

General Summary



Customer

Address

Hudson FL 34667

10. Seawall Inspection

10.1 CONDITION OF FOOTER

Monitor/Maintain

The footer where visible extended 6" out beyond the wall meeting minimum standards.

10.2 PRESENCE OF CRACKS IN VERTICAL WALL

Monitor/Maintain

I observed one horizontal crack underneath the deck extending out three feet. This can be repaired with an epoxy to prolong its life.



10.2 Item 1(Picture) location of horizontal crack

10.3 PRESENSE OF WEEP DRAINS

Repair or Replace

Weep drains are one of the most important components of a sea wall. When installed properly, they allow hydrostatic pressure that accumulates behind a wall to exit the area via a portal. Today the most commonly used material is PVC piping. These drains extend beyond the face of the wall and have a 90 degree elbow turned down. This design along with a screen and #2 stone allow water to exit from behind the wall but hold back dirt below the cap.

On this sea wall behind piled up rip rap we were able to find open weep holes consisting of CMU block. These open voids which are every 8ft allow silt sand and dirt behind the wall to exit the area leading to voids. The installation of rip rap is designed to slow this process. These voids commonly show as depressions in the yard and lead to cap and wall failure. We recommend these voids be closed off with concrete abutments and properly designed PVC drains installed.

Cost Estimates: The new PVC drains should be installed ever 8ft and cost approximately \$300/drain

The abutments that close off the existing voids are approximately \$400-\$500/FT



10.3 Item 1(Picture) view of weep drains



10.3 Item 2(Picture) view of weep drains



10.3 Item 3(Picture) close up

11. Docks and Lifts

11.1 HANDRAIL/SAFETY CONDITIONS

Repair or Replace

You may consider adding handrails to the deck for the safety of small children and pets. At a minimum handrails on the sides prevent someone from falling onto the rocks below.



11.1 Item 1(Picture) no handrails present

11.2 CONDITION OF LOAD BEARING POST

Repair or Replace

Its recommend that pilings be wrapped with a plastic sleeve to prevent worms from damaging the poles.

Cost: Approximately \$400/pole



11.2 Item 1(Picture) oysters contain worms and insects