



Dardy and husband Sean aerating the West Tisbury School fields



Martha's Vineyard
Skatepark

Martha's Vine

Martha's Vineyard
Regional High School

Vineyard
Baseball Park



CURRENT ZONE

Big field

Zone Type: Field Approach Marker: Not Set

Area: 34.19 ft² Boundary Length: 24.92 ft

VISUAL INSIGHT

POGO

Spec

May 16, 2019 Set 1

May 16th 2019, 11:07 am Dataset 1

52 Samples

Click the boxes below for Visual Insight



Moisture - Optimal

27.7 %

39 ↑

17 ↓

Distribution Uniformity

77

Turf Performance

↑94

20.00



22.00



Critical Low

Low

29.00



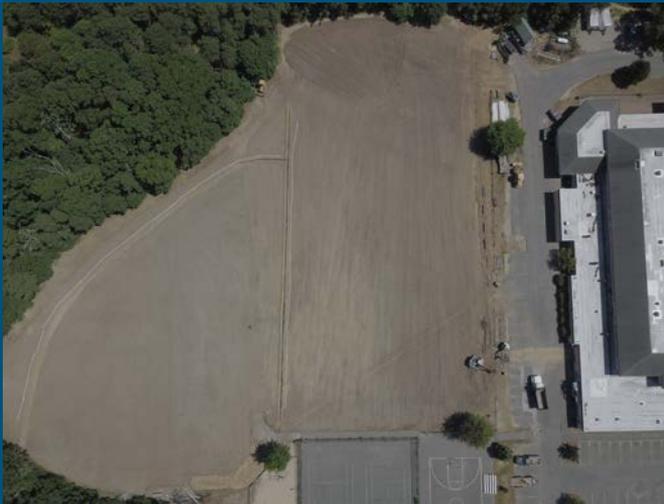
32.00



High

Critical High

















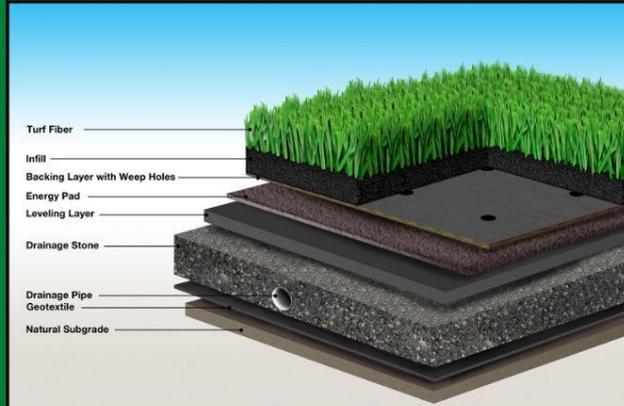


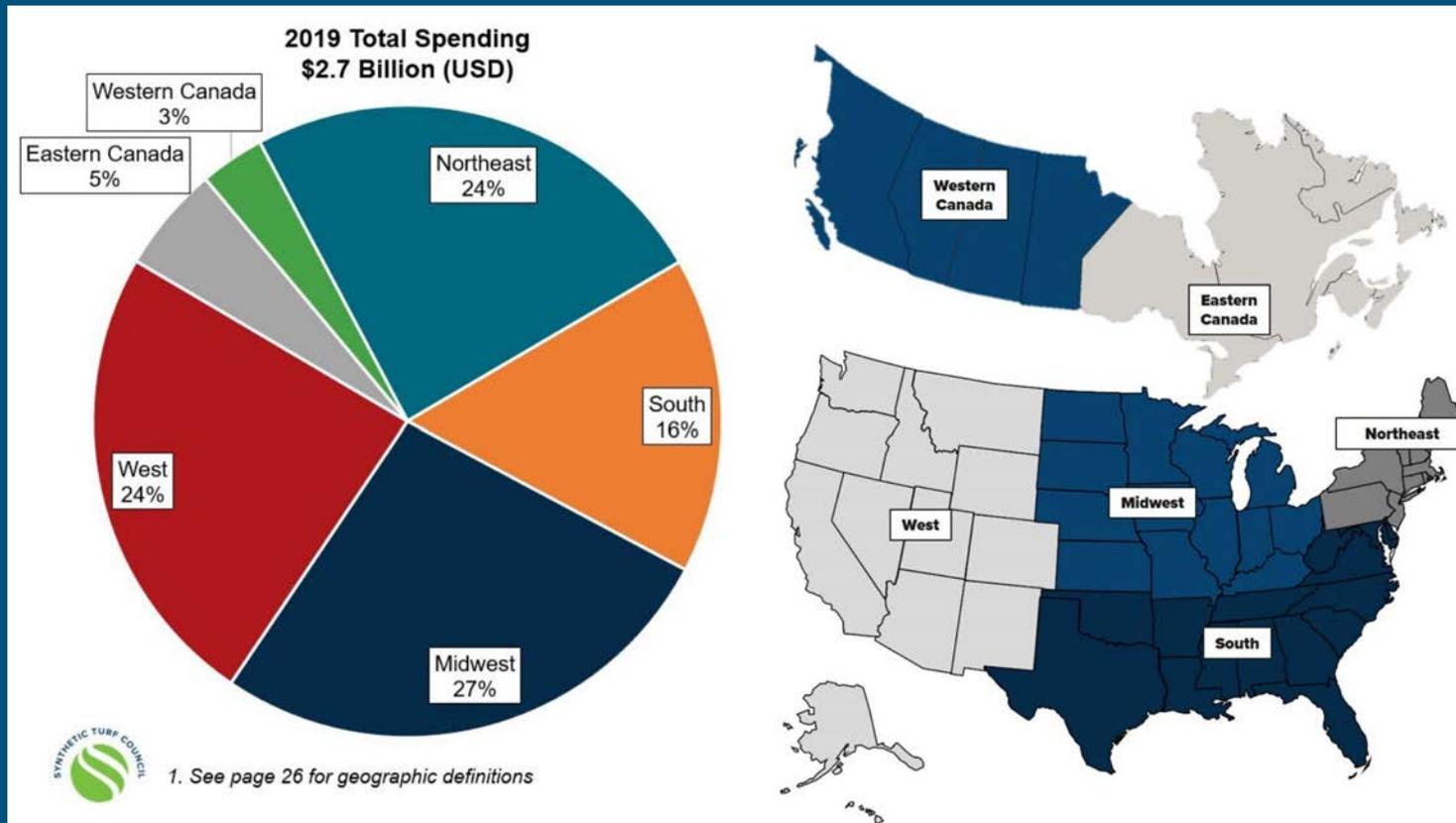


NATURAL GRASS SYSTEM

VS

SYNTHETIC SYSTEM





On October 21, 2020, Globe Newswire reported that **the turf industry expects earnings to top 4.2 billion by 2027**. Image from the Synthetic Turf Council's 2020 report announcement.

Industry playbook for bringing a plastic field to a community

- ✓ Emphasize neglected grass field issues without problem-solving
- ✓ Inflate field usage
- ✓ Downplay grass field resilience + inflate plastic field capability
- ✓ Inflate grass field costs + downplay plastic fields costs
- ✓ Inflate use of nitrogen, herbicide, pesticide, and irrigation for grass
- ✓ Hire industry consultants who cast doubt on the science
- ✓ Offset installation costs so first field becomes “free”

GRASS VS. PLASTIC

Which would you prefer?

NO PLASTIC
POLLUTION

/ 2 MILLION
PLASTIC
BOTTLES PER
FIELD

SEQUESTERS
CARBON

/ EMITS CARBON

TOXIC FREE

/ MADE WITH
PETROLEUM &
CHEMICALS

DOES NOT
NEED TO BE
REPLACED

/ NEEDS TO BE
REPLACED

PREFERRED
SURFACE FOR
ATHLETES

/ HIGHER
INJURY RISK
FOR ATHLETES

Will the probable benefit from the proposed development exceed the probable detriment as evaluated pursuant to section fifteen?

General concerns

- Master planning
- Incremental development
- Funding
- Long term costs
- Potential lawsuits
- Traffic
- Light pollution
- 4.26 acres of additional impervious surfaces

“...Based upon the foregoing, knowingly installing a product that is intended for long term, regular use by minors, that sits atop a Zone II Wellhead Protection Area, and is likely to contain PFAS would be beyond irresponsible.”

*James L. Ferraro, Jr. Esq.
Letter to the MVC*

(a) development at the proposed location is or is not essential or especially appropriate in view of the available alternatives on the island of Martha's Vineyard

Usage numbers *not* accurate

“As a top level soccer player, college coach and college level referee I have experienced natural grass and artificial turf in various conditions for more than fifty years. For more than ten years I was a full time referee, and in that capacity I officiated on college fields in every state in New England and virtually all the high school and town fields in the greater Boston area... **the figures the administration submitted misrepresent the actual amount of usage...**”

–Richard Bennett, March 4, 2020

“I maintain that the data the school has submitted for this project is significantly inflated, and suggests a concerted effort on the their part to over emphasize the need for an artificial surface while diminishing or ignoring the potential for a natural grass alternative.”

–Richard Bennett, January 14, 2021

Soil Report

Job Name: **The Field Fund Inc**
 Company: **Soil First Consulting**

Date: 4/25/2019
 Submitted By: **Jack Higgins**

Sample Location		West Tis			
Sample ID		Town			
Lab Number		257			
Sample Depth in inches		6			
Total Exchange Capacity (M.E.)		4.62			
pH of Soil Sample		6.7			
Organic Matter, Percent		5.16			
ANIONS	SULFUR:	p.p.m.	13		
	Mehlich III Phosphorous:	as (P ₂ O ₅) lbs / acre	71		
EXCHANGEABLE CATIONS	CALCIUM:	Desired Value lbs / acre	1257 1208 -49		
	MAGNESIUM:	Desired Value lbs / acre	200 230		
	POTASSIUM:	Desired Value lbs / acre	200 128 -72		
	SODIUM:	lbs / acre	24		
BASE SATURATION %	Calcium (60 to 70%)		65.32		
	Magnesium (10 to 20%)		20.73		
	Potassium (2 to 5%)		3.55		
	Sodium (.5 to 3%)		1.14		
	Other Bases (Variable)		4.70		
TRACE ELEMENTS	Exchangable Hydrogen (10 to 15%)		4.50		
	Boron (p.p.m.)		0.23		
	Iron (p.p.m.)		137		
	Manganese (p.p.m.)		2		
	Copper (p.p.m.)		0.39		
	Zinc (p.p.m.)		2.44		
OTHER	Aluminum (p.p.m.)		809		



A Spring soil sample headed to the lab.

Concerned Local Organizations

Vineyard Conservation Society

Island Grown Initiative

ACE MV

MA Audubon Felix Neck

MV Shellfish Group

Plastic Free MV

WT Conservation Commission

Chilmark Energy Committee

WT Congregational Church Council

Fire Emergency Coalition

Tisbury Waterways

We Stand Together/Estamos Todos Juntos

MV Environmental Educators Alliance

Mill Brook Watershed

WT Energy Committee

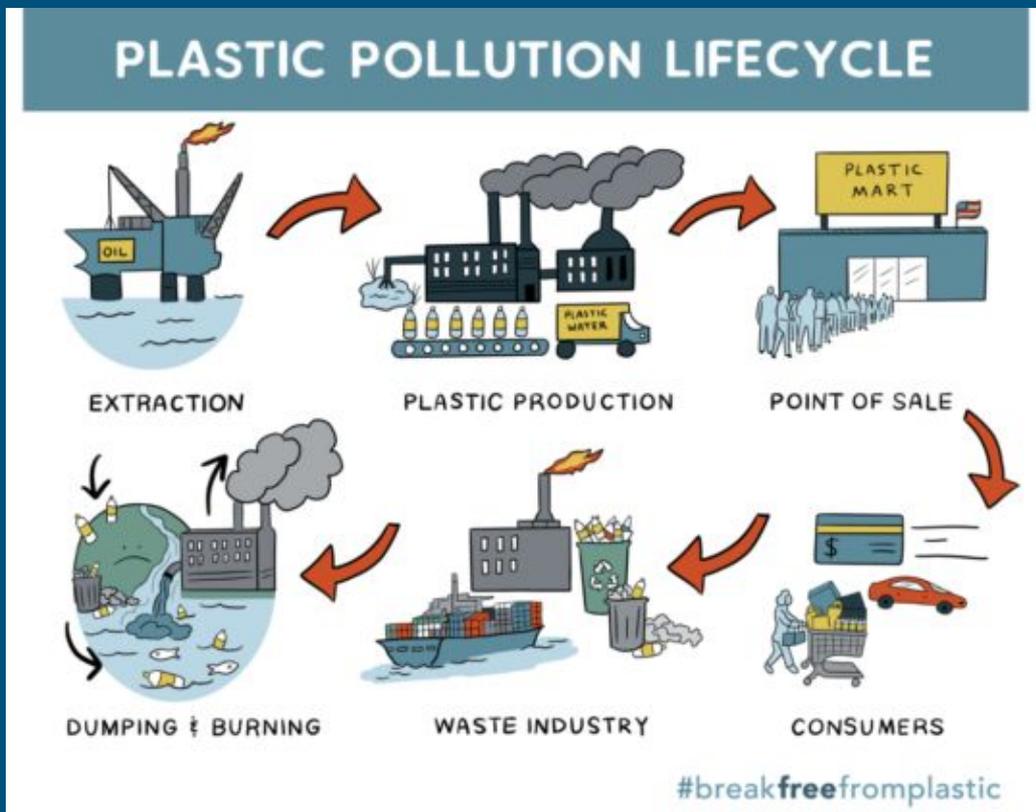
Grass and its mycorrhizal fungi are powerful carbon sinks...just ask Yale University:

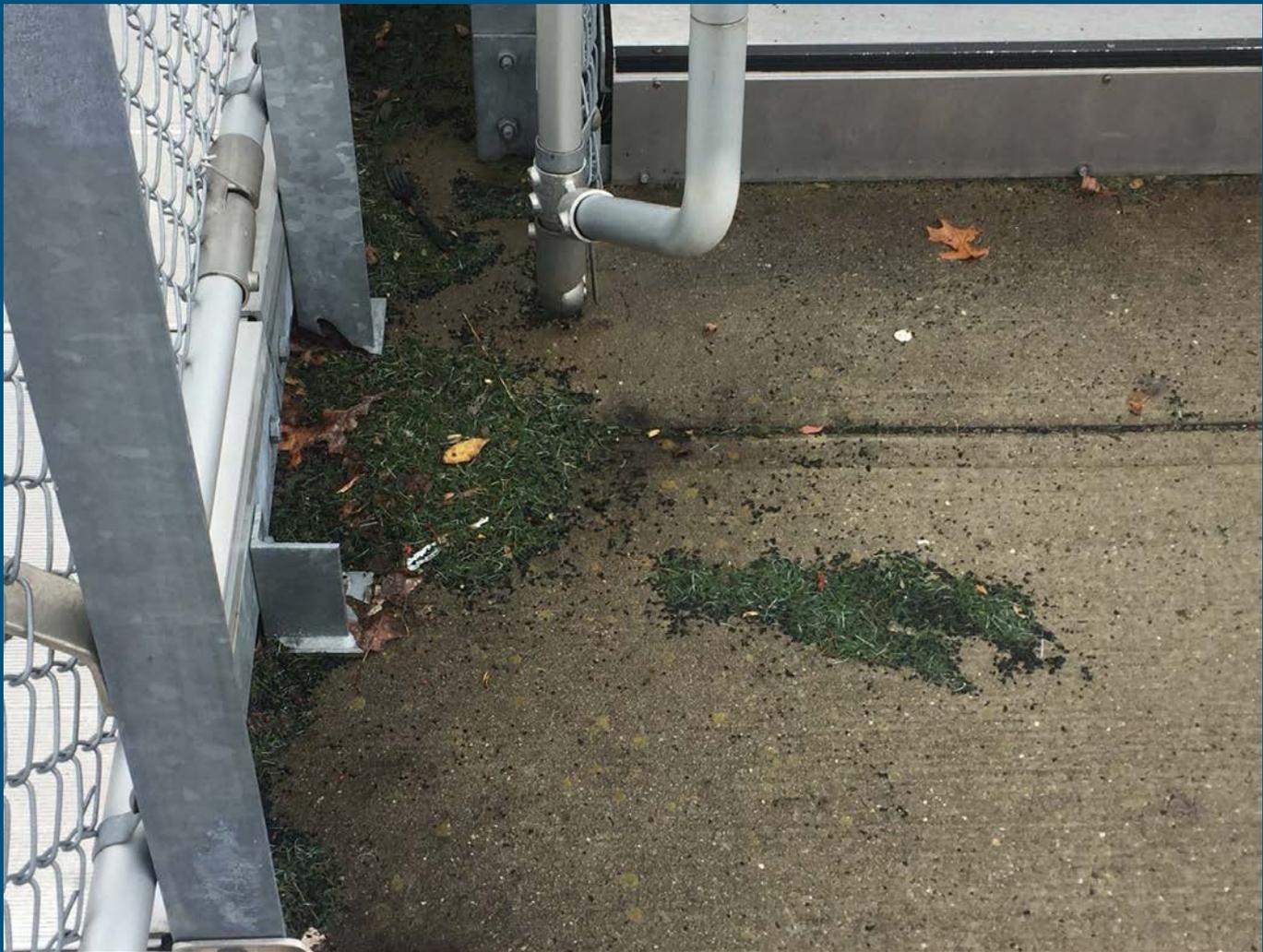
“In research published in Nature in January, scientists from the University of Texas at Austin, the Smithsonian Tropical Research Institute, and Boston University assessed the carbon and nitrogen cycles under different mycorrhizal regimens and found that plants linked with fruiting, or mushroom-type, fungi stored 70 percent more carbon per unit of nitrogen in soil.”

–Yale Environment 360, Yale University

(b) development in the manner proposed will have a more favorable or adverse impact on the environment in comparison to alternative manners of development;

Plastic Fields Contribute to Climate Change in **Every** Phase of Their Life Cycle

















Popular

Latest

The Atlantic

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SCIENCE

The Dangerous Pileup of Artificial Turf

Recycling scrap tires into synthetic turf was supposed to be an environmental win.

MARJIE LUNDSTROM, ELI WOLFE, AND FAIRWARNING DECEMBER 19, 2019



RECOMMENDED READING

A Major but Little-Known Supporter of Climate Denial: Freight Railroads

ROBINSON MEYER



5 Big Trends That Increased Earth's Carbon Pollution

ROBINSON MEYER



How Roadkill Became an Environmental Disaster



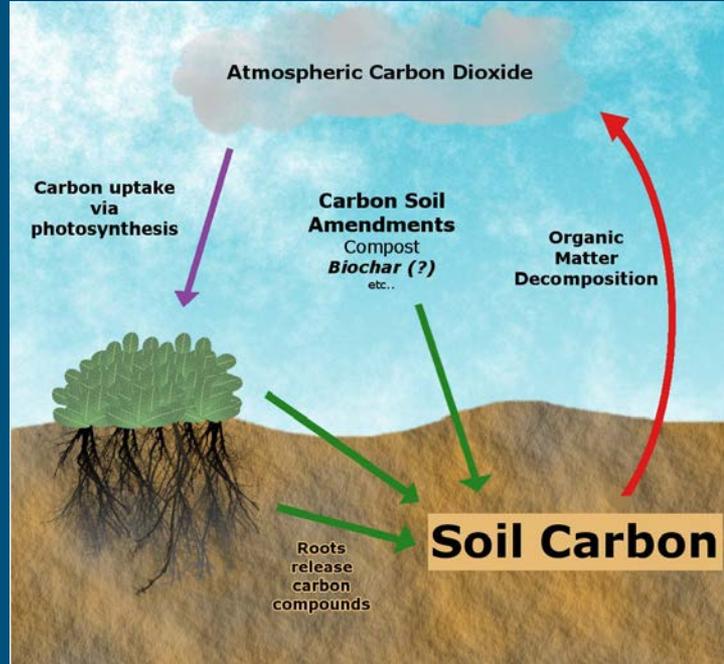








A simple look at how carbon sequestration works:



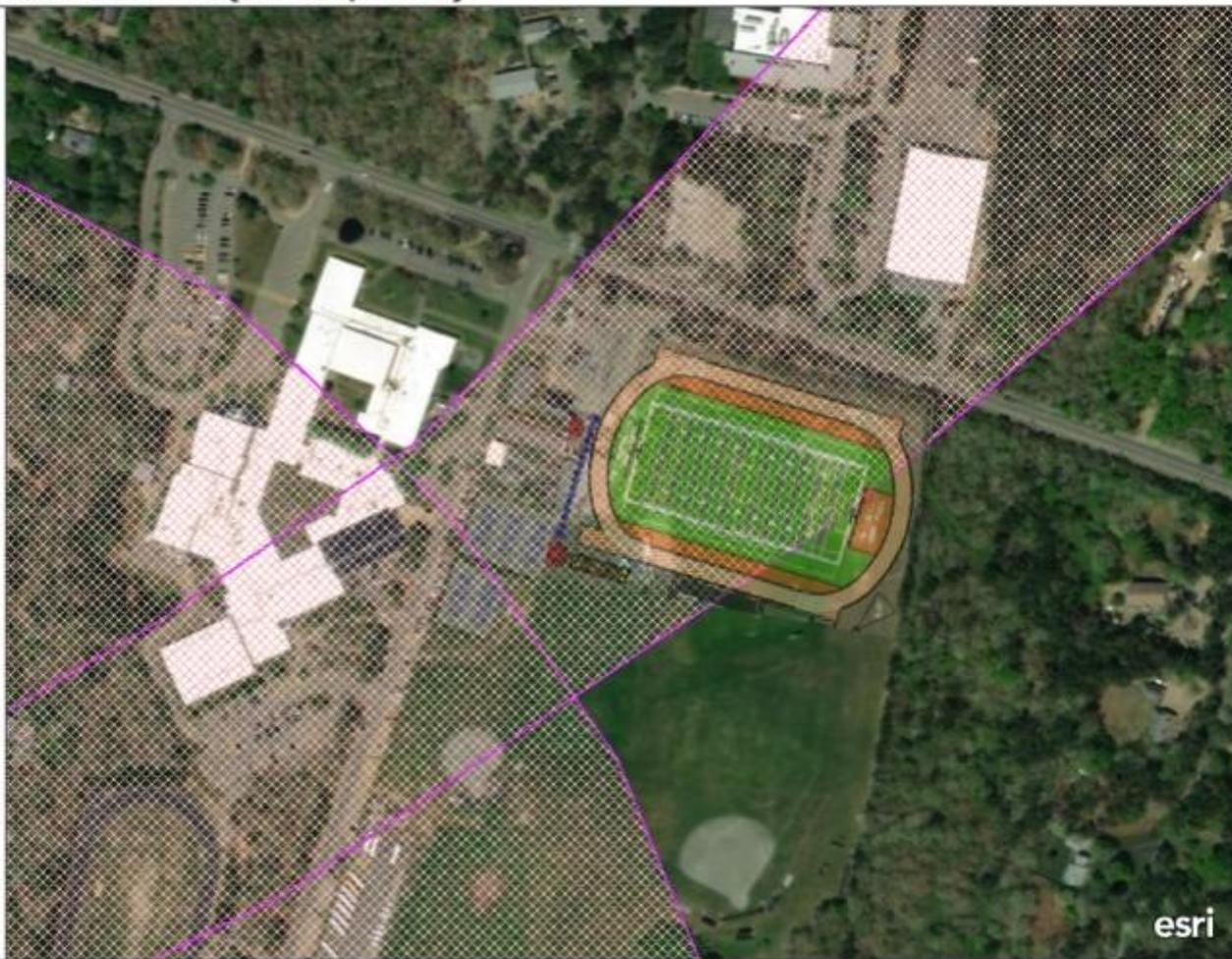
Grass fields naturally sequester excess carbon

c) the proposed development will favorably or adversely affect other persons and property, and if so, whether, because of circumstances peculiar to the location, the effect is likely to be greater than is ordinarily associated with the development of the types proposed

MassDEP Wellhead Protection Areas (Zone II, IWPA)

MassDEP Wellhead
Protection Areas (Zone
II, IWPA)

Approved Wellhead
Protection Areas (Zone II)



Toxic chemicals are found in blades of artificial turf

By [David Abel](#) Globe Staff, October 9, 2019, 8:32 p.m.





Illustration: Soohye Cho/The Intercept



DONATE



9

TOXIC PFAS CHEMICALS FOUND IN ARTIFICIAL TURF

The presence of the PFAS chemicals in turf adds to growing concerns about the grass replacement that covers more than 1,000 acres around the country.



Sharon Lerner

October 8 2019, 9:00 a.m.

“PFAS chemicals have been identified in synthetic turf, according to lab tests performed on several samples of the artificial grass that were shared with The Intercept. The presence of the chemicals, members of a class that has been associated with multiple health problems, including cancer, adds to growing concerns about the grass replacement that covers many thousands of acres in parks, schools, professional sports stadiums, and practice fields around the U.S.”

–Sharon Lerner, The Intercept

Chemical disclosure is **not** required

- Plastic fields are **not regulated by any federal agency** as children products
- The plastic field industry is not required to disclose all ingredients in product **labels, brochures, material data safety sheets**
- The following organizations have all admitted that plastic fields cannot be described as safe:
 - Environmental Protection Agency
 - Consumer Product Safety Commission
 - UMass Lowell's Toxics Use Reduction Institute
 - Mount Sinai's Children's Environmental Health Center
 - Environmental and Human Health, Inc.

Time Out Called On Synthetic Turf

by ALLAN APPEL | Jan 4, 2019 12:40 pm

Commenting has been closed | E-mail the Author

Posted to: Environment, Hamden, Higher Ed, Sports, True Vote



Running on cork: Quinnipiac's women's soccer team.

QU

A bid for a rubber college athletic field ran into interference in Hamden two weeks after a similar bid scored a goal of approval in New Haven.

The Hamden bid was pitched Wednesday night at the monthly meeting of the Hamden Inland Wetlands Commission.

Quinnipiac University made a pitch to replace the cork infill in its already synthetic playing field with a rubberized product called EPDM, which stands for ethylene propylene diene monomer rubber.

Sal Filardi, Quinnipiac University's vice president for facilities and capital planning, said installing the rubber product would solve an ongoing problem of the current cork fill freezing on the field.

Since the cork was installed two years ago, teams have missed at least 25 days of practice, Filardi reported. One championship game was put in jeopardy when the field did not un-freeze from a cold night by afternoon game time.

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Environment

Tire dust killing coho salmon returning to Puget Sound, new research shows

Dec. 3, 2020 at 11:00 am | Updated Dec. 3, 2020 at 3:53 pm



By [Lynda V. Mapes](#) 

Seattle Times environment reporter

First they circle. Then they gasp at the surface of the water. Soon they can't swim. Then they die.

For decades now, scientists have known something was killing beautiful, adult coho salmon as soon as they hit Seattle's urban waters, ready to spawn. They had escaped the orcas, the fishermen, traveled thousands of miles, only to be mysteriously killed as soon as they finally reached home.

Salmon have been dying mysteriously on the West Coast for years. Scientists think a chemical in tires may be responsible



By [Drew Kann](#), CNN

🕒 Updated 4:11 PM ET, Thu December 3, 2020



Coho salmon -- a species native to the US West Coast that have huge economic, cultural and ecological significance -- have been dying mysteriously for decades. Scientists now think they know why.

(CNN) — For decades, scientists say something alarming has been happening in the streams and rivers where coho salmon return from the Pacific Ocean to spawn along the West Coast.



☰ Menu



Did you know?

**Liberty Tire Recycling has
donated 500,000 pounds
of rubber to build athletic
fields in Iraq.**

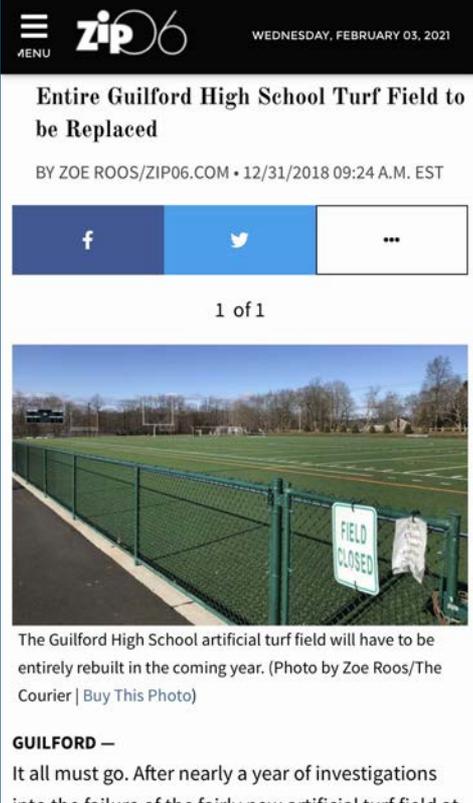


Guilford High Field Fails After **One** Year

“It all must go. After nearly a year of investigations into the failure of the fairly new artificial turf field at Guilford High School (GHS), town officials recently announced an agreement has been reached among all involved parties and **the entire field will have to be taken up and rebuilt**. The \$1.1 million artificial turf field opened for play more than a year ago, following an intense and protracted debate in town about health and safety issues associated with artificial turf...

In August, First Selectman Matt Hoey said **investigations show that extreme temperatures and drainage issues caused the issue and that the failures were spread out across multiple components of the field**.

However, in October all parties had not yet come to an agreement on a fix for the field, so the town moved to pre-litigation mediation to try to find a solution and avoid going to court.”



The screenshot shows a news article from ZIP06, dated Wednesday, February 03, 2021. The article title is "Entire Guilford High School Turf Field to be Replaced" by Zoe Roos for ZIP06.COM, published on 12/31/2018 at 09:24 A.M. EST. Below the title are social media sharing buttons for Facebook, Twitter, and a menu icon. A "1 of 1" indicator is present. The main image shows a green artificial turf field enclosed by a chain-link fence with a "FIELD CLOSED" sign. The caption reads: "The Guilford High School artificial turf field will have to be entirely rebuilt in the coming year. (Photo by Zoe Roos/The Courier | Buy This Photo)". At the bottom, the article begins with the text: "GUILFORD — It all must go. After nearly a year of investigations into the failure of the fairly new artificial turf field at".



RAD Sports

June 25, 2020 · 🌐



Getting the field ready by disinfecting and cleaning for the players to enjoy! Call us to schedule your appointment! [Hingham High School](#) [Hingham Harbormen Football](#) [RAD Sports](#)

www.radsports.com



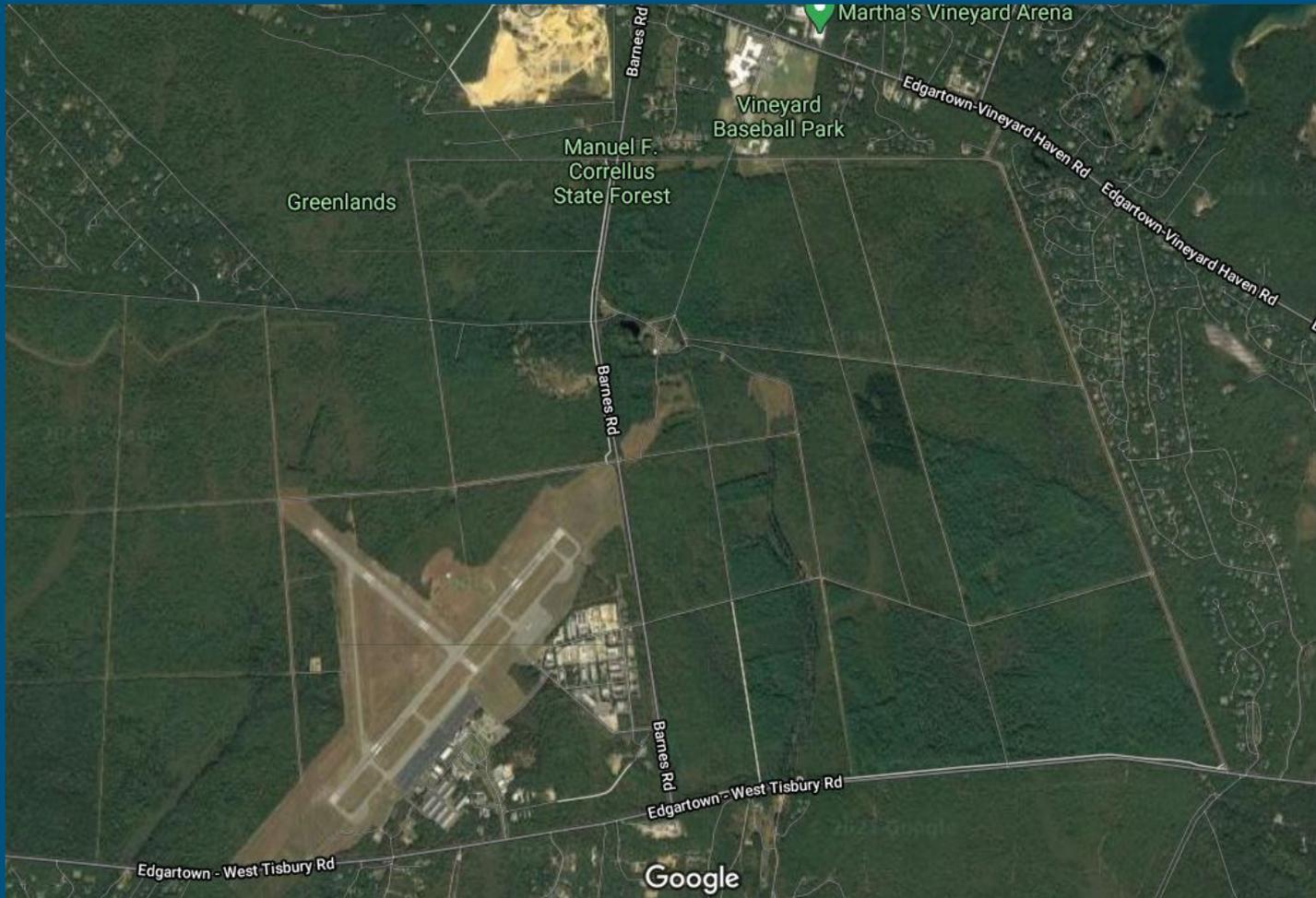
👍 14

1 Comment

June 12, 2020 Email from Tencate Regarding Disinfection:

“In regards to field disinfecting procedures, Tencate Grass/Greenfields USA recommends the use of an *in-situ* application of mPact mPerial disinfectant. The chemical can be sprayed across our surfaces using any approved vehicle (read: Gator or UTV featuring low ground pressure “turf” tires). I personally recommend the use of a Laymor which can apply the disinfectant while performing a professional level grooming to a field. However, this is a technique which **must be performed by a professional turf installer** and the Laymor can cause damage if used by improperly trained personnel.”

-Colin Veditz, Installations Quality Control
Manager/Project Manager, Tencate Grass America



Martha's Vineyard Arena

Vineyard
Baseball Park

Manuel F.
Correllus
State Forest

Greenlands

Barnes Rd

Edgartown-Vineyard Haven Rd

Edgartown-Vineyard Haven Rd

Barnes rd

Barnes rd

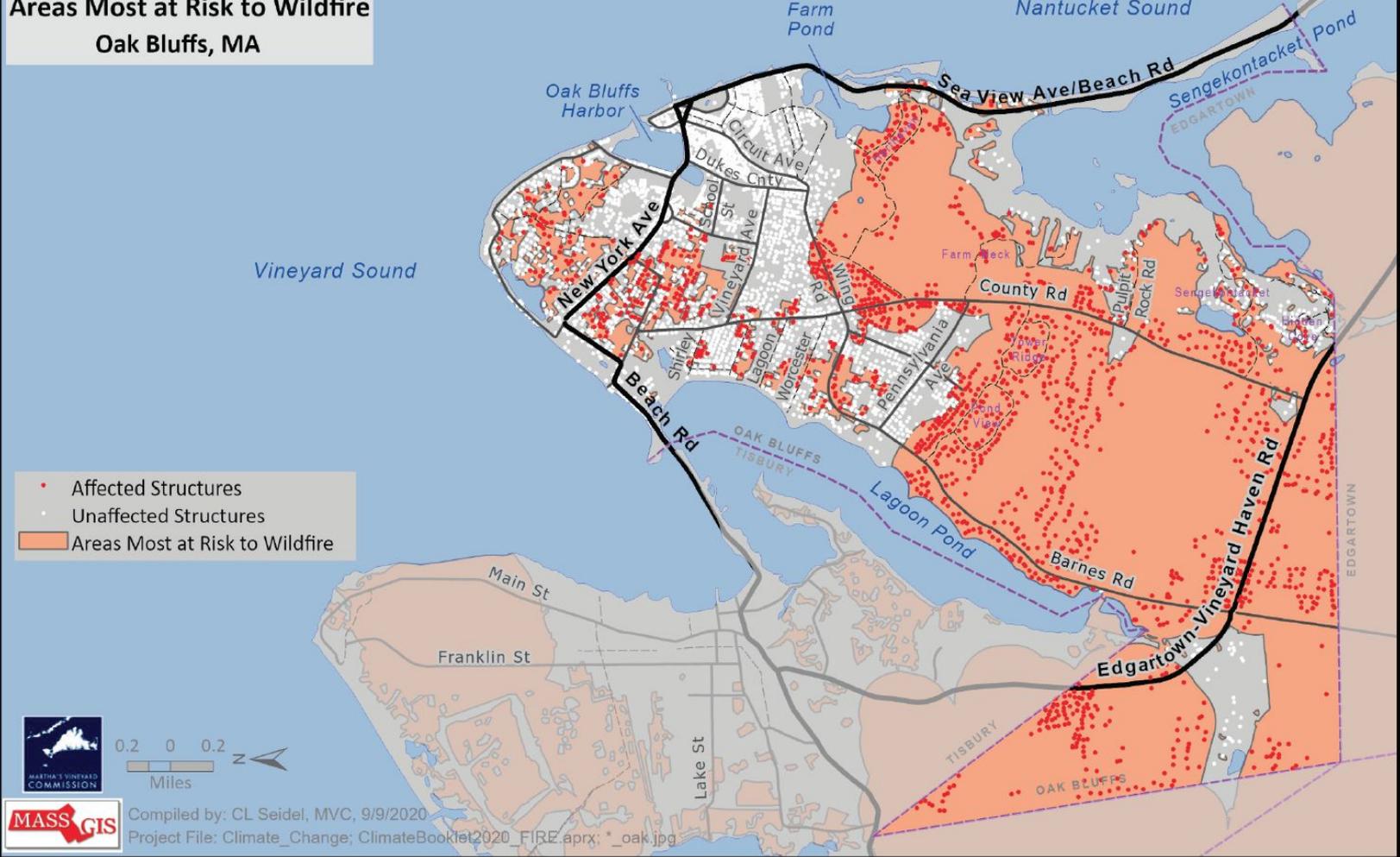
Edgartown - West Tisbury Rd

Edgartown - West Tisbury Rd

Google

Areas Most at Risk to Wildfire

Oak Bluffs, MA



- Affected Structures
- Unaffected Structures
- Areas Most at Risk to Wildfire



Compiled by: CL Seidel, MVC, 9/9/2020
Project File: Climate_Change; ClimateBooklet2020_FIRE.aprx; *_oak.jpg

Artificial Turf Fire Sending Off Dark Smoke Near Highway 99

June 6, 2018 at 3:57 pm Filed Under: Highway 99, Sutter County



SUTTER COUNTY (CBS13) — Homes are no longer being threatened by a grass fire in Sutter County, but a different kind of grass fire is responsible for dark smoke clouds.

The fire is burning east of Highway 99 at Sankey Road.

The fire has been contained to one lot in the area, but piles of artificial turf nearby have caught fire and are sending smoke into the air.

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Knocked-down power lines ignite turf in Woodland

44
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Updated: 8:06 PM PDT Sep 23, 2019

 **KCRA Staff**



WOODLAND, Calif. — Knocked-down power lines sparked a fire in artificial turf and spread to a nearby field, the Woodland Fire Department said.



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FIELDTURF LAUNCHES FIRE-RETARDANT INFILL AND FIBER SYNTHETIC TURF COMPONENTS

Fire-Retardant fibers and Patent-Pending FieldTurf FlameGuard infill pellets allow clients to pass stringent ASTM E648 Class I industry fire tests in an environmentally-friendly way - without sacrificing performance

FieldTurf has recently launched two new and innovative fire-retardant artificial turf product technologies – FieldTurf FlameGuard infill pellets and FieldTurf FR fibers – both of which are geared towards filling a need in the synthetic turf industry, and in particular, for indoor applications.

FieldTurf's FlameGuard infill pellets are patent-pending infill solutions installed as a very small top dressing layer to any FieldTurf system in order to achieve a Class 1 rating in the ASTM E648-08/NFPA 253/FTM Standard 372 test for fire-retardant turf systems. Of note, FieldTurf's FlameGuard Green infill pellets are produced with recycled turf materials – making this the ultimate environmental solution without sacrificing performance in any way.

FieldTurf has also produced FieldTurf FR, an exciting new flame-retardant artificial grass fiber. Not just an improvement to existing technologies, it is in a whole new class of its own. This fire-retardant fiber is built with a special formula - and no heavy metals. Yet it is still designed to be the very highest performing fiber in the marketplace today.

“It is with great pride that we introduce these two cutting edge fire-retardant solutions to the synthetic turf industry,” said FieldTurf President Eric Dalieri. “Our clients can rest assured that we are focused on developing the very best solutions to all of their needs. The fire-retardant infill pellets and fibers are innovative solutions to passing strict fire tests and building codes – without sacrificing playability and performance. This is just the beginning of a long-list of innovations we are developing – all geared towards providing solutions and filling the needs of our clients.”

FieldTurf's revolutionary fire retardant materials and systems have scored extremely high on stringent industry fire tests and can meet and exceed any indoor or outdoor flame test or building code – without sacrificing performance or adding unnecessary high costs for clients.

About FieldTurf

FieldTurf offers industry-leading engineering and manufacturing resources and leads the synthetic turf industry with regard to setting higher environmental standards. FieldTurf is the global market leader in terms of synthetic sports fields with more than 7000 fields installed. Additionally, FieldTurf has attained more than 15,000 satisfied customers in high quality pet, residential, commercial and municipal landscaping solutions, playground surfacing and has a complete range of golf and tennis products. FieldTurf synthetic turf customers enjoy the benefits of significantly reduced water consumption, the elimination of fertilizer and pesticides, superior durability and drainage and a product that looks and feels real.

“FieldTurf has also produced FieldTurf FR, an exciting new flame-retardant artificial grass fiber. Not just an improvement to existing technologies, it is in a whole new class of its own. The fire-retardant fiber is built with a special formula - and no heavy metals. Yet it is designed to be the very highest performing fiber in the marketplace today.”



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@sydneyleroux
I kick balls. Mom to Cassius & Roux

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Trending with #Bachelor #TheBachelor

Pop · Trending
LOVE LOVE LOVE
1.8M Tweets

Entertainment · Trending
#corpsehusbandallegations
3.1K Tweets

COVID-19 · LIVE
COVID-19: News and updates for Massachusetts

NCAA Men's Soccer... 42 minutes ago
Blue Devils at Hurricanes

OUCH!

Sydney Leroux Dwyer
@sydneyleroux

This is why soccer should be played on grass!

10:53 PM · Apr 14, 2013 · Twitter for iPhone

2K Retweets 50 Quote Tweets

2.5K Likes

Steven Diaz @ · Apr 14, 2013
Replying to @sydneyleroux @sydneyleroux ouchhh....

Reags @R... · Apr 14, 2013
Replying to @sydneyleroux @sydneyleroux ouchhhhh

Justin Shirle... · Apr 14, 2013
Replying to @sydneyleroux
"@sydneyleroux: This is why soccer should be played on grass!"
" OUCH !



pedro hernan... · Jun 9, 2015

2015 WOMEN'S WORLD CUP

Players officially file lawsuit against FIFA, CSA over artificial turf at 2015 Women's World Cup



by **Jeff Kassouf** October 1, 2014



0 Comments



A lawsuit has officially been filed by a group of women's international soccer players against FIFA and the Canadian Soccer Association regarding the use of artificial turf at the 2015 Women's World Cup. The players say that it is gender discrimination to not be playing on natural grass and that men would never have to play a World Cup on artificial turf.

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ANALYSIS / 2 hours ago

Reading between the lines of the USWNT's SheBelieves Cup roster



SOCCER

Settlement means U.S. women's national soccer team will no longer have to play matches on artificial turf

Nancy Armour USA TODAY

Published 6:53 p.m. ET Dec. 1, 2020 | Updated 6:58 p.m. ET Dec. 1, 2020



10 Photos

VIEW FULL GALLERY

U.S. women's national team all-time leading goal scorers

Here are the top all-time leading goal scorers for the U.S. women's national soccer team.

The U.S. women's national team will no longer have to play matches on artificial turf and will be guaranteed the same number of charter flights as the U.S. men's national team under a proposed settlement in their discrimination lawsuit against U.S. Soccer.



> [Am J Sports Med.](#) 2019 Jan;47(1):189-196. doi: 10.1177/0363546518808499.

Epub 2018 Nov 19.

Higher Rates of Lower Extremity Injury on Synthetic Turf Compared With Natural Turf Among National Football League Athletes: Epidemiologic Confirmation of a Biomechanical Hypothesis

Christina D Mack¹, Elliott B Hershman², Robert B Anderson³, Michael J Coughlin^{4 5}, Andrew S McNitt⁶, Rachel R Sendor¹, Richard W Kent⁷

Affiliations + expand

PMID: 30452873 DOI: [10.1177/0363546518808499](#)

Abstract

Background: Biomechanical studies have shown that synthetic turf surfaces do not release cleats as readily as natural turf, and it has been hypothesized that concomitant increased loading on the foot contributes to the incidence of lower body injuries. This study evaluates this hypothesis from an epidemiologic perspective, examining whether the lower extremity injury rate in National Football League (NFL) games is greater on contemporary synthetic turfs as compared with natural surfaces.

Hypothesis: Incidence of lower body injury is higher on synthetic turf than on natural turf among elite NFL athletes playing on modern-generation surfaces.

Only Natural Grass Can Level The NFL's Playing Field

AUTHOR

JC TRETTER

TOPICS

[PRESIDENT'S CORNER](#)

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*“The data supports the anecdotes you’ll hear from me and other players: **artificial turf is significantly harder on the body than grass.** Based on NFL injury data collected from 2012 to 2018, not only was the contact injury rate for lower extremities higher during practices and games held on artificial turf, NFL players consistently experienced a much higher rate of non-contact lower extremity injuries on turf compared to natural surfaces. Specifically, players have a 28% higher rate of non-contact lower extremity injuries when playing on artificial turf. Of those non-contact injuries, players have a 32% higher rate of non-contact knee injuries on turf and a staggering 69% higher rate of non-contact foot/ankle injuries on turf compared to grass.”*

(e) the proposed development will favorably or adversely affect the provision of municipal services and the burden on taxpayers in making provision there for;

- The Superintendent has repeatedly promised the public that the installation will be privately funded.
- Is there a financial guarantee? If so, what is it?
- Does it include both Phase I and Phase II?
- Are there conditions attached to the donation?
- Is the donation subject to contingencies?
- What is the total amount?

Terms of the donation should be transparent.

“Why are some municipalities still spending big bucks to install artificial turf fields?” – *Forbes*

“Main reason: taxpayers have been getting hoodwinked by **bogus analysis** into thinking artificial turf fields are cheaper than natural grass.

But the reality is that non-partisan studies have shown the exact opposite – **natural grass fields are a bargain compared to artificial turf due to the huge costs taxpayers get stuck with to maintain and replace artificial fields after their warranties expire...**Another way proponents of artificial turf skew the math in their favor is by saying many more events will be held on the field once artificial turf is installed, thereby lowering “the cost per event” on the field relative to natural grass.”

≡ **Forbes**

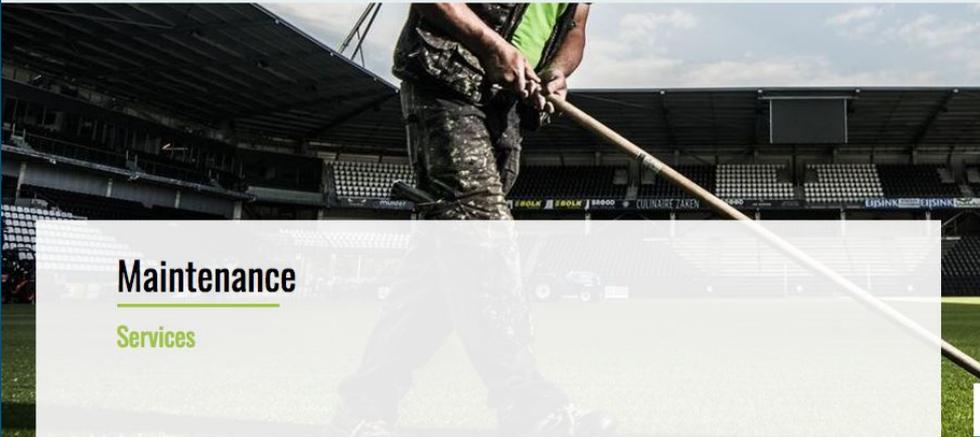
Sep 28, 2014, 08:02am EDT

How Taxpayers Get Fooled On The Cost Of An Artificial Turf Field

Mike Ozanian Forbes Staff

SportsMoney

Traffic cop at the intersection of money and sports

A photograph showing a person in a high-visibility vest and dark clothing using a long-handled tool, possibly a brush or roller, on a synthetic turf pitch. The background shows a stadium with seating and a scoreboard.

Maintenance

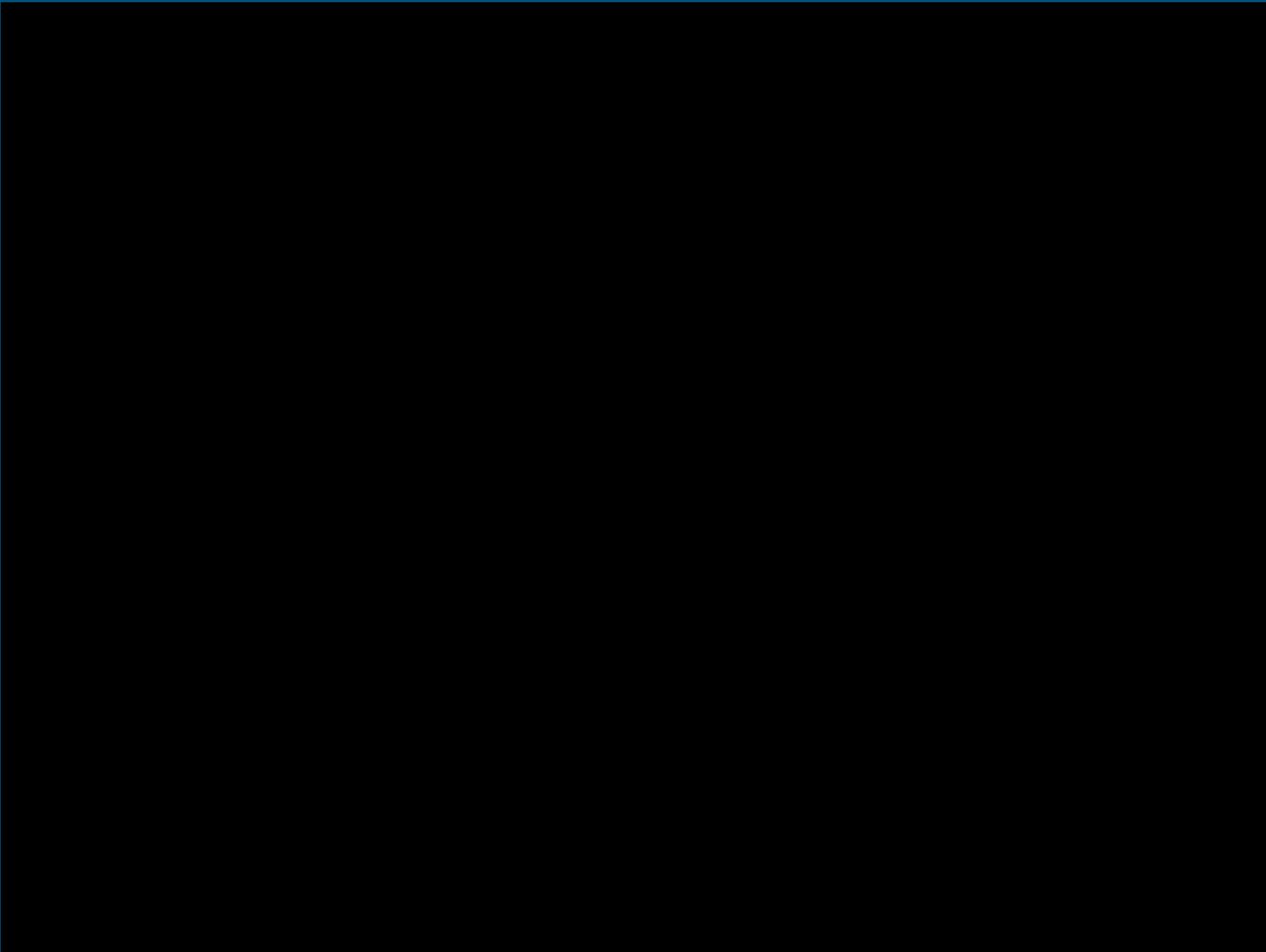
Services

After installation it is essential to maintain the playing surface, so that it retains its high level of performance. Our synthetic turf experts have developed an extensive programme which outlines the requirements for both daily and long term maintenance, ensuring maximum playability and continuous comfort and safety.

We can advise on the maintenance required for your specific pitch which can be carried out by your own maintenance staff with training provided by local GreenFields' representatives, we can also schedule professional maintenance on a quarterly basis.

“After installation it is essential to maintain the playing surface so that it retains its high level of performance.

Our synthetic turf experts have developed an extensive programme which outlines the requirements for both daily and long term maintenance, ensuring maximum playability and continuous comfort and safety.”



Master Planning Is **Crucial**

Phase One will leave the MVRHS:

- Down a girls' softball field and in violation of Title IX which requires equal funding for men's and women's sports
- A void where part of the current game field sits
- A failing old track
- A plan to clear cut mature trees in a forested corridor connecting critical habitats, in order to accommodate future fields

Is there a commitment to secure funds for Phase 2 prior to the start of Phase 1 construction?

(g) the proposed development will aid or interfere with the ability of the municipality to achieve the objectives set forth in the municipal general plan; and

From the Town of Oak Bluffs Master Plan:

The MVC prepared an inventory of maps and regulations for the area and recommended that further phases evaluate at least three issues:

- Quantify the existing water and sewer usage and the potential demand for these public services,
- Examine improving safe circulation of pedestrians, cyclists, transit users and motorists in acknowledgment that this is a primary transportation corridor for Martha's Vineyard,
- Evaluate the fiscal implications of expanded or improved public infrastructure and effects on the study area's tax base.

(h) the proposed development will further contravene land development objectives and policies developed by regional or state agencies

[Home](#) [News](#) [Warming trend heats up in Dukes County](#)

Warming trend heats up in Dukes County

Martha's Vineyard is among the fastest-warming regions in the nation.

By **Brittany Bowker** - September 4, 2019

24



MVC Climate Action Task Force predictions:

- Increased annual average temperature
 - 2.4–5.2°F by 2050
 - 3.0–9.1°F by 2100
- Heat stress
- Increased risk of wildfire
- Intense and frequent storm events on the Vineyard
- Hurricanes will produce heavier rain
- Increased stormwater runoff and inland flooding
- Damage to the natural and built environment

VIDEO

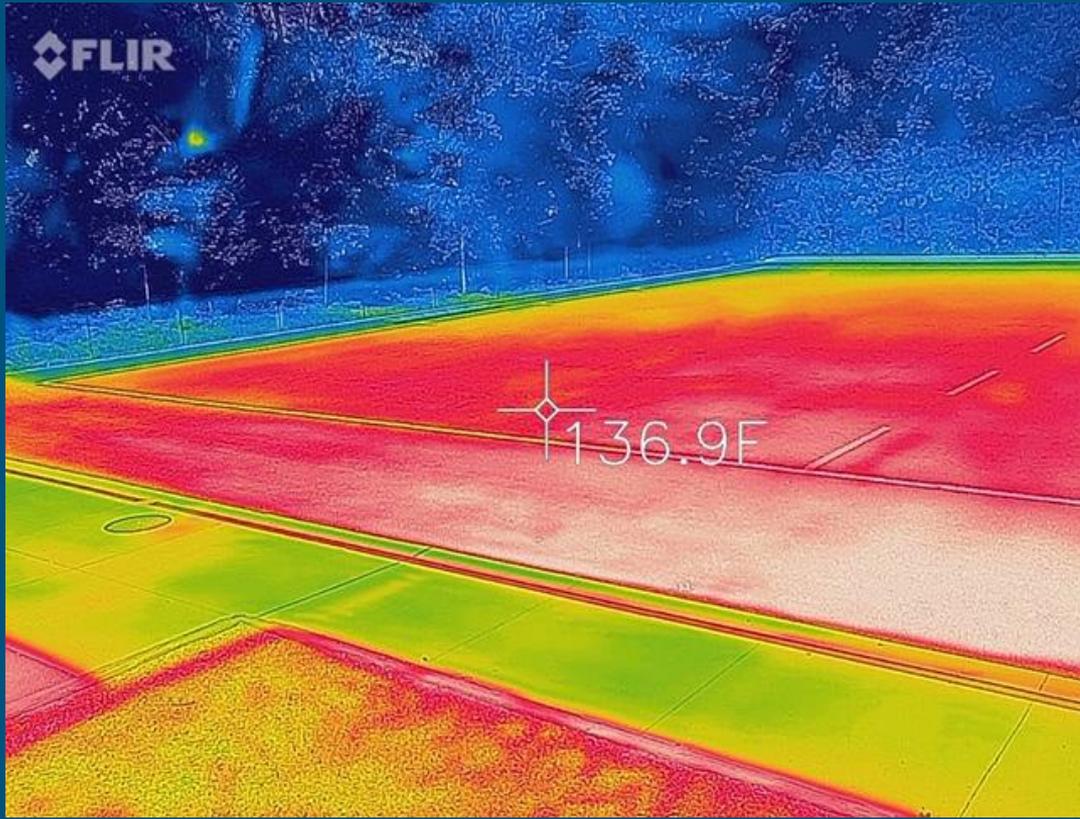
'Absolute Devastation': Storm damage could delay completion of new East Haven High School turf field



by: Leah Myers

Posted: Aug 28, 2020 / 11:49 AM EDT / Updated: Aug 28, 2020 / 05:51 PM EDT

“Thursday’s severe weather caused some major damage in East Haven, ramming right through construction on the high school’s new turf football and track field. East Haven High School Athletic Director Anthony Verderame was shocked to see the extensive damage done to the field from what he calls a tornado. Sheets of turfgrass, equipment, bleachers and more sprawled all over the field-to-be since Thursday evening...”



Plastic field with “natural” infill
Somerset Elementary School
Maryland
July 19, 2019

Air temperature 95 degrees
Corkonut field 137 degrees



Safe Healthy Fields ... · 7/20/20 ▾

Replying to @TeamBrockUSA

This is the new artificial turf field with #BrockFILL at Walter Johnson High School in Maryland

@MCPSAthletics today. Air temp was a sunny ~ 95F. Natural grass was ~ 100F. The plastic turf with Brockfill was ~ 150F.





Plastic field with “natural” infill

Flora Singer Elementary School

Maryland

June 28, 2019

Air temperature

91 degrees

Corkonut field

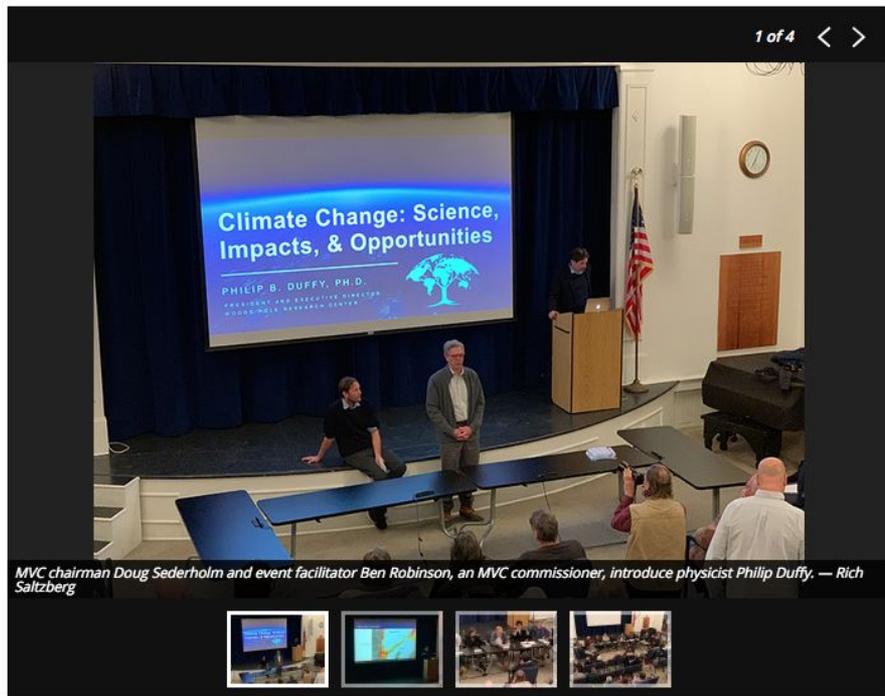
154 degrees

MVC adopts emergency climate resolutions

Decision comes after talk by noted physicist on climate change.

By Rich Saltzberg - December 13, 2019

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MVC chairman Doug Sederholm and event facilitator Ben Robinson, an MVC commissioner, introduce physicist Philip Duffy. — Rich Saltzberg

Duffy used a bathtub model to show what the carbon situation looked like. While there was no stopping the warming trend now that it's passed the point it has, he said, **the global community can take efforts not to exacerbate it, and essentially shut off the tub spigot. The global community can also make efforts to remove carbon, and essentially drain the tub, he said.**

“Really drastic reductions in emissions,” he said, starting immediately, would lead to negative emissions by about 2050; however, the only truly viable technology on the table presently to remove carbon was land management, specifically of forests, wetlands, and agriculture.

Home › News › West Tisbury says yes to carbon reduction

West Tisbury says yes to carbon reduction

Pot tax, zoning changes, artifact preservation pass special town meeting.

By Rich Saltzberg - October 7, 2020

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Marc Rosenbaum at the microphone addresses Beatrice Phear during Tuesday's special town meeting. -Jeremy Driesen

Helping Fields Helps Everything: Our Athletes And Our Increasingly Stressed Environment

- A decompacted field not only supports a healthy root system, it also supports the athletes, offering a more shock absorbent surface.
- A healthy root system and improved soil microbiology not only supports high use fields and requires less fertilizer, they also enable fields to serve as a carbon sink. Fields are a climate mitigation tool!
- A 1% increase in the soil's organic content enables a field to hold another 20,000 gallons of water per acre. A field becomes a natural sieve for runoff and requires even less water.



MVC Island Plan

Community Character: “...The Vineyard needs to more actively preserve its distinct character and promote environmentally sound building...”

Green Building: “...Increase the efficiency with which our buildings use resources — energy, water, and materials — while reducing building impacts on human health and the environment...”

Recreation in Nature: “...Access to and enjoyment of natural areas provides community benefits beyond those to the individual; access to nature inspires the culture of stewardship that is integral to the Island Plan...”

Natural Character: “The Vineyard’s overall character is defined largely by its natural environment...”

Solid Waste: “...The emphasis needs to be both on controlling and influencing what we generate as waste and on how we are maximizing potentials for reuse...”







