SCHNEIDER, DAVIGNON & LEONE, INC.
PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS

N. DOUGLAS SCHNEIDER, P.E., P.L.S.
MATTHEW C. LEONE, P.L.S.

DAVID M. DAVIGNON, P.E.
JAY MCKINNON, E.I.T.

October 1, 2021

City of New Bedford
Conservation Commission
133 William Street – Room 304
New Bedford, MA 02740

Attn: Chase Perks, Agent

Re: Proposed Commercial Marina Improvements
Applicant/Owner: Harborview, LLC
Site Address: 226 Popes Island
Assessors Lot #11 on Map #60

Dear Mr. Perks,

Schneider, Davignon & Leone, Inc., acting as agent for Harborview, LLC hereby submits the attached Revised NOI Project Narrative.

Please also find attached literature relative to a proposed Floating Trash Collector that the Applicant is agreeable to install at the facility – upon completion of the project.

The proposed location of the floating "Seabin" product will be field determined upon completion of construction.

We look forward to presenting the project to the Commission at the next available Public Hearing.

If you have any questions or need additional information, please call me at (508) 758-7866 (Ext. 203).

Sincerely,
Schneider, Davignon & Leone, Inc.

David M. Davignon, P.E.

cc: File No. 3242
Richard Fitzgerald
Lars Vinjerud

SCHNEIDER, DAVIGNON & LEONE, INC.

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August 30, 2021
Revised: September 30, 2021

Re: ***Notice of Intent - Project Narrative***
Applicant/Owner: Harborview, LLC
Project Type: Proposed Commercial Pier Facility Improvements
Site Address: 226 Popes Island
Lot #11 on Assessors Map #60

Project Purpose:
The purpose of the project is to improve the commercial docking capabilities of the facility by removing an aged pile supported timber pier *(see photos)* and replacing it with a concrete wave attenuator floating dock in the same general location.

Site Background:
The site is approximately 9,207 sq. ft. in size and is bordered northerly by Route 6, westerly and southerly by New Bedford Harbor and easterly by the Popes Island Marina and park. The entire property is developed with a commercial building and paved parking lot. The site has been historically known as Captain Leroys.

On July 31, 2019 the property was purchased by Harborview, LLC *(see attached deed)* and the facility is now d/b/a/ Fleet Marina.

Permitting History:
The facility was developed over the years thru the issuance of several Chapter 91 Waterways Licenses by the DEP as follows: Lic. No. 984 (1887), Lic. No. 2644 (1944), Lic. No. 10193 (2005) and Lic. No 15200 (2020). The 2020 license *(see attached)* permitted the removal and replacement of the southerly pile supported timber pier with a concrete floating dock/wave attenuator. Said project was completed in 2020.

Wetland Resource Areas:
The entire site falls with Land Subject to Coastal Storm Flowage, Flood Zone AE (El. 6) as shown on FIRM Community Panel No. 25005C0393G. The site contains coastal resource areas Coastal Bank (top of the vertical bulkhead) and Land Under Ocean.

Project Description:
The Applicant proposes to permanently remove:

- *583 ft. (5,278 sq. ft.) of pile supported timber pier structures*
- *195 ft. (546 sq. ft.) pile supported timber finger structures*
- *124 timber pier support piles*
- *46 timber mooring piles*

And replace the above with the following:

- *8' x 126.8' timber float system*
- *8' x 198' timber float system*
- *9.83' x 198' timber float system*
- *8' x 80.4' timber float system*
- *16.3 x 265' concrete float system*
- *16.3' x 65.6' concrete float/wave attenuators*
- *20- 4' x 10' timber float fingers*
- *114 steel or timber float anchor piles ranging in size from 12" – 36" diameter*

In summary the project proposes to remove approximately 778 ft. of deteriorating fixed pile supported pier and replace it with 1134 ft. of floating dock systems and to remove 46 boat mooring piles and relace them with 62 boat mooring piles. The pier is in disrepair; therefore, the proponent proposes to perform upgrades to improve boating access increase the number of berths and to create more diversity relative to the size of vessels. The transformation should increase the number of slips for from 32 to 54 for 25', 35' and 40' boats. Additionally, there will be 396 ft. of berthing space available for large Commercial Boas and 198 ft. of space for commercial and public boats. All work will be performed using a crane set on a barge operating in deep water.

All construction materials will be transported to the site via the barge.

Proposed Debris Mitigation-Prevention Measures:

The contractor will deploy a floating debris boom around impacted areas during demolition and construction activities. All material contained in the boom will be collected daily and properly disposed of.

At the end of the project a diver will swim the mudline of the site to collect material from the project's demolition and construction activities that may have collected on the bottom.

Compliance with the WPA:

310 CMR 10.25 – Land Under Ocean:

(3) Not Applicable - dredging is not proposed
(4) Not Applicable - dredging is not proposed
(5) Not Applicable – dredging is not proposed
(6) (a) The proposed concrete floating docks will be pile supported to minimize alterations in water circulation
(b) Not Applicable – The project site does not contain any eel grass beds
(c) The proposed concrete floating docks will be pile supported to minimize alterations in the distribution of sediment sizes
(d) The pile support system will have negligible changes in water quality
(e) Not Applicable – The project site is not a high-density area for polychaetas, mollusks or micro phytic algae
(7) The project site does not fall with a Mapped Habitat by the Natural Heritage & Endangered Species Program

Summary of Attachments are as follows:

- Filing Fee Calculation Worksheet
- Copies of Application Fees Paid
- Certified Abutters List
- DEP Abutter Notification Form
- Property deed
- Chapter 91 Waterways License Plan No. 15200
- Photos of the project site
- Figure 1: U.S.G.S. New Bedford Quadrangle
- Figure 2: Estimated Habitat Map
- Figure 3: New Bedford Assessors Map #60
- Figure 4: New Bedford F.I.R.M. Panel No. 25005C0393G
- Figure 5: Mass-GIS Aerial Photo
- Proof of "Certified Mailing" to the Mass. Division of Marine Fisheries
- Proof of "Certified Mailing" to the Harbor Development Commission

Seabin Floating Trash Collector

Request A Quote or call us: **863-270-2146**

Trash Skimmer Used on Floating Docks

The floating Seabin is secured to floating municipal marinas and docks. Most floating docks are supported by pontoons and joined to a shore with a gangway. Floating Seabins are designed to be installed on floating marinas and pontoons only, not fixed marinas.

A floating Seabin secured to a floating dock will effectively skim the water of pollutants, plastics, debris and even hydrocarbons. When boats leave chemicals in the water, an ocean trash can effectively filter out oils and hydrocarbons with an absorbent pad used in conjunction with the water pump.

Most commonly caught items:

- Micro-plastics
- Cigarette butts
- Food wrappers
- Polystyrene foam
- Fishing gear
- Clear plastic packaging

The stainless steel bracket makes the floating trash collector provides durability for use in places where marine life is prevalent and algae or barnacle growth could occur. Maintenance for the floating Seabin includes taking the floating trash bin out of the water to remove any marine life that may have adhered

Seabin Ocean Trash Collector

Floating Trash Skimmer Rids Public Marinas of Debris

Seabin ocean trash collectors are passive floating trash skimmers that clean up around arenas, harbors and docks by collecting cigarette butts and floating debris as they float by. Think of Seabin as a floating trash can that fills itself. You simply need to empty the bin when full and dispose of the contents.

Marinas and docks frequently have unsightly trash floating around their docks. Up until now, cleaning up those areas meant standing on the edge of the dock and trying to fish out the trash with a net... a very manual and tedious process. With the Seabin floating trash collector, there's no more fishing for trash. The floating trash can collegts the floating trash, and all you have to do is empty it periodically.. Marinas can maintain clean waterways and dock spaces in public lakes and bays. Use Seabin to reduce their plastic footprint, clean up public spaces, and contain floating debris.

itself to the outside of the container.

Other maintenance required by the floating Seabin is emptying the bin as needed, which will depend on the amount of debris in a given area.

The floating trash bin works continuously, 24 hours a day and 365 days a year, if regularly emptied, maintained, and kept in good working condition by the city.

Floating Trash Skimmer Benefits

Floating trash collectors sit partially submerged in the water, catching trash and stormwater debris as it drifts . They catch trash, micro-plastics as small as 2 millimeters, floating debris, and even oil. Overall, depending on the amount of debris in the water and the weather conditions of a location, a floating trash bin can catch an estimated 1.4 tons of debris and trash per year.

In 2018, Seabins caught:

- 1,580 cigarette butts
- 13,436 plastic items
- 64,024 pieces of contaminated marine debris

Wind and water conditions can sometimes work against a Seabin by keeping debris and trash away from the water pump control area. One way to keep debris and trash from escaping the pull of the Seabin is to use a **Debris Boom**. Floating debris barriers, like the calm water boom, are effective methods of containment for pollutants in bodies of water. A floating containment boom can direct debris to the floating trash collector, allowing it to be caught.

Floating Trash Collector Has a Variety of Applications

The Seabin floating trash collector has a variety of applications when used by cities, counties, or other municipalities. Capturing floating debris is an obvious application; one that can be accomplished by **Parks and Recreation** departments when needing to clean up city marinas, lakes, and large fountains.

Stormwater debris filtration is another application for the floating trash collector. **Transportation Infrastructure** departments and **Water Management** departments benefit from a floating trash collector when filtering debris, trash, and pollutants from water before it reaches public water supplies.

Floating Seabins also have more applications when it comes to filtration and debris retention. While their main application is deployment in marinas and attachment to floating docks, municipalities have a wide range of needs that a Seabin can accommodate.

Other floating Seabin applications:

- Facility protection
- Building management
- Filtration after flooding

Because Seabins need to be maintained regularly, a dedicated team of maintenance workers are necessary when deploying a floating trash collector. Municipalities will need to designate maintenance hours to the Seabin for peak performance and efficiency.

Need pricing or more information about the Seabin floating trash collector? **Contact Us** or call us at **863-270-2146**.