

# Nantucket Public Schools - Campus Master Plan Information

The Campus Master Plan Committee has worked tirelessly to focus our energies on the students, the staff, and community needs as we strategically plan for the future. We are always looking at our Goals & Objectives, and at all times, the safety of our school community and the community at large.

There has been much concern on the island regarding PFAS. We have, and will continue to support the Fire Department with their concerns about PFAS, but we have also learned that there are several types of PFAS. The product to be used in the proposed, recommended fields are different and distinct from those under scrutiny.

The following bullet points summarize our findings and those of Weston & Sampson, the Engineering firm we have hired to review both the product and/or possible risks to our ground water.

The Committee hopes you take a moment to review this information and to visit our web page <https://www.npsk.org/domain/1356> to read the Weston & Sampson report in its entirety along with an independent study the Martha's Vineyard School Committee conducted in 2021.

We remain committed to work openly and honestly with the community so that we can all be comfortable with these decisions for our Campus Master Plan, Phase No. 9.

## Understanding PFAS

- PFAS are a group of man made chemical compounds used in thousands of consumer products, including food packaging, cookware, water proof coatings, and fire fighting foams.
- There are both soluble and insoluble forms of PFAS.
- Because PFAS is in so many different products, it is found everywhere (water, soil, plants, animals, and humans), including our existing playing fields.
- Massachusetts DEP regulates six PFAS compounds, referred to as the PFAS6.



## PFAS & Synthetic Turf

- Synthetic turf fibers are made using a copolymer PFAS component (or processing aid) that is not soluble in water, and not able to be broken down (inert).
- The same component is used in medical devices like stents, surgical sutures, meshes, and artificial joints and is considered to be "biocompatible".
- Biocompatible materials do not produce a toxic or immunological response when exposed to the body or bodily fluids.

## PFAS & Proposed Field Products

- Greenfields Turf – certified to meet CA Prop-65 (no PFOS or PFOA). The turf has a woven backing and is therefore fully recyclable (i.e.: no issues with glues and adhesives). Testing of the synthetic turf indicated that the PFAS6 were not detected.
- Brock YSR Shock Pad: certified to be "cradle-to-cradle". Lifecycle of over (30) years (two turf cycles) and is recycled and repurposed into a new shock pad. Testing of the shock pad indicated that the PFAS6 were not detected.
- Brock Fill: 100% all organic engineered southern yellow pine. Testing of the infill material indicated that the PFAS6 were not detected.
- Destructive testing (which is not a natural occurrence) of all of the above listed materials was performed for the Vineyard project. Any leaching of the PFAS6 was either not detected or well below the MADEP drinking water standards.