

TOWN OF PALM BEACH

Information for Town Council Meeting on: March 19, 2019

TO: Mayor and Town Council

VIA: Kirk W. Blouin, Town Manager

FROM: H. Paul Brazil, P. E., Director of Public Works

RE: Town Marina Project Update

DATE: March 6, 2019

STAFF RECOMMENDATION

Gordon Thomson with Baird and Associates will be presenting a status report regarding engineering and design for the Town Marina Project at the March 2019 Town Council Meeting.

GENERAL INFORMATION

Town staff has been fully engaged with the project consultant (Baird and Associates and Edgewater Resources) for this project and are presenting updates to the Mayor and Town Council on a monthly basis. The project is in the permitting and design development/data collection phase, therefore, no approvals are required at this time, and the presentation is for informational purposes only. Specific milestones and important issues to be presented include the following:

- Permit Application – The permit applications for the project have been submitted to Florida Department of Environmental Protection (FDEP) and to the U.S. Army Corps of Engineers (ACOE). Those submissions reflected the revisions discussed previously (to revise the layout consistent with required 100' setback from ICW, and to raise the bulkhead cap elevation to 5.3' NAVD).
- ARCOM Review – The project was presented to ARCOM on February 27, and there were comments received regarding architectural enhancements and revisions desired. ARCOM voted to approve the demolition only, and to defer the approval of the proposed new work until its next meeting (March 27). The design consultant is working with Town staff to revise the plans to reflect the consensus of those comments received. The architectural consultant (REG) will present to the Town Council a preview of the ARCOM re-submission.
- FPL Cable Conflict – The input received from FPL confirms that their cable crossing exists in the vicinity of the proposed Palm Way Dock, but they do not have sufficient as-built information available and cannot verify the depth of the cable in this location. FPL's recommendation is that relocation of the cable crossing to avoid the conflict is the best option. This will involve additional time, effort and cost to accomplish that relocation.

- Solicitation (RFQ) for Dock Manufacturers – Based upon the procurement approach discussed previously, the Town staff has issued a solicitation to dock manufacturers for the purpose of reviewing and pre-qualifying dock systems and manufacturers. The due date for those RFQ proposals is April 2 and a selection committee will meet to review those proposals and rate/rank them. The selection committee recommendation will be brought to the Town Council for their approval at their May meeting.
- 30% Design Presentation – The design consultant presented an overview of the 30% design to Town staff. Major elements reviewed included the pile size and material (24” steel pipe pile) and options for optimizing the bulkhead (cantilevered or batter pile) and use of a revetment at the toe of the bulkhead. Piles are anticipated to be installed to a top elevation of 11.0’ NAVD for storm surge and sea level rise, and are planned to be sleeved for durability, maintenance and aesthetic reasons. Preliminary electrical power requirements were reviewed. The dock surface was also discussed in some detail, with various alternatives to be pursued to provide durable, low-maintenance deck that is also attractive and aesthetically pleasing.
- Geotechnical Report – The geotechnical investigations and sampling/testing have been completed and the final report from the consultant has been prepared. That includes the soil/rock borings, sediment and contaminant characterization, lateral load tests and rock probings. Some of the samples collected indicated the presence of arsenic (slightly above the residential criteria and below the commercial criteria), which is not uncommon based on geology in the region.

Any recommendations for approval will be presented at subsequent Town Council meetings. The recent weekly updates are attached to this memo for your information.

Attachments

cc: Eric Brown, P.E., Assistant Director of Public Works
Patricia Strayer, P.E., Town Engineer
Jason Debrincat, P.E., Senior Project Engineer
Dean Mealy, Purchasing Manager
Jane Le Clainche, Director of Finance