WALSH
ENGINEERING ASSOCIATES, INC.

918 Brighton Avenue I Portland, Maine 04102

March 29, 2013

City of Portland Inspections Division
Room 315
389 Congress Street
Portland, Maine 04101

RE: Building Permit Application
Shoreline Stabilization
39 Oaklawn Road, Peaks Island
Tax Map 90, Block H, Lot 4

Dear Inspection Division,

On behalf of Mr. Walter C. Hornaday II and Ms. Emily Raina Hornaday, we are pleased to submit the enclosed Building Permit Application for the shoreline stabilization project at 35 and 39 Oaklawn Road on Peaks Island. The project received Level II Site Plan approval from the City on January 28, 2013. This application is for the work to be completed on the 39 Oaklawn Road Parcel, which is currently owned by the applicant.

The applicant proposes to stabilize the shoreline by installing a rip-rap boulder embankment and installation of a granite block seawall. This solution is proposed in an effort to minimize disturbance of the intertidal zone and to keep the beach traversable.

The rip-rap boulder embankment consists of large (3' – 4' diameter boulders or granite cobbles) place on top of each other creating a 6-foot armor depth. The proposed embankment would slope at a rate of 1.5(V): 1(H) and top of the stone embankment would have an elevation of +/- 16.0 N.G.V.D. The area above the wall will be sloped to meet the existing top of embankment grade and will be planted with both native shrubs and native grasses.

The beach front area at the base of the large 40-inch oak tree juts out toward Casco Bay. In an effort to keep this area traversable and to stabilize the shoreline, a granite block seawall will be installed. This wall will consist of granite blocks. The block will be stacked and pinned to prevent sliding. Each block will have a 6-inch horizontal offset resulting in a 1(v):0.25(h) slope. The top of block wall elevation will be +/- 14.0 N.G.V.D. The base of block wall will have five-feet (horizontal) of toe protection, which will consist of armor stone (D50 = 12") under a layer excavated sand/native material. Behind the block wall, rip-rap boulder embankment stones will be installed; the top of the rip-rap embankment stone will have an elevation of +/- 16.0 N.G.V.D.

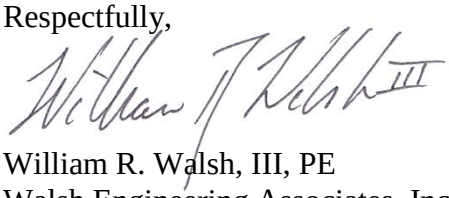
Approximately 70% of the shoreline stabilization improvements will occur on the 39 Oaklawn Road Parcel and 30% of the proposed will occur on the adjacent 35 Oaklawn Road parcel. The applicant has secured a construction and maintenance access easement from the abutting owners. A separate building permit application has been submitted for the portion of the work on the adjacent lot.

The estimated construction cost for the entire project (on both parcels) is $66,045. Approximately 70% of the project is located on the 39 Oaklawn Road parcel. Therefore, the fee for this building permit application has been calculated at 70% of the entire project cost. The remaining portion of the fee is included in the building permit application for the 35 Oaklawn Road parcel.

Building Permit Fee Calculation: $66,045(70%) = $46,232
Fee = $30 + ($46,232 - $1,000)($10/$1000) = **$482.32**

We trust that the information provided with this permit application is sufficient for approval of the building permit. If you require any additional information please let us know.

Respectfully,



William R. Walsh, III, PE
Walsh Engineering Associates, Inc.

cc: Walter Hornaday
Coley Mulkern, LPA

enc: Permit Application Fee ($482.32)
Building Permit Application Form
Letter of Agent Authorization
Retaining Wall Structural Calculations
Construction Plan Set (4 Sheets)