

REQUEST FOR PROPOSAL (RFP) & FORMAL BID TEMPLATE

PROJECT TITLE: Removal & Replacement of 54 LF Bulkhead System & Boat Ramp Return

LOCATION: West End of Sixth Avenue, Melbourne Beach, FL 32951 (Indian River Lagoon)

ISSUANCE DATE: July 14, 2026

CLOSING DATE FOR BIDS: July 30, 2026 at 3:30 pm

1. PROJECT OVERVIEW & SCOPE

The Owner is seeking formal, line-item bids from licensed, insured Florida Marine Contractors to remove an existing, failing bulkhead and construct a new vinyl sheet piling seawall system. The project encompasses a total of **54 Linear Feet (LF)** in an L-shaped configuration directly bordering a concrete boat ramp on the micro-tidal, brackish waters of the Indian River Lagoon. **The boat ramp will be completely closed to all traffic for the duration of this project,** allowing full land-based equipment access directly on the ramp surface (subject to surface protection requirements).

2. SITE SPECIFICATIONS & CONFIGURATION

- **Front Seawall Segment:** 17 Linear Feet facing west into the Indian River Lagoon.
- **Return Wall Segment:** 37 Linear Feet running east, flanking the south side of the boat ramp, transitioning into a sloped retaining wall toward land grading.
- **Exposed Wall Height:** Approximately 4.0 feet from the lagoon mudline to the top of the concrete cap.
- **Jurisdiction:** Town of Melbourne Beach Building Department, FDEP Central District, and U.S. Army Corps of Engineers.

3. TECHNICAL & MATERIAL REQUIREMENTS

Bidders must base their pricing on the following minimum structural standards:

- **Sheet Piling:** Heavy-gauge, UV-stabilized vinyl sheets (ShoreGuard SG-425 / SG-525 or engineered equivalent).
- **Sheet Length & Penetration:** Minimum 12-foot sheets providing an 8.0-foot embedment depth (2:1 ratio) driven into load-bearing strata past the organic muck layer.
- **Corner Assembly:** Must utilize a specialized, pre-fabricated 90-degree interlocking corner sheet.
- **Concrete Top Cap:** Poured-in-place, 3,000 PSI marine-grade concrete cap (minimum 18" wide by 12" deep) with epoxy-coated or fiberglass rebar reinforcement.
- **Tie-Back System:** Minimum 3/4" diameter hot-dipped galvanized or Grade 316 stainless steel rods spaced every 6 feet on-center, connected to pre-cast concrete deadmen anchors. Return wall tie-backs must not interfere with or undermine the boat ramp sub-base.
- **Drainage:** Non-woven geotextile filter fabric applied to the landward face of the vinyl sheets; JetFilter maintainable weep hole filtration units installed every 10 LF.
- **Environmental Controls:** Contractor must supply, deploy, and maintain Type II weighted turbidity curtains around the entire marine work zone.

4. CONTRACTOR BID PRICING SHEET

Contractor to provide fixed, lump-sum line item pricing below:

Item #	Description	Unit	Qty	Total Cost
1.0	Mobilization, Permitting, & Safety			
1.1	Permitting coordination (Town of Melb. Beach, FDEP, USACE)	Lump Sum	1	\$ _____
1.2	Site prep, MOT, boat ramp closure signage, and safety barriers	Lump Sum	1	\$ _____
1.3	Supply and deployment of Type II Turbidity Curtains	Lump Sum	1	\$ _____
2.0	Demolition & Site Prep			
2.1	Extract and dispose of 54 LF of existing failing bulkhead	Lump Sum	1	\$ _____
2.2	Excavation of tie-back trenches along south side of ramp	Lump Sum	1	\$ _____
3.0	Seawall Materials & Installation			
3.1	Supply & drive heavy-gauge vinyl sheets (17 LF Front / 37 LF Return)	Linear Foot	54	\$ _____
3.2	Supply & install 90-degree interlocking corner pile assembly	Lump Sum	1	\$ _____
3.3	Installation of tie-back rods and concrete deadmen anchors	Lump Sum	1	\$ _____
3.4	Supply and pour 18"x12" reinforced marine concrete top cap	Linear Foot	54	\$ _____
4.0	Drainage, Backfill, & Restoration			
4.1	Geotextile fabric, clean fill backfill, and mechanical compaction	Lump Sum	1	\$ _____
4.2	Installation of maintainable weep hole filter units	Each	5	\$ _____
4.3	Final site grading, equipment mat removal, and sod restoration	Lump Sum	1	\$ _____
TOTAL	COMPLETE PROJECT BID PRICE (ITEMS 1.0 – 4.3)			\$ _____

5. SUBMISSION REQUIREMENTS & TERMS

Bidders must submit the completed pricing sheet along with the following documentation:

- Proof of Licensure:** Active Florida State Certified Marine Contractor license (or qualified State Certified General Contractor license with marine endorsement).
- Insurance Certificates:** Minimum \$1,000,000 General Liability, Worker's Compensation, and Jones Act/USL&H coverage (if applicable for marine work).
- References:** Minimum of three (3) references for similar residential or public seawall/bulkhead projects completed in Brevard County within the last 36 months.
- Project Schedule:** Estimated number of calendar days from permit issuance to substantial completion: _____ Days.

5. Warranty Confirmation:

- Manufacturer Piling Material Warranty: _____ Years (Minimum 50 Years required).
- Contractor Labor/Workmanship Warranty: _____ Years (Minimum 3 Years required).

6. BOAT RAMP PROTECTION & LIABILITY CLAUSE

By submitting a bid, the Contractor acknowledges that the adjacent concrete boat ramp is a critical asset. The Contractor agrees to utilize heavy-duty rubber or timber equipment mats (swamp mats) for all tracked or heavy wheeled machinery operating on the ramp. The Contractor accepts full financial and structural liability for any cracking, shifting, fracturing, or undermining of the boat ramp slab resulting from construction operations.

BIDDER SIGNATURE & IDENTIFICATION

Company Name: _____

Authorized Signee Name/Title: _____

License Number: _____ Phone: _____

Signature: _____ Date: _____
