these tests will be provided to the Contractor and Infilled Synthetic Turf Vendor.*