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 an in-filled synthetic turf system. The scope of the project shall consist of but is not limited to the following:

1. Manufacture and installation of a synthetic turf system consisting of a nominal 2 1/8” long 50% polyethylene monofilament tape fibers, and 50% parallel fibrillated slit-film fibers tufted into a triple primary backing of woven and non woven fabrics with a heat applied polyurethane secondary backing.

2. Install a resilient infill system consisting of 100% recycled crambient SBR rubber granules or alternatively a homogenous mixture of specifically sized, rounded, washed and kiln dried silica sand and specially graded ground recycled crambient SBR rubber granules. The sand content shall not exceed 30% by weight.

1.02 Qualifications and Submittals
A. The Bidding entity shall meet the following experience criteria:

1. The Bidder shall have been in business for at least five years actively selling and installing in-filled synthetic turf and shall have installed a minimum of 400 full size (65,000 square feet or more) in-filled synthetic turf fields.

2. All Bidders shall submit, with the bid, resumes of both Project Managers and Turf Foreman that will be utilized on the project.

3. The bidder shall be an active member in good standing with the Synthetic Turf Counsel.

4. All Bidders shall submit with the bid a list of 250 completed installations over the last five years. The list shall include installations that are similar in scope and no less than 65,000 square feet in size. The list shall include names and phone numbers of the contacts. The contacts cannot be current or former employees of the Bidder. The list must include at least five projects that are at least four years old.

B. The Bidder shall submit the following with the bid/proposal:

1. Detailed specifications and other descriptive literature, as may be required, to ensure that the Owner is clear on the scope of the turf installation and the specific product proposed.

2. Finished product sample, minimum 10” x 6”.

3. Sample copy of the Manufacturer’s prepaid 8-year Insured Warranty.
At the time of the bid, the Bidder must supply a sample pre-paid Third party Insured Warranty with a minimum $5,000,000.00 aggregate per year that guarantees the usability and playability of the synthetic surface for eight years including:

a) **Coverage Term**: Ninety Six (96) months from the date of completion for all jobs completed.

b) **Limit of Liability**: Minimum of $5,000,000 for all fields installed during the 12 month period.

c) **Deductible**: No deductible shall apply to the Warranty Holder.

d) **Premium**: Premium is pre-paid for the full term of the warranty period or 96 months: Period of indemnity to commence upon acceptance of the project by the owner or at the time the turf field is used for its intended purpose, which ever first occurs.

e) **Bankruptcy or Insolvency**: Bankruptcy or insolvency of the Insured or of the Insured’s estate shall not relieve the insurance company of any of its obligations under its Policy.

f) **Security**: Underwriter - Insurance Company is rated by A.M. Best A- (Excellent) or higher.

C. Manufacturers Warranty

1. The Warranty shall include coverage for damage caused from UV degradation or defects in workmanship and materials in the manufacturing or installation of the synthetic turf.

2. All turf warranties shall be limited to repair or replacement of the affected areas, at the Manufacturer’s option, and shall include all necessary materials, labor, transportation costs, etc. to complete the required repairs.

**Part 2: Materials**

2.01 Synthetic Turf System Materials

1. The 100% polyethylene fiber shall be a combination of two fiber types “Ultrablade M™”, an 8,562 denier monofilament tape material with 116 micron thickness, and “Ultrablade™” a parallel fibrillated fiber, with an 8920 denier and 114 micron thickness, both of which are manufactured exclusively for Sprinturf.

2. The fiber shall be a nominal 2 1/4" long and consists of a nominal 44 ounces per square yard of this combination of “Ultrablade M™” and “Ultrablade™” fibers.

3. The primary backing shall be Stabilon™, an 8.7 ounce triple layered material, consisting of woven and non-woven fabrics. This backing shall be heat and UV resistant, providing dimensional stability in all directions, to prevent stretching, shrinking, creeping and line distortion.

4. The secondary backing shall consist of a heat activated polyurethane coating. The backing shall be heat punched to create a grid of drainage perforations on approximately 2” x 2 ¼” centers. Non-perforated backings shall NOT be acceptable.
5. Install a resilient infill system consisting of 100% recycled crambient SBR rubber granules or alternatively a homogenous mixture of specifically sized, rounded, washed and kiln dried silica sand and specially graded ground recycled crambient or ambient SBR rubber granules. The sand content shall not exceed 30% by weight. The infill system is specifically sized to maximize density and minimize displacement (fly-out).

**Part 3: Turf Executions**

**3.01 Synthetic Turf Installation**

1. The finished stone base must be accepted by the turf contractor for planarity. It shall not vary more than \( \frac{1}{8} \)" in any 10’ direction.

2. The turf rolls are to be installed directly on the laser graded stone base. Extreme care should be taken to avoid disturbing the aggregate base. A 2-5 ton static roller shall be used to compact the base ahead of the placement of each roll of turf.

3. Full width rolls shall be laid out across the field. Using “state of the art” gluing or sewing techniques. If gluing, each roll shall be attached to the next with 12" wide seaming tape and high strength polyurethane adhesive. When all of the rolls of the playing surface have been installed, the sideline rolls shall be installed at right angles to the playing surface rolls. There shall be no “head seams” permitted in the playing area.

4. The infill shall be evenly spread with large drop spreaders, minimum 5’ wide, in multiple layers. Between each layer, the fiber shall be brushed or dragged to insure that fibers are not trapped by the infill.

5. The markings on the field may be painted, field inlaid or factory tufted.

6. The average G-max of the finished system shall as follows:
   
   a. All rubber: Under 150 G’s for the life of the warranty.
   b. Sand and rubber: Under 175 G’s for the life of the warranty.

In order to maintain the G-max, the Owner shall be required to maintain the synthetic grass by following the recommended maintenance and grooming procedures contained in the Sprinturf Maintenance Manual, provided to the Owner.

7. Upon completion of the surface the fiber shall be approximately 1/2” above the finished infill. The finished surface will have the planarity and subtle undulations, similar to a typical natural grass athletic field.

END OF SECTION