

**F. Consent Agenda - Natural Resources Management  
ITEM 3.**



**AGENDA REPORT  
October 9, 2018**

**Griffis Landing Hurricane Damage Repairs**

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**SUBJECT:**

Griffis Landing at Blue Crab Cove Post-Hurricane Matthew Repairs, Construction Contract Approval (D2)

**FISCAL IMPACT:**

FY 18-19: At least \$58,223.80 in FEMA funding plus up to \$63,241 in available Griffis Landing lease revenues

**DEPT/OFFICE:**

Natural Resources Management

**REQUESTED ACTION:**

It is requested that the Brevard County Board of County Commissioners authorize the County Manager to execute a construction contract associated with Bid B-3-18-41, in the amount of \$121,465, with County Attorney and Risk Management approval, to accomplish the post-hurricane Matthew damage repair work at the Griffis Landing site, and authorize any related budget change requests.

**SUMMARY EXPLANATION and BACKGROUND:**

During Hurricane Matthew, the Griffis Landing at Blue Crab Cove property, located at 580 W Merritt Island Causeway, experienced significant damage including shoreline erosion to the southwest portion of the property immediately west of Doc's Bait House. Hurricane impacts eroded upland grassy area and paved parking area immediately landward of the existing dock structure. The erosion also resulted in the settlement of an existing concrete curb wall and the settlement and loss of rip rap boulders near Doc's and adjacent to the site's public boat ramp. No damage occurred to the dock and pier structures along the site's recently upgraded waterfront.

The required site repairs and associated project bid package were developed in association with the County Purchasing Department based on cost estimates of approximately \$60,000. Post-hurricane waterfront repair project costs increased far above established averages. Site repair bids came in at double the project estimate with a low bid of \$121,465. Santa Cruz Construction was the low bidder approved by the pre-qualification committee on September 24, 2018.

The specified damage was submitted to FEMA before the bid process as a small project and FEMA indicated that it is eligible for reimbursement in the amount of \$58,223.80. Staff is actively working through the FEMA process to expand the eligible cost and increase the project reimbursement to 87.5% of the low

bid cost.

Project construction funding, beyond that provided by FEMA, will be provided by lease revenue reserves generated by lease fees charged to the tenants of the Griffis Landing at Blue Crab Cove site. Presently, accumulated lease revenues in the site account total approximately \$102,000. In accordance with the State funding agreement used to purchase the Blue Crab Cove site, revenues generated at the Blue Crab Cove site can only be used for on-site improvements and/or repairs.

**CLERK TO THE BOARD INSTRUCTIONS:**

None. Contract to be routed upon approval.

**ATTACHMENTS:**

**Description**

- ▢ **Exhibit 1: Project Specifications & Layout**
- ▢ **Bid Tabulation: B31841**



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October 10, 2018

**M E M O R A N D U M**

TO: Virginia Barker, Natural Resources Department Director

RE: Item F.3., Griffis Landing Hurricane Damage Repairs

The Board of County Commissioners, in regular session on October 9, 2018, authorized the County Manager to execute a construction contract associated with Bid B-3-18-41, in the amount of \$121,465, with County Attorney and Risk Management approval, to accomplish the post-hurricane Matthew damage repair work at the Griffis Landing site; and authorized any related budget change requests.

Your continued cooperation is greatly appreciated.

Sincerely yours,

BOARD OF COUNTY COMMISSIONERS  
SCOTT ELLIS, CLERK

*Tammy Rowe*

Tammy Rowe, Deputy Clerk

/cmw

cc: Finance  
Budget

**GRIFFIS LANDING - POST-HURRICANE DAMAGE REPAIRS**  
**SEAWALL REPAIR**  
*BID # B-3-18-41*  
**PROJECT SPECIFICATIONS**

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1. The Contractor shall remove and dispose of approximately 48 feet of an 18x24 inch concrete curb wall (See Attachment 1).
2. The existing parking bollard shall be removed and reinstalled, in the same location, after installation of the seawall and concrete cap.
3. The Contractor shall install approximately 95 feet of vinyl sheet pile wall retaining wall with a concrete cap immediately landward of the existing dock structure. See Attachment 1 for location of proposed retaining wall.
4. The cap elevation of the vinyl sheet pile wall shall be consistent with the deck elevation of the existing dock structure (Approximately +4.6 feet NGVD29).
5. The Contractor shall ensure there is a minimal gap (< 1 inches) between the existing dock structure and the concrete cap.
6. The Contractor shall tie-in the proposed vinyl sheet pile wall to the existing vinyl sheet pile wall immediately west of Doc's Bait House (See Attachment 1).
7. The Contractor shall supply, place and compact clean fill material landward of the proposed vinyl sheet pile retaining wall in areas where erosion has occurred in order to backfill landward of the wall as needed. Back fill material shall be compacted to a 95% modified proctor standard in lifts of 18 inches or less. Density testing from a certified lab shall be submitted to the County for review prior to final project acceptance and closeout.
8. The Contractor shall repair damaged coquina rock riprap at both the southwest corner of project area and the northeast corner adjacent to the boat ramp.
9. For the southwest corner, the Contractor shall provide and place approximately 10 tons of 3 foot nominal diameter coquina rock immediately south of the existing dock structure on the southwest portion of the project area (See Attachment 1).
10. For the northwest corner, the Contractor shall provide and place approximately 20 tons of 2 to 3 foot nominal diameter coquina rock immediately north of the existing boat ramp (See Attachment 1).
11. For the placement of the coquina rock on the northwest corner, the Contractor shall utilize existing coquina as part of the repair and reset existing coquina rock along with the additional 20 tons of coquina rock.
12. For the installation of coquina rock the Contractor shall place the coquina rock in a manner that 'interlocks' the rocks to further stabilize the structure.
13. All quantities reflected in this Invitation to Bid are estimates. The Contractor shall verify quantities as part of the Bid submittal.

14. The Contractor shall be required to obtain all applicable state, federal and county permits.
15. The Contractor shall coordinate an on-site meeting with County staff to discuss elements of project permitting and construction prior to project start.
16. All work shall be done in coordination with and under the supervision of a representative of Brevard County.

Wall Design/Installation Specifications

1. The Contractor shall install the sheet pile wall utilizing the following materials and methods or approved equal as described below:
  - a. Sheet Type: ShoreGuard SG-625
  - b. Min. Sheet Length: 10 feet
  - c. Wale Type: Concrete Cap
  - d. Anchor/Rod: SS-5 Helical Anchor with an 8/10/12 configuration
    - i. Installation Angle: 20 degrees
    - ii. Length: 16 feet
    - iii. Spacing: 6 feet
  - e. Geotextile: Mirafi 140N
2. Under no circumstances shall the Contractor cut off or install shorter sheets without written authorization for County.

Coquina Rock

1. The Contractor shall note the following specifications for quantities and rock sizes:
  - a. Southwest corner, the Contractor shall provide and place approximately 10 tons of 3 foot nominal diameter coquina rock immediately south of the existing dock structure on the southwest portion of the project area (See Attachment 1).
  - b. Northwest corner, the Contractor shall provide and place approximately 20 tons of 2 to 3 foot nominal diameter coquina rock immediately north of the existing boat ramp

Additional Requirements:

1. The Contractor shall have a minimum of three (3) years demonstrable experience as a marine contractor.
2. Contractor is responsible for obtaining all necessary state, federal and county permits.
3. The Contractor shall be responsible for maintaining a clean and safe work environment.
4. The Contractor shall be responsible for the damage and remediation of any existing infrastructure or vegetation (including grass) as a result of their operation.
5. The Contractor price shall include all necessary temporary fencing and/or barricades to safely and effectively isolate the work and staging areas from public access.

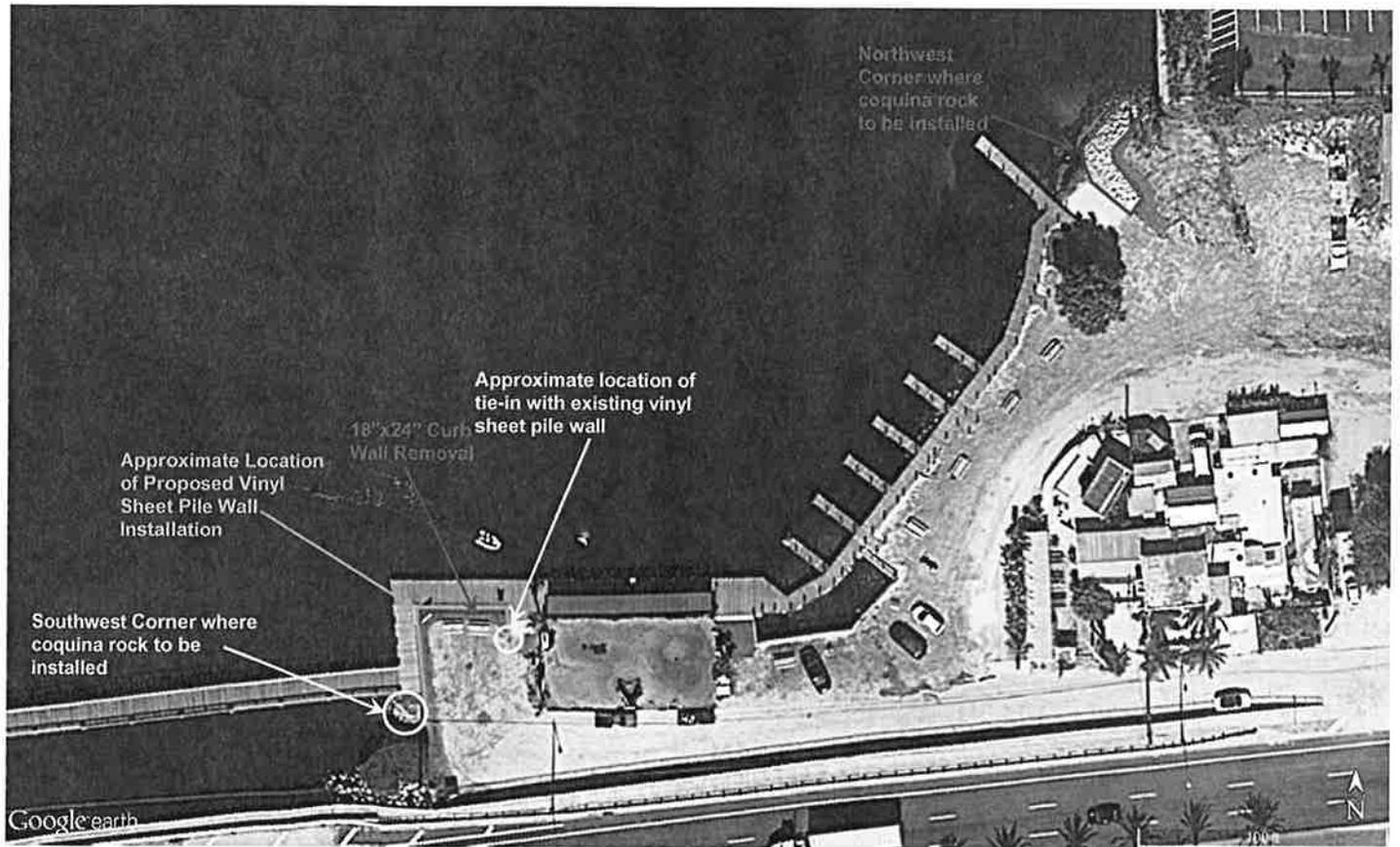
6. All work shall be conducted using all appropriate Best Management Practices (BPM's) to prevent any turbidity/siltation/water quality violation. Contractor(s) shall install floating turbidity barriers or other appropriate FDEP erosion control and turbidity prevention measures around the project area, as required. All work shall avoid impacts to wetlands, mangroves, seagrasses and any other critical/endangered habitats and creatures that may be encountered.
7. During execution of any of the activities described herein, the Contractor shall take all necessary precautions to reduce disturbance of the surrounding environment including turbidity of the surface water, disturbance of upland or wetland sediments, submerged and emergent aquatic vegetation, mangroves, and deposition of debris or sediment from the upland, into the water. The Contractor shall be liable for any such disturbances and any corrective actions required to mitigate the disturbance.
8. The Contractor shall accomplish the work in such a manner as to minimize disruption to traffic to as great a degree as practicable. The Contractor will be permitted to exclude the public for safety purposes from the work areas in the immediate vicinity of the construction operations.
9. The Contractor will be required to follow all permit requirements associated with applicable state, federal and local permits. Failure by the Contractor to follow permitting requirements will void the contract and payment.
10. The Contractor shall be required to carry the following insurance coverage for the duration of the removal project:
  - 10.1 CONTRACTOR shall deliver to COUNTY, certificates of insurance (and other evidence of insurance requested by COUNTY) for each policy the CONTRACTOR is required to purchase and maintain in accordance with paragraph 10.2.
  - 10.2 CONTRACTOR shall purchase and maintain during the life of this Contract such liability and other insurance as is appropriate for the work being performed and furnished as will provide protection from claims set forth below which may arise out of or result from CONTRACTOR's performance and furnishing of the work and Contractor's other obligations under the Contract Documents, whether it is to be performed or furnished by CONTRACTOR, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform or furnish any on the Work, or by anyone for whose acts any of them may be liable:
    - a. WORKERS' COMPENSATION INSURANCE. The CONTRACTOR will provide Workers' Compensation Insurance coverage on behalf of all employees who are to provide a service under this Contract.

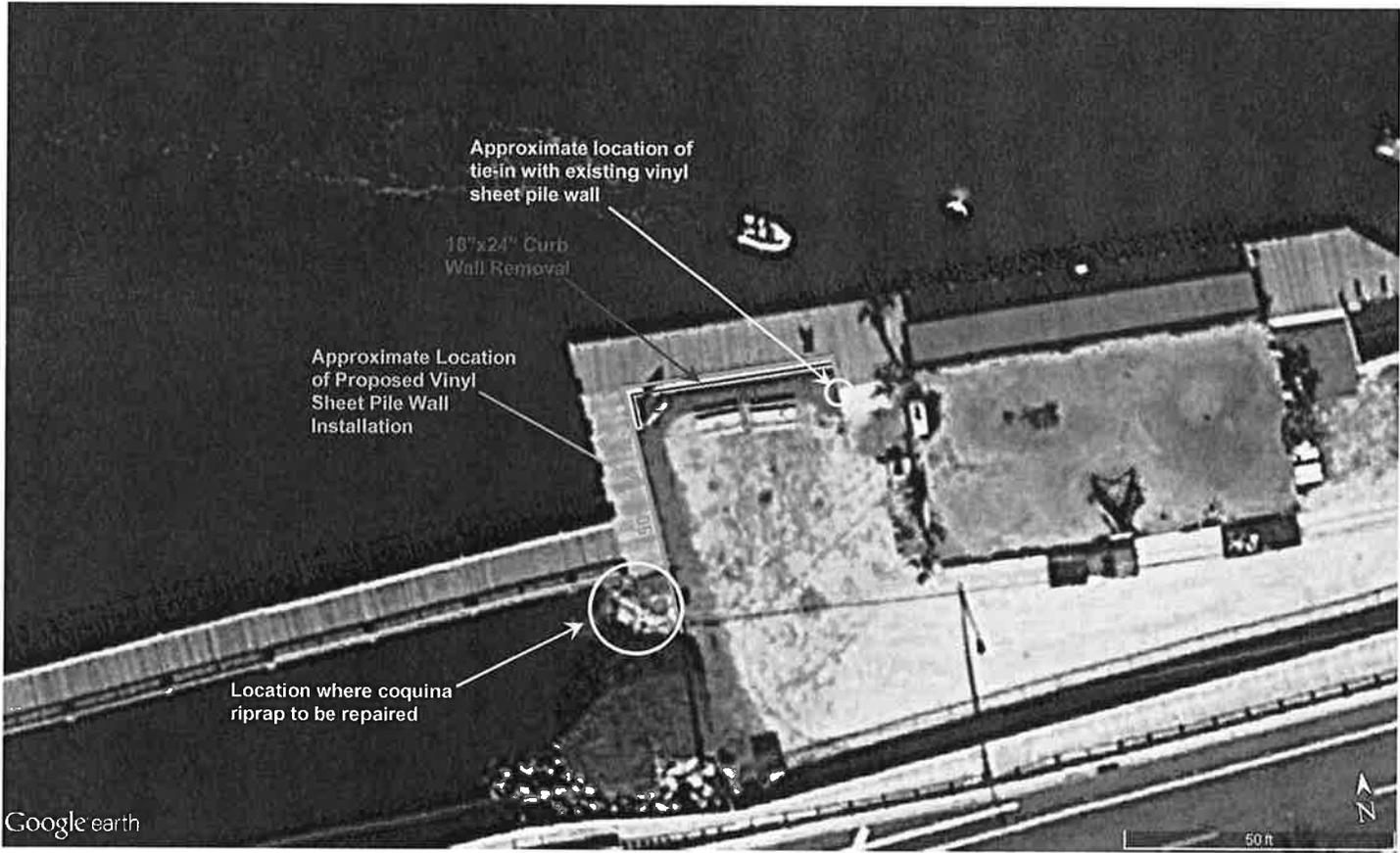
- b. COMPREHENSIVE GENERAL LIABILITY INSURANCE including property damage; contractual; operations, products and completed operations, and personal injury with limits not less than \$1,000,000 per occurrence combined single limit.
- c. COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE which includes coverage for all owned, non-owned and rented vehicles with a \$1,000,000 per occurrence combined single limit for each occurrence.
- d. All policies, required by this Contract, with the exception of Workers' Compensation and Professional Liability, shall name the COUNTY as an additional insured, and the insurer(s) shall agree to waive all rights of subrogation against the COUNTY, its Commissioners, Officers, Agents, Employees or Volunteers.
- e. Each insurance policy required by this Contract shall be endorsed to state that coverage shall not be suspended, modified, permitted to expire, voided or canceled without thirty (30) days prior notice by certified mail, return receipt requested, has been given to the COUNTY.
- f. The insurance coverage enumerated above constitutes the minimum requirements and shall in no way lessen or limit the liability of the CONTRACTOR under the terms of the Contract.
- g. If CONTRACTOR does not purchase or maintain all of the insurance required by the Contract Documents, CONTRACTOR shall notify the COUNTY in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage. Without prejudice to any other right or remedy, COUNTY may elect to obtain equivalent Bonds or insurance to protect County's interests at the expense of the CONTRACTOR, and a Change Order shall be issued to adjust the Contract Price accordingly.

This bid is being solicited in accordance with the procurement requirements for Federal grants, as provided for in Title 2 Code of Federal Regulations (CFR) Part 200 as detailed online at <http://www.FEMA.gov/Public-assistance-policy-and-guidance>, and incorporated herein in order to be eligible for reimbursement under the Public Assistance Program. All contracts resulting from this solicitation must comply with the requirements of 44 CFR 13.36(b) and 2 CFR 200.317 thru 326.

**Attachment 1**

**Site Layout**





Approximate location of tie-in with existing vinyl sheet pile wall

18"x24" Curb Wall Removal

Approximate Location of Proposed Vinyl Sheet Pile Wall Installation

Location where coquina riprap to be repaired

Google earth

50 ft





## BID TABULATION SHEET

**Bid Title: Griffis Landing – Post-Hurricane Damage Repairs**

**Bid No: B-3-18-41**

**OPENING DATE & TIME: August 23, 2018 @ 2:00 p.m.**

**POSTING TIME/DATE: August 23, 2018 @ 3:00 p.m. THROUGH: August 30, 2018 @ 3:00 PM**

**POSTED BY: lar**

VENDOR	Design & Permitting	Demolition/Removal of existing Concrete Curb	Install New Sheet Pile Sewall	Install Coquina Boulders	BID TOTAL
Santa Cruz Construction	\$8150.00	\$12,100.00	\$90,915.00	\$10,300.00	\$121,465.00
C & D Construction	\$27,777.00	\$15,000.00	\$40,000.00	\$60,000.	\$142,777.00

Bid tabulations with award recommendations are posted to DemandStar at [www.demandstar.com](http://www.demandstar.com). Brevard County encourages prompt and fair handling of all complaints and disputes with the business community. Filing of any disputes and appeals shall be in accordance with procedures specified in bid documents.