

CONSTRUCTION CONTRACT

This Contract (the "Contract") is dated as of the 3rd day of May 2017 by and between the City of Doral (hereinafter called the "CITY") and Sports Turf One, Inc. (hereinafter called "CONTRACTOR") located at: 9819 State Rd 7, Boynton Beach, FL, 33472.

CITY and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 – WORK

1.1 Project/Work: CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as the following: The Project consists of **Turf Replacement at Doral Meadow Park**, all in accordance with the construction drawings as found in Exhibit "A", which is incorporated herein and made part hereof by this reference.

ARTICLE 2 – CITY'S REPRESENTATIVE, ARCHITECT AND ENGINEER

2.1 It is understood that the CITY will designate a representative for the Work. The CITY'S REPRESENTATIVE referred to in any of the Contract Documents designated herein is Lazaro Quintero, Assistant Parks & Recreation Director, at City of Doral Government Center, 8401 NW 53rd Terrace Doral, Florida 33166.

2.2 The CITY's ARCHITECT referred to in any of the Contract Documents designated herein is Browning Day Mullins Dierdorf, 626 North Illinois Street, Indianapolis, Indiana 46204.

2.3 The CITY's ENGINEER referred to in any of the Contract Documents designated herein is Littlejohn Engineering Associates, 1615 Edgewater Drive, Suite 200, Orlando, FL 32804.

ARTICLE 3 – TERM

3.1 Contract Times. The Work shall be substantially completed within **ninety (90) calendar days** after the date specified in the Notice to Proceed ("Substantial Completion"), and completed and ready for final payment in accordance with the Contract Documents within **one hundred twenty (120) calendar days** after the date specified in the Notice to Proceed ("Final Completion").

3.2 Term. This Contract shall not be effective until it is fully executed between the CITY and the CONTRACTOR. The term of the Contract shall be through the date of final payment unless terminated earlier pursuant to Section 00710 – General Conditions, Article 12, Suspension of Work and Termination.

3.3 Survival of Obligations. Any obligations by the CONTRACTOR, including but not limited to those set forth in Section 00710 – General Conditions, Article 13, Contractor's General Warranty and Guarantee, that would or could occur after the date of expiration or termination of the Contract shall survive the termination or expiration of the Contract.

BY

3.4 Liquidated Damages. CITY and CONTRACTOR recognize that time is of the essence in this Contract and that the CITY will suffer financial loss if the Work is not completed within the contract times specified in Section 3.1 for the Work above, plus any approved extensions thereof allowed in accordance with the General Conditions. The CONTRACTOR also recognizes the delays, expense and difficulties involved in proving the actual loss suffered by CITY if the Work is not completed on time. Accordingly, instead of requiring any such proof, CITY and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay CITY **\$1,584.00** for each calendar day that expires after the time specified in Section 3.1 for Substantial Completion of the Work. After Substantial Completion, if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the time specified in Section 3.1 for completion and readiness for final payment or any proper extension thereof granted by CITY, CONTRACTOR shall pay CITY **\$1,584.00** for each calendar day that expires after the time specified in Section 3.1 for completion and readiness for final payment.

3.5 Should the Final Completion and acceptance of Work, together with any modification or additions, be delayed beyond the time for performance set in Section 3.1 above because of lack of performance by the CONTRACTOR, it is understood and agreed that aside from any other liquidated damages, all actual additional costs or losses incurred by the CITY including, but not limited to, completion contractor services, financing, professional services, unrealized revenue, will be the responsibility of the CONTRACTOR.

3.6 Monies due to the CITY under Sections 3.4 and 3.5 shall be deducted from any monies due the CONTRACTOR, or if no money is due or the amount due is insufficient to cover the amount charged the CONTRACTOR shall be liable for said amount.

ARTICLE 4 – CONTRACT PRICE

4.1 CITY shall pay CONTRACTOR for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to this Article. The CONTRACTOR shall provide the Work at a not to exceed amount of **NINE HUNDRED SEVENTY-NINE THOUSAND, SIX HUNDRED TWENTY-SIX DOLLARS AND NO CENTS (\$979,626.00)**.

4.1.1 For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the estimated quantity of that item as indicated on the Unit Price Bid Form Section 00410. Estimated quantities are not guaranteed, and determination of actual quantities and classification are to be made by ENGINEER as provided in the Contract Documents.

4.2 CITY has included a 10% contingency for this Work in the amount of **NINETY-SEVEN THOUSAND, NINE HUNDRED SIXTY-TWO DOLLARS AND SIXTY CENTS (\$97,962.60)**. Contingency funds are separate from the not to exceed amount under section 4.1 and require CITY approval prior to being expended.

4.3 The CONTRACTOR agrees that all specific cash allowances are included in the above Contract Price and have been computed in accordance with the Contract Documents.

ARTICLE 5 – PAYMENT PROCEDURES

5.1 CONTRACTOR shall submit Applications for Payment in accordance with the Section 00710 - General Conditions, Article 11, Payments to Contractor and Completion. Applications for Payment will be processed by CITY as provided in the General Conditions.

5.2 Progress Payments, Retainage. CITY shall make progress payments, deducting the amount from the Contract Price above, on the basis of CONTRACTOR'S Applications for Payment as recommended by the CITY'S REPRESENTATIVE, on or about the last day of each month during construction as provided herein. All such payments will be made in accordance with the schedule of values established in the General Conditions or, in the event there is no schedule of values, as provided in the General Conditions.

5.2.1 No progress payment shall be made until CONTRACTOR delivers to the CITY complete original partial releases of all liens and claims signed by all Subcontractors, materialmen, suppliers, and vendors, indicating amount of partial payment, on a form approved by the CITY, and an affidavit that so far as the CONTRACTOR has knowledge or information, the releases include and cover all Materials and Work for which a lien or claim could be filed for work completed to date.

5.3 The CONTRACTOR agrees that ten percent (10%) of the amount due for Work as set forth in each Application for Payment shall be retained by CITY for each Progress Payment until Final Payment, as defined in Section 00710 - General Conditions, Article 11, Payments to Contractor and Completion.

5.3.1 Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated above, but, in each case, less the aggregate of payments previously made and less such amounts as CITY'S REPRESENTATIVE shall determine, or CITY may withhold, in accordance with the General Conditions.

5.4 The payment of any Application for Payment by CITY, including the Final Request, does not constitute approval or acceptance by CITY of any item of the Work in such Request for Payment, nor shall it be construed as a waiver of any of CITY's rights hereunder or at law or in equity.

5.5 The Final Application for Payment by CONTRACTOR shall not be made until the CONTRACTOR delivers to the CITY complete original releases of all liens and claims signed by all Subcontractors, materialmen, suppliers, and vendors on a form approved by the CITY, and an affidavit that so far as the CONTRACTOR has knowledge or information, the releases include and cover all Materials and Work for which a lien or claim could be filed. The CONTRACTOR may, if any Subcontractor, materialmen, supplier or vendor refuses to furnish the required Final Waiver of Lien, furnish a bond satisfactory to CITY to defend and indemnify CITY and any other property owner, person or entity CITY may be required to indemnify against any lien or claim.

5.6 Final Payment. Upon final completion and acceptance of the Work in accordance with the General Conditions, CITY shall pay the remainder of the Contract Price and any retainage as recommended by the CITY'S REPRESENTATIVE.



ARTICLE 6 – INSURANCE/INDEMNIFICATION.

6.1 Insurance. The CONTRACTOR shall secure and maintain throughout the duration of this Contract, insurance of such type and in such amounts necessary to protect its interest and the interest of the CITY against hazards or risks of loss as specified in the General Conditions of the Contract Documents and as found in Exhibit B.

6.2 Indemnification. The CONTRACTOR shall indemnify, defend and hold harmless the CITY, their officials, agents, employees, and volunteers as set forth in General Conditions of the Contract Documents.

ARTICLE 7 – CONTRACTOR’S REPRESENTATIONS.

In order to induce CITY to enter into this Contract, CONTRACTOR makes the following representations:

7.1 CONTRACTOR has examined and carefully studied the Contract Documents (including the Addenda) and the other related data identified in the Bidding Documents including “technical data.”

7.2 CONTRACTOR has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, performance or furnishing of the Work.

7.3 CONTRACTOR is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress, performance and furnishing of the Work.

7.4 CONTRACTOR has made, or caused to be made, examinations, investigations, tests, or studies as necessary to determine surface and subsurface conditions at or on the site. CONTRACTOR acknowledges that CITY does not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Contract Documents with respect to underground facilities at or contiguous to the site. CONTRACTOR has obtained and carefully studied (or assumes responsibility for having done so) all such additional supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the site or otherwise which may affect cost, progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by CONTRACTOR and safety precautions and programs incident thereto. CONTRACTOR does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the performance and furnishing of the Work at the Contract Price, within the Contract Times and in accordance with the other terms and conditions of the Contract Documents.

7.5 The CONTRACTOR is aware of the general nature of Work to be performed by CITY and others at the site that relates to the Work as indicated in the Contract Documents.

7.6 The CONTRACTOR has correlated the information known to CONTRACTOR, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies and data with the Contract Documents.

7.7 The CONTRACTOR has given the CITY'S REPRESENTATIVE written notice of all conflicts, errors, ambiguities or discrepancies that CONTRACTOR has discovered in the Contract Documents and the written resolution thereof by the CITY'S REPRESENTATIVE is acceptable to CONTRACTOR, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

7.8 The CONTRACTOR warrants the following:

7.8.1 Anti-Discrimination: The CONTRACTOR agrees that it will not discriminate against any employees or applicants for employment or against persons for any other benefit or service under this Contract because of race, color, religion, sex, national origin, or physical or mental handicap where the handicap does not affect the ability of an individual to perform in a position of employment, and to abide by all federal and state laws regarding non-discrimination.

7.8.2 Anti-Kickback: The CONTRACTOR warrants that no person has been employed or retained to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, and that no employee or officer of the CITY or any other applicable federal or state agency, has any interest, financially or otherwise, in the Project. For breach or violation of this warranty, the CITY shall have the right to annul this Contract without liability or, in its discretion, to deduct from the Contract Price or consideration, the full amount of such commission, percentage, brokerage or contingent fee.

7.8.3 Licensing and Permits: The CONTRACTOR warrants that it shall have, prior to commencement of work under this Contract and at all times during said work, all required licenses and permits whether federal, state, County or City.

7.8.4 Public Entity Crime Statement: The CONTRACTOR warrants that it has not been placed on the convicted vendor list following a conviction for public entity crime, as specified in Section 00456, of the Instructions to Bidders.

ARTICLE 8 – CONTRACT DOCUMENTS.

8.1 The Contract Documents listed below, which are listed in their order of precedence for the purpose of resolving conflicts, errors and discrepancies, by this reference shall become a part of the Contract as though physically attached as a part thereof:

8.1.1 Change Orders.

8.1.2 Field Orders.

8.1.3 Contract for Construction.

8.1.4 Exhibits to this Contract.

8.1.5 Supplementary Conditions.

8.1.6 General Conditions.

8.1.7 Any federal, state, county or city permits for the Project

- 8.1.8** Specifications bearing the title: (N/A)
- 8.1.9** Drawings consisting of a cover sheet and inclusive of all sheets bearing the following general titles: Doral Meadow Park Turf Replacement
- 8.1.10** Bid Documents, including but not limited to: Addendum, Invitation to Bid, Instructions to Bidders, Bid Form provided by CONTRACTOR, Notice of Award and Notice to Proceed.
- 8.1.11** Addenda subject matter takes the same precedence of the respective subject matter that it is modifying. Furthermore, each subsequent addendum takes precedence over previous addenda.
- 8.1.12** The documents listed above shall be incorporated into this Contract (except as expressly noted otherwise above).
- 8.1.13** There are no Contract Documents other than those listed above in this Article. The Contract Documents may only be amended, modified or supplemented as provided in the General Conditions.
- 8.1.14** The Contract Documents shall remain the property of the CITY. The CONTRACTOR shall have the right to keep one record set of the Contract Documents upon completion of the Project; provided; however, that in no event shall the CONTRACTOR use, or permit to be used, any or all of such Contract Documents on other projects without the City's prior written authorization.
- 8.1.15** The General Conditions discuss the bond and surety requirements of the CITY. This Contract does [x], does not [] require bonds. If the Contract does not require bonds, the references to bonds in the General Conditions do not apply to this Contract.

ARTICLE 9 – MISCELLANEOUS.

9.1 Terms used in this Contract which are defined in Article 1 of the General Conditions will have the meanings indicated in the General Conditions. Terms used in Article 1 of the Instructions to Bidders also apply to this Contract.

9.2 Except as otherwise provided in the Contract Documents with respect to subcontractors, no assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party thereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

9.3 CITY and CONTRACTOR each binds itself, its partners, successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in the Contract Documents.

9.4 Severability. Should any provision, paragraph, sentence, word, or phrase contained in this Contract be determined by a court of competent jurisdiction to be invalid, illegal, or otherwise unenforceable under the laws of the State of Florida, such provision, paragraph, sentence, word, or phrase shall be deemed modified to the extent necessary in order to conform with such laws, then shall be deemed severable, and in this Contract, shall remain unmodified and in full force and effect.

9.5 Remedies. If and when any default of this Contract occurs, the CITY may avail itself of any legal or equitable remedies that may apply, including, but not limited to, actual damages and specific performance. Such remedies may be exercised in the sole discretion of the CITY. Nothing contained in this Contract shall limit the CITY from pursuing any legal or equitable remedies that may apply.

9.6 Access to Public Records. The CONTRACTOR shall comply with the applicable provisions of Chapter 119, Florida Statutes. The CITY shall have the right to immediately terminate this contract for the refusal by the Contractor to comply with Chapter 119, Florida Statutes. The Contractor shall retain all records associated with this Contract for a period of five (5) years from the date of Final Payment or Termination of this Contract.

9.7 Inspection and Audit. During the term of this Contract and for five (5) years from the date of Termination, the CONTRACTOR shall allow CITY representatives access during reasonable business hours to CONTRACTOR'S records related to this Contract for the purposes of inspection or audit of such records. If upon an audit of such records, the CITY determines the CONTRACTOR was paid for services not performed, upon receipt of written demand by the CITY, the CONTRACTOR shall remit such payments to the CITY.

9.8 Counterparts. This contract may be signed in one or more counterparts, each of which when executed shall be deemed an original and together shall constitute one and the same instrument.

9.9 Notices. Whenever any party is required to give or deliver any notice to any other party, or desires to do so, such notices shall be sent via certified mail or hand delivery to:

FOR CITY:

Edward Rojas, City Manager
City of Doral
8401 NW 53rd Terrace
Doral, Florida 33166

WITH COPY TO:

Daniel Espino
City Attorney
Weiss, Serota, Helfman, Cole & Bierman, PL
2525 Ponce De Leon, Suite 700
Miami, Florida 33134

FOR CONTRACTOR:

WILLIAM GILLAM VP
2819 U.S. HWY 94N
BOYNTON BEACH FL.
33472

9.10 WAIVER OF JURY TRIAL AND VENUE. The CITY and CONTRACTOR knowingly, irrevocably, voluntarily and intentionally waive any right either may have to a trial by jury in State and or Federal court proceedings in respect to any action, proceeding, lawsuit or counterclaim based upon the Contract, arising out of, under, or in connection with the Work, or any course of conduct, course of dealing, statements or actions or inactions of any party. The venue for any lawsuit arising out of this Contract shall be in Miami-Dade County, Florida.

9.11 Attorneys' Fees. If either the CITY or CONTRACTOR is required to enforce the terms of the Contract by court proceedings or otherwise, whether or not formal legal action is required, the prevailing party shall be entitled to recover from the other party all such costs and expenses, including, but not limited to, court costs, and reasonable attorneys' fees at the trial and appellate level.

9.12 Amendments. This Contract may only be amended by the prior written approval of the parties or by execution of a Change Order in the form attached hereto as Exhibit "B".

BY

IN WITNESS WHEREOF, the parties hereto have made and executed this Contract on the respective dates under each signature: THE CITY OF DORAL, FLORIDA, signing by and through its City Manager, authorized to execute same by Council action on the 12th day of April, 2017, and by Sports Turf One, Inc. (Contractor), signing by and through its Vice President, duly authorized to execute same.

WITNESS

CONTRACTOR

By: Keely Haverland
(Signature and Corporate Seal)

Keely Haverland, Secretary
(Print Name and Title)

SPORTS TURF ONE, INC
(Contractor)

[Signature]
(Signature)

WILLIAM GILMAN VP
(Print Name and Title)

3rd day of May, 2017.

ATTEST

[Signature]
Connie Diaz, City Clerk

CITY OF DORAL

[Signature]
Edward Rojas, City Manager

APPROVED AS TO FORM AND LEGALITY FOR THE USE AND BENEFIT OF THE CITY OF DORAL ONLY:

[Signature]
Weiss, Serota, Helfman, Cole & Bierman, PL
City Attorney

(* In the event that the Contractor is a corporation, there shall be attached to each counterpart a certified copy of a resolution of the board of the corporation, authorizing the officer who signs the contract to do so in its behalf.

Exhibit A

Construction Drawings

**BROWNING
DAY MULLINS
DIERDORF**
LEADERSHIP + DESIGN®

Browning Day Mullins Dierdorf
1615 Jackson Avenue
Tampa, FL 33606
813.281.1111
www.browningdaymullinsdierdorf.com
Professional Seal Number: A0001066



Joseph A. Dierdorf
Professional Engineer
State of Florida
License No. 12517

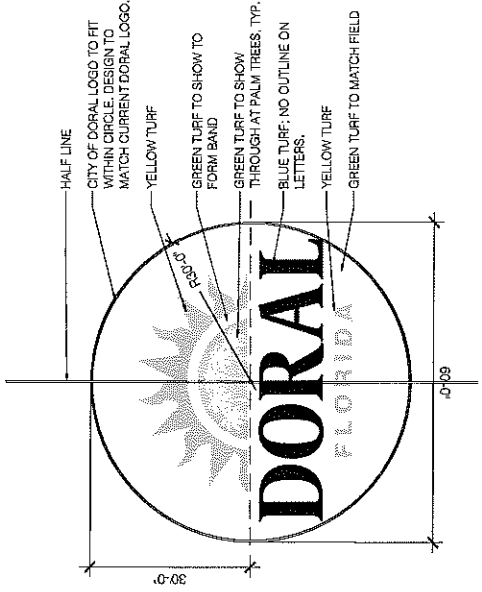
**CONSTRUCTION
DOCUMENTS**

City of Doral
Doral Meadow Park
Turf Replacement
Doral, Florida 33178

Project No.: 18-000
Contract No.: 18-000
Contracted By: City of Doral
Issue Date: January 21, 2017
Revised:

FIELD DETAILS

L7.01



01 DETAIL
FIELD LOGO
1/24/17 1/2" = 1'-0"

SECTION 01 32 00 - CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
 - 1. Contractor's construction schedule.
 - 2. Site condition reports.
 - 3. Special reports.

1.3 DEFINITIONS

- A. Activity: A discrete part of a project that can be identified for planning, scheduling, monitoring, and controlling the construction project. Activities included in a construction schedule consume time and resources.
 - 1. Critical Activity: An activity on the critical path that must start and finish on the planned early start and finish times.
 - 2. Predecessor Activity: An activity that precedes another activity in the network.
 - 3. Successor Activity: An activity that follows another activity in the network.
- B. Event: The starting or ending point of an activity.
- C. Float: The measure of leeway in starting and completing an activity.
 - 1. Float time is not for the exclusive use or benefit of either Owner or Contractor, but is a jointly owned, expiring Project resource available to both parties as needed to meet schedule milestones and Contract completion date.
 - 2. Free float is the amount of time an activity can be delayed without adversely affecting the early start of the successor activity.
 - 3. Total float is the measure of leeway in starting or completing an activity without adversely affecting the planned Project completion date.
- D. Resource Loading: The allocation of manpower and equipment necessary for the completion of an activity as scheduled.

1.4 INFORMATIONAL SUBMITTALS

- A. Format for Submittals: Submit required submittals in the following format:
 - 1. PDF electronic file.
- B. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.
 - 1. The Contractor shall submit an initial schedule with its bid.
- C. Construction Schedule Updating Reports: Submit with Applications for Payment.
- D. Site Condition Reports: Submit at time of discovery of differing conditions.
- E. Special Reports: Submit at time of unusual event.

1.5 COORDINATION

- A. Coordinate Contractor's construction schedule with the schedule of values, submittal schedule, progress reports, payment requests, and other required schedules and reports.
 - 1. Secure time commitments for performing critical elements of the Work from entities involved.
 - 2. Coordinate each construction activity in the network with other activities and schedule them in proper sequence.

PART 2 - PRODUCTS

2.1 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

- A. Time Frame: Extend schedule from date established for the Notice of Award to final completion.
 - 1. Contract completion date shall not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by Change Order.
- B. Activities: Treat each separate area as a separate numbered activity for each main element of the Work. Comply with the following:
 - 1. Activity Duration: Define activities so no activity is longer than 20 days, unless specifically allowed by Owner.
 - 2. Substantial Completion: Indicate completion in advance of date established for Substantial Completion, and allow time for Owner's administrative procedures necessary for certification of Substantial Completion.

3. Punch List and Final Completion: Include not more than 7 days for completion of punch list items and final completion.
- C. Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in schedule, and show how the sequence of the Work is affected.
1. Phasing: Arrange list of activities on schedule by phase.
 2. Work Restrictions: Show the effect of the following items on the schedule:
 - a. Limitations of continued occupancies.
 - b. Uninterruptible services.
 - c. Use of premises restrictions.
 3. Work Stages: Indicate important stages of construction for each major portion of the Work, including, but not limited to, the following:
 - a. Submittals.
 - b. Purchases.
 - c. Deliveries.
 - d. Installation.
 - e. Tests and inspections.
- D. Recovery Schedule: When periodic update indicates the Work is 7 or more calendar days behind the current approved schedule, submit a separate recovery schedule indicating means by which Contractor intends to regain compliance with the schedule. Indicate changes to working hours, working days, crew sizes, and equipment required to achieve compliance, and date by which recovery will be accomplished.

2.2 CONTRACTOR'S CONSTRUCTION SCHEDULE (GANTT CHART)

- A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal, Gantt-chart-type, Contractor's construction schedule within 7 days of date established for the Notice of Award. Base schedule on the startup construction schedule and additional information received since the start of Project.
- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line.

2.3 REPORTS

- A. Site Condition Reports: Immediately on discovery of a difference between site conditions and the Contract Documents, prepare and submit a detailed report. Submit with a Request for Information. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.

2.4 SPECIAL REPORTS

- A. General: Submit special reports directly to Owner within one day(s) of an occurrence. Distribute copies of report to parties affected by the occurrence.
- B. Reporting Unusual Events: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.

PART 3 - EXECUTION

3.1 CONTRACTOR'S CONSTRUCTION SCHEDULE

- A. Contractor's Construction Schedule Updating: At weekly intervals, update schedule to reflect actual construction progress and activities. Issue schedule to Owner.
 - 1. Revise schedule immediately after project meetings or other activity where revisions have been recognized or made.
 - 2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
 - 3. As the Work progresses, indicate final completion percentage for each activity.
- B. Distribution: Distribute copies of approved schedule to the Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
 - 1. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

END OF SECTION

SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.

1.2 USE CHARGES

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated.

1.3 QUALITY ASSURANCE

- A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
- B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.

PART 2 - PRODUCTS

2.1 EQUIPMENT

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

PART 3 - EXECUTION

3.1 TEMPORARY FACILITIES, GENERAL

- A. Conservation: Coordinate construction and use of temporary facilities with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.
 - 1. Salvage materials and equipment involved in performance of, but not actually incorporated into, the Work.

3.2 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.3 TEMPORARY UTILITY INSTALLATION

- A. General: Install temporary service or connect to existing service.
 - 1. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.
- B. Water Service: Install water service and distribution piping in sizes and pressures adequate for construction, or provide water truck at contractor's expense
- C. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
- D. Electric Power Service: Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations.

3.4 SUPPORT FACILITIES INSTALLATION

- A. Temporary Roads and Paved Areas: Construct and maintain temporary roads and paved areas adequate for construction operations. Locate temporary roads and paved areas as indicated on Drawings, and as required by the Owner.
 - 1. Provide dust-control treatment that is nonpolluting and nontracking. Reapply treatment as required to minimize dust.
 - 2. Remove temporary roads at completion of construction operations, and restore disturbed areas to match condition prior to construction operations.
- B. Traffic Controls: Comply with requirements of authorities having jurisdiction.
 - 1. Protect existing site improvements to remain including curbs, pavement, and utilities.
 - 2. Maintain access for fire-fighting equipment and access to fire hydrants.
 - 3. Clean public streets and walks of all dirt and other materials deposited on these surfaces by construction vehicles or due to construction operations.
- C. Parking: Coordinate parking areas for construction personnel with Owner.

- D. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Clean site and surrounding areas daily.

3.5 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
 - 1. Where access to adjacent properties is required in order to affect protection of existing facilities, obtain written permission from adjacent property owner to access property for that purpose.
- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- C. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to undisturbed areas and to adjacent properties and walkways, according to authorities having jurisdiction.
 - 1. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross tree- or plant-protection zones.
 - 2. Inspect, repair, and maintain erosion- and sedimentation-control measures during construction until permanent vegetation has been established.
 - 3. Clean, repair, and restore adjoining properties and roads affected by erosion and sedimentation from Project site during the course of Project.
 - 4. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- D. Stormwater Control: Comply with requirements of authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.
- E. Tree and Plant Protection: Install temporary fencing outside the drip line of trees to protect vegetation from damage from construction operations. Protect tree root systems from damage, flooding, and erosion.
- F. Pest Control: Engage pest-control service to recommend practices to minimize attraction and harboring of rodents, roaches, and other pests and to perform extermination and control procedures at regular intervals so Project will be free of pests and their residues at Substantial Completion. Perform control operations lawfully, using materials approved by authorities having jurisdiction.

- G. Staging Area Enclosure Fence: Before construction operations begin, furnish and install staging area enclosure fence in a manner that will prevent people from easily entering site except by entrance gates.
 - 1. Extent of Fence: As indicated on Drawings.
 - 2. Maintain security by limiting number of keys and restricting distribution to authorized personnel. Furnish one set of keys to Owner.
 - 3. Fence shall be 6'-0" high chain link with green, vision blocking screen mesh. Fence to have post at spacing required, and continuous top rail.
- H. Security Enclosure and Lockup: Provide temporary, lockable entrance gates in existing fence to prevent unauthorized entrance, vandalism, theft, and similar violations of security. Lock entrances at end of each workday. Remove temporary gates and restore fence utilizing materials matching existing.
- I. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- J. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities.

3.6 OPERATION, TERMINATION, AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- B. Maintenance: Maintain facilities in good operating condition until removal.
- C. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
 - 1. Materials and facilities that constitute temporary facilities are property of Contractor.
 - 2. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period.

END OF SECTION

SECTION 02 41 16 - DEMOLITION

PART 1 GENERAL

1.01 WORK INCLUDED

- A. Removal and disposal of designated pavements, concrete, curbs, culverts, utilities and other structures.

1.02 RELATED WORK

- A. Section 31 11 00: Clearing and Grubbing
- B. Section 31 22 13: Site Excavation

1.03 QUALITY ASSURANCE

- A. Contractor Qualifications: Minimum of 5 years experience in demolition of comparable structures.
- B. Requirements of Regulatory Agencies:
 - 1. Comply with requirements of codes.
 - 2. Comply with requirements of local Public Health Authority.
 - 3. Comply with local utility companies and/or utility districts.

1.04 SUBMITTALS

- A. Certificates of severance of utility services.
- B. Permit for transport and disposal of debris.
- C. Demolition procedures and operational sequence for review by Owner's Representative

1.05 JOB CONDITIONS

- A. Protection:
 - 1. Erect barriers, fences, guard rails, enclosures, chutes, and shoring to protect structures, and utilities remaining intact.
 - 2. Protect designated trees and plants from damage.
- B. Maintaining Traffic:
 - 1. Ensure minimum interference with roads, street, driveways, sidewalks, and adjacent facilities.
 - 2. Do not close or obstruct streets, sidewalks, alleys or passageways without permission from authorities having jurisdiction.
 - 3. If required by governing authorities, provide alternate routes around closed or obstructed traffic ways.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION

3.01 PREPARATION

- A. Prepare adjacent areas to prevent injury, movement or settlement of structures which are to remain.
- B. Arrange for, and verify termination of utility services to include removing meters and capping lines.
- C. Remove items scheduled to be salvaged for Owner, and place in designated storage area.

3.02 DEMOLITION

- A. Remove concrete pavement, base, curbs, gutters, sidewalks, driveways, etc. And dispose of as follows:
 - 1. Dispose of items which are not more than two feet below subgrade elevation.
 - 2. Break items more than two feet below subgrade elevation into sizes not to exceed twelve inches in maximum dimension and leave in place, unless it interferes with succeeding items of construction.
 - 3. Stockpile ballast; gravel other pavement materials when required.
- B. Coordinate removal and relocation of power poles, traffic signal poles, street lighting, telephone lines and site lighting, with the local electric utility.
- C. Remove existing water services, sanitary sewer and storm drainage pipe and structures as indicated and as necessary to facilitate new construction.
- D. Remove old foundations, cisterns, etc., which may be encountered within the building area.

3.03 DEBRIS REMOVAL

- A. Promptly remove demolition debris from site.
- B. Obtain permission from applicable regulatory authority for disposal of debris to waste disposal site.
- C. Do not store or burn materials on site.

END OF SECTION

SECTION 31 11 00 - CLEARING AND GRUBBING

PART 1 GENERAL

1.01 WORK INCLUDED

- A. Clearing, grubbing, removal and disposal of vegetation, rocks, roots and debris within the limits of the work except objects designated on the drawings to remain.
- B. Preserve from injury or defacement all vegetation and objects to remain.

1.02 RELATED WORK

- A. Section 02 41 16: Demolition
- B. Section 31 22 13: Site Excavation
- C. Section 31 23 40: Backfilling and Finish Grading

1.03 LIMITS OF WORK

- A. Construction area established by drawings.
- B. Approved borrow pit areas.
- C. Designated stockpiles of construction material other than borrow material.

1.04 PROTECTION

- A. Protect living trees not marked for removal and outside the construction area. Treat cut or scarred surfaces of trees or shrubs with a paint prepared especially for tree surgery.
 - 1. Trees shall be protected by fencing to be located around the entire perimeter of the tree at the approximate dripline location.
 - 2. Shrubs and bushes shall be protected by fences or barricades.
 - 3. Shallow-rooted plants shall be protected at ground surface under and in some cases outside the spread of branches by ground cover protection consisting of 6-inch additional soil or crushed rock to be removed at completion of project.
- B. Protect benchmarks and existing structures, roads, sidewalks, paving and curbs against damage from vehicular or foot traffic.
- C. Maintain designated temporary roadways, walkways and detours, for vehicular and pedestrian traffic.

PART 2 PRODUCTS

- A. Fence shall be plywood or dimension lumber; suitable salvaged materials are acceptable.
- B. Wound paint shall be a standard bituminous product.
- C. Barricades shall be in accordance with local governing authority.

PART 3 EXECUTION

3.01 PREPARATION

- A. Maintain benchmarks, monuments and other reference points. Re-establish if disturbed or destroyed at no cost to Owner.

3.02 CLEARING AND GRUBBING

- A. Clear and grub areas required for access to site and execution of the work. Remove all stumps, roots within limits of grubbing to the depths below.
 - 1. Footings - 18 inches.
 - 2. Walks - 12 inches.
 - 3. Roads - 18 inches.
 - 4. Parking areas - 12 inches.
 - 5. Lawn areas - 8 inches.
 - 6. Fills - 12 inches.
 - 7. In the case of footings, roads, walks, or other construction on fills, the greater depth shall apply.
- B. Remove low hanging, unsound or unsightly branches on trees or shrubs designated to remain.
- C. Trim approximately ten feet.
- D. Grub borrow pit and stockpile areas of all objectionable material. Strip overburden before placing material in stockpile areas.
- E. Perform clearing and grubbing well in advance of construction or material removal activities.

3.03 PRUNING

- A. If trees, shrubs and other perennial growth are damaged in the course of Work of this Contract, prune damaged branches back to the first health (i.e., the nearest undamaged forks in branches or to the trunk) in accordance with standard practices of the industry.
 - 1. Where branches are cut back to the trunks, completely remove branches so there is no stub to become infected, and so that bark can heal itself over the cut.
 - 2. "Head-Back" cuts (cuts at right angles to the line of growth) of branches away from a fork will not be permitted.
- B. Paint wounds over 1 inch in diameter.

3.04 DEBRIS REMOVAL

- A. Promptly remove cleared debris from site.
- B. Obtain permission from applicable regulatory authority for disposal of debris to waste disposal site.
- C. Do not burn or bury materials on site.

3.05 REPAIRS

- A. Should utilities to remain or other physical property be damaged by work of this Section, repair damage.
- B. Backfill all excavations opened as a result of the work of this Section with the type of fill specified in Section 31 23 40 for the individual locations.

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END OF SECTION

SECTION 31 22 13 - SITE EXCAVATION

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Excavating and grading for:
 - 1. Roadways & Parking areas.
 - 2. Building pads.
 - 3. Embankment areas.
 - 4. Waterways and ditches (including inlet structures and outlet ditches, channels, waterways, etc.)
- B. Excavating of unsuitable material from beneath structured areas and fill embankment areas.

1.02 RELATED WORK

- A. Section 22 14 00: Storm Drainage Systems
- B. Section 31 11 00: Clearing and Grubbing
- C. Section 31 23 35: Excavating and Backfilling for Service Utilities
- D. Section 31 23 40: Backfilling and Finish Grading
- E. Section 31 71 15: Proof Rolling

1.03 QUALITY ASSURANCE

- A. Testing Laboratory and Soils Engineer:
 - 1. The Soils Engineer and Testing Laboratory's fees will be paid by the Owner except when the Soils Engineer or Testing Laboratory personnel are notified by the Contractor that work will be in progress, and they (Soils Engineer or Laboratory personnel) come to job site and work is not in progress. In that case, the Contractor shall pay for Soils Engineer's or laboratory personnel's time and mileage. Contractor shall pay for retesting as required.
 - 2. Have earth borrow fill and structural fill tested and approved by designated testing laboratory before moving it to the job site.
 - 3. Areas where building and paved areas will be located shall be proof-rolled to determine adequacy of soils compaction. Other areas will be inspected by Soils Engineer to determine adequacy in other areas.
 - 4. Soils compaction testing of in-place soil, and filling compacted areas will be performed by Testing Laboratory in accordance with their requirements.
 - 5. Verify quantities of materials where unit prices are involved.

1.04 EXISTING CONDITIONS

- A. Known underground, surface and aerial utility lines, and buried objects are indicated on the Drawings.
- B. Do not interrupt existing utilities service to facilities occupied and used by the Owner or others, except when permitted in writing, by Owner's Representative and then only after temporary utility services have been provided.

1.05 PROTECTION

- A. Protect trees, shrubs and lawns, rock outcroppings and other features remaining as part of final landscaping.
- B. Protect benchmarks, existing structures, fences, roads, sidewalks, paving and curbs against damage from equipment and vehicular traffic.
- C. Protect aerial, surface, or underground utility lines and appurtenances which are to remain.
- D. Repair damage.
- E. Erosion control must be maintained. Refer to notes on General Note's sheet and Erosion and Sediment Control Details plan.

1.06 ENVIRONMENTAL REQUIREMENTS

- A. Provide for surface drainage during the period of construction in a manner to avoid creating a nuisance to adjacent areas. Keep excavations free of water during the entire progress of the work, regardless of the case, source, or nature of the water. Refer to the geotechnical report for details regarding the sensitivity of existing soils to moisture.
- B. Trees shall be left undisturbed, insofar as possible, as shown on drawings.

1.07 SEDIMENT AND EROSION CONTROL

- A. Install all erosion control measures prior to beginning site grading operations.
- B. Protect newly graded areas from erosion. Where necessary, temporarily seed disturbed areas with Bahia or annual rye grass at a rate of 4 lbs/1000 sq. Ft. If seeding is necessary in summer months, contact the Owner's Representative for an approved seeding application.
- C. Repair settlement and erosion which occurs prior to acceptance of work.
- D. Temporary Ditch Checks: Place two unbroken straw bales in a "V" formation, with open end upstream in ditches as directed by Owner' Representative. Place ditch check at 50 foot intervals for ditches, with slopes between 1.0 percent and 3.0 percent. For ditches steeper than 3.0 percent, place at 25 foot intervals and stake each bale firmly with a 2" x 4" wood stake or other means as directed by the Owner's Representative.
- E. Leave straw bale ditch checks in place throughout construction except when ditches are fine graded, and seeded or sodded.
- F. Perform periodic maintenance on ditch checks to remove sediment and replace straw bales as necessary so as not to inhibit flow or runoff.

1.08 REFERENCE STANDARDS

- A. Determine soil's maximum dry density and optimum moisture in accordance with ASTM D698.
- B. Soil and rock borings or soundings, if provided, are:
 - 1. For information purposes only.
 - 2. No guarantee of existing conditions.
 - 3. No substitute for investigations deemed necessary by Contractor.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Topsoil: Excavated materials, graded free of roots, subsoil, debris, large weeds, toxic substances, and rocks greater than 1 inch.

PART 3 EXECUTION

3.01 PREPARATION

- A. Establish and identify required lines, levels, contours and datum.
- B. Maintain benchmarks, monuments, and other reference points. Reestablish if disturbed or destroyed, at no cost to Owner.
- C. Before start of grading, establish the location and extent of utilities in the work areas. Notify utilities to remove and relocate lines which are in the way of construction.
- D. Maintain, protect, reroute or extend as required existing utilities to remain which pass through the work area.
- E. Upon discovery of unknown utility or concealed conditions, discontinue affected work and notify the Architect.

3.02 REMOVAL OF TOPSOIL

- A. Remove topsoil of horticultural value from areas to be excavated and regraded, and stockpile in designated area.
- B. Do not permit topsoil to be mixed with subsoil.
- C. Do not strip topsoil when wet.

3.03 GENERAL SITE EXCAVATION

- A. Do not excavate wet subsoil materials.
- B. Excavate subsoil required to allow placement of compacted backfill under paving and site structures, and to accommodate construction operations.
- C. Machine slope banks to angle of repose or less until shored.
- D. Removed lumped subsoil, boulders and rock.
- E. Completely remove stumps, roots over 1 inch in diameter, and similar on-grade and below-grade obstructions within the area to be covered by new construction and for a distance of 10 feet beyond area in all directions. In other areas disturbed by grading, remove such obstructions to a depth of 2 feet below subgrade.
- F. Correct unauthorized excavation, including areas over-excavated by error, at no extra cost to the Owner.
- G. Stockpile excavated material in designated area on site to a depth not exceeding 8 feet and protect from erosion. Remove excess material not being reused from site. Stockpile areas are to be identified during a pre-construction meeting of the jobsite.
- H. If existing basements, cellars, cisterns, wells, septic tanks, drain fields, cesspools, catch basins, sink holes, manholes and similar items are encountered, remove to solid subgrade and break up masonry and/or concrete bottoms so that no pieces remain over 12 inches in their longest dimension.

3.04 PREPARATION OF NATURAL GROUND

- A. Proof-Roll in accordance with section 31 71 15. Owner's Representative is to identify any unstable areas.
- B. Unsuitable subgrades identified by the Owner's testing agency shall be undercut and replaced with properly compacted fill as noted in remedial work.
- C. Subgrade soils shall be scarified and compacted to at least 95% of the standard proctor maximum dry density (ASTM D698) for a depth of at least 8" below the surface.

3.05 REMEDIAL WORK

- A. Any exposed subgrades determined by the Owner's testing agency as being unsuitable shall be undercut to a depth identified by the testing agency and backfilled under the appropriate provisions of Section 31 23 35 for the location.
 - 1. Notify the Architect to obtain approval prior to beginning undercutting operations.
 - 2. Keep records of material quantities removed and replace as specified in Division 1 and have materials verified by the Owner's testing agency.
- B. Excavate shallow temporary drainage ditches to facilitate removal of excess moisture from subgrade areas.
- C. Backfill and compaction of areas excavated under this Section is specified in Section 31 23 35.

3.06 CLEAN-UP AND DISPOSAL OF DEBRIS

- A. Remove surplus materials and debris from site.

END OF SECTION

SECTION 31 23 00 - SYNTHETIC GRASS FIELD BASE

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Furnish all labor, materials, tools and equipment necessary to install artificial turf sub-base materials as required by the turf manufacturer's requirements and as specified herein.

1.3 REFERENCES

- A. ASTM Standard Test Methods:
 - 1. F355 - Standard Test Method for Shock-Absorbing Properties of Playing Surfaces.
 - 2. D1557 - Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort.

1.4 PRE-INSTALLATION MEETING

- A. The Turf Base Installation Contractor shall convene a pre-installation meeting to include the Owner, Architect, Contractor and Primary Subcontractors a minimum of one week before starting work of this section.
 - 1. Provide 48 hours notice of meeting time to all proposed participants

1.5 DELIVERY, STORAGE, AND PROTECTION

- A. Deliver products to project site in wrapped condition.
- B. Store products under cover and elevated above grade.

PART 2 – PRODUCTS

2.1 MATERIALS

A. STONE GRADATION SPECIFICATIONS

1. Either base stone type 1 or base stone type 2 may be used, depending on availability. The turf contractor must be consulted and approve the sieve analysis of the stone selected. Other processed stone types may be substituted if approved by the Engineer and Turf Manufacturer.

GRADATION SPECIFICATIONS TABLE
%PASSING

Sieves	Base Stone Type 1	Base Stone Type 2	Finishing Stone
3" or 75mm			
2" or 50mm	100		
1½" or 38mm	90-100		
1" or 25mm	75-100	100	
¾ or 19mm	65-95	90-100	
½" or 12.5mm	55-85	80-100	100
3/8" or 9.5mm	40-75	70-100	85-100
¼" or 6.3mm	25-65	60-90	75-100
US #4 or 4.75mm	15-60	50-85	60-90
US #8 or 2.36mm	0-40	30-65	35-75
US #16 or 1.18mm	0-20	10-50	10-55
US #30 or 600mm	0-10	0-35	0-40
US #60 or 250mm	0-8	0-15	0-15
US #100 or 150mm	0-6	0-8	0-8
US #200 or 75mm	0-5	0-2	0-2

RESTRICTIONS:

To ensure structural stability: $\frac{D_{60}}{D_{10}} > 5$ and $1 < \frac{D_{30}^2}{D_{10} D_{60}} < 3$
Fragmentation must be 100%.

To ensure separation of both stones: $\frac{D_{85} \text{ of finishing stone}}{D_{15} \text{ of base stone}} > 2$

and $3 < \frac{D_{50} \text{ of base stone}}{D_{50} \text{ of finishing stone}} < 6$

To ensure proper drainage: Permeability of base stone > 50 in/hr (3.5×10^{-2} cm/sec)
Permeability of finishing stone > 10 in/hr (7.0×10^{-3} cm/sec)
Porosity of both stones > 25%
(When stone is saturated and compacted to 95% Proctor.)

Depending on the type of rock present in the crushed stone mix, other mechanical characteristics might be necessary for approval

- "Dx" is the size of the sieve (in mm) that lets pass x% of the stone. For example, D₆₀ is the size of the sieve that lets 60% of the stone pass. These sizes, for calculation purposes, may be obtained by interpolation on a semi-log graph of the sieve analysis.

Should the field need to support heavy vehicles, consideration must be given for the load bearing requirements of the base. A special processed stone applied in a single lift may be substituted for this dual lift design, but only with the approval of the engineer and the turf contractor/manufacturer.

B. Geotextile Material: Porous, non-woven polypropylene

1. Amoco 4545 or equal as recommended in writing by the manufacturer.

C. Composite Under-Field Drainage System

1. Composite under-field Drainage System shall be the following:
 - a. Varicore Technologies: Multi-Flow

PART 3 - EXECUTION

3.1 GENERAL

- A. The installation shall be performed in full compliance with approved Shop Drawings.
- B. The base work and drainage shall be performed to the satisfaction of the turf manufacturer and certified turf applicator. The base works contractor shall have on site a Superintendent experienced in the installation of sports base facilities. This individual's resume shall be supplied prior to commencement of the work.

3.2 EXAMINATION OF THE BASE BY THE TURF INSTALLATION SUPERVISOR

- A. Verify that all sub-base, drainage and leveling is complete prior to installation and that the sub-base meets all tolerance-to-grade requirements.
- B. The surface to receive the synthetic turf shall be inspected by the Turf Installer, and prior to the beginning of installation, the Turf Installer must accept, **in writing**, the sub-base surface planarity. The surface must be perfectly clean as installation commences and shall be maintained in that condition throughout the process.

- C. Confirm the compaction of the aggregate base by testing.
- D. Confirm by on-site inspection and testing that the sub-base is acceptably permeable.

3.3 INSTALLATION--GENERAL

- A. Install in accordance with Manufacturer's instructions. The Base Contractor and the Turf Contractor shall strictly adhere to the installation procedures outlined under this section. Any variance from these requirements must be accepted in writing, by the Manufacturer's on-site representative, and submitted to the Architect/Owner, verifying that the changes do not in any way affect the warranty. Infill materials shall be approved by the Manufacturer and installed in accordance with the Manufacturer's standard procedures.
- B. The site's overall soil and drainage properties shall be tested and reported on by the testing laboratory employed by the Owner for this project.
- C. Borings should be analyzed to reveal the following information (depth of each boring to be at least ten feet or to refusal):
 - (a) Soil classification at various depths.¹
 - (b) Moisture content, by layer.²
 - (c) Percolation rate, by layer.³
 - (d) Sieve analysis, by layer.⁴
 - (e) Soil unconfined compressive strength at different depths.⁵
⁵ASTM Test Method D2166
 - (f) Standard proctor on sub base layer⁶
⁶ASTM Test Method D698
- D. The presence of any rock, ledge, water or expansive clay, organic materials and debris should be reported.
- E. SUB-BASE REQUIREMENTS

¹ASTM Test Method D2487

²ASTM Test Method C566

³ASTM Test Method D2434 or D3385

⁴ASTM Test Method D422

1. All topsoil, organic, and non-compacting materials must be removed.
2. The soil subgrade shall be proof-rolled as described in the Geotechnical Report. Unacceptable soils, as determined by the Soils Engineer, shall be removed and replaced with engineered fill.
3. The soil bed must be compacted in both directions to attain the specified compaction rate, which is 95% standard Proctor.
4. The soil bed must be prepared to tolerances of not more than 1/4" from design grade to allow for even drainage.
5. After sub-base has been properly graded, contoured and sloped as required, it shall be compacted using a ten (10) ton vibrating roller, as close as possible to 95% Proctor density.
6. A suitable geo-textile fabric is required to cover the soil subgrade. The fabric shall be a material suitable for the application, a porous non-woven polypropylene stabilization fabric (Amoco 4545, or similar, if suitable.). Place over the base aggregate overlapping the seams properly.

3.4 INSTALLATION OF PERIMETER COLLECTORS

- A. Excavate perimeter drainage collector trenches as indicated. The trenches should be constructed with a minimum 0.5% slope commencing at the low point of the collection system and extending to the high points. Collection trenches should be void of all debris.
- B. The trenches shall be backfilled using premium materials and compacted by hand tamping (or equivalent machinery) to a minimum 95% of the maximum density.
- C. The fabric should be placed in the perimeter trench first. This fabric should be separate from the fabric on the field. Overlap field and trench liners at least 18" in the direction of runoff flow.
- D. Overlap all seams a minimum of eight inches. When overlapping fabric, lap in direction the runoff flows.
- E. Weight down the fabric with ballast to prevent fabric movement by wind.
- F. Perimeter Collector Pipe: Place perforated plastic pipes in the perimeter collector trenches as indicated. The centerline of the pipe shall coincide with the centerline of the trench. The pipe shall be capable of withstanding the anticipated loading without deformation. Each header should be designed to handle the maximum runoff related to rainfall in that particular locale. Collector headers must be drained to an acceptable, efficient storm sewer, or approved discharge outlet. Pre-manufactured fittings shall be used for all connections into the collector drainage network.
- G. A minimum of 2" clean, drainable crushed stone aggregate shall be placed in the bottom of the collector trenches, on top of the geotextile. The crushed aggregate must be compacted suitably.

- H. Place a minimum of 4" clean, crushed aggregate on the sides of the underdrain pipes and headers, and 6" minimum of the aggregate on top of the pipe network. Compact suitably.

3.5 INSTALLATION OF THE PREFABRICATED COMPOSITE UNDER-DRAIN SYSTEM

- A. Install prefabricated under-drain system of size indicated in herringbone design as shown on drawings and as specified. Connect to perimeter drains with prefabricated transitions.
- C. The strip drain consists of a formed polymeric core surrounded by a geotextile filter fabric.
- D. The Contractor shall supply all necessary connectors and waterproof tape and is responsible for a proper and secure connection to the collectors.
- E. Tape the under drains every 20' to the fabric, or as shown on drawings, using suitable duct tape.

3.6 INSTALLATION OF THE OPEN GRADE CRUSHED STONE BASE COURSE

- A. The crushed base stone must be laid without damaging the soil bed, geotextile liner or membrane, or the underlying flat composite drains. Do not create any depressions in the sub-grade with heavy equipment. The specified stone or aggregate supplied must conform to the recommended specifications, as noted above. The finished crushed stone or aggregate base supplied must be stable and permeable. The stone shall be damp when transported to site and shall be kept damp during installation, to minimize segregation of the materials.
- B. If the required compacted depth of the base course exceeds 6", the base shall be constructed in 2 or more layers or lifts of approximate equal thickness. Each layer must be compacted in both directions to attain the specified compaction rate.
- C. The open graded aggregate base course must be sloped as indicated from the center longitudinal axis towards the sidelines or as specified on the Plans.
- D. The grade of the base course shall not vary from the specified grade by more than 1/2" from design grade.
- E. The base course must be compacted in both directions to attain the specified compaction rate, which is generally 95% standard, Proctor.

3.7 INSTALLATION OF THE CRUSHED STONE FINISHING LAYER

- A. The final lift of aggregate layer should not be more than 2" deep.
- B. The final lift material must be sloped as indicated on the drawings to achieve final field elevations and slopes indicated.

- C. The final grade must be compacted in both directions to attain the specified compaction rate, which is generally 95% standard, Proctor
- D. The final grade of the finishing stone shall not vary from the specified grade by more than 1/4" from design grade, nor by more than 1/4" when measured under a 10 ft straightedge, in all directions. **Laser guided fine grading is mandatory.** This tolerance is required over the entire field. Check the tolerance-to-grade by means of an orbital laser once the stone is fine graded and compacted to proper density. The turf contractor/installer must inspect and approve the final tolerance-to-grade of the dynamic stone base.

END OF SECTION 31 23 00

SECTION 31 23 35 - EXCAVATING AND BACKFILLING

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Excavation for piped utility material.
- B. Provide necessary sheeting, shoring and bracing.
- C. Prepare trench bottom with appropriate materials.
- D. Dewater excavation as required.
- E. Place and compact granular beds, as required, and backfill.

1.02 RELATED WORK

- A. Section 22 14 00: Storm Drainage Systems
- B. Section 31 11 00: Clearing and Grubbing
- C. Section 31 22 13: Site Excavation
- D. Section 31 23 40: Backfilling and Finish Grading

1.03 TESTS

- A. Test and analysis of fill materials will be performed to determine compaction of trench backfill in accordance with ASTM D698 and under provisions of Division 1 of the Specifications.
 - 1. Have aggregate tested prior to moving material to the job site.

1.04 PROTECTION

- A. Protect excavations by shoring, bracing, sheet piling, underpinning, or other methods required to prevent cave-in or loose soil from falling into excavation.
- B. Underpin adjacent structures which may be damaged by excavation work, including service utilities and pipe chases.
- C. Notify the Architect of unexpected subsurface conditions and discontinue work in affected area until notification to resume work.
- D. Provide surface drainage to keep excavations free of water. Grade the top perimeter of excavations to prevent surface water run-off into excavations. Pump if required.
- E. Protect bottom of excavations and soil adjacent to and beneath foundations from frost.
- F. Protect Public utilities at project site property lines to prevent damage.

1.05 QUALITY ASSURANCE

- A. Comply with requirements of the local department of public works.

1.06 COORDINATION

- A. Schedule trench excavations so that those pipes passing under foundations are in place and trenches are properly backfilled before foundations are placed.
- B. Coordinate with other trades affected by this work.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Pipe and structure bedding:
 - 1. Coarse aggregate: ASTM D448 Size No 57, pit run or natural crushed stone or gravel, free from shale, clay, friable material and debris.
 - 2. Fine aggregate: Clean, natural or manufactured sand, washed, free of silt, loam, friable or soluble materials, and organic matter, with no more than 15% finer than a No. 200 sieve.
- B. Trench and pit backfill:
 - 1. Engineered fill material specified in Section 31 23 40, for areas outside of building and pavement areas.
 - 2. Granular backfill for structural loaded areas.

PART 3 EXECUTION

3.01 PREPARATION

- A. Identify required lines, levels, contours, and datum under provisions of the Division 1 of the Specifications.

3.02 EXCAVATION

- A. General:
 - 1. Make excavations sufficiently wide to enable installation of utilities and allow inspection. Hand trim excavation and leave free of loose matter.
 - 2. Remove lumped subsoil, boulders, and rock.
 - 3. Depths: Unless otherwise indicated, excavate to a depth which will allow placement of pipes below frost line, but in no case less than 2 feet below finished grade.
 - 4. When excavation is in rock, over excavate at least 6 inches and backfill with sand for bedding.
 - 5. Do not allow excavation to interfere with normal 45° bearing splay of foundations.
 - 6. Correct unauthorized excavation at no cost to the Owner. Fill over-excavated areas under pipe bearing surfaces in accordance with direction by the Architect.
 - 7. Provide separate trenches for water lines and sewer lines. Provide separation specified in individual utility Sections.
 - 8. Stockpile excavated material in an area designated on the site. Keep material separate from materials stockpiled for reuse as backfill for structures and lawn areas. Remove excess materials from the site.
 - 9. Do not allow any pipe to be laid in wet, muddy or frozen trenches.
- B. Trenches:
 - 1. Bell and spigot type piping:
 - a. Excavate trenches wide enough to allow for proper jointing, bedding and visual inspection of at least the top half of each side of pipe.
 - b. Excavate to a depth below fill aggregate so that tops of all piping is at least one foot below bottoms of concrete slabs.

- c. Sewer and drain lines: Unless otherwise indicated, establish uniform rates lines will have a drop of 1/4 inch per foot inside of the building, and 1/8 inch per foot outside of the building.
 - d. Excavate so that bottom is uniformly smooth, and with bell holes scooped out so that the barrel of each length of pipe is fully supported.
2. Copper pipe, PVC pipe and electrical conduit:
- a. Excavate to a depth below fill aggregate, or furrow out fill aggregate, as applicable, so that tops of all runs are at least 6 inches below bottoms of concrete slabs after bedding is accomplished.
 - b. In earth fill below aggregate, excavate to a depth of at least 6 inches below bottoms of runs in final position and backfill with sand. Tamp sand to settle it and provide a smooth surface to uniformly support runs.
 - c. In furrowed out fill aggregate, line trenches with a layer of roofing felt. Place at least 3 inches of sand on top of felt and tamp it smooth.
 - d. Trenches may be narrow provided materials to be installed can be properly bedded, connected and inspected.

C. Pit Excavation:

1. Excavate pits for items such as, but not limited to, manholes, catch basins, and grease traps to depths required for proper installation of items.
2. Make bottoms smooth and level.
3. Over excavate sides of pit enough to provide space for construction of forms or masonry work, as required, for proper installation and inspection.

3.03 INSPECTION

- A. Verify that stockpiled fill is approved.
- B. Verify that adjacent construction is braced to support surcharge forces imposed by backfilling operations.
- C. Verify areas to be backfilled are free of debris, snow, ice or water, and that ground surfaces are not frozen.

3.04 BACKFILLING

- A. General:
 1. Do not backfill until lines are installed, tested, and approved.
 2. Support pipe and conduit during placement and compaction of bedding fill.
 3. Backfill to contours and elevations. Backfill systematically, as early as possible, to allow maximum time for settlement. Do not backfill over porous, wet or spongy surfaces.
 4. Place and compact fill materials in continuous layers not exceeding 6 inches in loose depth.
 5. Maintain optimum moisture content of backfill materials to attain required compaction density.
 6. Remove surplus backfill materials from the site.
 7. Leave stockpile areas completely free of excess fill materials.

- B. Backfilling pipe 4 inches in diameter and larger:
 - 1. Bed pipe a minimum depth of 6 inches and extend pipe springline. Place bedding to uniformly support pipe along the entire length and tamp to a dense condition.
 - 2. Backfill with approved materials to level of adjacent grades by placing in 6-inch maximum lifts and compacting each lift as specified herein.
- C. Backfilling pipe less than 4 inches in diameter:
 - 1. Bed pipe a minimum depth of 3 inches and extend to one foot above top of pipe. Place bedding to uniformly support pipe along the entire length and tamp to a dense condition.
 - 2. Backfill with approved materials to level of adjacent grades by placing in 6-inch maximum lifts and compacting each lift as specified herein.
- D. Backfilling pits:
 - 1. Do not backfill pits until items have been completed and tested.
 - 2. Concrete, masonry and cast iron items: Backfill with coarse aggregate. Place aggregate in one-foot layers and compact each layer after it is placed.
 - 3. Where items are placed in lawn areas, fill aggregate to within 2 ft. Of finished grade, and finish backfilling to grade with earth fill. Tamp and compact earth fill to the same density as adjacent grade materials.
 - 4. Where items are placed in areas covered by paving or other hard surfaced construction, fill with coarse aggregate to bottom of base course.

3.05 TOLERANCES

- A. Top surfaces of backfilling: 1 inch.

3.06 COMPACTION

- A. Structural areas (outside of building pad): Compact to 95% of the proctor density specified above. The upper 18" of the backfill shall be compacted to 98% of ASTM D698.
- B. Lawn and landscape areas: Compact to 90% of the proctor density specified above.

3.07 CLEAN-UP

- A. After work of this Section is completed, leave areas clean and free from debris.
- B. After backfill is complete, remove excess earth fill material and spread on the job site in a designated area. Excess aggregate fill shall be removed from the job site and disposed of in accordance with local regulations.

END OF SECTION

SECTION 31 23 40 - BACKFILLING AND FINISH GRADING

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Finish grade sub-soil.
- B. Cut out areas to receive stabilizing base course materials for paving and sidewalks.
- C. Place, finish grade and compact topsoil.

1.02 RELATED WORK

- A. Section 31 11 00: Clearing and Grubbing
- B. Section 31 22 13: Site Excavation
- C. Section 31 23 35: Excavating and Backfilling for Service Utilities
- D. Section 31 71 15: Proof-Rolling

1.03 PROTECTION

- A. Prevent damage to existing trees to remain, bench marks, pavement, and utility lines. Correct damage at no cost to the Owner.

1.04 QUALITY ASSURANCE

- A. Contractor will employ a qualified testing laboratory to observe this work and make tests required. Testing Lab will:
 - 1. Have borrow fill, aggregate, sand and topsoil tested and approved before it is moved to the project site.
 - 2. Observe proof-rolling of site to determine adequacy of in-place soils. If soils are not adequate to bear weights which will be imposed, Testing Lab will direct corrective action to be taken.
 - 3. Test in-place soil and filled and compacted areas. If these are not adequate to bear weights imposed, Testing Lab will advise the Structural Engineer of his recommendations. He will direct any corrective measures that are necessary.
 - 4. Verify quantities of material removed and quantities of material placed, where Unit Prices are involved.

PART 2 PRODUCTS

2.01 FILL MATERIALS

- A. Refer to the Geotechnical Engineering Study for the suitability of on-site soil materials for use as engineered fill for final site grading. If suitable, the material shall be observed and tested by the on-site geotechnical testing firm to determine it's suitability as fill beneath pavement areas.
- B. Refer to the specifications for fill beneath building areas.

PART 3 EXECUTION

3.01 BACKFILLING

- A. Examination: Verify fill materials to be reused are acceptable under requirements of the Contract Documents.
- B. Preparation:
 - 1. Proofroll subgrade prior to fill placement as specified in Section 31 71 15, and repair unstable subgrades prior to placement.
 - 2. Lime stabilization of subgrade materials will be required to utilize high-plasticity on-site soil materials beneath pavement areas. The on-site testing representative shall observe operations and provide compliance testing.
- C. Backfilling:
 - 1. Backfill areas are to required elevations with unfrozen specified materials and compact to density equal to or greater than requirements specified below.
 - 2. Systematically backfill to allow maximum time for natural settlement. Do not backfill over porous, wet, frozen, or spongy subgrade surfaces.
 - 3. Place and compact materials in continuous layers not exceeding the following thickness in compacted depth:
 - a. Granular fill: 8 inches.
 - b. Cohesive fill: 8 inches.
 - 4. Maintain soil at optimum moisture content of backfill materials for structurally loaded areas within a range of 0 to +2 percentage points above the optimum moisture content value to attain required compaction density.
- D. Slopes:
 - 1. Minimum slope grade away from building minimum 0.2 feet in 10 feet unless indicated otherwise. Achieve a slope of 0.5 feet in 10 feet, wherever possible.
 - 2. Make grade changes gradual. Blend slope into level areas.
- E. Stockpile areas:
 - 1. Remove surplus backfill materials from the site or dispose of on-site in a designated area.
 - 2. Leave areas completely free of excess materials.
- F. Field quality control:
 - 1. Field inspection and testing will be performed as defined in Division 1 of the specifications.
 - 2. Test and analysis of fill materials will be in accordance with ASTM D698.
 - 3. Compaction testing will be performed in accordance with ASTM D1556 or other method recommended by the Contractor's testing agency and acceptable to the Owner's Representative.
 - 4. If test indicates the work of this Section does not meet specified requirements, remove, replace and retest materials at no cost to the Owner.
 - 5. Proofroll compacted fill surfaces under slabs-on-grade and paving for a distance of 10 feet beyond slabs and paving in all directions under provisions of Section 31 71 15.

3.02 PROTECTION OF FINISHED WORK

- A. Recompact fills subjected to vehicular traffic.

3.03 SCHEDULE

- A. The paragraphs below identify location, fill material to be used (identified from lower to upper fill material), compacted thickness of each fill, and compaction expressed as a percentage of maximum density and optimum moisture in comparison with soil proctor specified above.
- B. Areas under building: Refer to Structural specifications for fill requirements beneath the building envelope.
- C. Seeded, sodded and landscaped areas: Engineered or earth fill to 6 inches below finish grade, compacted to 90%.
- D. Asphalt Paving: Engineered fill to 18" below bottom of base course compacted to 95%. Upper 18" of subgrade shall be compacted to 98%.
- E. Concrete paving: Engineered fill to 18" below bottom of base course compacted to 95%. Upper 18" of subgrade shall be compacted to 98%.
- F. Concrete walks and pads: Engineered fill to bottom of aggregate course, compacted to 95%.

3.04 PLACING TOPSOIL

- A. Place topsoil in areas where seeding, sodding, and planting is to be performed. Place to the following minimum depths, up to finished grade elevations:
 - 1. 6 inches for seeded areas.
 - 2. 6 inches for sodded areas.
- B. Use topsoil in relatively dry state. Place during dry weather.
- C. Fine grade topsoil eliminating rough and low areas to ensure positive drainage. Maintain levels, profiles and contours of sub-grades.
- D. Remove stone, roots, grass, weeds, debris and other foreign material while spreading.
- E. Manually spread topsoil around trees and plants to prevent damage which may be caused by grading equipment.
- F. Lightly compact placed topsoil.

3.05 CLEAN-UP

- A. Upon completion of work of this Section, clean up and leave area free of debris, excess material, and equipment.
- B. Any excess earth shall be disposed of on-site by the contractor in an area to be designated by the owner's representative.

END OF SECTION

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SECTION 31 71 15 - PROOF-ROLLING

PART 1 - GENERAL

1.01 RELATED WORK

- A. Section 31 05 50: Site Excavation
- B. Section 31 23 40: Backfilling and Finish Grading

1.02 QUALITY ASSURANCE

- A. The Owner will employ a testing agency to observe proof-rolling operations and make required test.
- B. Do not perform proof-rolling operations unless testing agency personnel are present.
- C. Neither proof-rolling operations or subsequent fill operations will be acceptable for payment unless testing agency personnel views proof-rolling.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Vehicle: Loaded rubber tired dump truck having a single axle weight of approximately 30,000 lbs, or similar equipment.

PART 3 - EXECUTION

3.01 PROOF-ROLLING

- A. Areas to proof-roll:
 - 1. Areas to be covered by construction.
 - 2. Areas to be covered with fill.
 - 3. Lawn areas attained by excavation.
 - 4. Areas 10 feet beyond the above areas in all directions.
- B. Observation: Run Vehicle at normal walking speed so that the testing agency personnel may observe the ground at all times. Testing personnel will conduct additional test they deem necessary to determine existing conditions. Testing personnel will direct remedial actions they deem necessary.

3.02 REMEDIAL WORK

- A. Remedial work required by testing agency after viewing proof-rolling operations are specified in individual sections requiring proof-rolling.
- B. Provide Lime stabilization in accordance with the Florida State Department of Highways and Public Transportation - latest Edition.

END OF SECTION

SECTION 31 10 13 - SITE CLEARING AND PREPARATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Protecting existing vegetation to remain.
 - 2. Protecting existing stone base under existing synthetic surface system.
 - 3. Removal of existing synthetic surface system complete.
 - 4. Removal of existing drainage ballast and HDPE edge drain from intermediate and edge drainage systems.
 - 5. Removal of existing drainage mat material and liner.
 - 6. Removal and replacement of synthetic surface system curb nailer.
 - 7. As-Built Survey to confirm existing conditions.

1.3 MATERIAL OWNERSHIP

- A. Except for materials indicated to remain Owner's property, cleared materials shall become Contractor's property and shall be removed from Project site.

1.4 INFORMATIONAL SUBMITTALS

- A. Existing Conditions: Documentation of existing adjoining construction, and site improvements that establishes preconstruction conditions that might be misconstrued as damage caused by site clearing.
 - 1. Use sufficiently detailed photographs or video recordings.
 - 2. Include plans and notations to indicate specific existing damage.

1.5 FIELD CONDITIONS

- A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.

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1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner.
 2. Provide alternate routes around closed or obstructed trafficways if required by Owner.
- B. Utility Locator Service: Notify utility locator service for area where Project is located before site clearing.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Curb Nailer: Wood - Plastic Composite Lumber
1. Material Description: Composite Decking consisting of recycled Linear Low Density Polyethylene (LLDPE) and recycled wood.
 - a. Subject to compliance with requirements, provide Trex Company Inc. 'Transcend' 2 x square edge composite members.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protect and maintain benchmarks and survey control points from disturbance during construction.
- B. Protect existing site improvements, existing site utilities, existing drainage systems, and lawn areas to remain from damage during construction.
1. Restore damaged improvements, utilities, drainage systems, and lawn areas to their original condition, as acceptable to Owner.

3.2 SITE IMPROVEMENTS

- A. Remove existing synthetic field surface system complete, include synthetic turf and infill materials.
1. Plan removal activities to minimize disturbance of the existing stone base under the synthetic surfacing.
- B. Remove existing drainage mat including geotextile fabric layers, and plastic liner system complete.

- C. Inspect existing synthetic field surface system perimeter concrete curb and walk edge. Inform Owner's representative if any damage or deterioration is present which would impact the installation of the new synthetic field surface system.
- D. Remove existing 2x treated wood nailer from concrete curb and walk edge, and install composite lumber nailer of same size, utilizing installation method as recommended by the manufacturer.
- E. Prepare base and existing lateral drainage outfalls as indicated on the drawings to accept new drainage system components.

3.3 FIELD QUALITY CONTROL

- A. The Contractor shall engage a registered surveyor to perform a twenty-five foot grid survey to determine that planarity of the base surface and existing perimeter curb and walk elevations meet specified requirements, to allow for installation of field systems as indicated.
 - 1. If existing elevations vary from those indicated, contact Owner's Representative.
 - 2. Submit written report noting existing conditions and elevations to the Owner's Representative.

3.4 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Remove surplus materials, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.

END OF SECTION

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SECTION 32 18 23.29 – SYNTHETIC FIELD SURFACE SYSTEM

PART I – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections apply to this Section.

1.2 SUMMARY

- A. The work under this section shall consist of furnishing all labor, materials, and equipment necessary to install, in place, all synthetic turf and other materials as indicated on the plans and as specified herein, for a complete, finished installation. The installation of all new materials shall be performed in strict accordance with these specifications, the manufacturer's instructions and in accordance with all details and shop drawings. Work shall include but not be limited to:
 - 1. Acceptance of prepared sub-grade.
 - 2. Coordination with related trades to ensure a complete, integrated, and timely installation as provided under its respective trade section and as required by the synthetic turf installer/manufacturer.
- B. The synthetic surface field system used on this project shall comply with the City of Doral "Code of Ordinances", Division 7 "Artificial Turf". A copy of Division 7 is included with this specification. It shall be the bidder/proposer's responsibility to review this Article to confirm that no changes to the "Code of Ordinances" or Article 7 have been made prior to the bid. Compliance with the Ordinance is mandatory.

1.3 REFERENCE STANDARDS

- A. ASTM – American Society for Testing and Materials
 - 1. D1577 - Standard Test Method for Linear Density of Textile Fiber
 - 2. D5848 - Standard Test Method for Mass Per Unit Area of Pile Yarn Floor Covering
 - 3. D1338 - Standard Test Method for Tuft Bind of Pile Yarn Floor Covering

4. D1682 - Standard Method of Test for Breaking Load and Elongation of Textile Fabrics
5. D5034 - Standard Test Method of Breaking Strength and Elongation of Textile Fabrics (Grab Test)
6. F1015 - Standard Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces
7. D4491 - Standard Test Methods for Water Permeability of Geotextiles by Permittivity
8. D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
9. F355 - Standard Test Method for Shock-Absorbing Properties of Playing Surfaces.

C. British Standard

1. BS7044 – Method 4 – Determination of Infiltration Rate.

1.4 SUBMITTALS

- A. The following mandatory submittals shall be submitted **with the bid**. Submit data and samples in sufficient detail to indicate synthetic field surface system's compliance with the requirements of the Contract Documents:

1. Product Data: For each type of product indicated.
 - a. Manufacturer's brochures, specifications, and preparation recommendations.
 - b. Manufacturer's methods and instructions for installation.
 - c. Fiber manufacturer's name, type of fiber, and composition of fiber.
2. Test Results: Certified by a licensed independent testing laboratory, indicating compliance with mandatory and minimum specifications as listed in Part 2.
3. Material Samples: Submit samples of exact synthetic turf and infill system specified for this project.
 - a. Sample of turf and infill in standard sample container.
 - b. 12 inch x 12 inch minimum sample of the seaming method, without infill.
4. Sample Warranty: Provide a sample pre-paid, third party insured warranty, indicating that Manufacturer's warranty complies with the requirements

noted in Paragraph 1.9 "Warranty". Sample warranty shall demonstrate that Policy is in force at the time of the bid. Include Warranty Certificate, Accord Certificate, copy of the actual Insurance Policy, and proof of A.M. Best Rating for the insured warranty provider.

5. Submit Manufacturer's Qualification information noted in the 'Quality Assurance' article, Paragraph 1.5.A, below.
6. Name of a maximum of two Supervisors and Installation Companies proposed for this project. Final selection of the supervisor and installation company may come after award.
7. Installation Confirmation Letter: From the Manufacturer confirming that the supervisor and installation staff that will complete this project have been properly trained and have professional experience in the methods required in the Contract Documents. Letter shall also certify that the installation will be constructed to the requirements of the Contract Documents, and that the Contract Documents are approved by the Turf Manufacturer for use with the proposed synthetic turf system.
8. Copy of current, valid State of Florida General Contractor License.
9. Test data which confirms that proposed turf complies with City of Doral "Code of Ordinances", Article 7.

B. The following shall be submitted **after contract award**:

1. Shop Drawings: Show fabrication and installation details for synthetic turf including, but not limited to:
 - a. Seaming location and layout.
 - b. Perimeter and project specific details.
2. Physical samples of turf fibers in colors required and proposed for this project.

D. Operations and Maintenance Data: Submit two copies of O&M data in binders, along with one electronic copy, in .pdf format on a flash drive.

E. Project Record Documents: Record actual locations of seams and other pertinent information in accordance with the General Requirements.

1. Submit final fifteen-foot grid field survey.

F. Warranty: Submit final, executed warranty completed in Owner's name and registered with the Manufacturer.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section. The following must be submitted with the bid. The turf manufacturer:

1. Shall provide documentation demonstrating experience in the manufacture of slit-film grass turf for a minimum of five (5) years. This includes the use of slit film fiber and installation method.
2. Shall provide a list of 10 field installations of the specified product and system in play for at least two years with reference contact information. Field size to be a minimum of 65,000 square feet.
3. Shall provide documentation confirming that the manufacturer has in-house, certified inspectors perform fiber testing on tensile strength, elongation, denier, shrinkage, and twist, upon receipt of fiber spools from fiber manufacturer, and during the turf manufacturing process.

B. Installer Qualifications:

1. Installation team shall be an established, insured installation firm experienced as a premium turf installer, with suitable equipment and supervisory personnel. Installation Company shall have a minimum of five years of experience in the installation of 15 foot wide tufted materials.
2. Installation team shall be trained and certified, in writing, by the turf manufacturer, as competent in the installation of the specified material, including seaming and proper installation of the infill mixture.
3. Site superintendent shall have at least 10 installations similar to this type.
4. **Contractor shall have a current, valid State of Florida General Contractor's License.**

C. Source Limitations: Obtain synthetic turf through one source from a single manufacturer. Installer shall also obtain the required rubber infill materials from a Manufacturer approved, single source provider.

D. All components and their installation methods shall be designed and manufactured for use on outdoor athletic fields. The materials as hereinafter specified should be able to withstand full climatic exposure, be resistant to insect infestation, rot, fungus and mildew; to ultra-violet light and heat degradation, and shall have the basic characteristic of flow-through drainage

allowing free movement of surface run-off through the turf and directly into the field drainage system.

E. Pre-Installation Conference: Conduct conference at project site at time to be determined by Owner. Review methods and procedures related to installation including existing conditions and preparatory work performed under other contracts.

1. In addition to the Contractor and installer, arrange for attendance of installers affected by the Work and the Owner's representative.

F. The Contractor shall verify special conditions required for the installation of the system.

G. The Contractor shall notify the Owner of any discrepancies.

1.6 PROJECT CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit synthetic turf work to be performed according to Contractor or Manufacturer's written instructions and warranty requirements.

B. Field Measurements: Indicate measurements on Shop Drawings.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Staging area must be approved by the Owner prior to start of construction. Do not stage or store materials in areas not approved by the Owner.

B. Deliver and store components with labels intact and legible.

C. Store materials/components in a safe place, under cover, and elevated above grade.

D. Protect from damage during delivery, storage, handling and installation. Protect from damage by other trades.

E. Inspect all delivered materials and products to ensure they are undamaged and in good condition.

1.8 SEQUENCING AND SCHEDULING

A. Coordinate the Work with installation of work of related trades as the Work proceeds.

B. Sequence the Work in order to prevent deterioration of installed system.

1.9 WARRANTY:

A. The synthetic turf provider shall provide a pre-paid warranty to the Owner that covers defects in materials and installation workmanship of the turf for a minimum period of eight (8) years from the date of substantial completion. The turf manufacturer must verify that their representative has inspected the installation and that the work conforms to the manufacturer's requirements and any written directives. The manufacturer's warranty shall include general wear and damage caused from UV degradation. The warranty shall be fully third-party insured; pre-paid for the entire eight year term, and be non-prorated. Prior to final payment for the synthetic turf, the Contractor shall submit to the Owner notification in writing that the field is officially added to the annual policy coverage, guaranteeing the warranty to the Owner. The insurance policy must be underwritten by an A.M. Best 'A-' rated carrier, or better, and shall have the following policy features and values:

1. Insurance coverage shall specifically provide for reimbursement to the warranty holder in event of bankruptcy of the synthetic turf provider
2. Insurance coverage shall apply to playing surface inclusive of infill, seaming, labor and colored inlays for markings and logos.
3. Insurance coverage shall apply to the full 8 year period from completion date of project, with no uninsured periods or periods of self-insurance.
4. Insurance coverage shall not have exclusions for epidemic or catastrophic failure.
5. Insurance coverage shall not limit the hours of use.
6. Insurance coverage shall not exclude heavy trafficked areas or related uses such as team practices.
7. Insurance coverage shall not exclude any colored turf fibers.
8. The Insurance Carrier must be licensed in the state of the facility.
9. Insurance coverage offers a minimum claim limit of (US) \$ 15 million in the aggregate per annum.
10. Insurance coverage offers a minimum claim limit of (US) \$ 5 million per field.
11. Policy shall not include any form of deductible amount.
12. Policies that include self-insurance or self-retention clauses shall not be considered.
13. Response to warranty repair claim shall be within 24 hours of notification of the Owner, with on-site repair started within 48 hours of the repair claim, unless otherwise coordinated and scheduled with and approved by the Owner.

B. The synthetic field surface system must maintain a G-Max of less than 170 for the life of the warranty per ASTM F355-01.

1.10 MAINTENANCE SERVICE

- A. Contractor shall train Owner's facility maintenance staff in the use of the recommended maintenance equipment.
 - 1. Turf Manufacturer shall be available to address the Owner's Facility Maintenance Staff questions or issues related to the maintenance of the turf for a minimum period of one year.
- B. Manufacturer shall provide maintenance guidelines to the facility maintenance staff, as part of the comprehensive Operations and Maintenance Manual.

1.11 EXTRA MATERIAL

- A. Furnish extra synthetic surface turf material and rubber infill matching products installed on the project for use by the Owner.
 - 1. Synthetic Turf Material: One hundred square feet
 - 2. Turf Infill: Amount of material not exceeding 0.05% of the amount of material installed on this project, or lesser amount requested by Owner.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements and City of Doral "Code of Ordinances", provide products by one of the following:
 - 1. A-Turf: Premier XP series
 - 2. APT: Gridiron series
 - 3. FieldTurf USA: XT-65
 - 4. Greenfields: XP series
 - 5. Hellas: Velocity series
 - 6. ProGrass: Xtreme Turf FB
 - 7. Shaw Sports Turf: Momentum HP
 - 8. Sprinturf: Ultrablade
 - 9. UBU Sports: S5-R
- B. Alternative Manufacturers:
 - 1. Prior Approval: Unless otherwise provided for in the Contract documents, proposed product substitutions may be submitted no later than fourteen (14) working days prior to the date established for receipt

of bids. Acceptability of a proposed substitution is contingent upon the Architect's review of the proposal for acceptability and approved products will be set forth by an Addenda. If included in a Bid are substitute products that have not been approved by Addenda, the specified products shall be provided without additional compensation.

2. The proposed substitution shall be submitted as described in Document 00 26 00 "Procurement Substitution Procedures", and must meet all requirements of this section. Submittals that do not provide adequate data for evaluation of the product will not be considered.

2.2 MATERIALS AND PRODUCTS

A. Artificial grass system materials shall consist of the following:

1. Carpets made of slit film fibers tufted into a perforated backing.
 - a. Fibers shall be manufactured using a C8 or C6 metallocene polymer or proprietary fiber meeting same performance characteristics. C4 or blended polymers are not acceptable.
 - b. Fiber pigments shall be UV stable and heavy metal free.
2. Infill: Lead-free, substantially all-rubber crumb infill playing surface.
 - a. Typically available, manufacturer tested systems indicated in 2.1.A, utilizing a sand or similar granular, thin 'ballast' layer are acceptable. Primary fill depth shall be substantially all-rubber.
3. Glue, thread, seaming fabric and other materials used to install and mark the artificial grass slit film turf, as specified and approved by the manufacturer.

B. The installed artificial grass slit film turf shall have the following minimum properties:

Minimum Face Weight	ASTM D 5848	36 oz/sq. yd / 50 oz/sq.yd. *
Minimum Primary Backing Weight	ASTM D 5848	6.5 oz/square yard
Minimum Secondary Backing Weight	ASTM D 5848	16 oz/square yard
Minimum Total Weight	ASTM D 5848	59 oz/sq.yd./ 76.5 oz/sq. yd. *
Tufting Gauge	ASTM D 5793	3/8" – 3/4" *
Minimum Fiber Height	ASTM D 5823	2.5"
Minimum Stitches per 3"	ASTM D 5793	7 stitches
Tuft Bind Value	ASTM D 1335	> 7 lbs
Surface Flammability	ASTM D 2859	PASS

Grab Tear Strength	ASTM D 5034	> 200 lbs.
Infiltration Rate w/ Infill	BS7044	Exceed 30 in/hr.
Fiber Denier	ASTM D 1907	Minimum 9000
Fiber Thickness	ASTM D 3218	Minimum 100 microns
Fiber Breaking Load	ASTM D 2256	Minimum 17 lbs.
Fiber Melting Point	ASTM D 789	Minimum 220° F.
Soccer Shoe Traction – Wet or Dry	ASTM F1551	Static COF 1.30 min – 1.60 max. Dynamic COF 0.85 min –

* Note: The lower values noted will be considered only on the basis of wider turf gauge and increased infill weight. The basis of design for typical 3/8" – 1/2" stitch gauge and minimum 4.0 oz./sq. yd. infill weight are the higher values indicated.

C. Carpet Rolls: Carpet shall be 15' wide rolls.

1. Rolls shall be of adequate length to run from field sideline to sideline. No head or cross seams shall be allowed within the playing surface.
2. Perimeter lines, player areas, and other lines shall be tufted in, as typical with the turf manufacturer. Other markings to be inlaid.
3. Primary carpet color shall be Field Green.
 - a. The east football field shall have alternating color bands, starting with a 10-yard band of Field Green centered on the 50 yard line, then alternating between Field Lime (or similar as selected by the Owner from manufacturer's full range of available colors) and Field Green at five-yard intervals, symmetrically in each direction.
4. Other fiber colors shall be as follows:
 - a. White: Football markings
 - b. Yellow: Soccer markings
 - c. Blue Matching Pantone 661C or approved by Owner: Logo and east field end zone areas.
 - d. Yellow Matching Pantone 116C or approved by Owner: Logo
5. Yard line number font shall be Century Schoolbook.
6. All markings shall comply with the most current edition of the NFHS rules.

D. Turf Seaming: All roll seams are to be sewn.

1. All seams are to be sewn utilizing a machine approved by the manufacturer. The thread shall be treated to ensure it will maintain its tensile strength for a minimum of eight (8) years under heavy sports field use and while subjected to exterior elements.
2. Sewn seams are to be completed using a double-locking, flat seam stitch or sewn selvage (flap) seam system. Seam systems that place

turf fibers face-to-face or overlap fibers, trapping fibers in the seam, are not acceptable.

E. Inlaid Lines, Markings and Logos:

1. All non-tufted lines, markings, and logos are to be adhered utilizing an adhesive approved by the synthetic field surface manufacturer.
2. The adhesive utilized shall be approved by the synthetic field surface manufacturer for use with the turf material proposed.
3. The approved adhesive shall be applied at the rate specified by the adhesive manufacturer, utilizing its recommended application method.
4. A single hand stitch shall be inserted on all inlaid lines, markings, or logos where the inserted material comes to an angle less than 90 degrees or on a radius every three linear feet.

F. Carpet Backing:

1. The primary backing shall consist of a minimum of two layers of polypropylene fabric.
2. The secondary backing shall be a minimum 16 ounce urethane coating.
3. Turf Drainage: Turf drainage shall be via holes cauterized or perforated through the turf backing, as standard with the Turf Manufacturer to achieve drainage rate specified. Holes are to be a minimum 3/16 inch diameter, spaced not more than 4 inches apart in each direction to form a drainage grid. The perforations are to be 90% efficient to provide the minimum drainage specified.

G. Infill Material: The infill shall consist of metal-free SBR rubber granules:

Rubber Sieve Specification	10 – 20 mesh
Rubber Weight	Minimum 4.0 lbs./square foot
Infill Height	Minimum 1.75 inches

2.3 FIELD GROOMER AND SWEEPER

A. A field groomer and field sweeper shall be provided as part of this work.

1. Field groomer and sweeper shall be equipped with a towing attachment compatible with a field utility vehicle.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Installer shall verify that the base installation and leveling is complete prior to installation.

- B. Examine substrates and conditions, with Installer present, for compliance with requirements for visual installation tolerances. Proceed with installation only after satisfactory conditions have been corrected.
- C. Certification of prior work: The synthetic turf manufacturer and / or installation contractor shall perform a visual inspection with the Owner and/or Owner's representative present of the field base onto which the synthetic turf system is to be installed and to examine the finished surface for required planarity. After any discrepancies between the required materials, application and tolerance requirements noted have been corrected, the synthetic turf installer should submit a written certification of acceptance of the base for installation of the synthetic turf system.
- D. Do not proceed with installation until unsatisfactory conditions are corrected.
- E. Beginning of installation signifies acceptance of existing conditions.

3.2 PREPARATION

- A. Dimensions of the field and locations for markings shall be measured by a registered surveyor to verify conformity to the specifications and applicable standards. A record of finished field as-built measurements shall be made.
 - 1. Surveyor shall not use any spikes or any marking methods that may penetrate the membrane layer, or drainage panels. If penetrations or damage occurs, the surveyor shall be responsible for payment to the party making the repairs to the damaged membrane or drainage panel material.
- B. Inspect delivered field surface fabric and components immediately prior to installation. Any damaged or defective items shall be rejected.
- C. Environmental Conditions: Begin installation only when conditions comply with manufacturer's requirements.
- D. Coordinate installation with any athletic equipment anchors installed by others.

3.3 INSTALLATION OF THE SYNTHETIC TURF

- A. Installation of all materials shall be performed in full compliance with approved project shop drawings. Only factory trained technicians skilled in the installation of athletic caliber synthetic turf systems, working under the direct supervision of the manufacturer's supervisors, shall undertake the placement of the turf system. The designated supervisory personnel on the project must be certified, in writing, by the turf manufacturer as competent in the installation of these materials,

including proper seaming and proper installation of the infill. The manufacturer shall certify the installation and warranty compliance.

- B. The carpet rolls are to be installed directly over the properly prepared base stone.
- C. The full width rolls shall be laid out across the field. When all of the rolls of the playing surface have been installed, the sideline areas will be installed at right angles to the playing field turf. Seams shall be flat, tight and permanent with no separation or fraying.
- D. The perimeter of the field shall be firmly secured to the edge anchor nailers in accordance to project details and manufacturer's standards.
- E. Resilient Infill
 - 1. The infill material shall be spot inspected and tested for conformance to sieve specifications. Any metal found in the infill materials shall be cause for rejection of the material and immediate inspection of all materials.
 - 2. Infill must be placed in such a way as to minimize fiber entrapment. The turf shall be brushed as the mixture is applied.
 - 3. The infill must be uniformly applied so as to ensure uniform, predictable surface. The turf installation contractor shall take numerous on site measurements to confirm the uniformity of the infill.

3.4 FIELD LINING, MARKINGS, AND LOGOS

- 1. All markings and inlaid lines shall be installed in accordance with prior approved project Shop Drawings.
- 2. Striping layouts shall be accurately surveyed by the Contractor before installation of inlaid field markings
- 3. Install inlays only when the surface is completely dry. Install all inlays securely into place utilizing methods as specified and recommended by the manufacturer.

3.5 FIELD QUALITY CONTROL

- A. Testing Agency: The Contractor shall engage a qualified independent testing and inspecting agency acceptable to the Owner, to perform field tests and inspections and prepare test reports.
 - 1. Copies of all test reports shall be submitted to the Owner.
- B. Testing Services: Testing and inspecting of completed applications of synthetic turf system shall take place in suggestive states, in areas of extent and using

methods that are industry standard. Do not proceed with application of next stages until test results for previously completed applications show compliance.

- C. The Contractor shall remove and replace items where test results indicate non-compliance with specified requirements.
- D. Tests that will be performed include, but are not necessarily limited to the following:
 - 1. Five (5) permeability tests of completed turf system to confirm installed field drainage complies with the specifications, per BS7044 – Method 4.
 - 2. G-Max performance testing of completed turf system, per ASTM F355-01 standards.
- E. The Contractor shall have a registered surveyor perform a fifteen foot grid as-built survey of the synthetic field surface system to confirm that final field planarity meets specifications. Copy of survey shall be provided to the Owner as an 'As-Built' for record.

3.6 FINAL ACCEPTANCE

- A. Prior to final acceptance, the Contractor shall submit Maintenance Manuals, which will include all necessary instructions for the proper care and preventative maintenance of the synthetic turf system.

3.7 CLEANING

- A. Contractor shall provide the labor, supplies and equipment as necessary for final cleaning of surfaces and installed items.
- B. All usable remnants of new material shall become the property of the Owner.
- C. Surfaces, recesses, enclosures, and other spaces shall be cleaned to leave the work area in a clean, immaculate condition ready for immediate occupancy and use by the Owner.

3.8 PROTECTION

- A. Protect installation throughout construction until date of final completion, and Owner acceptance.

END OF SECTION

CITY OF DORAL, FLORIDA - CODE OF ORDINANCES
DIVISION 7. - ARTIFICIAL TURF

Sec. 71-225. - Intent.

- (a) *Use of artificial turf.* The use of artificial turf is permitted subject to obtaining homeowner association and building department approval, and meeting and maintaining compliance with the provisions of this subsection.
- (b) *Installation.* The installation of artificial turf is permitted in the residential, public parks and recreation, private parks and recreation, open space, commercial uses, and in centerline median of city-owned roads.

(Ord. No. 2015-10, § 2, 2-18-2015)

Sec. 71-226. - Minimum requirements.

- (a) All artificial turf shall comply with the following minimum requirements:
 - (1) Artificial turf shall consist of green like individual blades of grass that emulate natural turf in look and color and shall have a pile height of 1 1/8 to 1½ inches for all uses, except for indoor and/or outdoor recreational uses where the pile-height shall be 1.75 to 2.5 inches. The residential and non-residential minimum turf weight is 56 ounces per square yard. The indoor and outdoor recreational uses, including playground the minimum turf weight is between 50 and 81.5 ounces per square yard.
 - (2) Where artificial turf is utilized for institutional recreational uses (e.g. playgrounds, athletic fields), the artificial turf product installed shall be designed for the intended use and meet the appropriate standards.
 - (3) The use of rubber infill material shall be prohibited except where artificial turf is utilized for institutional recreational uses (e.g. playgrounds, athletic fields).
 - (4) All artificial turf shall have a minimum eight year manufacturer's warranty that protects against color fading and a decrease in pile height.
 - (5) Artificial turf shall be lead free.
 - (6) All materials submitted for approval must be accompanied by test documentation which declares that the artificial turf and yam and backing materials are disposable under normal conditions, at an US landfill station (Total Content Leach Protocol "TCLP" test).
 - (7) The use of indoor or outdoor plastic or nylon carpeting as a replacement of synthetic turf or natural turf shall be prohibited.

(Ord. No. 2015-10, § 2, 2-18-2015)

Sec. 71-227. - Installation, maintenance and repair standards.

- (a) All artificial turf shall comply with the following minimum installation/maintenance/repair standards:
- (1) Artificial turf shall be treated as impervious. The quantity of artificial turf to be incorporated into the landscaping of a project shall be limited by the impervious surface ratio (ISR) for the subject property within the applicable zoning district.
 - (2) All artificial turf shall, at a minimum, be installed according to the manufacturer's specifications.
 - (3) All seams shall be nailed and glued, or sewn, and edges shall be trimmed to fit against all regular and irregular edges to resemble a natural look.
 - (4) All artificial turf installations shall be anchored to ensure that the turf will withstand the effect of wind.
 - (5) Artificial turf shall be visually level with the grain pointing in a single direction.
 - (6) An appropriate solid barrier device (e.g. concrete mow strip, bender board) is required to separate artificial turf from soil and live vegetation.
 - (7) Precautions for installation around existing trees shall be provided to ensure that tree roots are not damaged with the installation of the base material and that the overall health of the tree will not be compromised.
 - (8) All artificial turf shall be maintained in a green fadeless condition and shall be maintained free of dirt, mud, stains, weeds, debris, tears, holes and impressions. Maintenance shall include, but not be limited to cleaning, brushing, debris removal; repairing of depressions and ruts to maintain a visually-level surface; elimination of any odors, flat or matted areas, weeds, and evasive roots; and all edges of the artificial turf shall not be loose and must be maintained with appropriate edging or stakes.
 - (9) All artificial turf must be replaced if it falls into disrepair with fading or holes or loose areas. Replacement and repairs shall be done with like materials from the same manufacturer and done so in a manner that results in a repair that blends in with the existing artificial turf.
 - (10) In no case shall artificial turf be installed within permanent drainage features (e.g. ponds, swales, and etc.).
 - (11) All artificial turf shall be installed on a permeable backing in order to ensure proper drainage.

(Ord. No. 2015-10, § 2, 2-18-2015)

Secs. 71-228—71-242. - Reserved.

SECTION 33 40 00 – STORM DRAINAGE SYSTEMS

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Installation of storm drainage systems.

1.02 RELATED WORK

- A. Section 31 23 35: Excavating and Backfilling for Service Utilities.

1.03 REGULATORY REQUIREMENTS

- A. Comply with requirements of authorities having jurisdiction for materials and installation of work of this Section.

1.04 PROJECT RECORD DOCUMENTS

- A. Submit documents under provisions of Division 1 of the specifications.
- B. Accurately record locations of pipe runs, connections, catch basins, manholes, clean-outs and invert elevations.
- C. Identify and describe discovery of uncharted utilities.

PART 2 - PRODUCTS

2.01 PIPE MATERIALS

- A. Reinforced concrete pipe: ASTM C76 Class III, with Wall Type B mesh reinforcement, with bell and spigot end joints, size as indicated. Provide mortar joints.
- B. PVC pipe: ASTM D3034, SDR of 35 or equal, bell and spigot type, solvent sealed end joints, size as indicated.
- C. Fittings: Same material as pipe, molded or formed to suit pipe size and end design, in configurations required.

2.02 CATCH BASINS

- A. Lid and frame: Cast iron construction, hinged lid linear grill lid design with lock down fasteners (as noted on the plans), size as indicated on plans.
- B. Shaft and cone section:
 - 1. Precast type: Reinforced precast concrete pipe sections of shape and size indicated, lipped male/female dry joints.
 - 2. Cast-in-place type: 3000 psi concrete as specified in Section 02516, detailed as indicated.
 - 3. Masonry type: ASTM C32 Grade MS manhole brick, and ASTM C270 Type S mortar made with ASTM C150. Type II Portland cement, ASTM C33 sand and potable water.

- C. Base pad: 3000 psi concrete of type specified in Section 32 05 23, leveled top surface to receive concrete shaft sections, and sleeved to receive pipe sections.
- D. Advanced Drainage Systems (ADS) or National Diversified Sales, Inc. (NDS) plastic catch basins and fittings.

2.03 MANHOLES AND CLEANOUTS

- A. Lid and frame: Cast iron construction, with removable lockable closed lid, size as indicated on plans.
- B. Shaft and cone section:
 - 1. Reinforced precast concrete pipe sections of shape and size indicated, with lipped male/female dry joints.
 - 2. Cast-in-place type: 3000 psi concrete as specified in Section 32 05 23, detailed as indicated.
 - 3. Masonry type: ASTM C32 Grade MS manhole brick, and ASTM C270 Type S mortar made with ASTM C150. Type II Portland cement, ASTM C33 sand and potable water.
 - 4. Ladder rungs: 1/2 inch diameter deformed reinforcing steel, grade 60 standards coated with High Impact Copolymer Polypropylene. Step to be placed at 12 inches oc.
- C. Base pad: 3000 psi concrete of type specified in Section 32 05 23, leveled top surface to receive concrete shaft sections, and sleeved to receive pipe sections.

2.04 HEADWALLS

- A. Materials: 3000 psi concrete as specified in Section 32 05 23, reinforced as indicated.

2.05 AGGREGATE BACKFILL

- A. Materials: ASTM C33 No. 57 aggregate.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify that excavation is ready to receive work of this Section, and that excavation's, dimensions and elevations are as indicated on the Drawings.
- B. Do not install drainage structure until mass grading has resulted in rough subgrade elevations through the work area.

3.02 PREPARATION

- A. Prior to laying pipe, prepare suitable bedding according to Section 31 23 35.
- B. Before placing pipe in the trench, field inspect for cracks or other defects; remove defective pipe from the construction site.
- C. Swab the interior of the pipe to remove all undesirable material.
- D. Prepare the bell end and remove undesirable material from the gasket and gasket recess.

3.03 INSTALLING STORM SEWER PIPE

- A. Lay pipe in a straight line on a uniform grade from structure to structure with the bell or groove end up grade.
- B. Firmly support each section throughout its length and form a close concentric joint with the adjoining pipe.
- C. Make junctions and turns with standard or special fittings.
- D. Do not open up more trench at any time than pumping facilities are able to dewater.
- E. Whenever the work ceases, close the end of the pipe with a tight fitting plug or cover.
- F. Close all openings provided for future use and abandoned pipe with a tight fitting plug sealed to avoid leakage.
- G. When the pipe connects with structures, the exposed ends shall be placed or cut off flush with the interior face of the structure and satisfactory connections made.
- H. Any pipe which is not in good alignment or which shows any undue settlement or damage shall be taken up and re-laid without additional compensation.
- I. Laying pipe and sealing joints shall be a continuous operation.
 - 1. Seal all joints during the same day in which the pipe is laid.
 - 2. Construct the joints in such a manner that a watertight joint will result.
- J. Joints for rigid pipe:
 - 1. Rubber gaskets; or
 - 2. Other types of joints recommended by the pipe manufacturer and approved.
- K. Install rubber ring gaskets to form a flexible watertight seal.
- L. When other type joints are permitted, install or construct in accordance with the recommendations of the manufacturer.
- M. Firmly join flexible pipe by approved coupling bands.
- N. Inspect the pipe before any backfill is placed.
- O. When strutting or vertical elongation is required, it shall be performed in accordance with the details shown on the Plans.
- P. Leave ties and struts in place until the embankment is completed, unless otherwise specified.
- Q. As the work progresses, clean the interior of all pipe in place.
- R. Make connections by constructing catchbasins, other structures, or by installing wyes or tees as shown on the Plans. Wyes and tees for future connections shall be installed as indicated.

3.04 INSTALLING CATCH BASINS, MANHOLES AND CLEANOUTS

- A. Form bottom of excavation clean and smooth to correct elevation.
- B. Form and place cast-in-place concrete base pad, with provision for pipe end sections.
- C. Establish elevations and pipe inverts for inlets and outlets as indicated. The shape of the inverts shall conform uniformly to inlet and outlet pipe with a smooth finish.
- D. Mount lid and frame level in grout, secured to top cone section to elevations indicated. Set true to line and grade and such that the entire surface of the casting is in contact with the bearing surface of the structure.
- E. All castings shall be set firm and snug and shall not rattle.

3.05 INSTALLING HEADWALLS

City of Doral
Doral Meadow Park Turf Replacement
Littlejohn No. 527116106
©Littlejohn

- A. Form and reinforce as indicated.
- B. Place and cure as specified in 32 05 23.
- C. Backfill with aggregate to level of adjacent subgrade.

3.06 FIELD QUALITY CONTROL

- A. Prior to placing aggregate cover, allow the Owner's Representative to observe installed pipe.
- B. Comply with requirements of authorities having jurisdiction for their requirements for inspection.

3.07 PROTECTION

- A. Protect finished installation under provisions of Division 1 of the Specifications.
- B. Protect pipe and aggregate cover from damage or displacement until backfilling operation begins.

END OF SECTION

Exhibit B

Insurance Requirements

Insurance Requirements

I. The City reserves the right but not the obligation to revise any insurance requirement, or reject any insurance coverage which fail to meet the criteria stated herein at any time. The City reserves the right to require Contractor/Vendor to provide and pay for any other insurance coverage the City deems necessary, depending upon the possible exposure to liability or loss. These insurance requirements shall not limit the liability of the Contractor/Vendor. The City does not represent these types or amounts of insurance to be sufficient or adequate to protect the Contractor/Vendor's interests or liabilities, but are merely minimums.

- 1) **Workers' Compensation:** Coverage is to apply for all persons fulfilling this contract for statutory limits in compliance with the law of the State of Florida and any applicable federal laws. The policy must include Employer' Liability with a limit of \$500,000 each accident, \$500,000 each employee, \$500,000 policy limit for disease. Confirmation that Workers Compensation is provided for all persons fulfilling this contract, whether employed, contracted, temporary or subcontracted is required.
- 2) **Commercial General Liability:** Occurrence Form Required: Contractor shall maintain commercial general liability (CGL) insurance with limits of not less than:
 - \$2,000,000 each occurrence for bodily injury and property damage
 - \$2,000,000 general aggregate (must apply Per Project)
 - \$2,000,000 products completed operations aggregate
 - \$1,000,000 personal & advertising injury

No exclusion shall apply to: premises, independent contractors, contractual liability, or property damage resulting from explosion, collapse or underground (XCU) exposures,
- 3) **Commercial Automobile Liability:** Contractor shall maintain automobile liability insurance with a limit of not less than \$1,000,000 each occurrence for bodily injury and property damage liability. Such insurance shall cover liability arising out of any auto fulfilling duties under this agreement (including owned, hired, and non-owned autos). The policy shall provide contractual liability coverage.
- 4) **Umbrella or Excess Liability** insurance can be utilized to provide the required limits. Coverage shall be "following form" and shall not be more restrictive than the underlying insurance policy coverages, including all special endorsements and City as Additional Insured status.
- 5) **Special Requirements:** Certificate of Insurance shall confirm in writing that all applicable provisions apply.
 - a. **Evidence of Insurance:** A certificate of insurance shall be provided upon announcement that a Contractor has been awarded the work. The

Certificate(s) shall be signed by a person authorized by that insurer to bind coverage on its behalf. All Certificates of Insurance must be on file with and approved by the City before commencement of any work activities. The insurance certificate shall confirm the following conditions apply:

1. **Additional Insured:** "City of Doral and its Elected Officials, Agents, Representatives, Employees, and Volunteers" shall be named as an "Additional Insured" on all policies except Worker's Compensation and Professional Liability.

Additional Insured coverage shall be provided with the following ISO forms or similar policy provisions providing equal to or broader than coverage:

One of the following forms or its equivalent:

CG 2026 (Additional Insured–Designated Person or Organization) OR
CG 2010 (Additional Insured-Owners Lessees Contractors) OR
CG 2038 (Additional Insured-Automatic Status).

AND, if products or completed operations exposure:

CG 2037 (Additional Insured-Completed Operations). The Contractor/Vendor is required to continue to purchase products and completed operations coverage to satisfy this agreement for a minimum of three years beyond the City's acceptance of renovation or construction projects.

2. **Notification:** The policy shall provide a 10-day notification clause in the event of cancellation, non-renewal, material modification, or any other lapse in coverage of the policy. In the event the insurance policy does not provide such notification, Contractor shall provide notification to the City.

In the event the insurance coverage expires prior to the completion of the project, a renewal certificate shall be delivered to the City 10 days prior to said expiration date.

b. Primary & Non Contributory

This Insurance shall be considered primary to any other insurance. Coverage shall be provided with the following ISO form or similar policy provision providing equal to or broader than coverage: CG 2001 (Primary and Noncontributory – Other Insurance Condition).

c. Waiver of Subrogation

All of Contractor's insurance policies, except Professional Liability, will waive rights of recovery against the City. Coverage shall be provided with the following CGL ISO form or similar policy provision providing equal to or broader than coverage: CG 2404 (Waiver of Transfer of Rights of Recovery Against Others to Us).

- d. **Subcontractors' Compliance:** It is the responsibility of the contractor to insure that all subcontractors comply with all insurance requirements.

- e. **Financial Stability:** The policies of insurance shall be written on forms acceptable to the City and placed with insurance carriers authorized by the

Insurance Department in the State of Florida. All insurance carriers must meet a minimum financial AM Best company rating of no less than:

A- Excellent: FSC VII. City reserves the right but not the obligation to reject any insurer providing coverage due to poor or deteriorating financial condition.

Exhibit C

Sports Turf One Bid Submittal

Date 2/24/2017



Replacement of Synthetic Turf Fields
at Doral Meadow Park RFP#2017-01

Sports Turf One, Inc.

9819 State Rd 7 Boynton Beach, FL 33472

Bill Gillan Vice President

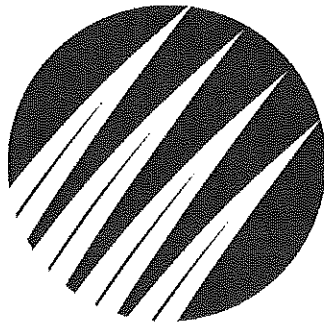
561-369-7994

billg@sportsturfone.com



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SPORTS TURF ONE

ATHLETIC FIELD SPECIALISTS

Letter of Transmittal

February 24th, 2017

Dear City of Doral:

Sports Turf One, Inc has been Florida's leading sport field builder for almost 20 years. During this time we have worked on thousands of athletic fields. The crew responsible for our construction on synthetic turf projects have been working together for over 12 years. During this time we have worked on Synthetic Turf projects from Colleges & Universities to Municipalities. Working with Architects, Engineers, Owners, & General Contractors Sports Turf One has had great success with our Synthetic Turf Projects. Our efficiency & attention to detail has made our company the one to turn to when fast track projects and strict specifications meet tough job conditions. As a contractor, we plan, execute, & Perform. We make those daunting tasks appear routine.

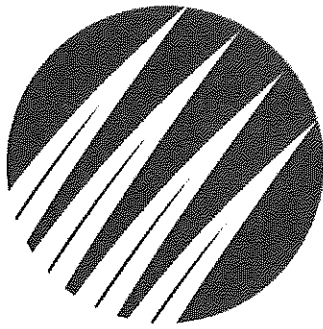
Sports Turf One, Inc understands the work to be completed and commitment required at Doral Meadow Park. We believe our wealth of experience and expertise will be unmatched by any other respondents.

Representative: Bill Gillan Vice President of Sports Turf One, Inc.

Address: 9819 State Rd 7 Boynton Beach, FL 33472

Phone & Email: 561-369-7994 billg@sportsturfone.com

See attached Resume



SPORTS TURF ONE

ATHLETIC FIELD SPECIALISTS

Bill Gillan

Executive Vice President

40 years' experience in site work development and construction

Over 20 years at Sports Turf One

Widener University...Chester Pa.

Member Sports Turf Managers Association, Synthetic Turf Council and Florida Turfgrass Association.

Consultant and contributor for athletic field project design and specifications for County, City as well as engineering & architectural firms.

Projects

University of Miami

Coral Gables, Fl.

Completed 2014

Project Value... \$1.7 M

Estimator of project, Project Manager. Oversee all aspects of construction and maintenance

Complete demolition, renovation, new construction and 6 month maintenance of three football fields. 2 Natural and 1 Synthetic

Florida Atlantic University

Boca Raton, Fl.

Completed 2011

Project Value... \$300,000.00

Design/Build project worked with project engineer, Miller Legg.

Designed, built, and established the Stadium Football Field.

Estimator of project, Project Manager. Oversee all aspects of construction and maintenance

St Johns County Parks and Rec.

St. Johns, Fl.

Completed 2009

Project Value... \$1.3 M

Design Build 4 synthetic soccer/football fields at three locations

Estimator of project, Project Manager. Oversee all aspects of construction.

Charlotte Sports Park/ Tampa Bay Rays

Port Charlotte, Fl.

Completed 2008

Project Value... \$1.5 M

New Construction and Renovation of multiple Baseball fields.

Project Manager

Spanish River Park

Boca Raton, Florida

Completed Construction 2011

Project Value...\$1.4 M

Design/build project teamed with Kaufman Lynn Construction

New construction of 4 Softball/ Baseball fields and 4 Soccer Fields

Estimator of project, Project Manager. Oversee all aspects of construction and maintenance

Sports Turf One works on and or builds +/- 200 Athletic fields annually



General Information

1. Sports Turf One, Inc.
2. 9819 State Rd 7 Boynton Beach, FL 33472
 - a. Office #561-369-7994
3. Contact: Bill Gillan Vice President
4. Hours: Monday-Friday 8am to 4pm
5. Legal Status: Corporation
6. Incorporation Date: October 3rd 1997
7. See attached licenses & documentation



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783**


(850) 487-1395

**HAVILL, DAVID CHARLES
SPORTS TURF ONE INC
9819 STATE RD 7
BOYNTON BEACH FL 33437**

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION**

CGC019310 ISSUED: 06/14/2016

**CERTIFIED GENERAL CONTRACTOR
HAVILL, DAVID CHARLES
SPORTS TURF ONE INC**

**IS CERTIFIED under the provisions of Ch. 489 FS.
Expiration date AUG 31, 2018 L1606140001253**

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD**

LICENSE NUMBER	
CGC019310	

**The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2018**



**HAVILL, DAVID CHARLES
SPORTS TURF ONE INC
9819 STATE RD 7
BOYNTON BEACH FL 33437**





ANNE M. GANNON
 CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County

P.O. Box 3353, West Palm Beach, FL 33402-3353
 www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
 3541 HIGH RIDGE RD
 BOYNTON BEACH, FL 33426

Serving you.

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
23-0060 IRRIGATION SPRINKLER CONTRACTOR	HAVILL DAVID CHARLES	CGC019310	B17.355749 - 01/04/17	\$44.39	B40183233

This document is valid only when receipted by the Tax Collector's Office.

SPORTS TURF ONE INC
 SPORTS TURF ONE INC
 3541 HIGH RIDGE RD
 BOYNTON BEACH, FL 33426



**STATE OF FLORIDA
 PALM BEACH COUNTY
 2016/2017 LOCAL BUSINESS TAX RECEIPT**

**LBTR Number: 2015084622
 EXPIRES: SEPTEMBER 30, 2017**

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

SPRINTURF[®]

REQUEST FOR PROPOSAL

SYNTHETIC TURF FOR DORAL MEADOW PARK
DORAL, FLORIDA

FEBRUARY 27TH, 2017



SPRINTURF[®] AT - A - GLANCE

HISTORY

SPRINTURF is one of the original three artificial turf companies. Formed in 1998, SPRINTURF has over 1,400 installations throughout the United States. In 2010, Integrated Turf Solutions (ITS), one of only 2 companies in North America manufacturing the FULL range of artificial turf products, acquired SPRINTURF, one of the most reputable turf marketers and installers in the country.

The new SPRINTURF became the FIRST fully integrated polyethylene turf company in North America. This was the first step towards a world class model, providing best-in-class economics, logistics, quality and service..

LOCATIONS

SPRINTURF's principal office is located in Charleston, South Carolina, with another corporate location in Atlanta, Georgia. In addition, SPRINTURF operates two manufacturing facilities; one in Dadeville, Alabama and the other in Chatsworth, Georgia.

The Dadeville facility extrudes a full range of polyethylene, polypropylene and nylon yarns, including the latest generation of slit film and spinneret monofilament yarns.

The Chatsworth, Georgia facility houses SPRINTURF's tufting and urethane coating operations. Together the Dadeville and Chatsworth facilities have provided yarn and finished synthetic turf products for over 2,000 fields in North America. SPRINTURF is the only company in North America that extrudes 100% of their fibers in-house and in America.

FINANCES & BONDING

SPRINTURF is one of only four national synthetic turf companies and it is the only one to own all its American manufacturing facilities, which are worth over \$35 million. SPRINTURF also enjoys a long term supply and research relationships Exxon and Dow, the two largest resin suppliers in the industry. SPRINTURF's manufacturing & supply capacity is in excess of 25 million square feet annually. SPRINTURF carries comprehensive commercial general liability, automobile, liability, and workers' compensation insurance.

In addition, its third-party insured warranty is the best in the industry with a \$20 million per field limit and annual aggregate coverage of \$25 million. Copies of its Certificates of Liability Insurance are included herein for your reference. Finally, SPRINTURF has a bonding capacity of \$5 million per project and \$25 million aggregate.

QUALITY

The SPRINTURF system is unique in many ways. SPRINTURF is the only turf manufacturer with no field failures over the last decade. Since SPRINTURF manufactures 100 percent in house, world-class quality systems are designed around prevention versus detection. Furthermore, SPRINTURF's manufacturing Facility is ISO certified. 100% of the fibers are made in-house and in America. SPRINTURF has been manufacturing slit tape fibers since 2002 and spinnerette monofilament since 2006. In addition to quality control, eliminating imports of any kind gives SPRINTURF a compliance advantage with U.S. laws and regulations.

100% of the tufting and urethane coating is done in-house, giving us total control of manufacturing from pellet to finished product. We also have a fully equipped in-house lab including Instrons, color cameras, UV weatherometers and a Lisport accelerated wear tester.

CAPABILITIES

SPRINTURF achieved a 99 % on time delivery rate in 2015 versus the typical industry average of 60-70 percent. SPRINTURF can manufacture and deliver the synthetic turf for this project in approximately twenty-one (21) days from receipt of approved submittals. By controlling all manufacturing and testing, SPRINTURF confidently offers an eight (8) year manufacturer's warranty that is fully insured by a third party. SPRINTURF is also the only turf company to guarantee a minimum 10 tuft bind. Thus far, there have been zero fiber failures for all yarns manufactured in SPRINTURF facilities.

SPRINTURF also offers a unique maintenance program, Sprincare.. SPRINTURF supports you from cradle (resin pellet) to grave (field removed a decade from now) Since there are not multiple hands in the pot, SPRINTURF offers the best pricing while making sure all production complies with all EPA and CPSC regulations on heavy metals etc.

SAFETY

SPRINTURF is one of the safest playing surfaces of any kind. It's patented 100% all- rubber system and its standard blend of rubber and sand offer a playing surface that SPRINTURF employees would create for their own children. Furthermore, the polymers used in the manufacture of SPRINTURF synthetic turf products are purchased from blue chip companies such as Dow and Exxon and have been tested and found to be in compliance with California's stringent Proposition 65.

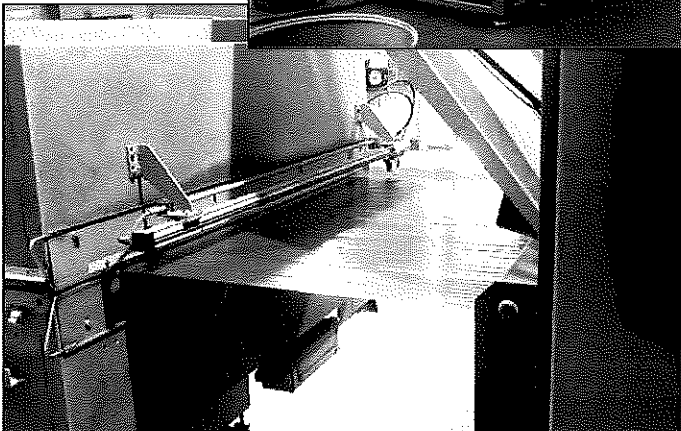
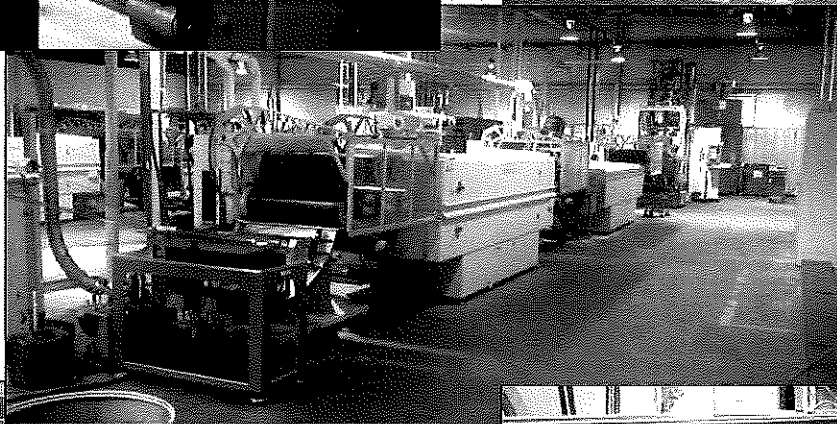
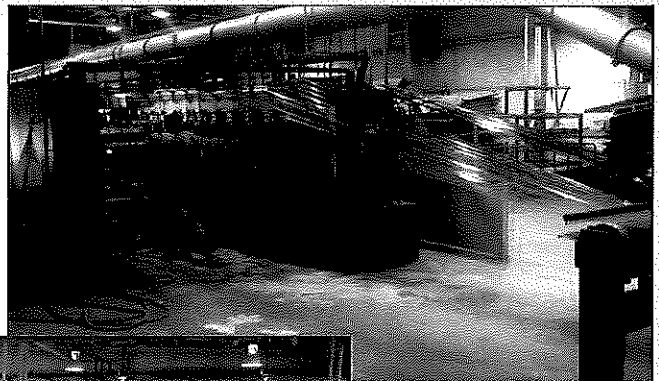
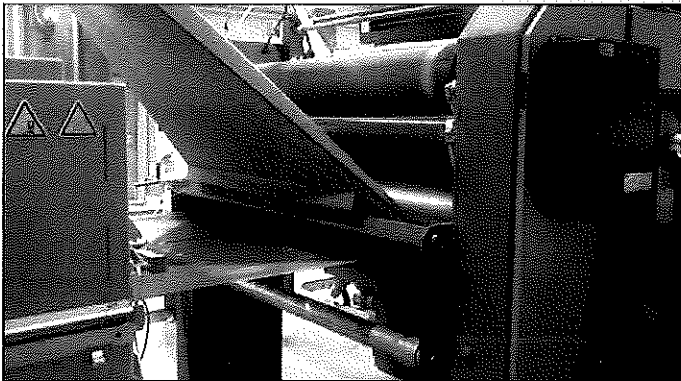
AMERICA

SPRINTURF is heavily invested in America and American jobs. SPRINTURF is the only turf company that manufactures 100% of the turf in-house and in America. Starting with the resin pellet and ending with the installed field, SPRINTURF is a one-stop shop. Every job is in America; every investment dollar is in America. Our hard assets in the United States dedicated to turf exceed that of the other three major turf companies combined.

SPRINTURF[®] MANUFACTURING

→ SPRINTURF's vertically integrated manufacturing process and unsurpassed quality control ensures the highest quality turf systems in the industry. We have \$35 million worth of manufacturing assets in our two facilities in Alabama and Georgia. SPRINTURF has the newest generation of monofilament and slit tape extrusion lines in our yarn factory that produce our Ultrablade and MXfibers. SPRINTURF extrudes a wide range of polyethylene and nylon yarns, including dual color, dual shape and textured yarns. We use only the highest quality resins and color concentrates to manufacture our yarns. All yarns used in SPRINTURF products are manufactured in-house and in the USA.

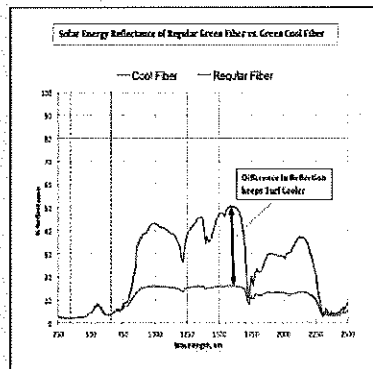
→ Our state-of-the-art tufting and coating facility has been in operation since 2004 and is ISO- 9001 certified. SPRINTURF tufts and coats a wide variety of synthetic turf products for use in athletic field and landscape applications. SPRINTURF's proprietary urethane formulations provide industry-leading tuft binds for all of our turf systems. Our specially designed perforation system provides superior drainage rates versus the competition (greater than 60 inches per hour without infill).



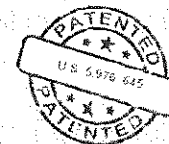
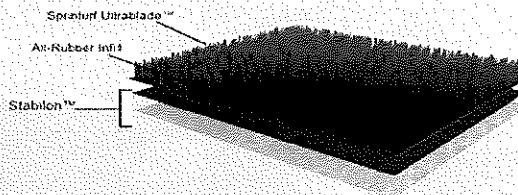
SPRINTURF®



- Only North American Company with 100% of Fibers Extrusion, Tufting and Coating performed In-House.
 - ✓ 72 hour per field manufacturing time - Lowest in Industry
 - ✓ Single point contact for all manufacturing, logistics, installation, and post sale service
- ISO-9001 certification ensures world class process
 - ✓ Listed in 2% of companies world wide that passed the ISO-9001 audit with ZERO non-compliance in first attempt.
- Cool Fiber Technology
 - ✓ Reduces field temperatures by 23 degrees
 - ✓ Reflects solar heat to keep artificial turf fibers cooler
 - ✓ Proprietary reflective technology



- Proprietary Technologies
 - ✓ Specialized Dow/Exxon Mobil Polymers with a decade long track record
 - ✓ Newest generation of Reimotec/Starlinger extruder (refer to thumb drive)
 - ✓ Proprietary urethane coating provides industry leading tuft binds.
 - ✓ Patented all rubber infill system provides safest playing surface (see image below)



SPRINTURF®

PROJECT MANAGEMENT PLAN

ON-TIME PROMISE

- Sprinturf uses a number of programs to track our scheduling and progress on all of our construction projects. We use ProCore to track the working hours and progress of our onsite personnel. This system allows us to track a project on a "Real Time" basis and allows us to make adjustments to manpower and equipment needs to ensure that all projects are on schedule and will be completed on time. Sprinturf also works with bar chart construction schedules that identify the specific duration for each component of work. This process contributes to OUR 99% ON TIME RECORD - UNHEARD OF IN THIS INDUSTRY!

RELIABILITY OF DELIVERY AND IMPLEMENTATION SCHEDULES

- We are the only synthetic turf company in North America with predominantly in-house installation crews and a 98% on-time record.
- Sprinturf has a long history of serving as the General Contractor on jobs of similar scope as specified
- We have an ASBA Certified Field Builder on staff.
- Since Sprinturf controls the entire process from manufacturing to install, we will provide a high quality product, on time, with superior after sales service using our Sprintcare after sales maintenance program.

PROJECT SAFETY

- Sprinturf considers Safety the Number One priority on a jobsite. We have a written safety plan and procedures in place to ensure the utmost safety of our crew and clients. Our installers and crew leaders are specially trained in safety practices. Our OSHA logs are available for review upon request, and reflect a stellar safety record on all of our projects.

PROJECT ORGANIZATION

- Sprinturf provides a specific team dedicated to your project. Bruce Cheskin, our Executive Vice President of Operations will oversee the project and provide support and customer service. You will have a team of project managers and estimators that will work with you, the client, to ensure success of the project - from start to finish. After the successful completion of the project, you will be assigned a dedicated customer service representative that will be your point of contact for any issues that arise or warranty repairs that need to be completed throughout the life of the fields.





Sprinturf
Synthetic Turf Installation Standards

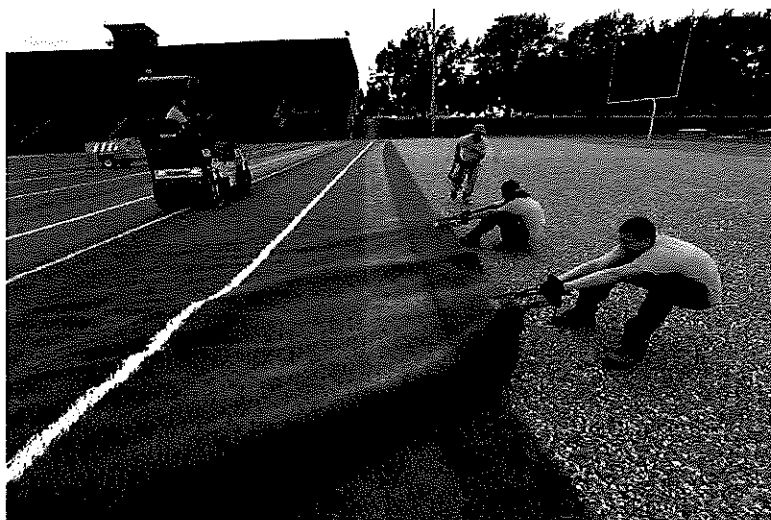
Turf Installation Instructions

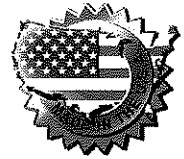
3.1 Synthetic Turf Installation

1. The finished stone base must be accepted by the turf contractor for planarity. It shall not vary more than 1/4" 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" sewing techniques. 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 markings on the field may be painted, field inlaid or factory tufted.
5. 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.
6. The average G-max of the finished system shall as follows:
7. Rubber: Under 150 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.



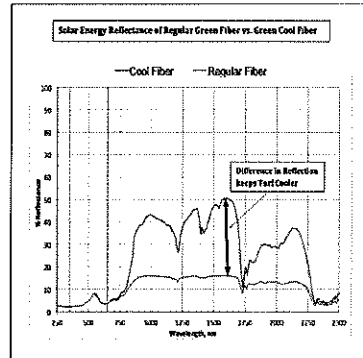


The Sprinturf Advantage

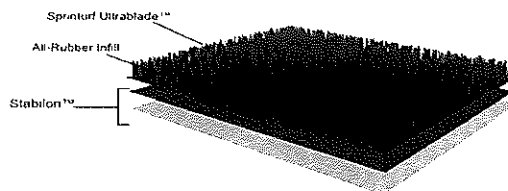
1. Only North American Company with 100% of Fibers Extrusion, Tufting and Coating performed In-House.
 - a. 72 hour per field manufacturing time - Lowest in Industry
 - b. Single point contact for all manufacturing, logistics, installation and post sale service

2. ISO-9001 certification ensures world class process
 - a. Listed in 2% of companies world wide that passed the ISO-9001 audit with ZERO non-compliance in first attempt.

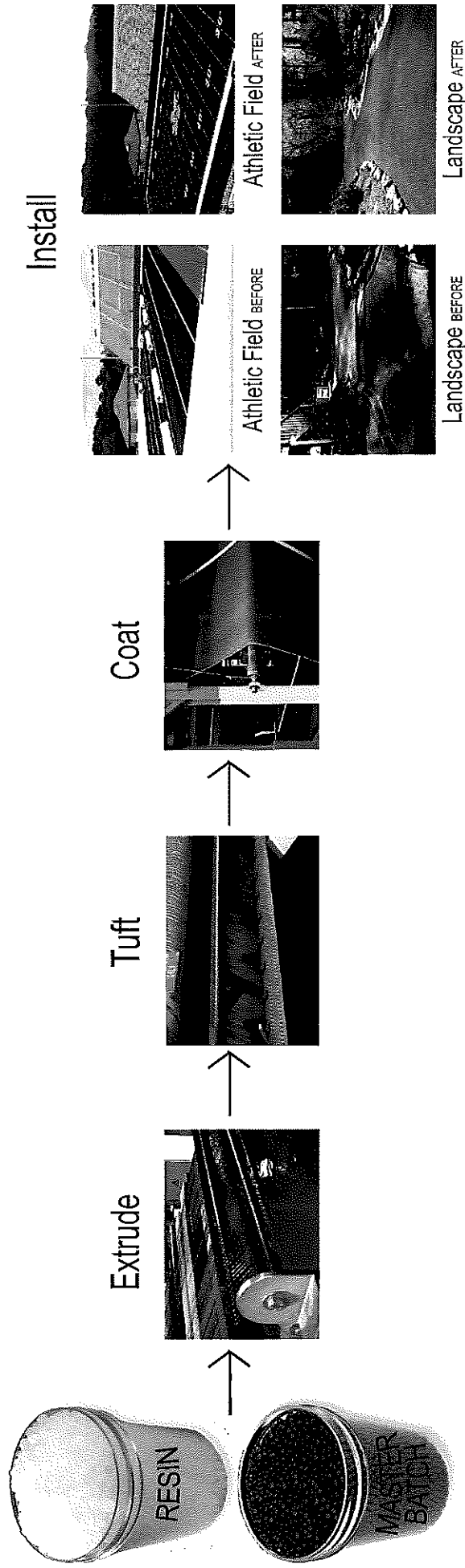
3. Cool Fiber Technology
 - a. Reduces field temperatures by 23 degrees
 - b. Reflects solar heat to keep artificial turf fibers cooler
 - c. Proprietary reflective technology



4. Proprietary Technologies
 - a. Specialized Dow/Exxon Mobil Polymers with a decade long track record
 - b. Newest generation of Reimotec/Starlinger extruder (refer to thumb drive)
 - c. Proprietary urethane coating provides industry leading tuft binds.
 - d. Patented all rubber infill system provides safest playing surface (see image below)



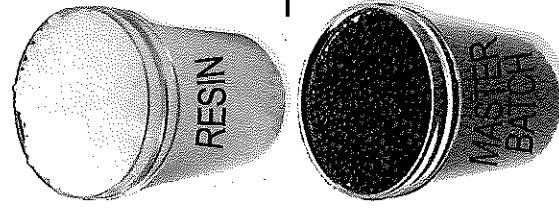
Quality Control: Sprinturf has a comprehensive quality control process from resin through installed turf.



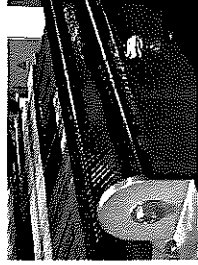
SPRINTURF



Quality Control: Extrusion



Extrude



Quality Control Testing for Extrusion and Twisting

Raw Materials

Resin - Melt Flow / Masterbatch - Spectral Color

Tape Lines and Monofilament

- Yarn Denier - Once per line per shift
- Spectral Color - Each line each doff
- Break Load - Once per line per shift
- Extension (%strain) - Once per line per shift
- %Shrinkage - Once per line per shift
- Curl Testing - Each doff
- Spin Finish % - Once per line per shift if applicable

Twisting

- Curl testing - Once per shift
- Twisting turfs per inch - each twister each shift
- Spin finish % - on each lot
- Visual Inspections of twisted yarn (Finished goods)

Performance Testing

- QUV - 8,000 hours UV testing
- 3rd Party UV testing



SPRINTURF



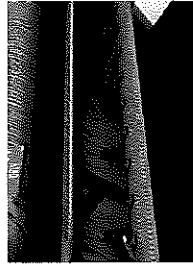
Quality Control: Tufting and Coating

Quality Control Testing for Tufting and Coating

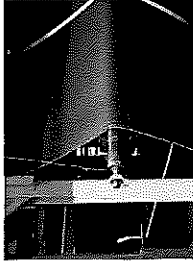
Tufting Quality Checks

- Pile Height - Each Roll
- Stitch Count - Each Roll
- Width / Length - Each Roll
- Face Weight - Every Third Roll

Tuft



Coat



Audit Team

- 12 auditors
- Audit process every 2 hours
- Daily report and monitoring

Performance Testing

- Lisport Wear Testing

Coating Quality Checks

- Urethane Gel Time, Viscosity, Water - Each Batch
- Width - Three Times per roll
- Length - Each roll
- Pile Height - Each roll
- Perforations - Each roll
- Coating Weight (side, center, side) - Every third roll
- Tuft Bind - Every fifth roll



Quality Control: Construction and Installation

Quality Control Testing for Construction and Installation

Base Testing - Infiltration rate / planarity

Roll Checks - Sizes / layout match approved drawings

Rubber Testing - Check bags for metals and visual check for clean material

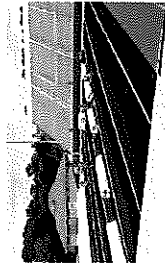
Turf Check - Wrinkles j-cut loops

Seam Checks - Pulling each seam and documentation on weather

Infill Depth - Documentation of infill depth and amounts used

Final Inspection - Maintenance training

Install



Athletic Field BEFORE



Athletic Field AFTER



Landscape BEFORE



Landscape AFTER





TEST REPORT

CLIENT:

Company:	Sprinturf	Report Number:	66571
Address:	550 Long Point Rd Suite 205 Mt Pleasant, SC 29464	Lab Test Number:	2791-6750, 6754
		Test Completion Date:	3/24/2016
		Report Date:	3/25/2016
		Page:	1 of 2
Requested By:	Jonathan Belts		

TEST MATERIAL:

Material Type:	Synthetic Turf	Date Received:	2/22/2016
Material Condition:	EXCELLENT: XXX GOOD: POOR: REJECTED:		
Product Name:	50 oz. UB / 10K UB		

TESTING METHODS REQUESTED:

Testing Services Inc. was instructed by the client to test for the following...			
Standard:	ASTM D7138	Test Method:	Standard Test Method for Determining Melting Temperature of Synthetic Fibers (Fiber ID)
Standard:	ASTM D1907	Test Method:	Standard Test Method for Liner Density of Yarn by the Skein Method
Standard:	ASTM D2256	Test Method:	Standard Test Method for Tensile Properties of Yarns by the Single Strand Method
Standard:	ASTM D3218	Test Method:	Standard Specification of Polyolefin Monofilaments (Ribbon Thickness & Width)
Standard:	ASTM D5848	Test Method:	Standard Test Method for Mass per Unit Area of Pile Yarn Floorcoverings
Standard:	ASTM D5823	Test Method:	Standard Test Method for Tuft Height of Pile Yarn Floorcoverings
Standard:	ASTM D5793	Test Method:	Standard Test Method for Binding Sites Per Unit Length or Width of Pile Yarn Floorcoverings
Standard:	ASTM D1335	Test Method:	Standard Test Method for Tuft Bind Strength of Pile Yarn Floorcoverings
Standard:	ASTM D5034	Test Method:	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics
Standard:	ASTM D2859	Test Method:	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials

SAMPLING PLAN:

Sampling Date:	2/22/2016
<ul style="list-style-type: none"> • Specimen sampling is performed in the sampling department at TSI. • The sampling size of specimens is determined by the test method requirements. • In the event a specific sampling size is not called for, a determination will be made based on previous testing experience, and approved for use by an authorized manager. • All samples are subjected to the outside environmental conditions of temperature and relative humidity. • Sample requiring pre-determined exposure to specified environmental conditions based on a specific test method, take place in the departments in which they are tested 	

DEVIATION FROM TEST METHODS:

State reason for any Deviation from, Additions to, or Exclusions From Test Method.
None

TEST DATA:

Test Method	Test Description	Test Results	
		Slit Film	
ASTM D7138-16	Fiber ID; Melt Point	Polyethylene	120°C
ASTM D1907/D1907M-12	Yarn Denier	10,538	
ASTM D2256/D2256M-10(2015)	Average Yarn Breaking Strength, Elongation	41.33 lbs/force / 52.6%	
ASTM D3218-07(2012)	Average Yarn Filament Width	0.3906" / 9,921 microns	
ASTM D3218-07(2012)	Average Yarn Filament Thickness	0.00488" / 124 microns	

Form:	Rev:	Revision Date:	Page 1 of 2
Release Date:	Control Type: Electronic – Expires 24 hours after this date: Mar. 29, 16 Printed copies are uncontrolled		

OUR LETTERS AND REPORTS APPLY ONLY TO THE SAMPLE TESTED AND ARE NOT NECESSARILY INDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS. THESE LETTERS AND REPORTS ARE FOR THE USE ONLY OF THE CLIENT TO WHOM THEY ARE ADDRESSED AND THEIR COMMUNICATION TO ANY OTHERS OR THE USE OF THE NAME TESTING SERVICES, INC. MUST RECEIVE OUR PRIOR WRITTEN APPROVAL. OUR REPORTS, LETTERS, NAME, SEALS, OR INSIGNIA ARE NOT UNDER ANY CIRCUMSTANCES TO BE USED IN ADVERTISING TO THE GENERAL PUBLIC.

PO Box 2041
Dalton, GA 30722-2041
(706) 226-1400
tsioffice@optilink.us

THE SPRINTURF LIMITED WARRANTY

Sprinturf warrants the all-rubber synthetic grass at the "Project Name" for a period of eight (8) years from the date of substantial completion or "first use" (whichever comes first) against defects in the materials and workmanship provided including but not limited to, excessive ultraviolet degradation, loss of tensile strength, or excessive fading, as recognized by accepted industry standards. Sprinturf will, at its option, either repair or replace the affected area without charge to the Owner for the duration of the Warranty period. No cash refunds will be made. Sprinturf also warrants that the average G-Max level of its all-rubber field will not exceed XXX for the duration of the Warranty period. One (1) G-Max test will be completed at Substantial Completion. All other tests will be the responsibility of the Owner.

The recommendation for proper maintenance of the all-rubber field as outlined in our "Maintenance Guidelines" supplied to every customer at time of Substantial Completion shall be considered in determining neglect of the artificial turf and shall be considered an integral part of this Warranty.

This Limited Warranty does not cover:

- ♦ Damage due to external causes including, but not limited to, the application of chemicals or cleaning agents, abuse, misuse, negligence, vandalism, fire, flood, contamination, windstorm, acts of God, change in water table and improper care.
- ♦ Damage resulting from accidents, force majeure, misuse, abuse and neglect or from other than normal and ordinary intended use of the Product.
- ♦ Damage resulting from failure to maintain the Product in accordance with the Maintenance Guidelines provided to the Owner. It will be the Owner's responsibility to keep a detailed log of the maintenance provided to the field including: (a) date and time of maintenance, (b) personnel providing the maintenance and (c) the maintenance action taken. Any and all perceived or potential problems must be reported to Sprinturf headquarters in writing within 48 hours of the occurrence. Failure to do so will void this warranty.
- ♦ Damage resulting from materials applied or labor performed, including, but not limited to, repair or attempted repair by anyone other than Sprinturf or an authorized Sprinturf third party serviceperson.
- ♦ Use of improper footwear such as long spiked track shoes. Standard plastic molded soccer, lacrosse, football or baseball shoes are recommended.
- ♦ Any recommendations by a third party provided to the Owner or its representative without the written approval of Sprinturf, which would alter or change materials or workmanship that were originally supplied or installed by Sprinturf.
- ♦ Damage attributable to normal wear and tear, as determined by acceptable standards in the synthetic turf industry.
- ♦ Improper design of sub-base or drainage system.

The obligations of Sprinturf under the Warranty are subject to full payment of all monies due Sprinturf for materials and/or labor related to the above referenced project. This Warranty will be voided if any third party, contractor or turf manufacturer other than Sprinturf performs any labor or service on the subject field.

Sprinturf does not warrant recommendations, drawings, specifications, or plans made by Owner or its design professionals, architects, or other representatives. This Warranty is limited to the remedies of repair or replacement, which shall constitute the exclusive remedies available, and all other remedies or recourses that might otherwise be available are hereby waived by the Owner.

Sprinturf shall have no other obligations or liability for damages arising out or in connection with the use or performance of the product including, but not limited to, damages for personal injury or economic losses. Sprinturf disclaims liability for incidental and consequential damages for breach of any express or implied warranty, including any implied Warranty of merchantability, with respect to the product.

This Warranty constitutes Sprinturf's entire obligation. Any and all other prior written or oral agreements or drafts of agreements between the parties pertaining to the subject matter of this Warranty are superseded and of no force and effect and may not be used as evidence in interpreting the provisions of this Warranty.

This Warranty is a Supplier's / Manufacturer's warranty. Any surety bond posted by ITS Sprinturf Holdings, LLC and/or Sprinturf, LLC to Owner/Obligee for the securitization of bid, performance and payment obligation does not guarantee any obligation contemplated in the warranty.



DATE OF SUBSTANTIAL COMPLETION: _____

BY: _____ DATE: _____
BRUCE CHESKIN, EVP OPS

WITNESS: _____ DATE: _____

*This Warranty is fully insured by Best Rated A Insurance Company.
(See attached)
Version 5-7-2016*

SPRINTURF[®] WARRANTY



Client#: 35692 ITSSP
ACORD[™] CERTIFICATE OF LIABILITY INSURANCE DATE (MM/DD/YYYY)
 05/09/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Scott Danahy Naylor LLC 300 Spindrift Drive Williamsville, NY 14221 716 633-3400	CONTACT NAME: PHONE (A/C No, Ext): 716 633-3400 FAX (A/C, No): 716-633-4306 E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE NAIC #	
INSURED Sprinturf, LLC. 550 Long Point Road Suite 205 Mt. Pleasant, SC 29464	INSURER A: Great American E&S Ins. Co.	
	INSURER B: Colony Insurance Company	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LYR	TYPE OF INSURANCE	ADD'L INSR	WVR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> HIRED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	UMBRELLA LIAB <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> CLAIMS-MADE			XS238826705	05/07/2016	05/07/2017	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000
A	<input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			XS1942969-03	05/07/2016	05/07/2017	\$500,000 Occ \$5,000,000 Agg
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
B	Warranty Coverage			103GL000400605	05/07/2016	05/07/2017	\$5,000,000 Each Warranty \$10,000,000 Aggregate
B	Excess Liability			AR4460422	05/07/2016	05/07/2017	\$5M Occ/\$5M Aggr

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 * Policy provides coverage for warranties issued during the policy period for eight years from completion date of the project. Subsequent to issuance of this Certificate of insurance, any cancellation of this policy does not affect coverage afforded on this project.

CERTIFICATE HOLDER Sample	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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SPRINTURF® WARRANTY



SCOTT DANAHY NAYLON, LLC

Date 5/7/2016

ITS Sprinturf Holdings, LLC.. "Insured" have secured a warranty insurance policy through our firm, Scott Danahy Naylon, LLC. Outlined below are the key terms and conditions of the warranty policy(s).

1. Insuring Agreement:

In consideration of the payment of the "Policy Premium" and subject to all of the terms and conditions of the policy, the "Company" will reimburse the insured for those costs paid or incurred by the insured that it was obligated to pay or incur to fulfill its "contractual Obligations" under an "Insured Warranty".

2. Insured Warranty:

"Insured Warranty" means any standard warranty issued by the Insured and listed in Schedule A – Insured Warranty does not include that part of any warranty that extends beyond eight years after warranted installation is completed.

The Term of the warranty is to commence upon acceptance of the project by the Insured's client or at the time the turf field is used for its intended purpose whichever first occurs.

3. Claim Reporting Period:

"Claim Reporting Period" means the period of time in which a claim for the costs that were paid or incurred must be made. The "Claims Reporting Period" is a period of eight (8) years from the date of each "Insured Warranty" listed in Schedule A.

4. Limit of Liability:

\$20,000,000 each Insured warranty. \$26,000,000 aggregate for all fields installed during the 12 month period of 5/7/2016 to 5/7/2017.

5. Deductible:

No deductible shall ever apply to the Warranty Holder.



SCOTT DANAHY NAYLON, LLC

6. Policy Territory:

The policy contains no policy territory restrictions.

7. Reporting:

The Insured shall report the enrollment of all designated contracts. Enrollment shall be sent to Colony within 60 days from the last day of each calendar quarter.

8. Premium:

Premiums for all warranties accepted via the Schedule A are considered prepaid throughout the eight year claim reporting period.

9. Bankruptcy or Insolvency:

Bankruptcy or Insolvency of the Insured or of the Insured's estate shall not relieve "The Company" of any of its obligations under this policy. Subject to all other terms and conditions of this policy, in the event bankruptcy or insolvency has caused the "Insured" to fail to fulfill its "Contractual Obligations" under its "Insured Warranties", the "Company" will reimburse the "Warranty Holder" for the expenses paid directly by the "Warranty Holder" to repair or replace a field, as required by "Insured Warranty" and as first approved by the "Company".

10. Security:

Underwriter – Colony National Insurance Company is rated by AM Best "A" or Excellent – www.Colonyins.com a member of the Argonaut Insurance Group. Underwriter-Great American E&S Insurance Company is rated AM Best "A" or Excellent.

Notwithstanding any of the statements provided in this outline, all terms and conditions of Colony National Insurance Company policy #10361000400605 and Great American E&S Insurance Company policy # XS238826705 the final measure of coverage to the Insured and the Insured's clients.



SPRINTURF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
9/30/2016

189195

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Commercial Lines - (704) 543-0258 Wells Fargo Insurance Services USA, Inc. 6100 Fairview Road Charlotte, NC 28210	CONTACT NAME: Rhonda Wilmore PHONE (A/C, No, Ext): 704-557-7271 FAX (A/C, No): 866.332.3054 E-MAIL ADDRESS: rhonda.wilmore@wellsfargo.com													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: AIG Specialty Insurance Company</td> <td>26883</td> </tr> <tr> <td>INSURER B: Trumbull Insurance Company</td> <td>27120</td> </tr> <tr> <td>INSURER C: Twin City Fire Insurance Company</td> <td>29459</td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: AIG Specialty Insurance Company	26883	INSURER B: Trumbull Insurance Company	27120	INSURER C: Twin City Fire Insurance Company	29459	INSURER D:		INSURER E:		INSURER F:
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INSURER D:														
INSURER E:														
INSURER F:														
INSURED Sprinturf, LLC 550 Long Point Road (Main Location) Mt. Pleasant, SC 92464														

COVERAGES **CERTIFICATE NUMBER:** 10922505 **REVISION NUMBER:** See below

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD YWVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GENL AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		EG17070145	8/8/2016	10/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Deductible 0
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		22UENNL3281 Coll Ded:\$1,000 Comp Ded:\$1,000	10/01/2016	10/01/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		EGU17070654	08/08/2016	10/01/2017	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
C	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A	22WBEK8815	10/01/2016	10/01/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 This is a sample certificate only to show the coverage limits for Sprinturf, LLC.

CERTIFICATE HOLDER Sample Certificate Only Anywhere Sample Certificate Sample Certificate Only	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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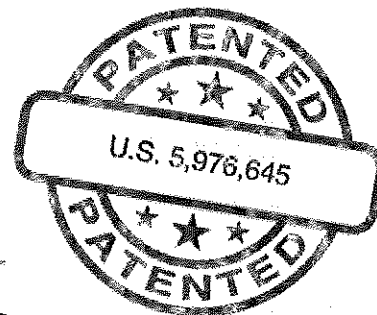
The ACORD name and logo are registered marks of ACORD © 1988-2015 ACORD CORPORATION. All rights reserved.

SPRINTURF UltraBlade 50

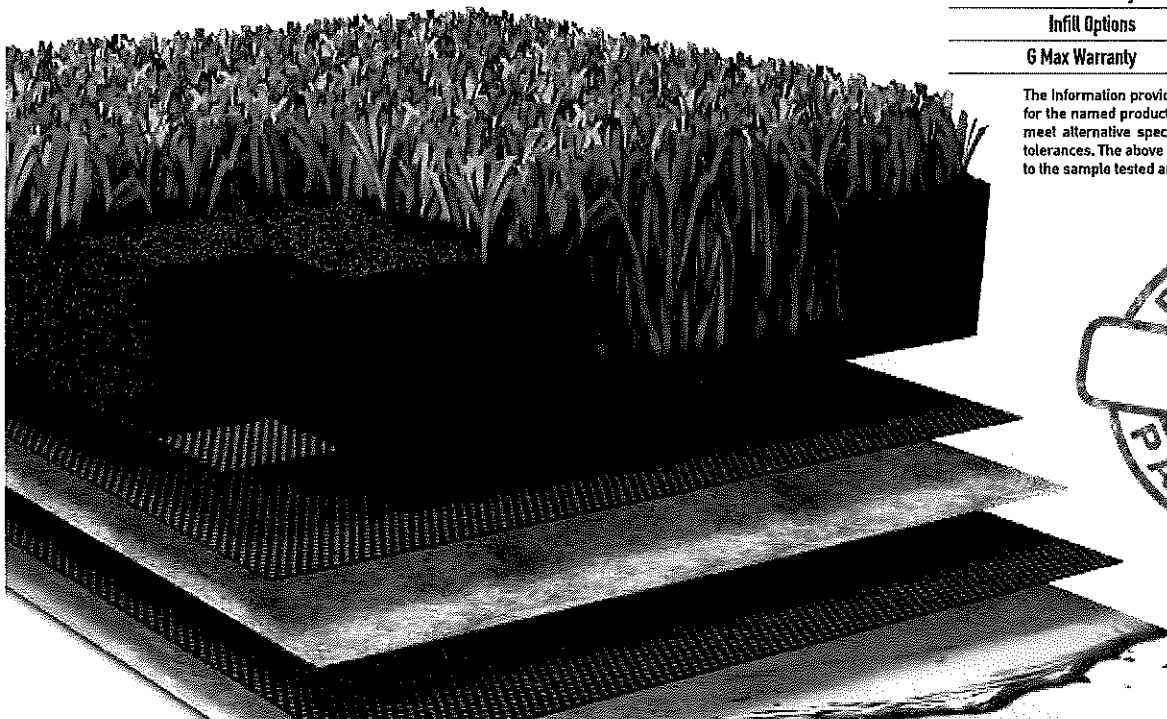
Sprinturf's parallel long slit fibrillated fibers are featured in the most fields in the nation over 10 years old. Exclusively made in house and in America. Sprinturf pioneered the Ultrablade parallel slit fiber system in 1998. Over 250 fields have been installed with Ultrablade since 2006 alone. The current Ultrablade slit fiber system features a proprietary Exxon metallacene resin. The 120 micron plus fiber provides unmatched durability. Tensile strengths average 40 percent higher than comparable Tencate XP fibers. Ultrablade routinely passes 100,000 plus cycles on Lisport accelerated testing. Installation include University of Pennsylvania, Valdosta State, and Ball State.

Fiber	Polyethylene Fibrillated, Parallel Long Slit
Fiber Supplier	ITS - Sprinturf
Fiber Denier	10,000
Fiber Thickness	120 Microns
Pile Height	2" - 2.5"
Face Weight	50 oz / yd ²
Primary Backing	Triple Backing
Primary Backing Weight	9 oz / yd ²
Primary Backing	Woven/Non-Woven/Woven
Secondary Backing	Polyurethane
Secondary Backing Weight	22 oz / yd ²
Total Weight (w/o infill)	81 oz / yd ²
Tufting Gauge	3/8" or 1/2"
Tuft Bind	>10 lbs/force
Permeability	>60 inches/hour
Infill Options	100% Rubber (Shown) Other options available
G Max Warranty	All Rubber: < 150G's Sand/Rubber: < 165G's

The Information provided above represents the standard characteristics for the named product. If required this product can be manufactured to meet alternative specification requirements within our manufacturing tolerances. The above referenced data and supporting reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products.



PHONE: 770-933-4070
FAX: 770-933-4059
550 LONG POINT ROAD
MOUNT PLEASANT, SC, 29464



FIBER		FACE WEIGHT	PILE HEIGHT	WARRANTY	INFILL OPTIONS				
	SLIT-FILM	50 OUNCES	2.25 INCHES	8 YEARS		100% RUBBER	COOLFILL	RUBBER & SAND	ORGANIC

SPRINTURF®

History

- Fields in the ground since 1998
- Zero Fiber Failures
- Most fields in the U.S.A. older than 10 years
- Most 100% rubber infill fields in the U.S.A.

Technology

- Proprietary premium Metallocene polymer from Exxon Mobil
- Introducing new Shark-Tooth fibrillation
- Introducing new patent-pending, no-perforation urethane coating with 2x drainage
- Available with Cool Fiber and dual color configurations

Durability

- 100K cycles on the Lisport
- 120 micron fiber thickness for maximum durability
- Independent testing better than Tencate XP

Risk Mitigation

- The only North American turf company with 100% of fibers made in-house and in the U.S.A. (Fiber failure is the primary cause of field failures)
- The only North American turf company with vertically integrated fiber manufacturing, tufting, coating and installation
- The only turf company that is 100% American owned, 100% invested in America and has a 100% American workforce

Lisport Testing

- No splitting or cracking
- Excellent resiliency

Manufacturing

- State-of-the-art Starlinger extruders
- High-speed tufting machines
- Dedicated urethane coater
- Texturized thatch capability



Manufacturing Facility



UltraBlade 50

Year	Mo	Day	Project Name	City	State	Zip	S.F.	Contact Name	Contact Number	Contract Amount	Product Name	Material	Scope of Work
2016	7/30		Callaway Stadium	Lagrange	GA	30240	86,600	Diana Evans	706-883-6555	\$ 301,050.00	UltraBlade	100% Rubber 90% Sand	Removal and Replacement
2016	7/31		Forsyth County Central Park	Cumming	GA	30040	136,900	Deena Kukarala	770-868-4372	\$ 781,125.00	UltraBlade	100% Rubber	Base, Pre-preg Turf Installation
2016	8/2		MacCommunity Park	Cumming	GA	30028	304,000			\$ 845,540.00	UltraBlade	70% Rubber, 30% Sand	Removal and Replacement
2016	8/22		McClellan High School - Practice Field	Power Springs	GA	30027	84,000	Jim Dorsey	770-222-3710 X 317	\$ 332,650.00	UltraBlade DFE w/Coilfiber	100% Coilfiber	Removal and Replacement
2016	8/26		McCullin Tooleen Catholic School - Lipscomb Field	Mobile	AL	36609	93,000	Byr Shields	251-445-2800	\$ 489,650.00	UltraBlade	60% Rubber, 40% Sand	Removal and Replacement
2016	8/28		Peachtree Ridge Park	Savanne	GA	30024	104,700	Jim Iskaneer	771-571-5671	\$ 6,592,534.00	UltraBlade	100% Rubber	Turf & Track
2016	8/25		Russellville High School	Russellville	AL	35553	89,400	Heath Grimes	205-462-3111	\$ 789,543.00	UltraBlade MX Extreme	75% Rubber / 25% Sand	Turf Only - New Installation
2016	8/28		Sylvania City Schools - Legion Field	Altoona	PA	15515	89,400	John McLondon	724-440-1864	\$ 365,000.00	UltraBlade DFE	53% Rubber, 47% Sand	Turf & Base Work
2016	8/21		Valdosta State University	Valdosta	GA	31761	44,800	Dan Conroy	770-470-0485	\$ 829,400.00	UltraBlade DFE	100% Rubber	Removal and Replacement
2016	7/22		Power Park (Fields #6 & #9)	Cumming	GA	30040	85,800	Tommy Bruce	404-305-2236	\$ 314,809.00	UltraBlade DFE w/Coilfiber	100% Rubber	Removal and Replacement
2014	8/19		Bascom-High Stadium	Valdosta	GA	31763	85,100	Valdosta City Schools		\$ 17,040.00	UltraBlade MX	100% Rubber	
2014	8/15		Northway High School	Valdosta	GA	30937	31,800	Palton County Schools		\$ 197,983.00	UltraBlade MM	100% Rubber	
2014	7/25		Social Circle High School - Indoor Field	Social Circle	GA	30025	104,100	Charles Black Const. Co., Inc.	706-885-3155	\$ 474,274.00	UltraBlade MX	100% Rubber	
2013	8/25		Green County Tech High School - Golden Eagles	Social Circle	GA	30025	3,100			\$ 17,040.00	UltraBlade MX	100% Rubber	
2013	7/11		McEachern High School	Paragould	AR	72450	76,200	David Dancer	870-222-3710 X 317	\$ 312,000.00	UltraBlade DFE	100% Rubber	
2013	8/19		WRAL Soccer Complex	Wendell	NC	27616	195,100	Jim Dorsey	315-468-6225	\$ 481,511.00	UltraBlade MX	100% Rubber	
2012	8/1		Arkansas Tech University Football Stadium	Russellville	NC	27616	89,200	Ballard Construction	479-969-0301	\$ 728,753.00	UltraBlade MX	45% Crv/55% Sand	
2011	8/20		Gramton Bowl (Rip & Replaces)	Montgomery	AL	36104	95,000	David Mosley	334-241-2300	\$ 67,500.00	UltraBlade MX	100% Rubber	
2011	3/16		Florida A&M University	Tallahassee	FL	32307	89,600	Wayne Steach	904-668-3868	\$ 329,768.00	UltraBlade MM	100% Rubber	
2010			George Washington Curver H.S. - 9th Ward Field of Dreams	New Orleans	LA	70126	80,600	Derek Home	504-942-7775	\$ 288,000.00	UltraBlade MM	70% Rubber, 30% Sand	
2009	8/17		Johns Creek High School (Fulton County)	Alpharetta	GA	30029	99,700	Brian Bordiniak	404-668-4983	\$ 1,107,484.00	UltraBlade	100% Rubber	
2009	8/4		Langston Hughes High School (Fulton County)	Fairburn	GA	30213	85,100	Joseph Clements	404-668-4983	\$ 765,189.00	UltraBlade	100% Rubber	
2008	8/29		Alpharetta High School	Alpharetta	GA	30029	96,900	Philip Martin	404-668-4983	\$ 744,034.00	UltraBlade NW	100% Rubber	
2008	8/4		Centennial High School	Roswell	GA	30076	69,000	Philip Martin	404-668-4983	\$ 736,165.00	UltraBlade NW	100% Rubber	
2008	8/16		Deuster High School	Fairburn	GA	30213	84,800	Craig Harding	770-887-4151	\$ 867,949.00	UltraBlade NW	100% Rubber	
2008	8/12		Forsyth Central High School	Cumming	GA	30039	99,600	Jerry Cauley	770-887-4151	\$ 660,970.00	UltraBlade NW	100% Rubber	
2008	7/17		Lambert High School	Savanne	GA	30040	103,900	Jerry Cauley	770-887-4151	\$ 847,949.00	UltraBlade NW	100% Rubber	
2008	8/20		North Forsyth High School	Cumming	GA	30040	75,000	Drew Ferrer	770-887-4151	\$ 185,974.00	UltraBlade NW	100% Rubber	
2008	8/4		Tri-Cities High School	Cumming	GA	30041	105,600	Jerry Cauley	770-887-4151	\$ 660,970.00	UltraBlade NW	100% Rubber	
2007	7/30		West Forsyth High School	Cumming	GA	30044	89,600	Philip Martin	404-668-4983	\$ 783,700.00	UltraBlade NW	100% Rubber	
2007	8/7		Banneker High School	Cumming	GA	30044	92,867	Jerry Cauley	770-887-4151	\$ 656,868.00	UltraBlade NW	100% Rubber	
2007	10/1		Birmingham Southern College - Stadium	College Park	GA	30048	95,475	Philip Martin	404-668-4983	\$ 789,490.00	UltraBlade NW	100% Rubber	
2007	7/1		Chattahoochee High School	Birmingham	AL	35202	92,485	Blake Hudson	205-714-1374	\$ 302,756.00	UltraBlade M	85% Rubber, 15% Sand	
2006	8/1		Consolidated High School/Gasden City High School	Birmingham	AL	35224	100,900	Tommy Thompson	205-439-2333	\$ 663,646.00	UltraBlade M	100% Rubber	
2006	8/1		Harrison High School	Hoover	AL	35242	101,400	Jerry Browning	205-439-2333	\$ 1,432,223.00	Sprinet Mono	75% Rubber, 25% Sand	
2006	8/6		Kilgus High School	Gasden	AL	35904	79,500	Joseph Clemens	724-335-4401	\$ 765,111.00	Sprinet Mono	55% Rubber, 45% Sand	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	104,500	Horace Denson	678-498-4840	\$ 276,500.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	78,700	Ed Dombrowski	678-498-4840	\$ 333,300.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Scott Walker	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Mike Santoro	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA	30021	92,300	Tommy Andjige	678-498-4840	\$ 557,000.00	UltraBlade NW	100% Rubber	
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2006	8/1		DeKalb - JR Taylor Stadium (DeKalb Memorial Stadium)	Clarkston	GA								

SPRINTURF REFERENCES

SPRINTURF HAS A DYNAMIC NATIONWIDE PRESENCE, WITH HUNDREDS OF HIGH PROFILE INSTALLATIONS FOR THE NFL, IVY LEAGUE SCHOOLS, AND MORE. BELOW ARE A FEW RECENT NOTABLE INSTALLATIONS. A NATIONAL LISTING CAN BE FURNISHED UPON REQUEST.

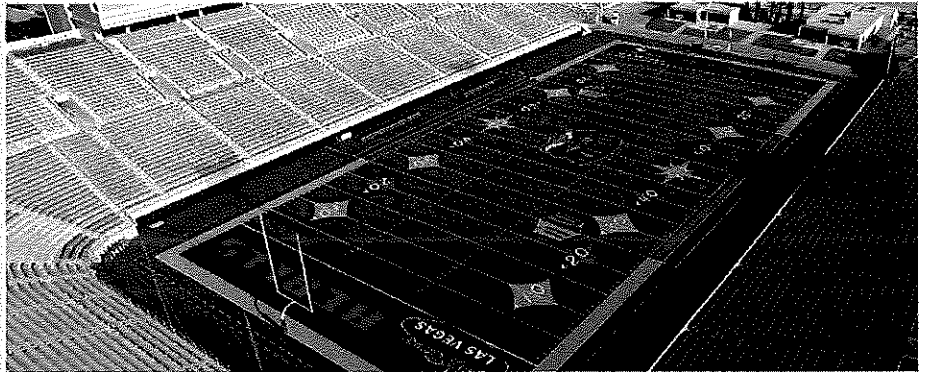
UNIVERSITY OF NEVADA LAS VEGAS

IN 2015, SPRINTURF REMOVED THE EXISTING TURF, COMPLETED BASE REMEDIATION, AND INSTALLED 110,000 SQFT OF ULTRABLADE SLIT FILM TURF AT SAM BOYD STADIUM. THE FIELD WAS RE-

- ▶ SPRINTURF ULTRABLADE
- ▶ RUBBER/SAND INFILL
- ▶ 2.5" PILE HEIGHT

CENTLY FEATURED ON ESPN WHEN THE 2016 USA SEVENS RUGBY TOURNAMENT WAS HELD ON THE FIELD!

CONTACT: TROY GILLET (P)702-248-4000 (EMAIL) TGILLET@TIBERTI.COM



BALL STATE UNIVERSITY, IN

IN 2015, SPRINTURF INSTALLED 84,000 SQUARE FEET OF ULTRABLADE SLIT FILM TURF AT SCHEUMANN STADIUM FIELD LOCATED AT BALL STATE UNIVERSITY IN MUNCIE, IN. THE FIELD IS A

- ▶ SPRINTURF ULTRABLADE
- ▶ RUBBER/SAND INFILL
- ▶ 2.5" PILE HEIGHT

NCAA DIVISION I FIELD. USED FOR FOOTBALL AND OTHER SCHOOL EVENTS. REFERENCE CONTACT: RYAN KOENKER (P)765-285-2821 (EMAIL)RRKOENKER@BSU.EDU



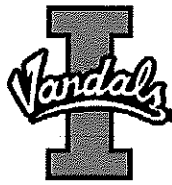
UNIVERSITY OF PENNSYLVANIA

IN 2013, SPRINTURF INSTALLED 85,000 SQUARE FEET OF MONOFILAMENT TURF AT FRANKLIN FIELD STADIUM AT THE UNIVERSITY OF PENNSYLVANIA IN PHILADELPHIA. THE FIELD IS USED FOR FOOTBALL,

- ▶ SPRINTURF ULTRABLADE MX
- ▶ RUBBER/SAND INFILL
- ▶ 2.25" PILE HEIGHT

LACROSSE, FIELD HOCKEY, AND MANY OTHER SCHOOL EVENTS. CONTACT: MIKE DIORKA, (P)215-746-8614 (EMAIL)DIORKA@UPENN.EDU





University of Idaho

We are extremely pleased with the durability and playability of our SprinTurf Field. It has transformed our practice area into a student-athlete friendly field that is used by all athletes throughout the year." – Rob Spear, Athletic Director, University of Idaho.



University of Idaho

Courtesy: Idaho Athletic Media Relations Release: 06/22/2012

What was once a grass, often muddy field, was transformed into a 24/7 practice facility in the summer of 2004 with the SprinTurf Practice Facility on the east side of the Kibbie Dome. The complex includes lighting, SprinTurf in-fill turf, and 150 yards of playing surface. Not only are the field used by Vandal Athletics but they also serve as practice and competition fields for University of Idaho club and intramural teams as well as an occasion local high school competition.



REGIONAL PROJECT REFERENCES

SPRINTURF HAS A DYNAMIC PRESENCE IN THE SOUTH, PARTICULARLY GEORGIA AND ALABAMA. BELOW ARE A FEW OF OUR RECENT GEORGIA INSTALLATIONS. A NATIONAL REFERENCE LISTING IS INCLUDED IN THE PROPOSAL.

MCEACHERN HIGH SCHOOL, GA

SPRINTURF HAS A LONG RELATIONSHIP WITH MCEACHERN HIGH SCHOOL. WE FIRST INSTALLED THEIR FOOTBALL STADIUM FIELD IN 2003. THEY WERE SO HAPPY WITH OUR

- ▶ SPRINTURF ULTRABLADE DFE
- ▶ 100% RUBBER INFILL WITH COOLFILL
- ▶ 2.5" PILE HEIGHT

FIELD THEY CAME BACK TO US IN 2013 TO REPLACE IT AT THE FIELD'S END OF LIFE. IN JANUARY OF 2016, SPRINTURF ALSO REPLACED THEIR PRACTICE FIELD.

CONTACT: JIMMY DORSEY (PHONE)678-873-9935 (EMAIL)JIMMY.DORSEY@COBBK12.ORG



MCGILL-TOOLEN CATHOLIC SCHOOL

MCGILL-TOOLEN CATHOLIC SCHOOL IN MOBILE, ALABAMA, IS ANOTHER LOYAL SPRINTURF CUSTOMER. WE INSTALLED THEIR FIELD AT THE LIPSCOMB COMPLEX IN 2004 AND

- ▶ SPRINTURF ULTRABLADE
- ▶ RUBBER/ SAND INFILL
- ▶ 2.5" PILE HEIGHT

THEN REPLACED IT IN JANUARY OF 2016. THE FIELD IS USED FOR FOOTBALL, SOCCER, AND OTHER SCHOOL EVENTS

CONTACT: FATHER BRY SHIELDS (PHONE)251-445-2900 (EMAIL) SHIELDSB@MCGILL-TOOLEN.ORG



VALDOSTA HIGH SCHOOL, GA

ANOTHER REPEAT CUSTOMER! SPRINTURF FIRST INSTALLED THE FOOTBALL FIELD (CLEVELAND FIELD) AT BAZEMORE-HYDER STADIUM AT VALDOSTA HIGH SCHOOL IN 2004. WE REMOVED

- ▶ SPRINTURF ULTRABLADE DFE
- ▶ 100% RUBBER
- ▶ 2.25" PILE HEIGHT

IT AND REPLACED IT WITH OUR STATE OF THE ART DUAL FIBER DFE IN 2014.

CONTACT: KACI NOBLES (PHONE)(229)671-6011 (EMAIL)KNOBLES@GOCATS.ORG

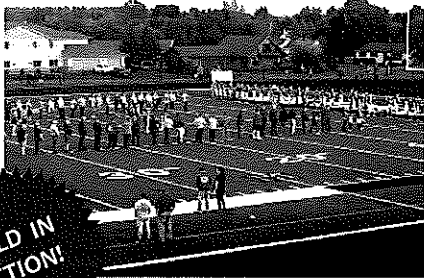


SPRINTURF® PROJECT PROFILE



MERRILL HIGH SCHOOL, WISCONSIN

IN 2015, SPRINTURF WAS CHOSEN IN AN RFP PROCESS TO PROVIDE A STATE-OF-THE-ART SYNTHETIC TURF FOOTBALL FIELD FOR MERRILL HIGH SCHOOL IN MERRILL, WISCONSIN. REFERENCE CONTACT: DALE BERGMAN (PHONE) 715-536-4581 (EMAIL) dale.bergman@maps.k12.wi.us



FIELD IN ACTION!



Merrill Area Public Schools
OFFERING QUALITY EDUCATION FOR ALL STUDENTS



Dr. John Sample
Superintendent

Cindy Heinz, SPHR
Director of Human Resources

Gerald Beyer
Director of Curriculum & Instruction

Karen Baker
Director of Pupil Services & Special Education

Brian Dasher
Director of Finance

Keshia Mashak
Director of Technology/Integration

September 21, 2016

To Whom It May Concern:

It's with great pleasure that I write this letter of recommendation for Mat Steinberg and the Sprinturf team. During our selection process, Mat provided us with a great deal of information to help us make an informed decision on the product we wanted to use. We toured several facilities and had an opportunity to speak directly with the people who maintain and work on the turf. We also spoke with several coaches and athletic directors regarding their experiences with the product. I cannot say enough how helpful Mat was during the selection process.

The crew that came to the site to install the turf was very efficient, professional, and knowledgeable. I would recommend contacting their lead person for tips on items such as how your letters and logos are laid out. They went the extra mile to make sure we were 100% satisfied before they left the site.

We feel we obtained a high quality product for a fair price. We also feel from talking to others that we will have a playing surface that will outplay the life expectancy of similar products. Please feel free to contact me directly if you have any questions or if you would like to tour our facility!

Sincerely,

Dale Bergman

Dale Bergman
Buildings and Grounds Supervisor
Merrill Area Public Schools
dale.bergman@maps.k12.wi.us

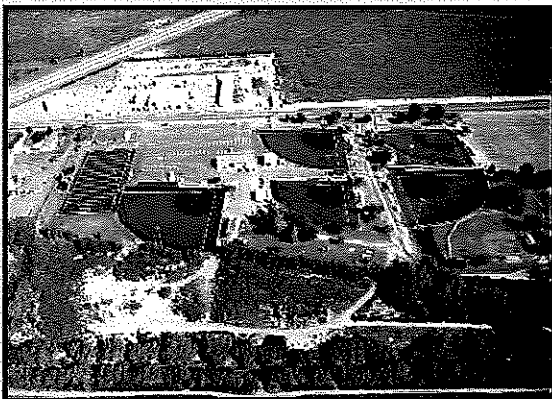


SPRINTURF® PROJECT PROFILE



CITY OF HOBBS, NEW MEXICO

IN 2015, SPRINTURF WAS CHOSEN IN AN RFP PROCESS TO PROVIDE A TOTAL OF 13 NEW SYNTHETIC TURF FIELDS (500K SQ FT) FOR THE CITY OF HOBBS, NEW MEXICO AT THE CITY'S EAST SANGER SPORTS COMPLEX & VETERANS MEMORIAL COMPLEX. WE COMPLETED FULL CONVERSION OF NATURAL GRASS TO SYNTHETIC TURF FOR ALL 13 FIELDS. THE PROJECT WAS COMPLETED AHEAD OF SCHEDULE AND UNDER BUDGET.
REFERENCE CONTACT: DOUG MCDANIEL (PHONE) 575-397-9293 (EMAIL) DMCDANIEL@HOBBSNM.ORG



THE CITY OF
HOBBS, NEW MEXICO

Parks & Recreation Department • 200 East Broadway • Hobbs, NM 88240 • (575) 397-9291

December 21, 2015

Mr. Jonathan Belts
Sprinturf
900 Circle 75 Parkway, Suite 1750
Atlanta, GA 30339

Dear Jonathan,

The City of Hobbs is very proud of the work that Sprinturf did during the course of our \$5.2 million Artificial Turf Installation Project at our Veterans Memorial Complex. The twelve baseball and softball fields along with the youth football/soccer field will be a showcase for our community for many years to come.

When the City of Hobbs began to consider Sprinturf for this project, we did so because we liked the product, we liked the price, and Sprinturf, unlike other bidders, stated that they would meet every one of our deadlines for construction so that not a single day of a season would be missed.

The City of Hobbs, doing our due diligence, contacted individuals from all across the United States who Sprinturf had completed projects for. Every single individual stated that Sprinturf had exceeded their expectations. The Sprinturf staff that was on-site from the first day of the project through the final inspections, definitely exceeded our expectation, as well.

The City of Hobbs knew that installing artificial turf on the 13 fields at the Veterans Memorial Complex would be an economic development driver for our community. In fact, the first event to take place using all 12 of the baseball/softball fields was a 74 team U.S.S.S.A. Boys Baseball Tournament in which only 4 of the teams were from Hobbs. Savings in water consumption was also a consideration for this project and through the first nine months of 2015, the City of Hobbs has realized a savings of 6,626,700 gallons of water!

When the City of Hobbs selected Sprinturf for our project, we were told by other artificial turf vendors that there was no way that Sprinturf could deliver. The City of Hobbs can state unequivocally, that Sprinturf delivered a great product and project for us. It was completed on time and under budget. Every single deadline for each of the fields to be completed was met and in fact many of the fields were completed ahead of those deadlines. Feel free to share my contact information, included below, with anyone that who may have an artificial turf to complete in the future.

Sincerely,

Doug McDaniel

Doug McDaniel
City of Hobbs, New Mexico
Parks & Recreation Director
200 E. Broadway
Hobbs, NM 88240
(575) 397-9293 - Office
dmcdaniel@hobbsnm.org

INSTALLER EXPERIENCE



540 Long Point Road
Suite 205
Mount Pleasant, SC, 29464
770.933.4070
<http://www.sprinturf.com>



540 Long Point Road
Suite 205
Mount Pleasant, SC, 29464
770.933.4070
<http://www.sprinturf.com>

TY AYDIN

201.481.0412 teydia@sprinturf.com

CAREER HISTORY

- National Installations Supervisor**
Sprinturf, LLC – Atlanta, GA 2012 to Present
- Project Superintendent and Foreman**
Sprinturf IC, Inc. – Hamilton, ON 2011 to 2012
- Project Superintendent and Foreman**
I C Improvements Inc/LLC – Hamilton, ON / Parsippany, NJ 1996 to 2010
- Project Manager**
Merit Exteriors Residential Construction - NJ 1992 to 1996

Installations

**Please note that as National Installations Supervisor, Ty oversees all Sprinturf installations. Below is a listing of installations Ty has personally completed*

- | | |
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| <ul style="list-style-type: none"> Arkansas Tech University Incolball Stadium Dutch Clark Stadium St. Louis University Football Stadium Dorset Shearborn High School Sacred Heart University BolyZone Fountain-Fort Carson High School Aurora High School Sumner High School – Sunset Chevy Stadium Sandy High School Field 1 Arlington Catholic High School Susquehannock High School Ambridge Senior High School Jiffin City Schools Canon-McMillan High School | <ul style="list-style-type: none"> Cedar Creek Park – Fields 1 and 2 St. Louis University Baseball Field Nashoba High School Lincoln University Football Practice Field Ravensdale Park City of Malden – McDonald Stadium Father Judge High School – Football and Baseball H Carolina High School St. Joseph's High School Incolball Total Turf Indoor and Outdoor Fields Middletown High School Super Dome Outdoor Field The Sports Zone Shelton High School New York City Parks & Recreation – Victory Field |
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| <ul style="list-style-type: none"> Middletown High School South YMCA Lattaf Toms River High School – North, East, South Metuchen High School Bald Eagle Area High School East Region All Weather Fields Holmdel High School Orangetown Mighty Midgets Athletic Club Sports City Vasylata High School St. Benedict's Prep School North Star Charter Academy West Orange High School – Lincoln Field Penn Trafford High School – Warrior Stadium Drago SportsPlex University of Montana – Grizzlies Stadium Karns City High School Belmont High School South Lyon High School Santa Maria Valley YMCA New York City Parks & Recreation – Redhook Gatesville Independent School District Olympic Soccer Center Union High School Lafayette Field North Creek County Park City of Hobbs, 8 Fields OHM Soccer South Lakes High School War Memorial Stadium Jonathan Law High School Youngstown University Helwig Memorial Park Hamden High School Hall State University-Schumann Stadium West Roxbury Athletic Center 2 Fields New Etchfield High School Buckingham Browne & Nichols School Beachwood High School Hall State University Boar Brand Park Brandon High School Oriskany Eastern High School Bryant University Chen High School Clark University Ferris State University | <ul style="list-style-type: none"> Hollidaysburg Area School District Hunting Stone Casino and Resort's Drive Center High School Chambersburg Area Senior High School McLennan Regional High School Ransom Fair Haven Regional High School Susquehanna Township High School Laurel Highlands Senior High School Karum Kick Sports Grand Sports USA Quilman Street School Soccer Coliseum at Teaneck Armory Hudson River Park – Pier 40 Project Catholic Memorial High School Duluth High School Tri State Sports Union Town High School Soccer City Martin Catholic High School New Jersey Stallions Gairland Independent School District Atlantic Coast Athletic Club Jesuit College Preparatory School Village of Forest Park McEachern High School Weymouth High School City of Las Vegas, 7 Fields Dover High School Hut Swamp Park Westhill High School University of Pennsylvania Lalorah High School J. Binney Crum Stadium Fessenden School 2 fields Plainville High School Harris High School Cole Recreation Center Salem High School Grandville High School Ankova High School Ben Davis High School Bristol Central High School Bloomfields Complex Claway Stadium Cinema High School East Hartford High School Fort Hunter Liggett |
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DUSTIN MARTELL

Installation Foreman/Supervisor

Background and Past Experience

Dustin has over sixteen years of experience in the industry, beginning in 1996 when he spent four years at a Project Foreman for IC Improvements Inc in Hamilton, ON, Canada and Parsippany, NJ. In 2013, Dustin came to work for Sprinturf as a Project Foreman for the Canadian Branch, Sprinturf-IC in Hamilton, ON, Canada. Currently, Dustin is an Installation Foreman and Supervisor in the Northeast and Central Regions of the United States.

Installations

- | | |
|---|---|
| <ul style="list-style-type: none"> St. Johns University Football Stadium – Collegeville, MN Summer High School – Sumner, WA Town of Randolph – Memorial Field – Randolph, MA Middletown High School North – Middletown, NJ Super Dome Outdoor Field – Waldwick, NJ The SportsZone – Berry, NH Shelton High School – Shelton, CT NY City Parks & Recreation – Victory Field – Queens, NY Hollidaysburg Area School District – Hollidaysburg, PA Turning Stone Casino and Resort Dome – Verona, NY Toms River High School East – Toms River, NJ Center High School – Monaca, PA Chambersburg Area Senior High School – Chambersburg, PA Bald Eagle Area High School – Wingate, PA East Region All-Weather Fields – Dartmouth, NS | <ul style="list-style-type: none"> St. Johns University Baseball – Collegeville, MN Sandy High School (4 Fields) – Sandy, OH St. Mark's School – Clark Field – Southborough, MA Susquehannock High School – Glen Rock, PA Ambridge Senior High School – Ambridge, PA Jiffin City Schools – Jiffin, OH Canon-McMillan High School – Canonsburg, PA Middletown High School South – Middletown, NJ YMCA Lattaf – Des Plaines, IL Toms River High School North – Toms River, NJ Toms River High School South – Toms River, NJ Metuchen High School – Metuchen, NJ Orangetown Mighty Midgets Athletic Club – Orangetown, NY Matawan Regional High School – Aberdeen, NJ Ransom-Fair Haven Regional High School – Ransom, NJ Susquehanna Township High School – Harrisburg, PA Sports City – Santa Rosa, CA Wayata High School – Plymouth, NH St. Benedict's Prep School – Newark, NJ North Star Charter Academy – Newark, NJ |
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- | | |
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| <ul style="list-style-type: none"> Holmdel High School – Holmdel, NJ Laurel Highlands Senior High School – Uniontown, PA Karner Kick Sports – Stratford, CT Good Sports USA – Aberdeen, NJ Quilman Street School – Newark, NJ | <ul style="list-style-type: none"> Soccer Coliseum at Teaneck Armory – Teaneck, NJ West Orange High School – Lincoln Field – West Orange, NJ Hudson River Park – Pier 40 Project – Manhattan, NY Drago SportsPlex – Midvale, NJ University of Montana City/EP4 Stadium – Missoula, MT Karns City High School – Karns City, PA Belmont High School – Belmont, MA South Lyon High School – South Lyon, MI Santa Maria Valley YMCA – Santa Maria, CA New Jersey Stallions – Clifton, NJ Gairland Independent School District – Garland, TX Atlantic Coast Athletic Club – Charlottesville, VA Jesuit College Preparatory School – Dallas, TX Village of Forest Park – Forest Park, IL City of Espanola – Espanola, NM (2 Fields) Carmel High School – Carmel, IN Georgetown Visitation Prep School, Washington DC Maggoffin High School – KY Bloomfield Hills High School – MI City of Kokomo – Kokomo, IN Thornapple-Cellogg High School – MI Gibson Southern High School – IN Annsdale High School – Annandale, VA Logansport High School – Logansport, IN (1 Field) Monteville High School Football Stadium – IN McGill Toolen Catholic School – Mobile, AL Ben Davis High School – Indianapolis, IN Grandville High School – Grandville, MI Matt Community Park – Cumming, GA Owensboro Wide School – Owensboro, KY Rochester CSD – Franklin Field – Rochester, NY Salem High School – Salem, OH |
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| <ul style="list-style-type: none"> Good Sports USA – Wall, NJ Penn Trafford High School – Warrior Stadium Hamilton City, PA Catholic Memorial High School – West Roxbury, MA Duluth High School – Duluth, MN Tri States Sports – Aston, PA | <ul style="list-style-type: none"> Union Town High School – Union Town, PA Soccer City – Wilbraham, MA Martin Catholic High School – Greenbrae, CA Soccer City – Wilbraham, MA NY City Parks & Recreation – Redhook – Bronx, NY Gatesville Independent School District – Gatesville, TX Olympic Soccer Center – Seattle, WA Union High School – Luba, OK Lafayette Field – Brooklyn, NY Luxado High School – Lincoln, NE Lastrick High School – WI Westfield Washington High School – WI City of Hobbs, NM (10 Fields) Ba State University – Muncie, IN Jefferson High School – WI Belts Memorial High School – IN Norris High School – Firth, NE Hayfield Secondary School – VA Taylor High School, Kokomo, IN Hayfield Secondary School (2 fields) – Alexander, VA Beachwood High School – Beachwood, OH Indiana University Miller Stadium – Indiana, PA New Millard – North Field Paschereau Ridge Park – GA Rochester CSD – Wilton Field – Rochester, NY Seymour High School – Seymour, IN |
|---|--|

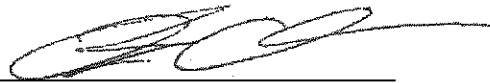


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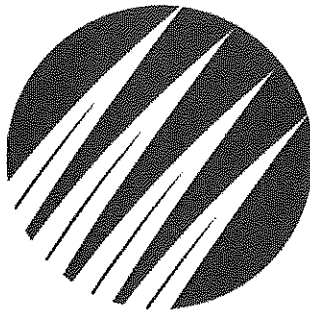
To whom it may concern,

Sprinturf confirms that the supervisor and installation staff that will complete this project are properly trained and have professional experience in the methods required in the contract documents. The staff working on this project will be constructed to the proper requirements of the contract documents. I certify that the contract documents are approved by Sprinturf and are certified for use with the proposed synthetic turf system.

Thank you again for your interest in Sprinturf, we look forward to working with you.

Per: 

Bruce Cheskin
Executive Vice President
Sprinturf LLC
(843)-936-6023
bcheskin@sprinturf.com



SPORTS TURF ONE

ATHLETIC FIELD SPECIALISTS

1) KEY TEAM MEMBERS FOR SPORTS TURF ONE INC:

Burdell 'Dell' Haverland – Owner/President

37 years' experience total

34 year this firm

Education Graduate College of DuPage Glen Ellyn, Ill. Associate degree Business

Certified Irrigation & commercial earthmoving & paving contractor.

Member Sports Turf Managers association & Florida Turfgrass association. Contributor to Sports Turf magazines as writer. Consults & develops athletic field job specifications for County, City as well as engineering & architectural firms.

Projects

PBAU University Rinker Sport Complex.

West Palm Beach, FL

Consulted, wrote specification, and developed grading plans & layout with Project engineers. Job coordination with site contractors. Supervised all irrigation & landscape, built and maintained all 9 athletic fields. Including all earthwork, fencing, scoreboards, bleachers, etc. Wrote technical

Portions of the maintenance RFP. 7 year project Involvement.

The Benjamin School

Palm Beach Garden, FL

Design/Build project worked with project engineer, Schaffer, Fagan, Assoc. & The Weitz Company.

Designed , built. And Maintained 4 athletic fields. Project involvement was 3.5 years

New York Mets Spring Training Faculty

St. Lucie County Parks Department

Renovated the Main baseball stadium, Traditions Field. Renovated the 6 practice fields & are contracted annually for renovation services to prepare for spring training. Installed new synthetic turf infield. 12 year involvement. On site now this date.

The Village of Wellington

Wellington, FL

Renovations at three parks. Village Park, Tiger Shark Park & Olympia Park.

Design/Build 9 soccer field renovation project with full drainage systems. Many baseball field grading & grassing projects. Working there annually for approximately 8 years.

Other: Built, renovated over 2,000 athletic fields statewide. Hold present maintenance contracted for 28 athletic field complexes. Built, maintained and operated 3 Bermuda grass sod farms in Florida.

William 'Bill' Gillan – Vice President

40 years' experience in site work development and construction

Over 20 years at Sports Turf One

Widener University...Chester Pa.

Member Sports Turf Managers Association, Synthetic Turf Council and Florida Turfgrass Association.

Consultant and contributor for athletic field project design and specifications for County, City as well as engineering & architectural firms.

Projects

University of Miami

Coral Gables, FL

Completed 2014

Project Value... \$1.7 M

Estimator of project, Project Manager. Oversee all aspects of construction and maintenance

Complete demolition, renovation, new construction and 6 month maintenance of three football fields. 2 Natural and 1 Synthetic

Florida Atlantic University

Boca Raton, FL

Completed 2011

Project Value... \$300,000.00

Design/Build project worked with project engineer, Miller Legg.

Designed, built, and established the Stadium Football Field.

Estimator of project, Project Manager. Oversee all aspects of construction and maintenance

St Johns County Parks and Rec.

St. Johns, FL

Completed 2009

Project Value... \$1.3 M

Design Build 4 synthetic soccer/football fields at three locations

Estimator of project, Project Manager. Oversee all aspects of construction.

Charlotte Sports Park/ Tampa Bay Rays

Port Charlotte, Fl.

Completed 2008

Project Value... \$1.5 M

New Construction and Renovation of multiple Baseball fields.

Project Manager

Spanish River Park

Boca Raton, Florida

Completed Construction 2011

Project Value...\$1.4 M

Design/build project teamed with Kaufman Lynn Construction

New construction of 4 Softball/ Baseball fields and 4 Soccer Fields

Estimator of project, Project Manager. Oversee all aspects of construction and maintenance

2) KEY MEMBERS FOR PLANNING & EXECUTION:

William Gillan – Vice President

Overseeing of all project details as it pertains to construction, billing, and change orders. Responsible for all communication between the client and Sports Turf One.

Scott Haverland – General Manager/Comptroller

Supervises accounting and financial reporting within our organization. Oversees accounting and the implementation and monitoring of internal affairs. He is also responsible for office operations. Over thirty years in the construction industry.

Keely Haverland – Executive Assistant

With several years of office/clerical experience Keely has a great understanding of details and organization and thus will be responsible for all record keeping as it pertains to our contracts.

Gonzalo ‘Gonzo’ Arizmendi – Construction Supervisor

Gonzo has been with the Sports Turf One family for over 25 years. His great deal of experience and knowledge in all aspects of the construction of athletic fields adds great value to his worth at Sports Turf One. Gonzo also possess great leadership skills which has led him to oversee all construction projects for the company.

3) References:

William Laurie- President of American Heritage Schools (561-495-7272)
Chris Blair- University of Miami Sr. Project Manager (305-284-4706)
Helen Gray- Engineer for Calvin, Giordano & Associates (954-921-7781)

4) SPORTS TURF ONE OFFICE & STAFF:

Sports Turf One, Inc. offices are located at 9819 State Road 7 Boynton Beach, FL 33472. We have a work force of over 40 employees, our employees have been with the company on an average of 12 or more years. Bill Gillan Vice President for Sports Turf One will be your main contact for the project at Morgan Levy Park.

5) SCHEDULING & SERVICES:

Sports Turf One, Inc. scheduling process begins at the time of bidding. We make sure that each process during construction will meet the needs of the consumer. Sports Turf One believes the total projected duration for the work at Doral Meadow Park will be 75 working days.

Projected Project Duration

Permitting- +/- 30 Days

Mobilization- +/- 2 Days

Construct Road & Staging Area- +/- 3 Days

Existing Turf & Airfield Demolition- +/- 10 Days

Preparation of Subgrade- +/- 15 Days

Installation of Drainage System- +/- 7 Days

Installation of Synthetic Turf- +/- 33 Days

Restore Site & Demobilize- +/- 5 Days

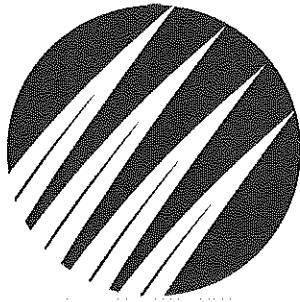
Sports Turf One will work directly with the City of Doral to receive approval for all work associated with Doral Meadow Park. We will provide further descriptions of our work as requested. In the event of a natural disaster or other emergency Sports Turf One will work directly with the City of Doral to overcome any apparent obstacle. Together we will then execute that plan to ensure it meets the needs of the project and City of Doral.

6) LITIGATION OR LAWSUITS:

Sports Turf One, Inc. has been servicing South Florida since 1997. We have completed thousands of successful projects with our extensive experience and company work ethic. Over this time Sports Turf One has not had any litigation, Investigations, Reports, or Audits by any local, state, or federal law enforcement agency, criminal justice agency, health and safety agency, or inspector general office.

7) SUPPLEMENTAL MATERIALS:

Please see all provided materials and visit SportsTurfOne.com for further information.



SPORTS TURF ONE

ATHLETIC FIELD SPECIALISTS

SYNTHETIC TURF INSTALLATION

Project: Synthetic Turf Installation/Stone Base/Drainage
Extension of Existing Synthetic Turf Field
Name: Mast Academy
Location: Key Biscayne, FL
Owner: Mast Academy
General Contractor: Field Turf USA, Inc.
Completion Date: 2016
Contact Person: Chris Wedge – 352-242-7620

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Multiuse Field
Name: Ruth Broad Elementary
Location: Bay Harbor Islands, FL
Owner: Miami-Dade County Public Schools
General Contractor: H. A. Contracting Corp.
Completion Date: 2016
Contact Person: Hank Schmid – 305-591-9212

Project: Restoration & Drainage on Stadium Soccer Field
Name: Rollins College
Location: Winter Park, FL
Owner: Rollins College
General Contractor: Sports Turf One, Inc.
Completion Date: 2016
Contact Person: Mary Edwards – 407-646-2327

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Soccer Field
Name: Flamingo Park
Location: Miami Beach, FL
Owner: City of Miami Beach
General Contractor: SHIFF Construction
Completion Date: 2016
Contact Person: Justen Shiff – 954-524-2575

SYNTHETIC TURF INSTALLATION

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Intramural Multipurpose Fields
Name: University of Central Florida
Location: Orlando, FL
Owner: University of Central Florida
General Contractor: Sports Turf One, Inc.
Completion Date: 2016
Contact Person: Trey Beck – 407-399-6487

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Multipurpose Field
Name: Riviera Preparatory School
Location: Miami, FL
Owner: Riviera Preparatory School
General Contractor: Field Turf USA, Inc.
Completion Date: 2016
Contact Person: Chris Wedge – 352-242-7620

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Multipurpose Field
Name: Orange Bowl Field at Ives Estates Park
Location: Miami, FL
Owner: Miami Dade County
General Contractor: Sports Turf One, Inc.
Completion Date: 2015
Contact Person: Jeff Williamson – (305) 374 3898 x 701

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Multipurpose Field
Name: American Heritage School
Location: Delray Beach, FL
Owner: American Heritage School
General Contractor: Sports Turf One, Inc.
Completion Date: 2015
Contact Person: William Laurie – 561-495-7272

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Multipurpose Field
Name: Somerset Academy
Location: Pembroke Pines, FL
Owner: Somerset Academy
General Contractor: Sports Turf One, Inc.
Completion Date: 2015
Contact Person: Ed Miller – 954-593-5592

SYNTHETIC TURF INSTALLATION

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Practice Football Fields
Name: University of Miami
Location: Coral Gables, FL
Owner: University of Miami
General Contractor: Sports Turf One, Inc.
Completion Date: 2014
Contact Person: Chris Blair – 305-284-4706

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Softball & Football Field
Name: Doral Academy
Location: Doral, FL
Owner: Doral Academy
General Contractor: A-Turf, Inc.
Completion Date: 2014
Contact Person: Dean Ferrell – 716-204-0748

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Multi-Purpose Field
Name: Pine Crest School
Location: Fort Lauderdale, FL
Owner: Pine Crest Prep School.
General Contractor: Field Turf USA, Inc.
Completion Date: 2014
Contact Person: Chris Wedge – 352-242-7620

Project: Synthetic Turf Installation/Drainage
New Construction of Soccer Field
Name: Davis Park
Location: St. Augustine, FL
Owner: St John's County Architect/Engineer:
General Contractor: Sports Turf One, Inc.
Completion Date: 2010
Contact Person: Phyllis Thorpe – 904-209-0190

Project: Synthetic Turf Installation/Drainage
New Construction of Soccer Field
Name: Veterans Park
Location: Ponte Verde, Florida
Owner: St. John's County
General Contractor: Sports Turf One, Inc.
Completion Date: 2009
Contact Person: Phyllis Thorpe – 904-209-0190

SYNTHETIC TURF INSTALLATION

Project: New Construction/Synthetic Turf/Stone Base/Drainage
Name: Sand Pine Park, Boca Raton, FL
Owner: City of Boca Raton
General Contractor: Brang Construction
Sub Contractor: Sports Turf One, Inc.
Completion Date: 2010
Contact Person: James Fedele – 561-368-3180

Project: Synthetic Turf Installation/Drainage
New Construction of Soccer Field
Name: Pine Trails Park
Location: Parkland, Florida
Owner: City of Parkland
General Contractor: Sports Turf One, Inc.
Completion Date: 2010
Contact Person: Scott Davidoff – 954-757-4126

Project: Dynamic Base for Synthetic Turf Installation
Name: Florida Atlantic University
Location: Boca Raton, Florida
Owner: Florida Atlantic University
General Contractor: CSR Heavy Construction
Completion Date: 2006
Contact Person: Paul Arcella – 954-421-1264

Project: Synthetic Turf Installation/Drainage
New Construction of Soccer Field
Name: Gamble Rogers Middle School
Location: St. Augustine, FL
Owner: St John's County
General Contractor: Sports Turf One, Inc.
Completion Date: 2010
Contact Person: Phyllis Thorpe – 904-209-0190

Project: Synthetic Turf Installation/Drainage
New Construction of Soccer and Baseball Fields
Name: Pelican Park & Margolis Park
Location: Sunny Isles Beach, FL
Owner: City of Sunny Isles Beach
General Contractor: Sports Turf One, Inc.
Completion Date: 2012
Contact Person: Helen Gray – 305-792-1913

Project: Synthetic Turf Installation/Drainage
New Construction of athletic fields
Name: City of Pembroke Pines
Location: Pembroke Pines, FL
Owner: Pembroke Pines Charter School, East & Central Campus
General Contractor: Sports Turf One, Inc.
Completion Date: 2014
Contact Person: Jose Pena – 954-914-4550

SYNTHETIC TURF INSTALLATION

Project: Synthetic Turf Installation/Stone Base/Drainage
New Construction of Soccer Field
Name: Broward College
Location: Davie, FL
Owner: Broward College
General Contractor: Field Turf USA, Inc.
Completion Date: 2013
Contact Person: Michael Vincent – 248-860-2893

City of Doral
Doral Meadow Park Turf Replacement
Doral, Florida

BID FORM
for

City of Doral
Doral Meadow Park Turf Replacement
Doral, Florida

TO: City of Doral
Doral, Florida

FROM:

Bidder's Name **Sports Turf One, Inc.**

Address **9819 State Rd 7**

City and State **Boynton Beach FL**

Phone Number **561-369-7994**

Date **2/24/2017**

FAX Number **561-364-1118**

FEIN **59-3476934**

FOR: **RFP # 2017- 01 Doral Meadow Park Synthetic Turf Replacement**

Bidders:

LUMP SUM BASE BID

The undersigned Bidder, with a complete understanding of existing conditions at the Project Site and a complete understanding of the Bidding Documents, including any Addenda acknowledged hereinafter, for the Doral Meadow Park Turf Replacement for the City of Doral, Florida, prepared by Browning Day Mullins Dierdorf, hereby proposes to complete the project, in full and complete accordance with the requirements of the Bidding documents, for the LUMP SUM BASE BID PRICE of:

Nine Hundred Seventy Nine Thousand Six Hundred Twenty Six Dollars \$ **979,626.00**

(written amount)

(numerals)

City of Doral
Doral Meadow Park Turf Replacement
Doral, Florida

MAJOR SUBCONTRACTORS

The Contractor proposes to utilize the following primary subcontractors for the work indicated. (If self-performing a task, enter 'self-perform')

Site Preparation: Self-Perform

Excavation and Grading: Self-Perform

Field Drainage System Installation: Self-Perform

Synthetic Turf Installation: Sprint Turf

SCHEDULE OF VALUES

The Contractor shall provide a preliminary value for each description of work below. The value is to include all labor and material required for a complete installation:

1. General Conditions, Permits, Fees etc.
Forty Thousand Dollars \$ 40,000.00
(written amount) (numerals)

2. Site Clearing and Preparation
One Hundred Twenty Six Thousand Three Hundres Twenty Dollars \$ 126,320.00
(written amount) (numerals)

3. Field Base Layer
One Hundred Forty Three Thousand Seven Hundred Ninety Two Dollars \$ 143,792.00
(written amount) (numerals)

4. Synthetic Turf Drainage System
One Hundred Eighteen Thousand Three Hundred Fourteen Dollars \$ 118,314.00
(written amount) (numerals)

5. Synthetic Surface Field System
Five Hundred Fifty One Thousand Two Hundred Dollars \$ 551,200.00
(written amount) (numerals)

UNIT PRICES

1. The following Unit Prices shall include all costs necessary for the complete installation of the materials or items indicated, including materials, labor, equipment, operations, administration, overhead, profit and taxes (if applicable).

City of Doral
Doral Meadow Park Turf Replacement
Doral, Florida

2. These Unit Prices shall be used to determine the costs for changes in the work during the construction period, when agreed upon by the City.
3. The Bidder shall submit Unit Prices for the following, plus any other Unit Prices requested in the Bidding Documents, in the manner indicated.

	Item	Unit	<u>Price - add / deduct</u>
1.	FDOT #57 Stone	Ton	\$ 27.85
2.	Field Drainage Layer Material	Ton	\$ 32.27
3.	Synthetic Turf with Infill	sq. yd.	\$ 31.68

SUBSTITUTIONS

The undersigned Bidder has based his bid upon the materials, products, articles, equipment, brands, manufacturers and processes described in the Bidding Documents or upon approved equivalents. Proof of equivalency of substitutions is the responsibility of the Bidder, but the Architect/Engineer shall be the sole judge of equivalency. Proposed equivalent substitutions shall be equal in all respects to the requirements of the Bidding Documents, including but not limited to the design, quality, physical size, performance characteristics, strength, previous history of use, and to the method of installation, attachment, or connection to related or adjoining work. Determination of equivalency of proposed substitutions shall be by the Architect/Engineer, before the bid opening date, as described in paragraph entitled "Substitutions" in the Instructions to Bidders.

SECTION 4 – BID SUBMITTAL FORM: RFP#2017-01

(Adjust and simplify as required by commodity being purchased)

THIS PROPOSAL IS SUBMITTED TO:

City of Doral
8401 NW 53rd Terrace
Doral, Florida 33166

1. The undersigned Bidder proposes and agrees, if this Proposal is accepted, to enter into an agreement with The City of Doral to perform and furnish all goods and/or services as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this RFP and in accordance with the other terms and conditions of the Contract Documents.
2. Respondent accepts all of the terms and conditions of the Advertisement or Request for Proposal and Instructions to Bidders, including without limitation those dealing with the disposition of Bid Security. This Proposal will remain subject to acceptance for 90 days after the day of Proposal opening. Respondent agrees to sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within ten days after the date of City's Notice of Award. (If applicable)
3. In submitting this Proposal, Respondent represents, as more fully set forth in the Agreement, that:
 - (a) Respondent has examined copies of all the Proposal Documents and of the following Addenda (receipt of all which is hereby acknowledged.)

Addendum No. <u> 1 </u>	Dated: <u> 2/17/2017 </u>
Addendum No. _____	Dated: _____
Addendum No. _____	Dated: _____
Addendum No. _____	Dated: _____
 - (b) Respondent has familiarized themselves with the nature and extent of the Contract Documents, required goods and/or services, site, locality, and all local conditions and Law and Regulations that in any manner may affect cost, progress, performance, or furnishing of the Work.
 - (c) Respondent has studied carefully all reports and drawings of subsurface conditions and drawings of physical conditions.
 - (d) Respondent has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in addition to or to supplement those referred to in (c) above) which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress, performance, or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, and no additional examinations, investigations, explorations, tests, reports or similar information or data are or will be required by Bidder for such purposes.
 - (e) Respondent has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents.

- (f) Respondent has given the City written notice of all conflicts, errors, discrepancies that it has discovered in the Contract Documents and the written resolution thereof by the City is acceptable to Respondent.
 - (g) This Proposal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; Respondent has not directly or indirectly induced or solicited any other Respondent to submit a false or sham Proposal; Respondent has not solicited or induced any person, firm or corporation to refrain from submitting; and Respondent has not sought by collusion to obtain for itself any advantage over any other Respondent or over the City.
4. Respondent understands that the quantities provided are only provided for proposal evaluation only. The actual quantities may be higher or lower than those in the proposal form.
 5. Respondent understands and agrees that the Contract Price is Unit Rate Contract to furnish and deliver all of the Work complete in place As such the Respondent shall furnish all labor, materials, equipment, tools superintendence, and services necessary to provide a complete Project.
 6. Respondent agrees that the work will be completed as scheduled from the date stipulated in the Notice to Proceed.
 7. Communications concerning this Proposal shall be addressed to:

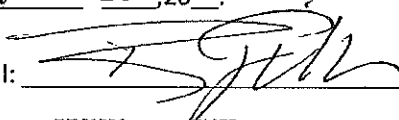
Bidder:	<u>Sports Turf One, Inc.</u>
Address:	<u>9819 State Rd 7</u> <u>Boynton Beach, FL 33472</u>
Telephone	<u>561-369-7994</u>
Facsimile Number	<u>561-364-1118</u>
Attention:	<u>Bill Gillan Vice President</u>
 8. The terms used in this Proposal which are defined in the General Conditions of the Contract included as part of the Contract documents have the meanings assigned to them in the General Conditions.

STATEMENT

I understand that a "person" as defined in Para. 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding Contract and which Bids or applies to Bid on Contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "persons" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of any entity.

SUBMITTED THIS DAY February 24, 2017.

Person Authorized to sign Proposal: _____



(Signature)

William Gillan

(Print Name)

Vice President

(Title)

Company Name: Sports Turf One, Inc.

Company Address: 9819 State Rd 7

Boynton Beach, FL 33472

Phone: 561-369-7994 Fax: 561-364-1118

_____ email: billg@sportsturfone.com

SECTION 5 – FORMS / DELIVERABLES

THE FOLLOWING MATERIALS ARE CONSIDERED ESSENTIAL AND NON-WAIVABLE FOR ANY RESPONSE TO AN INVITATION TO BID.

BIDDERS SHALL SUBMIT THE SUBSEQUENT FORMS ON PAGES 35-59 IN THE EXACT SEQUENCE PROVIDED, INCLUDING INSERTION OF DOCUMENTS WHERE SPECIFIED.

LIST OF ATTACHED FORMS:

- Statement of No Response
- Solicitation Response Form
- Bidder Information Worksheet
- Bidder Qualification Statement
- Business Entity Affidavit
- Americans with Disabilities Act (ADA) (Disability Non-Discrimination Statement)
- Non-Collusion Affidavit
- Public Entity Crimes (Sworn Statement)
- Drug Free Workplace Program
- Copeland Act Anti-Kickback Affidavit
- Equal Opportunity Certification
- Code of Silence Certification
- Tie Bids Certification
- Bidders Certification
- Certificate of Authority
- Acknowledgement of Conformance with OSHA Standards

STATEMENT OF NO RESPONSE

RFP#2017-01

**FOR BIDDERS SUBMITTING TO THIS OPPORTUNITY, YOU MAY WRITE
"N/A" ON THIS FORM.**

If you are not proposing on this service/commodity, please complete and return this form to: City of Doral – City Clerk’s Office 8401 NW 53rd Terrace, Doral, FL 33166. Failure to respond may result in deletion of your firm’s name from the qualified vendor list for the City of Doral.

COMPANY NAME: N/A

ADDRESS: N/A

TELEPHONE: N/A

SIGNATURE: N/A

DATE: N/A

We, the undersigned have declined to submit a Bid on the above because of the following reasons:

- Specifications/Scope of Work too “tight”, i.e., geared toward brand or manufacturer only (explain below)
- Insufficient time to respond
- We do not offer this product, service or an equivalent
- Our schedule would not permit us to perform
- Unable to meet bond requirements
- Specifications unclear (explain below)
- Other (specify below)

REMARKS: _____

Solicitation Response Form

BIDDERS MUST ATTACH THIS FORM TO THE EXTERIOR OF THE SEALED PACKET.

Name: RFP#2017-01 Title: Replacement of Synthetic Turf Fields at
Doral Meadow Park

Due Date: February 27, 2017 at 11:00 AM

Delivery Location: City of Doral
City Clerk's Office
8401 NW 53rd Terrace
Doral, FL 33166

Submitted by: Sports Turf One, Inc.
(name of company and address) 9819 State Rd 7
Boynton Beach, FL 33472

PLEASE DO NOT TAPE BELOW THIS LINE

For Office Use Only:

Date and Time Received:

Received by: _____

of originals: ___ *# of copies:* ___ *# of CD copies:* ___

BIDDER INFORMATION WORKSHEET

RFP #2017-01

COMPANY/AGENCY/FIRM NAME: Sports Turf One, Inc.

ADDRESS: 9819 State Rd 7 Boynton Beach, FL 33472

BUSINESS EMAIL ADDRESS: billg@sportsturfone.com PHONE No.: 561-369-7994

CONTACT PERSON & TITLE: Bill Gillan Vice President

CONTACT EMAIL ADDRESS: billg@sportsturfone.com PHONE No.: 561-369-7994

BUSINESS HOURS: Monday- Friday 8am-4pm

BUSINESS LEGAL STATUS: (circle one) CORPORATION PARTNERSHIP / JOINT VENTURE / LLC

BUSINESS IS A: (circle one) PARENT SUBSIDIARY / OTHER _____

DATE BUSINESS WAS ORGANIZED/INCORPORATED: 10/3/1997

ADDRESS OF OFFICE WHERE WORK IS TO BE DONE FOR THIS PROJECT
(if different from address provided above):

N/A

INDIVIDUALS(S) AUTHORIZED TO MAKE REPRESENTATIONS FOR THE BIDDER:


Burdell Haverland President 561-369-7994

(First, Last Name) (Title) (Contact Phone Number)

William Gillan Vice President 561-369-7994

(First, Last Name) (Title) (Contact Phone Number)

(First, Last Name) (Title) (Contact Phone Number)

CONTACT'S SIGNATURE:  DATE: 2/24/2017

BIDDER QUALIFICATION STATEMENT

RFP#2017-01

The Bidder's response to this questionnaire will be utilized as part of the City's overall Bid Evaluation to ensure that the Bidder meets, to the satisfaction of the City of Doral, the minimum requirements for participating in this solicitation.

The following minimum experience is required for this project:

ON THE FORM BELOW, BIDDER MUST PROVIDE DETAILS FULFILLING ABOVE MINIMUM EXPERIENCE REQUIREMENTS. IT IS MANDATORY THAT BIDDERS USE THIS FORM IN ORDER TO INDICATE THAT THE MINIMUM EXPERIENCE REQUIREMENT IS MET. NO EXCEPTIONS WILL BE MADE.

1. Project Name/Location Replacement of Synthetic Turf Fields at Morgan Levy Park

Owner Name City of Doral

Contact Person Lazaro Quintero- Assistant Parks & Recreation Director

Contact Telephone No. 305-593-6600

Email Address: Lazaro.Quintero@cityofdoral.com

Yearly Budget/Cost \$932,470.00

Dates of Contract From: 7-7-2016 To: 7-5-2017

2. Project Name/Location Doral Academy Synthetic Turf Sofftball & Football Field

Owner Name Doral Academy

Contact Person Danny Gonzalez- Athletic Director

Contact Telephone No. 305-484-7629

Email Address: doralathletics@gmail.com

Yearly Budget/Cost 264,000.00

Dates of Contract From: July 2014 To: August 2014

3. Project Name/Location Orange Bowl Field at Ives Estates Park- Synthetic Turf

Owner Name Miami-Dade County

Contact Person Byron Dowell- Construction Manager Miami-Dade County

Contact Telephone No. 305-755-7810

Email Address: bdowell@miamidade.gov

Yearly Budget/Cost \$783,000.00

Dates of Contract From: July 2015 To: September 2015

END OF SECTION

**BUSINESS ENTITY AFFIDAVIT
(VENDOR / BIDDER DISCLOSURE)**

RFP#2017-01

I, William Gillan, being first duly sworn state:

The full legal name and business address of the person(s) or entity contracting or transacting business with the City of Doral ("City") are (Post Office addresses are not acceptable), as follows:

59-3476934

FEDERAL EMPLOYER IDENTIFICATION NUMBER (IF NONE, SOCIAL SECURITY NUMBER)

Sports Turf One, Inc.- Corporation

Name of Entity, Individual, Partners, or Corporation

Doing business as, if same as above, leave blank

9819 State Rd 7

Boynton Beach FL 33472

STREET ADDRESS

SUITE

CITY

STATE

ZIP CODE

OWNERSHIP DISCLOSURE AFFIDAVIT

1. If the contact or business transaction is with a corporation, the full legal name and business address shall be provided for each officer and director and each stockholder who holds directly or indirectly five percent (5%) or more of the corporation's stock. If the contract or business transaction is with a trust, the full legal name and address shall be provided for each trustee and each beneficiary. All such names and addresses are (Post Office addresses are not acceptable), as follows:

<u>Full Legal Name</u>	<u>Address</u>	<u>Ownership</u>
Burdell Haverland	9819 State Rd 7 Boynton Beach, FL 33472	100 %
		%
		%

2. The full legal names and business address of any other individual (other than subcontractors, material men, suppliers, laborers, or lenders) who have, or will have, any interest (legal, equitable, beneficial or otherwise) in the contract or business transaction with the City are (Post Office addresses are not acceptable), as follows:

N/A



Signature of Affiant

2/24/2017

Date

William Gillan

Printed Name of Affiant

Sworn to and subscribed before me this 24th day of February, 2017.

Personally known X

OR

Produced identification _____

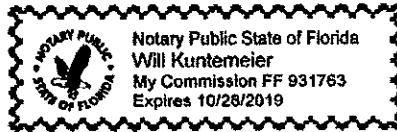
Notary Public-State of Florida

Type of Identification

My commission expires: 10/28/2019



Printed, typed, or stamped commissioned name of Notary Public



**AMERICANS WITH DISABILITIES ACT (ADA)
DISABILITY NONDISCRIMINATION STATEMENT**

RFP#2017-01

Title: Replacement of Synthetic Turf Fields at Doral Meadow Park

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted to the City Of Doral, Florida

by: **William Gillan Vice President**
(print individual's name and title)

for: **Sports Turf One, Inc.**
(print name of entity submitting sworn statement)

whose business address is: **9819 State Rd 7 Boynton Beach, FL 33472**

and (if applicable) its Federal Employer Number (FEIN)
is: **59-3476934**

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: _____ - _____ - _____.)

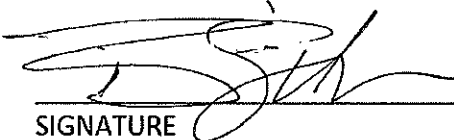
I, being duly first sworn state:

That the above named firm, corporation or organization is in compliance with and agreed to continue to comply with, and assure that any subcontractor, or third party contractor under this project complies with all applicable requirements of the laws listed below including, but not limited to, those provisions pertaining to employment, provision of programs and services, transportation, communications, access to facilities, renovations, and new construction.

The American with Disabilities Act of 1990 (ADA), Pub. L. 101-336, 104 Stat 327, 42 USC 1210112213 and 47 USC Sections 225 and 661 including Title I, Employment; Title II, Public Services; Title III, Public Accommodations and Services Operated by Private entities; Title IV, Telecommunications; and Title V, Miscellaneous Provisions.

The Florida Americans with Disabilities Accessibility Implementation Act of 1993, Section 553.501 553.513, Florida Statutes:

The Rehabilitation Act of 1973, 229 USC Section 794;
The Federal Transit Act, as amended 49 USC Section 1612;
The Fair Housing Act as amended 42 USC Section 3601-3631.


SIGNATURE


Sworn to and subscribed before me this **24th** day of **February**, 20 **17**.

Personally known X

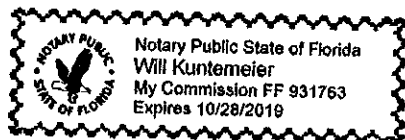
OR

Produced Identification _____

Notary Public- State of Florida
My commission expires: 10/28/2019



Printed, typed, or stamped commissioned name of Notary Public



NON-COLLUSION AFFIDAVIT
RFP#2017-01

State of Florida)

) SS

County of Palm Beach)

William Gillan being first duly sworn, deposes and says that:

(1) He/She/They is/are the Vice President

(Owner, Partner, Officer, Representative or Agent) of Representative the Respondent that has submitted the attached Proposal;

(2) He/She/They is/are fully informed respecting the preparation and contents of the attached Proposal and of all pertinent circumstances respecting such Proposal;

(3) Such Proposal is genuine and is not a collusive or sham Proposal;

(4) Neither the said RESPONDENT nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other RESPONDENT, firm, or person to submit a collusive or sham Proposal in connection with the Work for which the attached Proposal has been submitted; or to refrain from submitting in connection with such Work; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any RESPONDENT, firm, or person to fix any overhead, profit, or cost elements of the Proposal or of any other RESPONDENT, or to fix any overhead, profit, or cost elements of the Proposal Price or the Proposal Price of any other RESPONDENT, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Work;

(5) The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the RESPONDENT or any other of its agents, representatives, owners, employees or parties in interest, including this affiant.

Signed, sealed and delivered

in the presence of:

By: 

WILLIAM GILLAN

(Printed Name)

VP

(Title)

ACKNOWLEDGMENT

State of Florida

County of **Palm Beach**

On this the **24th** day of **February**, 20**17** before me, the undersigned Notary

Public of The State of Florida, personally appeared

William Gillan and

(Name(s) of individual(s) who appeared before notary) whose name(s) is/are Subscribed to the within instrument, and he/she/they acknowledge that he/she/they executed it.

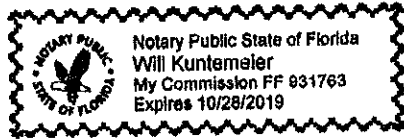
WITNESS my hand and official seal.

[Signature]

NOTARY PUBLIC, STATE OF FLORIDA

NOTARY PUBLIC:

SEAL OF OFFICE:



(Name of Notary Public: Print, Stamp, or Type as Commissioned.)

- Personally known to me, or
- Personally identification:

(Type of

Identification Produced)

- DID take an oath,
- or

DID NOT take an oath.

OPTIONAL INFORMATION:

Type Of Document: Number of Pages: Number of Signatures Notarized:

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

RFP#2017-01

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to City of Doral
by William Gillan
for Sports Turf One, Inc. whose business
address is 9819 State Rd 7 Boynton Beach FL 33472
and (if applicable) its
Federal Employer Identification number (FEIN) is 59-3476934 (IF the entity had no FEIN, include the
Social Security Number of the individual signing this sworn statement: _____).

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any Bid or Contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Para. 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an "affiliate" as defined in Para. 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime; or
2. Any entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executors, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prime facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Para. 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding Contract and which Bids or applies to Bid on Contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "persons" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of any entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Indicate which statement applies.)

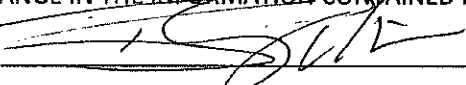
X Neither the entity submitting this sworn statement, nor any of it's officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor

any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order.)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

By: 

(Printed Name) William Gillan

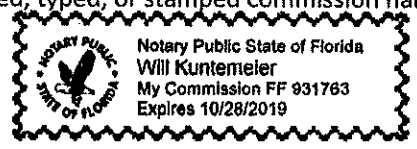
(Title) Vice President

Sworn to and subscribed before me this 24th day of February, 2017

Personally known Or Produced
Identification _____ Notary Public - State of Florida My Commission
Expires 10/28/2019

(Type of Identification)(Printed, typed, or stamped commission name of notary public)





DRUG-FREE WORKPLACE PROGRAM
RFP#2017-01

IDENTICAL TIE BIDS – Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform Employees about the dangers of drug abuse in the workplace, the business' policy of maintaining drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a conditions of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



VENDOR'S SIGNATURE

William Gillan

VENDOR PRINT NAME

Sports Turf One, Inc.

NAME OF COMPANY


COPELAND ACT ANTI-KICKBACK AFFIDAVIT
RFP#2017-01

STATE OF **Florida** }

} SS:

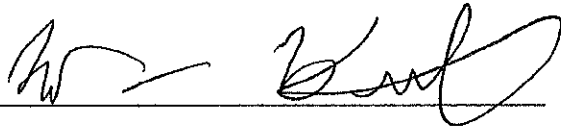
COUNTY OF **Palm Beach** }

I, the undersigned, hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Doral, its elected officials, and **Sports Turf One, Inc.** or its design consultants, as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: 
William Gillan
Title: **Vice President**

Sworn and subscribed before this

24th day of **February**, 20 **17**

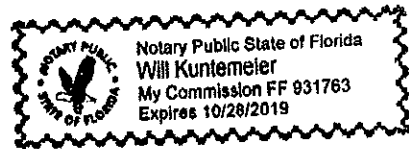


Notary Public

Will Kuntemeier

(Printed Name)

My commission expires: 10/28/2019



EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

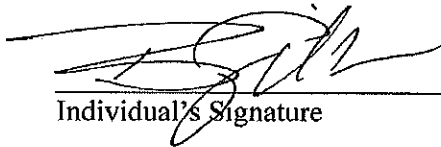
RFP#2017-01

I, **William Gillan**, **Vice President**
(Individual's Name) (Title)

of the **Sports Turf One, Inc.**, do hereby certify that
(Name of Company)

I have read and understand the Compliance with Equal Employment Opportunity requirements set forth under sub-section 5.1.3 of this document.

Attachment of this executed form, as such, is required to complete a valid bid.



Individual's Signature

2/24/2017
DATE

CONE OF SILENCE CERTIFICATION
RFP#2017-01

I, William Gillan, Vice President
(Individual's Name) (Title)

of the Sports Turf One, Inc., do hereby certify that
(Name of Company)

I have read and understand the terms set forth under section 1.11 of this document titled 'Cone of Silence'.

Attachment of this executed form, as such, is required to complete a valid bid.



Individual's Signature

2/24/2017

Date

TIE BIDS CERTIFICATION
RFP#2017-01

I, **William Gillan**, **Vice President**
(Individual's Name) (Title)

of the **Sports Turf One, Inc.**, do hereby certify that
(Name of Company)

I have read and understand the requirements/procedures for Tie Bids set forth under sub-section 5.1.5 of this document.

Attachment of this executed form, as such, is required to complete a valid bid.



Individual's Signature

2/24/2017
Date

RESPONDENT'S CERTIFICATION

RFP#2017-01

I have carefully examined the Request for Proposal, Instructions to Respondents, General and/or Special Conditions, Vendor's Notes, Specifications, proposed agreement and any other documents accompanying or made a part of this Request for Proposals.

I hereby propose to furnish the goods or services specified in the RFP. I agree that my Proposal will remain firm for a period of 365 days in order to allow the City adequate time to evaluate the Proposals.

I certify that all information contained in this Proposal is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this proposal on behalf of the firm as its act and deed and that the firm is ready, willing and able to perform if awarded the contract.

I further certify, under oath, that this proposal is made without prior understanding, agreement, connection, discussion, or collusion with any other person, firm or corporation submitting a Proposal for the same product or service; no officer, employee or agent of the City of Doral or any other Respondent is interested in said Respondent; and that the undersigned executed this Respondent's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crimes may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, sub-contractor, or consultant under a contract with a public entity, and may not transact business with any public entity in excess of the threshold amount provided in Sec. 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

Sports Turf One, Inc.

Name of Business

By:



Signature

William Gillan Vice President

Name and Title, Typed or Printed

9819 State Rd 7

Mailing Address

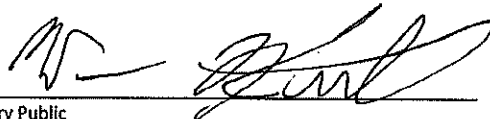
Boynton Beach, FL 33472

City, State and Zip Code

561-369-7994

Telephone Number

Sworn to and subscribed before me
this 24th day of February, 2017

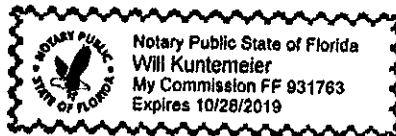


Notary Public

STATE OF Florida

10/28/2019

My Commission Expires



CERTIFICATE OF AUTHORITY
(IF CORPORATION)

STATE OF **Florida**)
) SS:
COUNTY OF **Palm Beach**)

I HEREBY CERTIFY that a meeting of the Board of Directors of the
Sports Turf One, Inc.

a Corporation existing under the laws of the State of **Florida**, held
on **February 24th**, 20 **17**, the following resolution was duly passed and adopted:

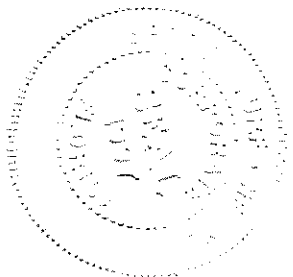
"RESOLVED, that, as President of the Corporation, be and is hereby authorized to execute the Bid dated,
February 24th, 20 **17**, to the City of Doral and this Corporation and that their execution thereof, attested by the
Secretary of the Corporation, and with the Corporate Seal affixed, shall be the official act and deed of this Corporation."

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Corporation this **24th** day of
February, 20 **17**.

Secretary: *Bundee Hard*

(SEAL)



**CERTIFICATE OF AUTHORITY
(IF PARTNERSHIP)**

STATE OF)
) SS:
COUNTY OF)

I HEREBY CERTIFY that a meeting of the Partners of the N/A

_____ a Corporation existing under the laws
of the State of _____, held on _____, 20_____, the following resolution was duly passed and adopted:

"RESOLVED, that, N/A , as _____ of the Partnership, be and is hereby authorized
to execute the Bid dated, _____ 20_____, to the City of Doral and this partnership and that their execution
thereof, attested by the _____ shall be the official act and deed of this
Partnership."

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this _____, day of _____, 20_____.

Secretary: N/A

(SEAL)

**ACKNOWLEDGMENT OF CONFORMANCE
WITH OSHA STANDARDS**

To the City of Doral,

We **Sports Turf One, Inc.**, hereby acknowledge and
Prime Contractor

agree that we, as the Prime Contractor for City of Doral, **Replacement of Synthetic Turf Fields at Doral Meadow Park, RFP#2017-01**, as specified, have the sole responsibility for compliance with all the requirements of the Federal Occupational Safety and Health Act of 1970, and all State and local safety and health regulations, and agree to indemnify and hold harmless the City of Doral, against any and all liability, claims, damages losses and expenses they may incur due to the failure of :

SPRINTURF
(Subcontractor's Names)

to comply with such act or regulation.

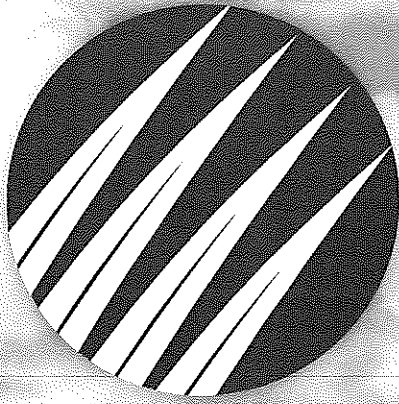
Sports Turf One, Inc.

CONTRACTOR


ATTEST

BY: **William Gillan Vice President**

END OF SECTION

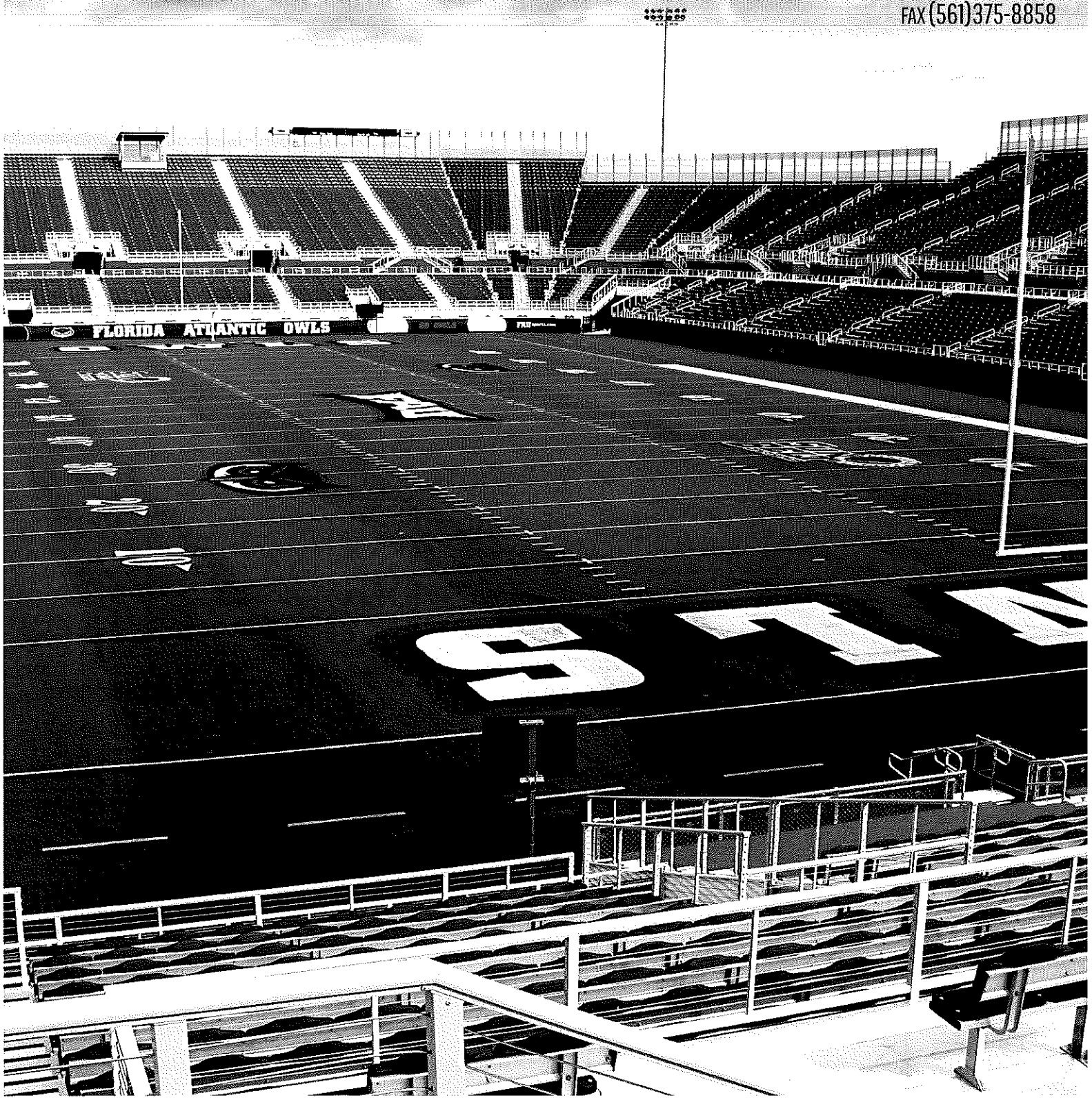


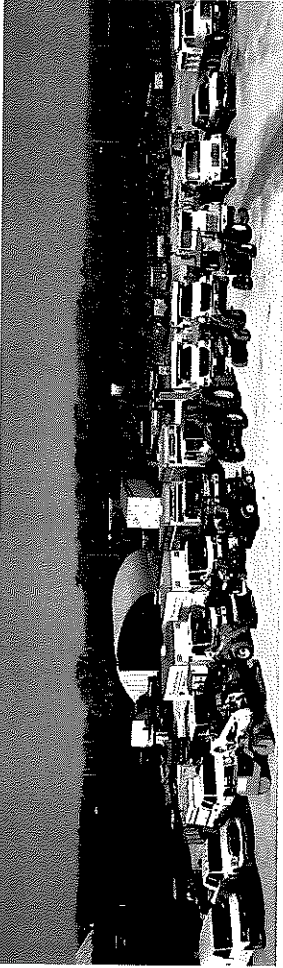
SPORTS TURF ONE

ATHLETIC FIELD SPECIALISTS

PHONE (561) 375-7808

FAX (561) 375-8858





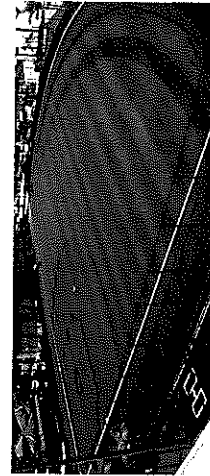
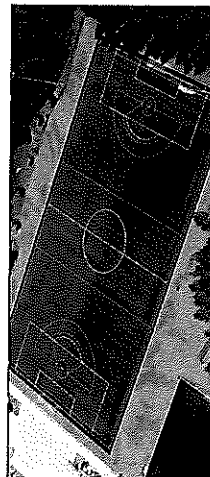
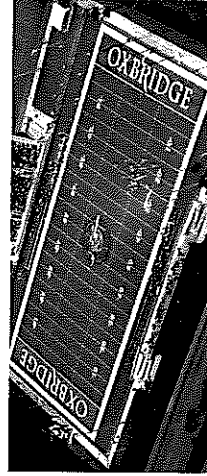
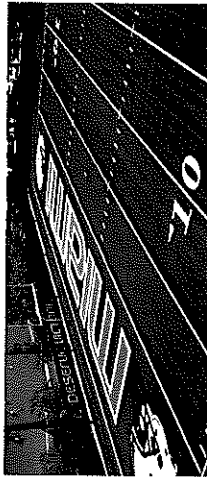
ABOUT SPORTS TURF ONE

Sports Turf One, Inc. based in Boynton Beach, Florida is dedicated to the design, construction and maintenance of Sports Fields. From small specialty services to large turnkey projects, Sports Turf One, Inc., provides unparalleled service and commitment to your unique needs. We are set up to provide quality work at competitive prices with the advantage of a well-rounded and experienced staff.

OUR EXPERT TEAM SPECIALIZES IN FIELDS OF ALL SIZES INCLUDING:

- Professional Teams
- Universities & Colleges
- Municipalities
- High Schools
- Sports Clubs
- Amateurs
- Parks & Recreation
- And More

OUR FOCUS IS SIMPLE: COMMITMENT TO QUALITY AND EXCEEDING EXPECTATIONS.

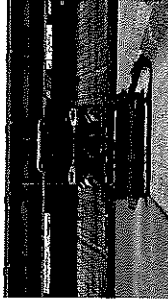


DESIGN

There is more to design than the layout of your field or facility. We work to define the condition and needs of the underlying structure in order to produce results that will accommodate build specifications. We are familiar with the special needs of sports fields including local weather, drainage and accompanying facilities like concessions and storage.

OUR QUALIFIED IN-HOUSE DESIGN TEAM CAN ASSIST YOU WITH THE FOLLOWING:

- Field Design
- Stadium Design
- Estimating & Budgeting
- Drawings & Renderings
- Project Concepts
- Consultations
- Soil Analysis
- And More

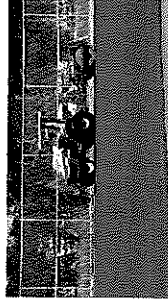


CONSTRUCTION

Our experience and exceptional background allows us to deliver the best level of skill and competency to all parks and field construction projects. Whether your project requires one-of-a-kind implementations, trenches, excavators or more, our fleet of trucks and top-of-the-line equipment permit our trained technicians and superintendents to complete your project, hassle free.

WE OFFER A WELL-ROUNDED SUITE OF CONSTRUCTION SERVICES THAT INCLUDES:

- Turn-key Construction
- Project Management
- Field Construction & Renovations
- Laser Grading
- Clay Work
- Sod Removal & Installation
- Drainage
- Design & Installation
- Irrigation
- Field Equipment
- Architectural Pavement & Hardscaping
- Stadium Seating, Lighting, & Parking
- Track & Field
- And More



MAINTENANCE

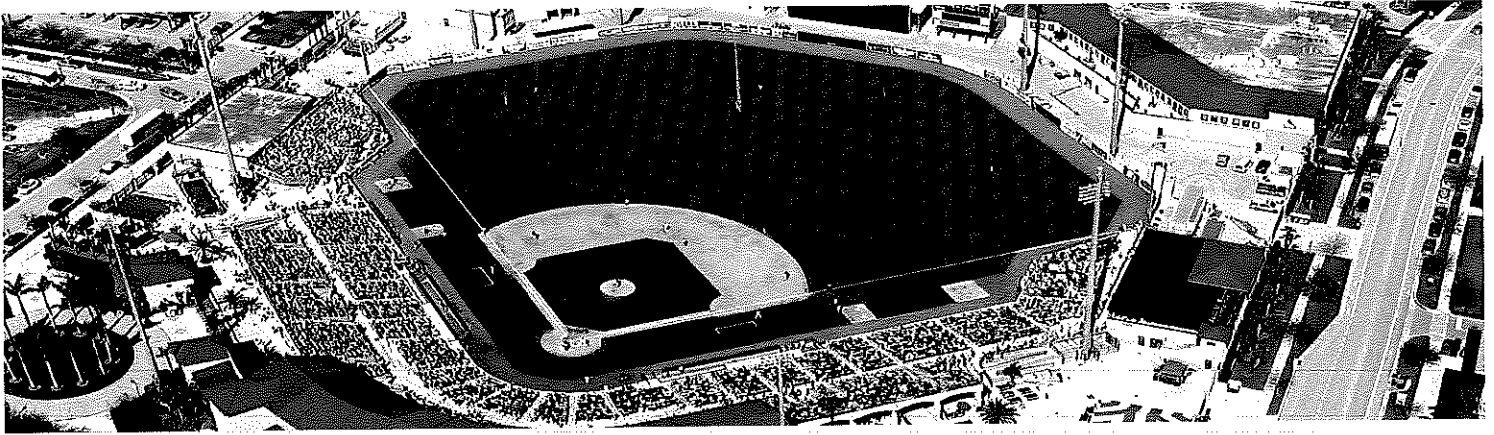
Our athletic field experts will work diligently to create a tailored plan that will keep material costs down and save you labor while maintaining a top-tier facility. We appreciate that field speed, ball roll and safety are all very much related to turf condition which is why we pride ourselves in keeping the fields we maintain win-ready!

OUR SUSTAINABLE MAINTENANCE PLANS INCLUDE:

- Soil Testing
- Fertilization Plan & Weed Control
- Airliftation
- Topdressing
- Mowing
- Verticutting
- Interseeding
- Lip Removal
- Best Management Practices
- And More

SPORTS TURF ONE
ATHLETIC FIELD SPECIALISTS

PHONE (561) 375-1808
FAX (561) 375-8858
WWW.SPORTSTURFONE.COM



WHAT CUSTOMERS HAVE TO SAY ABOUT SPORTS TURF ONE

"Last Summer Sports Turf One was contracted to correct drainage problems on the practice football fields at Florida Atlantic University, as well as the maintenance of the football fields during the football season. I am pleased to note that the drainage problem was essentially corrected through the aggressive maintenance plan that was implemented by Sports Turf One. Our playing surface was far superior than compared to the previous year."

- Howard Schnellenberger, Retired Head Football Coach and Director of Football Operations
Florida Atlantic University, Boca Raton, FL

"The work that Sports Turf One provided was exceptional and their customer service was second to none. They provided constant updates on the project and were always accessible."

- Scott Davidoff, Parks & Recreation Director
City of Parkland, FL

"...The grass project was excellent. Your sod was perfect. The clay project was also first class! Your crew did a great job, and the clean-up was very much appreciated."

- Larry Hoskin, Vice President and GM
Bucky Dent's Baseball School, Delray Beach, FL

WHY CHOOSE US?

Our Approach

To us, it's not just work - we take pride in the solutions we deliver. We encourage each other to achieve excellence in all endeavors and aren't satisfied until projects meet our own personal high standards.

Our Experience

Our highly qualified team has many years of combined experience and dedication to field design, construction and maintenance. Our staff is licensed in each of their respective fields and has the training and skillset required to operate modern equipment in order to achieve the highest level of precision and efficiency.

Our Commitment to Quality

Sports Turf One, Inc.'s reputation for quality and excellence is emblematic of our staff's in-depth understanding of the business. We want to exceed your expectations with our commitment to quality workmanship and customer satisfaction.



9819 US HWY 441
BOYNTON BEACH, FL
33427

PHONE (561)375-7808
FAX (561)375-8858
WWW.SPORTSTURFONE.COM



RESOLUTION No. 17-60

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING THE AWARD OF REQUEST FOR PROPOSALS #2017-01 "REPLACEMENT OF SYNTHETIC TURF FIELDS AT DORAL MEADOW PARK" TO THE TOP RANKED FIRM AND AUTHORIZING THE CITY MANAGER TO ENTER INTO AN AGREEMENT WITH SPORTS TURF ONE FOR AN AMOUNT NOT TO EXCEED \$979,626.00 PLUS A 10% CONTINGENCY FOR A TOTAL NOT TO EXCEED AMOUNT OF \$1,077,588.60; AUTHORIZING THE CITY MANAGER TO NEGOTIATE WITH THE NEXT HIGHEST RANKED FIRM SUCCESSIVELY IF AN AGREEMENT CANNOT BE NEGOTIATED WITH THE TOP RANKED FIRM; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, On January 31, 2017, Request For Proposal #2017-01, "Replacement of Synthetic Turf Fields at Doral Meadow Park" (the "RFP"), was advertised for the provision of providing constructions services for the replacement of the synthetic turf fields at Doral Meadow Park; and

WHEREAS, Twelve (12) firms attended the mandatory pre-bid meeting which was held on February 7, 2017. Five (5) proposal submittals were received on February 27, 2017 with four (4) firms meeting the required criteria; and

WHEREAS, an evaluation meeting was held on March 16, 2017 where proposals received were scored and ranked. The committee determined that based on a Three Hundred (300) Total Point System the firms ranked as follows:

- | | |
|-----------------------|--------------|
| 1. Sports Turf One | 296.0 Points |
| 2. Burke Const. Group | 282.0 Points |
| 3. Pro Grass | 276.0 Points |
| 4. Hellas Const. | 249.0 Points |
| 5. GEC Associates | 115.0 Points |

WHEREAS, Staff has recommended City Council approval to award RFP# 2017-01 “Replacement of Synthetic Turf Fields at Doral Meadow Park” to the top ranked firm and authorize the City Manager to enter into an agreement with Sports Turf One for the provision of providing construction services for the replacement of the synthetic turf fields at Doral Meadow Park in an amount not to exceed \$979,626.00 plus a 10% contingency for a total not to exceed amount of \$1,077,588.60. Staff also requests approval to allow the City Manager to negotiate with the next highest ranked firm successively if an agreement cannot be negotiated with the top ranked firm.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The above recitals are confirmed, adopted, and incorporated herein and made a part hereof by this reference.

Section 2. Award. The RFP is hereby award to Sports Turf One for the provision of providing construction services for the replacement of the synthetic turf fields at Doral Meadow Park is hereby approved.

Section 3. Authorization to Procure Services. The City Manager is hereby authorized to negotiate and enter into an agreement with Sports Turf One, and authorized to negotiate with the next highest ranked firm successively if an agreement cannot be negotiated with Sports Turf One. The agreement is subject to approval by the City Attorney as to form and legal sufficiency and on such other terms and conditions as may be appropriate to protect and further the interests of the City. This Authorization does not create or confer any rights to Sports Turf One or any of the other ranked companies.

Section 4. Implementation. The City Manager and the City Attorney are hereby authorized to take such action as may be necessary to implement the provisions of this Resolution.

Section 5. Effective Date. This resolution shall take effect immediately upon adoption.

The foregoing Resolution was offered by Councilmember Fraga who moved its adoption. The motion was seconded by Councilmember Rodriguez and upon being put to a vote, the vote was as follows:

Mayor Juan Carlos Bermudez	Yes
Vice Mayor Pete Cabrera	Not Present at Time of The Vote
Councilwoman Christi Fraga	Yes
Councilwoman Claudia Mariaca	Yes
Councilwoman Ana Maria Rodriguez	Yes

PASSED AND ADOPTED this 12 day of April, 2017.



JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:



CONNIE DIAZ, CMC
CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY
FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:



WEISS, SEROTA, HELFMAN, COLE & BIERMAN, P.L.
CITY ATTORNEY