



MEMORANDUM

TO: Harbor Bay Community Development District
FROM: Christopher Gamache, PE
DATE: 9/20/2017
RE: Seawall Update

The following is an update of the major seawall related tasks that Cardno is currently working or have worked on recently.

- Performed onsite inspections to evaluate emergency seawall conditions.
- Developed options to address emergency seawall conditions.
- Contacted contractors and requested estimates for emergency seawall work related to restoring the uplands to the original condition until a permanent solution is completed.
- Development of emergency repair solution. The timeframe for development is approximately 2-3 weeks.
- Performed onsite inspections throughout the entirety of Section I to evaluate overall conditions, measure cap rotations, and measure canal depths.
- Develop methodology to determine wall priorities based on design safety factor, cap rotations, sheet pile embedment depth, and canal erosion.
- Modeled and analyzed existing seawall sections to develop priority guidelines.
- Continued the development of the RFP for the seawall replacement.