

Galveston Park Board of Trustees

Seawall Beautification Pilot Project

OBJECTIVES

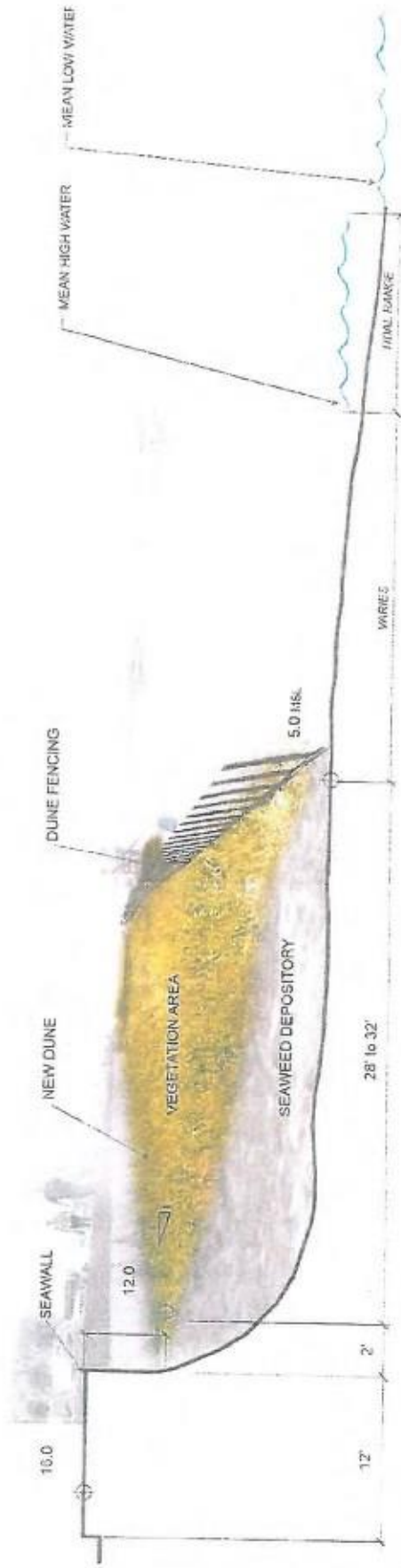
- I.** Promote the implementation of adaptive management of existing stockpiled sargassum seaweed to reduce erosion and improve aesthetics.
- II.** Create new vegetated dune features to reduce the amount of sand lost to wind transport over the seawall and into adjacent residences and businesses along the north side of Seawall Boulevard.
- III.** Reduce the amount of beach scour through the successful management of seawall outfalls onto the public beach.
- IV.** Improve and protect pedestrian access.
- V.** Increase public awareness of the importance for beach maintenance to utilize best management practices regarding seaweed deposits and relocation areas.
- VI.** Provide a knowledge base for Park Board staff regarding correct procedures for vegetation planting and monitoring.
- VII.** Develop and cultivate a nursery source of native species dune vegetation accessible to Park Board staff on a continuing basis.
- VIII.** Develop a coordinated signage system to provide information to the public to include “icon” and interpretative language describing the lifecycle of seaweed, and its importance to the coastal ecosystem.
- IX.** Documentation of project efforts to serve as a baseline that could be used for future grant applications




61ST STREET @ SEAWALL GATEWAY CORRIDOR | CURRENT



61ST STREET @ SEAWALL GATEWAY CORRIDOR | PROPOSED







TYPICAL BEACH TEMPLATE | SECTION/ BEACH PROFILE

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Language:    


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current show: 1-5 records total 5 records

current: 1 page total 1 page first previous 1 next last




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current show: 1-5 records total 5 records

current: 1 page total 1 page first previous 1 next last



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APPLICATIONS: Roads | MSE Walls & Slopes | Erosion & Sediment Control | Drainage | Containment

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December 3, 2012

Ms. Laura Lynn Vera, P.E.
Civil Engineer, US Army Corp of Engineers
Galveston District
2000 Fort Point Road
Galveston, Texas 77550

Via Email: laura.l.vera@usace.army.mil

RE: Section 408 Consideration Request for the Galveston Park Board Seawall Beautification Project

Dear Ms. Vera:

Thank you for the opportunity to meet with you and Mr. Leimer yesterday to discuss the Galveston Park Board's Seawall Beautification Project. It is our hope that once implemented this project will meet several primary objectives including helping to reduce beach erosion through the management of seawall run-off and help mitigate against the loss of sand through wind transport over the seawall.

We are seeking your concurrence that our proposed project will not have adverse effects on the Galveston Seawall or affect its structural integrity; and following your review we would appreciate your assistance in communicating your findings to Mr. Mike Fitzgerald, Galveston County Engineer. In addition to the information presented earlier today the following paragraph contains a brief summary of the proposed project.

The Seawall Beautification project is targeted toward two (2) initial areas fronting the seawall- 23rd – 27th streets; and 57th to 61st streets. No part of this project will be attached or connected to the seawall in any way; nor will any of the rip-rap or footings be disturbed during its implementation. Specifically, the project is intended to be located within 30ft. – 50ft. of the seawall and proposes to utilize existing seaweed and sand stockpiles contoured and vegetated with native species including sea oats, *Spartina patens*, bitter panicum and railroad vine to help stabilize the created dunes and create a small greenspace area. Sand fencing will be installed per General Land Office and USFWS guidelines to help protect the dune and reduce airborne sediment transport. The dunes will be contoured with a relatively new product intended to slow the movement of the run-off, and provide a "soft" structure that would help compartmentalize and support the newly planted sprigs. This feature would be staked directly to the dune.

Included with this letter is a conceptual drawing to help provide a better understanding of the look of the completed project areas along with information on the material used to compartmentalize the planted vegetation.

Should you have any questions or need additional information please do not hesitate to let us know.

Sincerely,

Kelly de Schaun
Executive Director
Galveston Park Board of Trustees