

# Water's Edge Marine Inspections

OFFICE: (954) 614 - 1768

936 SW 12<sup>th</sup> Terrace, Boca Raton, FL 33486

[www.watersedgemarineinspections.com](http://www.watersedgemarineinspections.com)

[Norma@watersedgemarineinspections.com](mailto:Norma@watersedgemarineinspections.com)

CC# 16 – 2C – 20552 - X

## COMPLETE MARINE INSPECTION AND MAINTENANCE SERVICES Docks – Piles – Seawalls – Environmental Diving

March 3, 2024

Residential Inspection: 4 \_\_\_\_\_ Boca Raton, FL

In care of: \_\_\_\_\_

Email: \_\_\_\_\_

RE: Seawall and Dock Inspection

4 \_\_\_\_\_ Rd.

Boca Raton, FL

Photos included in email

Dear Mr. and Mrs. \_\_\_\_\_

As requested, an inspection was completed on the seawall and dock at the above referenced property. The inspection was done from both the water and the landside of the wall. Water visibility was clear, +/- 3' – 3'6" depth at the wall, +/- 4' – over 5' depth outside of the dock piles, within an hour of the low tide of the day on 3/3/2024, direct intracoastal, partly cloudy skies. **This is a direct intracoastal waterway, no fixed bridge, ocean access property.**

SEAWALL:

This is an **original T piling and concrete panel seawall that has been repaired/reinforced along the waterside with concrete batter piles** (total of 22) and a full 36" wide x 28" thick concrete cap (incorporated into the dock) The wall measures +/- 100 linear feet long and is +/- 10' tall measuring from the berm (bottom of canal). See PHOTOS.

Upon inspection of the existing wall pile seam seals, (11 total), **it was found that all remain in satisfactory condition at this time. Seam sealing should be repeated annually at this location or as needed. This is a high wake area of boat traffic and sealing of the wall should be done before the seams start to peel off. Industry standard pricing would be approximately \$125.00 per pile location, (11).**

While in the water, all seawall panels were probed with an industry standard probing pipe and were found to have over 12" of penetration into the canal berm, or were embedded into rock, which is considered satisfactory. **A footer is not required at this time.**

As mentioned above, concrete support batter pilings have been driven against this wall in an effort to support the panels and prevent movement. **All pilings and full concrete cap remain in satisfactory structural condition at this time. A support pile has been driven at each T pile and additional batter piles have been driven for further support (total of 22 concrete angled pilings).** See PHOTOS.

There are **weep holes** in this wall (1 in each panel), see PHOTOS. A weep hole allows the wall to “breathe” and release pressure. **All remain in satisfactory condition.**

**There are no seawall repair recommendations at this time.**

#### DOCK AND PILINGS:

There is a +/- 4’6” x 34’ **concrete dock** supported by **four (4) 12” x 12” concrete pilings** currently on the property, see PHOTOS. The dock is covered with marble/ stone. The backyard is elevated at each end of the property, the dock area is stepped down, see PHOTOS.

**There is a ladder on the property and also a power/water station, see PHOTOS. Two (2) pilasters have been constructed above deck level at each end of the dock; each has a light in it. There are no fenders or cleats on the dock for mooring a vessel, and it would be a difficult section of the direct Intracoastal to have a boat on the dock anyway (too much boat traffic and wake).**

There are no dock or pile repair recommendations at this time.

This report is an accurate appraisal of the condition of the seawall and dock at the time of inspection for informational purposes. It is based on visual observation and non-invasive probing and is the opinion of the undersigned inspector, a licensed marine contractor. This report is not to be construed as a guarantee on the condition of the seawall, either written or implied. Any prices quoted are approximate and do not include engineering or permit fees, if required.

Sincerely,

*Norma Jean Jalovec*

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