



# SUBMITTAL FOR

Multi-Purpose Recreation Fields & Regional Stormwater Treatment System Project  
Portsmouth, NH

**Product:** Synthetic Grass Infill System – Quality Assurance

**Date of Initial Submission:** 10/7/2020

**Specification/Item #:** 02790 – 1.02A7

**Subcontractor/Supplier/Manufacturer:** Fieldturf

PLEASE MARK BELOW WITH REVIEW & ACTION STAMP.

- 1.01C – PFAS/PFOS statement
- 1.02A1 – Certified Sports Builder
- 1.02A2-5 – References
- 1.02A6 – Supervisor Certification
- 1.02F6 – Patent & Infringement Letter
- 1.02F7 – Sample Warranty
- 1.02F8 – Turf Lifespan L
- 1.02F9 – Lead Certificati

<i>QUIRK CONSTRUCTION CORP.</i>			
Job #	<u>000771</u>	Submittal #	<u>02790-04</u>
Date:	<u>9/30/2020</u>	Checked by:	<u>JW</u>

**SUBMITTAL REVIEW**

FURNISH AS SUBMITTED   
  REVISE AND RESUBMIT  
 FURNISH AS NOTED       
  REJECTED

This submittal has been reviewed for general conformance with the plans and specifications for this project. Corrections, comments and/or clarifications noted do not relieve the contractor from coordinating and correlating all dimensions and quantities, selections of construction techniques, coordinating the work of its forces and the other trades, and performance of the work in a safe and satisfactory manner.

**WESTON & SAMPSON ENGINEERS, INC.**

Date 11/3/2020 By *[Signature]*



THE ULTIMATE  
SURFACE EXPERIENCE

October 25, 2019

To Whom it May Concern:

We are aware of media reports around the potential presence of trace amounts of PFAS chemicals in some artificial turf fields. In light of these reports, we have worked closely with our supplier of artificial turf filaments to verify that our products do not contain these chemicals. Our supplier has confirmed that their products are free of PFAS, PFOS and fluorine. We care deeply about the safety of our surfaces and those who use them and we will continue to vigilantly monitor our products to ensure that they remain free of these substances.

Regards,

Darren Gill  
Senior Vice-President of Marketing & Innovation



# AMERICAN SPORTS BUILDERS ASSOCIATION

*Through Its Certification Board  
Has Conferred Upon*

**Eric Rice**

*The Designation*

***CERTIFIED FIELD BUILDER - Synthetic Turf***



FOR EFFORTS TO RAISE THE PROFESSIONAL  
STANDARDS OF FIELD CONSTRUCTION AND  
FOR HAVING SUCCESSFULLY FULFILLED THE  
CONDITIONS OF ELIGIBILITY AND PASSED THE  
REQUIRED EXAMINATION.

In witness whereof we have set our hands on  
this 7<sup>th</sup> day of December, 2017

Certification expires: December 31, 2020

Executive Director

Certification Chairman

# THE TRUSTED CHOICE IN THE IVY LEAGUE



**CHANGE THE GAME**



**CENTRAL CONNECTICUT STATE UNIVERSITY**  
New Britain, CT



**UNIVERSITY OF CONNECTICUT**  
Mansfield, CT



**FAIRFIELD UNIVERSITY**  
Fairfield, CT



**QUINNIPIAC UNIVERSITY**  
Hamden, CT



**SACRED HEART UNIVERSITY**  
Fairfield, CT



**YALE UNIVERSITY**  
New Haven, CT

# CONNECTICUT PROJECTS



## EASTERN CONNECTICUT UNIVERSITY

WINDHAM, CT  
XT  
INSTALLED 2018  
PROJECT: \$537,000

LORI RUNKSMEIER  
(860) 465-5091  
RUNKSMEIERL@EASTERNCT.EDU



## NORWALK HIGH SCHOOL

NORWALK, CT  
REVOLUTION 360  
INSTALLED 2018  
PROJECT: \$375,000

KEN HUGHES  
(203) 505-5681  
KHUGHES@NORWALKCT.ORG



## CITY OF WEST HAVEN

WEST HAVEN, CT  
VERTEX  
INSTALLED 2018  
PROJECT: \$595,000

KEN CARNEY  
(203) 937-6400  
KENC@BAYBROOKREMODELERS.COM

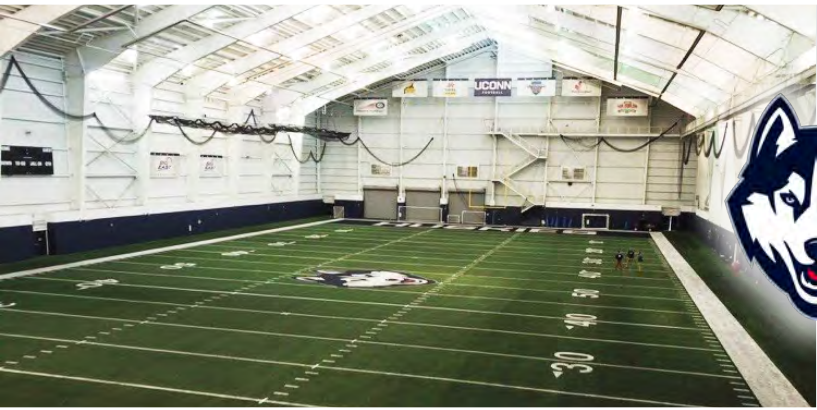


## TRUMBULL HIGH SCHOOL

TRUMBULL, CT  
VERTEX PRIME  
INSTALLED 2017  
PROJECT: \$1,135,404

MIKE KING  
(203) 452-4557  
KINGM@TRUMBULLPS.ORG

# CONNECTICUT PROJECTS



## UNIVERSITY OF CONNECTICUT

MANSFIELD, CT  
REVOLUTION 360  
INSTALLED 2017  
PROJECT: \$450,000

EVAN FEINGLASS  
(860) 486-1258  
EVAN.FEINGLASS@UCONN.EDU



## GLASTONBURY HIGH SCHOOL

GLASTONBURY, CT  
REVOLUTION 360  
INSTALLED 2017  
PROJECT: \$567,000.00

RICHARD JOHNSON  
(860) 652-7500  
RICHARD.JOHNSON@GLASTONBURY-CT.GOV



## DARIEN HIGH SCHOOL

DARIEN, CT  
CLASSIC HD & TRACK  
INSTALLED 2017  
PROJECT \$625,000.00

MIKE LYNCH  
(203) 868-8211  
MLYNCH@DARIENPS.ORG



## DARIEN HIGH SCHOOL

DARIEN, CT  
CLASSIC HD  
PROJECT \$600,000

CHRIS MANFREDONIA  
(203) 655-3981 ex. 2263

# GENERAL CONTRACTING - NE



## EASTERN CONNECTICUT UNIVERSITY

WINDHAM, CT  
XT  
INSTALLED 2018  
PROJECT: \$537,000

LORI RUNKSMEIER  
(860) 465-5091  
RUNKSMEIERL@EASTERNCT.EDU



## NORWALK HIGH SCHOOL

NORWALK, CT  
REVOLUTION 360  
INSTALLED 2018  
PROJECT: \$375,000

KEN HUGHES  
(203) 505-5681  
KHUGHES@NORWALKCT.ORG



## CITY OF WEST HAVEN

WEST HAVEN, CT  
VERTEX  
INSTALLED 2018  
PROJECT: \$595,000

KEN CARNEY  
(203) 937-6400  
KENC@BAYBROOKREMODELERS.COM



## KINGSWOOD OXFORD

WEST HARTFORD, CT  
VERTEX PRIME  
INSTALLED 2018  
PROJECT: \$600,000

LARRY MARCIANO  
(860) 310-7042  
MARCIANO.L@KINGSWOODOXFORD.ORG



# GENERAL CONTRACTING - NE



## TOWN OF WEST HARTFORD

WOLCOTT TENNIS COURTS  
WEST HARTFORD, CT  
TENNIS  
INSTALLED 2018  
PROJECT: \$469,650

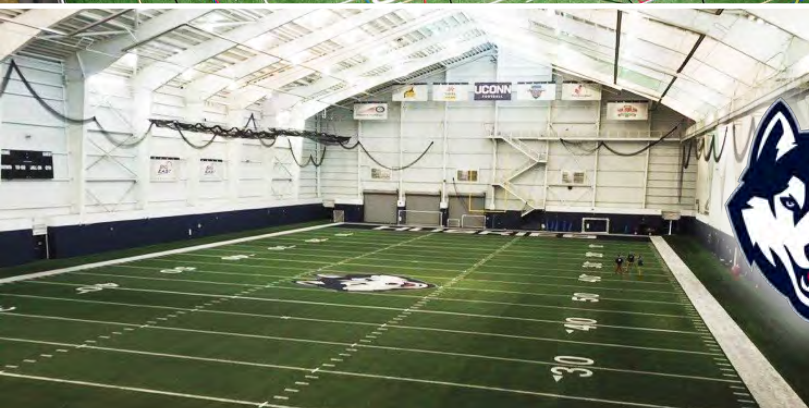
HELEN RUBINO-TURCO  
(860) 561-7510  
HELEN.RUBINO-TURCO@WESTHARTFORDCT.GOV



## TRUMBULL HIGH SCHOOL

TRUMBULL, CT  
VERTEX PRIME  
INSTALLED 2017  
PROJECT: \$1,135,404

MIKE KING  
(203) 452-4557  
KINGM@TRUMBULLPS.ORG



## UNIVERSITY OF CONNECTICUT

MANSFIELD, CT  
REVOLUTION 360  
INSTALLED 2017  
PROJECT: \$450,000

EVAN FEINGLASS  
(860) 486-1258  
EVAN.FEINGLASS@UCONN.EDU



## CONARD HIGH SCHOOL

WEST HARTFORD, CT  
VERTEX  
INSTALLED 2017  
PROJECT: \$379,000

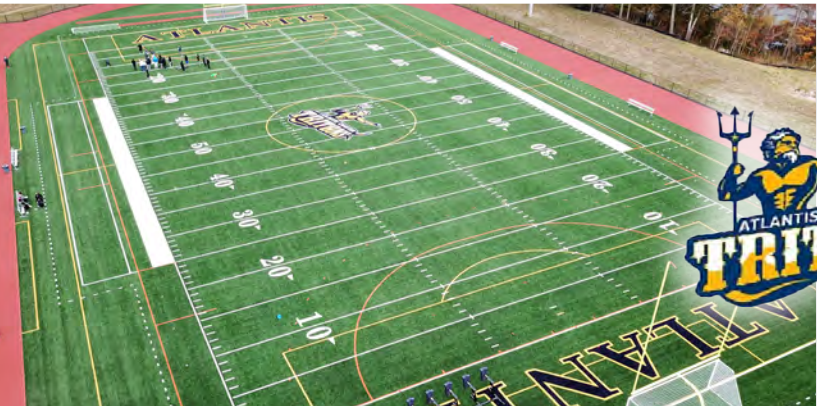
JASON SIEGAL  
(860) 929-5041  
JASON\_SIEGAL@WHPS.ORG

# GENERAL CONTRACTING - NE



## **SALVE REGINA UNIVERSITY**

NEWPORT, RI  
CLASSIC HD  
INSTALLED 2017



## **ATLANTIS CHARTER SCHOOL**

FALL RIVER, MA  
REVOLUTION 360  
INSTALLED 2017



## **GLASTONBURY HIGH SCHOOL**

GLASTONBURY, CT  
REVOLUTION 360  
INSTALLED 2017  
PROJECT: \$567,000.00

RICHARD JOHNSON  
(860) 652-7500  
RICHARD.JOHNSON@GLASTONBURY-CT.GOV



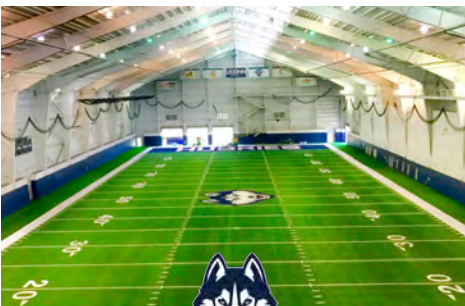
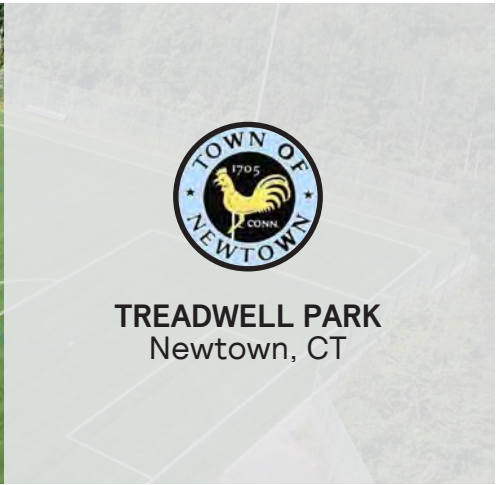
## **DARIEN HIGH SCHOOL**

DARIEN, CT  
CLASSIC HD & TRACK  
INSTALLED 2017  
PROJECT \$625,000.00

MIKE LYNCH  
(203) 868-8211  
MLYNCH@DARIENPS.ORG

# FEATURED PROJECTS

## CONNECTICUT COOPERATIVE PURCHASING



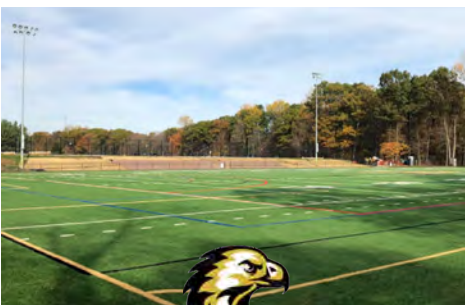
**UNIVERSITY OF CONNECTICUT**  
Mansfield, CT



**DARIEN HIGH SCHOOL**  
Darien, CT



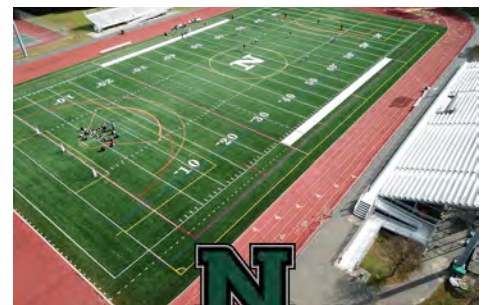
**DARIEN HIGH SCHOOL - BASEBALL**  
Darien, CT



**TRUMBULL HIGH SCHOOL**  
Trumbull, CT

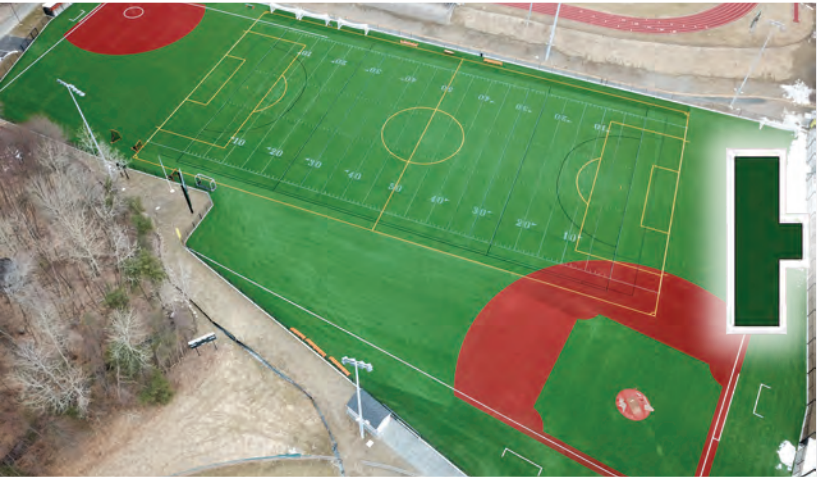


**GLASTONBURY HIGH SCHOOL**  
Glastonbury, CT



**NORWALK HIGH SCHOOL**  
Norwalk, CT

# MASSACHUSETTS CO-OP PROJECTS



## HOPKINTON HIGH SCHOOL

HOPKINTON, MA



## LINCOLN SUDBURY HIGH SCHOOL

SUDBURY, MA



## OAKMONT REGIONAL HIGH SCHOOL

OAKMONT, MA



# MASSACHUSETTS CO-OP PROJECTS



## WESTERN NEW ENGLAND UNIVERSITY

SPRINGFIELD, MA



## WALPOLE HIGH SCHOOL

WALPOLE, MA



## WHITTIER REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL

HAVERHILL, MA



# CASE STUDY



## New England Patriots – Gillette Stadium



**Project Name:** Gillette Stadium

**Installation Date:** 2017

**Product:** FieldTurf Vertex Core 2.5"

**Size:** 93,200 SQ FT.

**Location:** Foxborough, MA

**Consultant:** Jon Bengtson

jonb@gillettstadium.com

# 508-549-0225

### Project Details

Removal and disposal, base regrade and supply and installation of new synthetic turf system with logo, sports markings and end zone letters.

# CASE STUDY



## Yale University



**Project Name:** Yale University Bowl Football Field

**Installation Date:** 2017 to 2019

**Product:** FieldTurf Classic 2"

**Size:** 39,351 SQ.FT

**Location:** New Haven, CT

**Consultant:** Darosa Sports Construction Inc.

# 850-644-1079

**Project Value at Award:** \$472,094.00

### Project Details

Supply and installation of new synthetic turf system on the Football, Baseball and Softball Fields. Center Logo and Endzones also installed by FieldTurf.



## Harvard University



**HARVARD**  
UNIVERSITY

**Project Name:** Harvard University

**Installation Date:** 2015

**Product:** FieldTurf Vertex Prime 2" (FTVTP50)

**Size:** 111,279 SQ. FT

**Location:** Boston, MA

**Consultant:** R.A.D Sports

**Project Value at Award:** \$502,010.85

### Project Details

Supply and installation of new synthetic turf system with Football markings and Center logo.





## Dartmouth College – Baseball Field

**Project Name:** Dartmouth College  
**Installation Date:** 2016  
**Product:** FieldTurf Vertex 2.25" (FTVT-57)  
**Size:** 86,534 SQ. FT.  
**Location:** Hanover, NH  
**Consultant:** *Clark Companies*  
**Project Value at Award:** \$ 442,791.00



### Project Details

Supply and installation of new synthetic turf system with logo and Football markings.



## Northeastern University



**Project Name:** Northeastern University

**Installation Date:** 2018

**Product:** FieldTurf Vertex 2" (FTVT50-XM7)

**Size:** 158,153 SQ. FT. Total Both Fields

**Location:** Boston, MA

**Consultant:** Bond Brothers

**Project Value at Award:** Total Both Fields \$980,082.00

### Project Details

Supply and installation of new synthetic turf system with logo, sports markings and logos.

## MEET YOUR TEAM

### ► Jeffrey Keniston

Installation Superintendent

Tel: 207-939-0352

Email: [Jeffrey.keniston@fieldturf.com](mailto:Jeffrey.keniston@fieldturf.com)

Education: Southern Maine Community College - Horticulture



### EXPERIENCE

#### 2009 - Present:

Installation Superintendent  
FieldTurf

### SKILLS

- Construction, project management
- Powerhouse communicator
- Timeline, risk and budget management
- OSHA Safety regulations
- Infrastructure improvement
- Strategic construction planning

### CERTIFICATIONS

Massachusetts Hoisting License

### FEATURED INSTALLATIONS

- Gillette Stadium
- Yale University
- University of Rhode Island
- Harvard University
- Bowling Green State University
- Shepherd University
- Bowie State University
- Stevenson University
- George Washington University
- East Lyme High School

PROJECTS  
PER YEAR

**15**

LARGEST PROJECT

**7 FIELDS**





A Tarkett Sports Company

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# INSTALLER CERTIFICATION

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City of Portsmouth

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▲  
IS AN APPROVED AND AUTHORIZED INSTALLER OF FIELDTURF PRODUCTS.  
THEY'RE CERTIFIED BY FIELDTURF TO INSTALL  
THE SYNTHETIC TURF FIELD(S) AT

▲  
East Coast Installation (ECI)

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A handwritten signature in blue ink, appearing to read "D. J. ...", written over a horizontal line.

▲

SIGNED

# FieldTurf Patent Declaration



City of Portsmouth  
Portsmouth, NH

FieldTurf USA, Inc.  
7445 Côte-de-Liesse Road  
Suite 200  
Montreal, Quebec H4T 1G2  
P: 800-724-2969  
F: 514-340-9374

REF. 1119 Portsmouth Multi-Purpose Recreation Fields

9/29/2020

SUBJECT Patent Declaration

To Whom It May Concern:

This letter serves to confirm that FieldTurf's artificial in-filled grass products do not violate any competitor's patents currently in force or pending.

FieldTurf currently holds the following patents in the United States of America:

- Patent #6,551,689 Resilient Granular Top Surface Layer;
- Patent #5,958,527 Process Of Laying Synthetic Grass;
- Patent #6,338,885 Synthetic Turf; and
- Patent #6.723, 412 B2 Dimensional relationship patent associated with pile height, gauge & depth of infill.

For further information or any other product questions please contact our marketing department at [info@fieldturf.com](mailto:info@fieldturf.com) or 1-800-724-2969.

Best Regards,

FieldTurf USA, Inc.

Darren Gill  
Senior Vice-President



### **Manufacturer's Limited Warranty**

FieldTurf warrants that if **FieldTurf (product code)** (Product) for multi-sport use synthetic turf proves to be defective in material or installation workmanship, therefore, resulting in premature wear, during normal and ordinary use of the Product for the sporting activities provided herein or for any other uses for which FieldTurf has provided its written authorization, within **eight (8) years** from the date of completion of installation as indicated in this Warranty, FieldTurf shall either repair or replace the affected area of the Product in accordance with the terms of this Warranty. FieldTurf's sole liability under this Warranty shall be limited to either repair or replacement of the affected area of the Product, at its sole discretion, and FieldTurf shall have no other obligations or liabilities with respect to defects of the Product. FieldTurf will, at FieldTurf's option, either repair or replace the affected area to the extent required to meet the Warranty period, but no cash refunds will be made. This Warranty shall commence upon the date of completion indicated in this Warranty. The accompanying Warranty service will not come into effect unless and until FieldTurf's Certificate of Completion is sent for validation to the corporate office of FieldTurf indicated herein within thirty (30) days of the date of completion or Purchaser's first use, whichever occurs first. In all cases, the Warranty shall be deemed to commence upon the date of completion indicated in this Warranty. The acceptance form of the terms and conditions contained in FieldTurf's Maintenance Guidelines must also be provided to FieldTurf's corporate office within thirty (30) days of completion of installation. This Warranty is limited to the remedies of repair or replacement, which shall constitute the exclusive remedies available under this Warranty; all other remedies or recourses which might otherwise be available are hereby waived by the Purchaser. FieldTurf will have no other obligations or liability for damages arising out of or in connection with the use or performance of the Product, including, but without limitation, damages for personal injury and/or economic losses. This Warranty shall not come into effect, and FieldTurf shall have no obligations under this Warranty, unless and until FieldTurf is paid in full for the Product to be warranted hereunder.

**Field Markings:** Soccer

### **Other Exclusions**

**EXCEPT AS EXPRESSLY SET FORTH IN THE MANUFACTURER'S LIMITED WARRANTY ABOVE, FIELDTURF DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, IN FACT OR IN LAW, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

**THIS WARRANTY SHALL BECOME NULL AND VOID IF THE PURCHASER FAILS TO MAINTAIN THE FIELD IN ACCORDANCE WITH THE FIELDTURF MAINTENANCE GUIDELINES AND SCHEDULE PROVIDED BY FIELDTURF THEREIN. ALL MAINTENANCE SHALL BE PERFORMED BY FIELDTURF-TRAINED AND/OR FIELDTURF-AUTHORIZED MAINTENANCE PERSONNEL ONLY.**

Furthermore, this Manufacturer's Limited Warranty **does not cover:**

1. Any damage resulting, directly or indirectly, from *force majeure*, accident, misuse, intentional and unintentional abuse, infill displacement, neglect; or from usage, unintentional or otherwise, that cannot reasonably be considered as normal play or ordinary use of the Product. For purposes of this Warranty, normal play and ordinary use shall mean usage up to 3,000 hours per year of regular play and utilization for the sporting activities provided herein; normal play and ordinary use also includes a reasonable number of users or participants, but does not include repetitive marching, repetitive training or high-intensity drills on the same part of the field, especially in the areas including, but not limited to, home plate, pitcher's mound, base areas, base paths, soccer penalty mark/spot areas, goal areas, sideline areas and lacrosse crease areas, all of which require frequent maintenance in accordance with FieldTurf Maintenance Guidelines and which may require regular replacement. This Warranty is expressly conditioned upon the Customer completing and submitting the FieldTurf Maintenance Log provided in FieldTurf's Maintenance Guidelines.





**Manufacturer's Limited Warranty**

2. Damage resulting from failure to maintain the Product in accordance with FieldTurf's Maintenance Guidelines provided to the Purchaser. The Purchaser shall keep a log of all maintenance performed on the Product and supply FieldTurf with a copy upon request.
3. Damage resulting from repair, attempted repair and/or maintenance by anyone other than FieldTurf, an authorized FieldTurf distributor or an authorized FieldTurf maintainer.
4. Damage due to causes which include, but are not limited to, the application of chemicals and/or cleaning agents, adhesive backing, dirt, traffic, negligence, vandalism, fire, flood, windstorm, animals, improper care and Acts of God.
5. Failure and/or improper design of the base; depression of the soil, subsurface or other matter upon which the base or Product rests; and any and all resulting damage to the Product arising therefrom.
6. FieldTurf does not warrant the percolation rate, long term planarity and/or compaction of the base which the product is installed. **FIELDTURF DISCLAIMS ALL WARRANTIES AS TO THE BASE, EXPRESS OR IMPLIED, AND ANY AND ALL RESULTING DAMAGE TO THE PRODUCT ARISING THEREFROM.**
7. Damage resulting from the use of improper footwear such as long-spiked track shoes, regular and repeated use of steel cleats, and flat-soled shoes. Standard molded soccer or football cleats are recommended.

All synthetic turf is subject to normal wear and tear, which does not constitute a manufacturing defect and is not covered by this Warranty. In addition to the other factors listed in this Warranty and without limitation, the extent of the wear and tear depends on the construction of synthetic turf (fiber face weight, stitch rate, fiber pile height and gauge, infill components and maintenance of the field) and the intensity of use of the synthetic turf. The Product will be stable to light fading with the maximum fading of the Product during the Warranty period not to exceed fifteen percent (15%) of color loss annually based upon an acceptable grey scale. This Warranty does not cover slight variations or gradations of color within the Product and/or face distortion. Normal behavior of the fiber and infill with respect to the wear pattern of a field is more fully explained in the "Field Settling" document, provided in the FieldTurf After-Sales Service Package.

FieldTurf disclaims all 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. In the event that the Product be used for purposes other than the sporting activities provided herein or for any other uses for which FieldTurf has provided its written authorization, FieldTurf shall not be responsible for damages resulting therefrom and, therefore, this Warranty, as well as any and all applicable legal warranties, shall become **null and void** as Purchaser understands that FieldTurf has tested the Product for use in connection with the said sporting activities and/or uses, and that it may not have tested the Product for other such uses. Any Product repairs or replacements performed under the terms of this Warranty shall not extend the term of this Warranty.

Name of Purchaser:  
Date of Completion:  
Location:  
Address:  
State:  
Tel:  
Signature:  
Date:

Sporting Activities: Multi-Sport Use  
Installed by: FieldTurf USA, Inc.  
City:  
Zip:  
Fax/email:  
Name : |  
Reference:

*Disclaimer. The information in this document is subject to change without notice and should not be construed as a commitment by FieldTurf USA, Inc. FieldTurf assumes no responsibility for any errors that may appear in this document.*

**This warranty is insured by a third party.**

For more information please contact Customer Service at FieldTurf at the number listed below.  
7445 Côte-de-Liesse Road Suite 200, Montreal, QC, Canada H4T 1G2 • Toll Free: 1-800-724-2969 •



# Product Lifespan



City of Portsmouth  
Portsmouth, NH

FieldTurf USA, Inc.  
7445 Côte-de-Liesse Road  
Suite 200  
Montreal, Quebec H4T 1G2  
P: 800-724-2969  
F: 514-340-9374

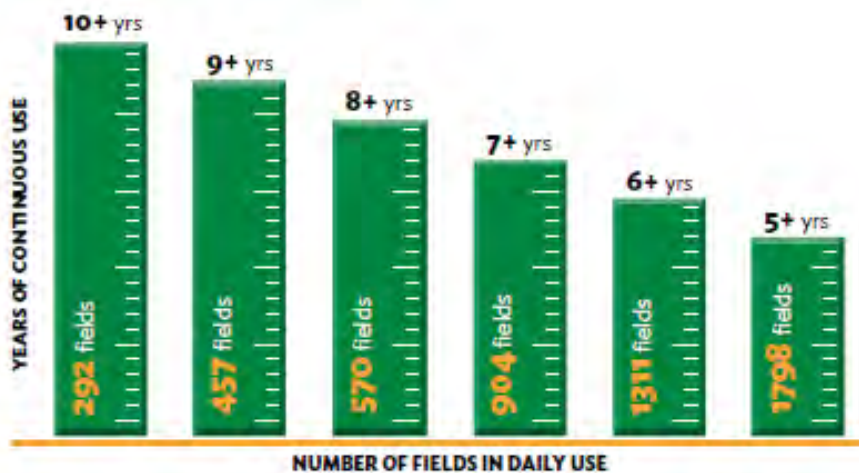
REF. 1119 Portsmouth Multi-Purpose Recreation Fields

9/29/2020

## Longevity - for a better investment

Since its inception, FieldTurf has proven to be the most durable and longest-lasting synthetic turf system in the marketplace, having installed more fields that are currently 8 years or older than all other competitor installations combined.

The FieldTurf system is not just marketing spin. It has been carefully engineered by athletes for athletes, to not only perform at the highest levels, but to do so for longer than any other turf product.





# Lead Certification



City of Portsmouth  
Portsmouth, NH

FieldTurf USA, Inc.  
7445 Côte-de-Liesse Road  
Suite 200  
Montreal, Quebec H4T 1G2  
P: 800-724-2969  
F: 514-340-9374

REF. *1119 Portsmouth Multi-Purpose Recreation Fields*

*9/29/2020*

SUBJECT Lead Certification

To Whom It May Concern:

This letter serves to confirm that both FieldTurf's artificial grass products and infill material contain less than 50 ppm of lead.

For further information or any other product questions please contact our marketing department at [info@fieldturf.com](mailto:info@fieldturf.com) or 1-800-724-2969.

Best Regards,

FieldTurf USA, Inc.



*Darren Gill*  
Senior Vice-President