

# Coast Guard Academy

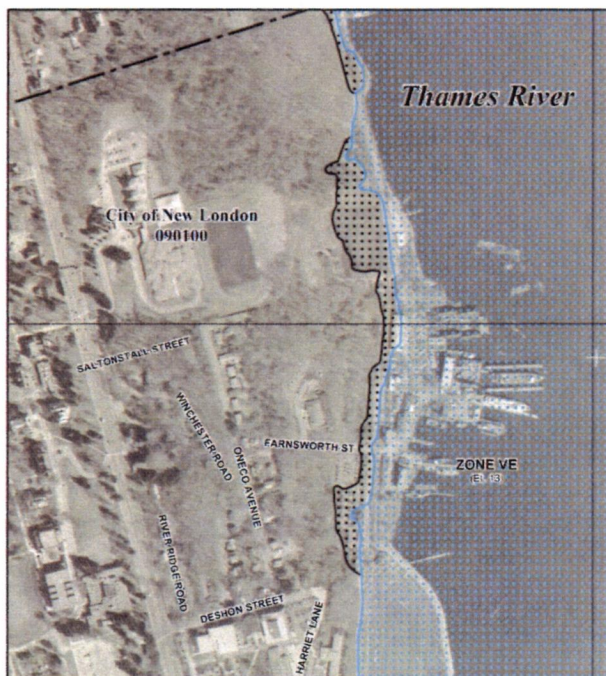
New London, Connecticut

G.J. Carabine, CFM

Chief, Construction & Engineering

Facilities Engineering

- Synthetic turf field is located in a VE zone- Areas subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action
- Like the proposed project at Hull High School, this field was designed to include a sub-base that quickly drains the field.
- The field has only flooded once, during Hurricane Sandy. The entire field was covered in 6-8 inches of water for about two (2) days. After this event they did not need to replace any crumb rubber, as they did not notice any migration.
- Crumb rubber has never migrated from the field due to wind.
- There has not been any issues with turf exposure to salt water.



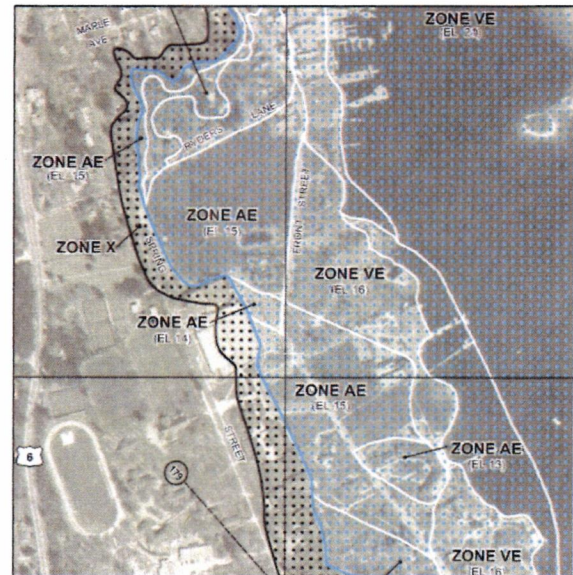
## Tabor Academy

New London, Connecticut

Tom Angelo

Former Athletic Director (AD during turf project)

- Turf field is located partially in an AE Zone- Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods as well as the VE zone.
- The turf field flooded once while he was there with 2-3 inches of water.
- He never observed crumb rubber floating from field. The rubber moved around within the field based on use, but that was moved back into place using a groomer.
- The rubber migration and contaminated runoff was a big issue during permitting. After the field was completed, a water quality study was done on the water that came through the field drainage system. The water quality tests resulted in the water being cleaner than that in Marion Harbor.
  - The water quality report is attached to this handout.
- There were no issues with breakdown of the turf due to Salt Water.





## Framingham State College

Framingham, Massachusetts

In 2004 the main athletic field at Framingham State College was knowingly constructed within the 100 year flood plain (AE Zone) of the Sudbury River and flooded at least 3 times over the 10 year life of the initial filled synthetic turf. After floodwaters receded a slight silt deposition was washed off with fire hoses, the field was groomed and restored to play. There was no significant loss of infill material. A new infilled turf system was installed in 2015.

