

## **Minimization Measures**



# TURRELL, HALL & ASSOCIATES, INC.

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City of Marco Island  
50 Bald Eagle Dr.  
Marco Island, FL 34145

RE: Havemeier docking facility  
899 Caxambas Dr.  
Marco island, Fl 34145

To whom it may concern,

The Havemeier docking facility Boat Dock Extension (BDE), proposed by Gregory Havemeier seeks to reconfigure an existing docking facility that will exceed the 30' maximum protrusion limit. Mr. Havemeier seeks to alter the existing facility (which already exceeds the allowed 30' of protrusion) for the purposes of easier ingress, egress, and maintenance of privately owned vessels at the subject property, which can be found at 899 Caxambas Dr. on Marco Island and which can be identified by folio #58106440008. The is found within Section 17, Township 52 S, and Range 26 E.

Per a request from Jason Smalley during a pre-application meeting that occurred on 2/13/2020, the applicant must demonstrate that the proposed dock has been designed to minimize impacts to natural resources to the greatest extent possible.

The existing facility consists of an L-shaped dock that protrudes 98' from the property line and 131' from the Mean High Water (MHWL). Including the access walkway through the mangroves, the dock consists of approximately 987 square feet of over water structure. The access walkway fluctuates from approximately 4' wide at the most landward point to 5' wide at a point that is roughly at the midpoint of the mangrove fringe. The terminal platform then again increases to a width of 6' wide.

The proposed facility would consist of a T-shaped dock that protrudes approximately 97' from the property line and 130' from the MHWL. The new dock would consist of approximately 1,570 square feet of over water square footage with an access walkway that is 4' wide from the most landward point to the terminal platform.

The proposed changes would actually result in a net decrease of structure within the mangrove fringe in the rear yard of the subject property. Additionally, a seagrass survey performed on 10/29/2019 confirmed that no seagrasses could be found within the general vicinity of the proposed dock. Because the proposed changes will abide by all state, federal, and local codes, will allow for an increase in mangrove growth, and no impacts are expected to submerged vegetation, we are therefore of the opinion that the proposed dock provides ample minimization of impacts to natural resources.