

**RESEARCH & SELECTION OF
SYNTHETIC TURF INFILL
MATERIAL**

**Mayor & City Council Meeting
August 5, 2013**

TRADITIONAL CRUMB RUBBER & SAND



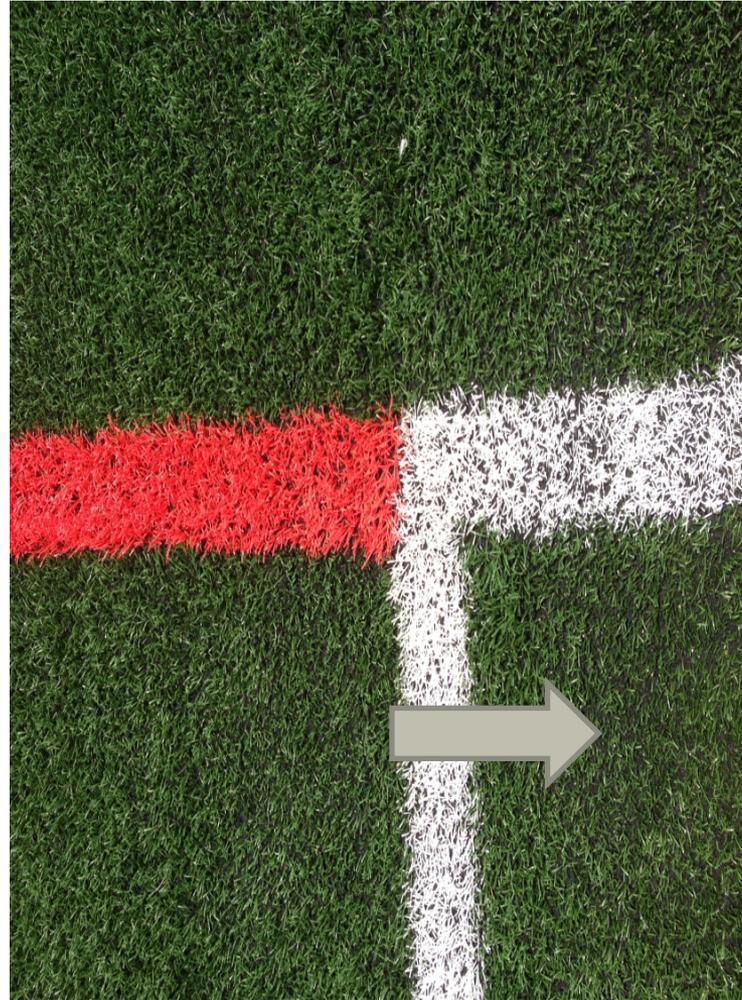
NIKE GRIND RECYCLED SHOES AND SAND



ORGANIC INFILL



GAITHERSBURG HIGH SCHOOL



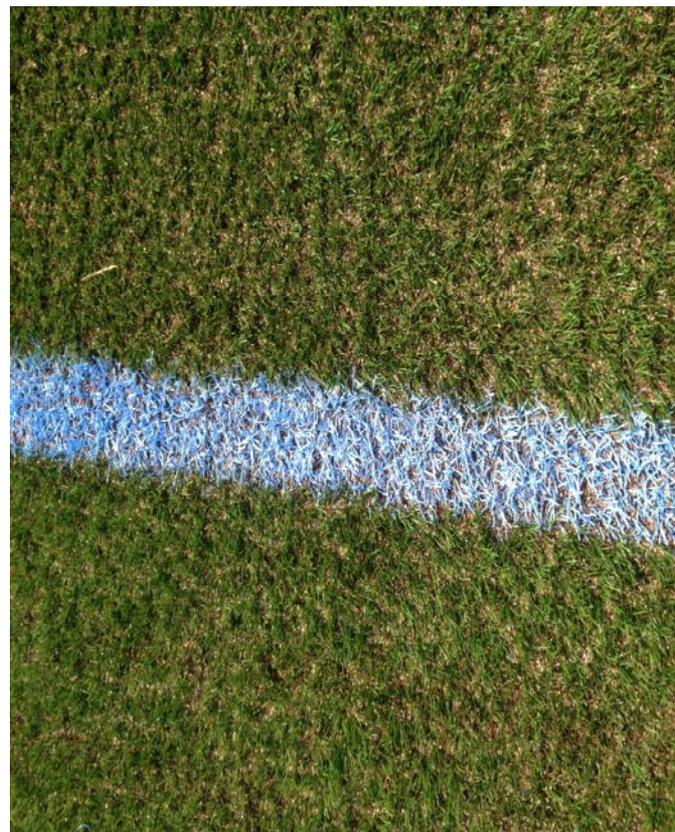
WHEATON REGIONAL PARK



WHEATON REGIONAL PARK



ST. TIMOTHY'S SCHOOL



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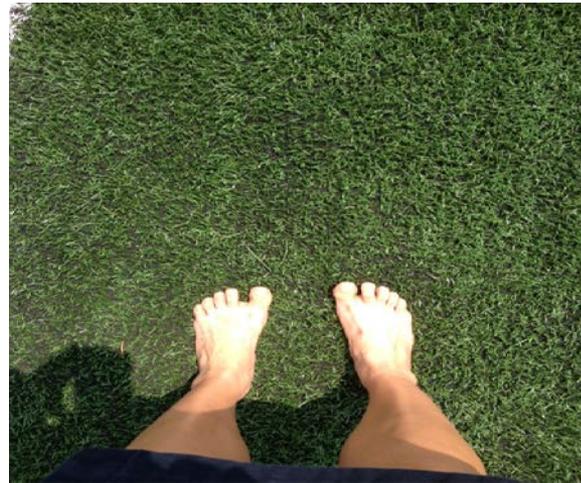


ST. TIMOTHY'S SCHOOL



COMPARISONS

- St. Timothy air temperature 89* Field temperature 123* (no thermal layer seen)
- Gaithersburg High School air temperature 93* Field temperature 145* (thermal layer present)



COMPARISONS

Texture & Look

- Crumb rubber/sand fields feel artificial and plastic-like; the infill looks black pellet-like.
- Recycled shoes/sand field feels feels artificial; the infill looks confetti-like.
- Organic turf field looks and feels comparable to natural grass. The fibers stand straight up compared to the other options, looking natural.



COST ESTIMATE

St. Timothy's School

- 70,000 sq. ft. of turf, infill, field grading
 - Curb and drainage system
 - \$680,000
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- Lakelands field is 62,000 sq. ft.
 - Cost estimate \$612,800



SELECTION OF ORGANIC INFILL

- Recyclable, lead-free, non-hazardous materials
- Organic, odor-free and non-toxic
- Dramatically reduced surface temperatures
- Ideal Gmax ratings reduce risk of injury



SELECTION OF ORGANIC INFILL

- Superior foot stability and pressure distribution
- Highly permeable system for perfect drainage
- 8-year system guarantee
- Player safety



LOCATIONS OF ORGANIC INFILL

- Since 2007, manufacturer has over 17,000 fields in 70 countries
- US projects include:
 - International School of Boston, Cambridge, MA
 - Bertino Field in New York, NY
 - Highlands Park Field in San Carlos, CA
 - Havens Elementary School in Peidmont, CA
 - Brigham Young University in Provo, Utah
 - St. Timothy's School in Stevenson, MD

