



ADDENDUM NO. 3

Issue Date: February 13, 2023

Project Name: Replacement Pontoon Boat Dock at the Environmental Learning Center

Bid Number: 2023021

Bid Opening Date: **February 24, 2023 (Updated)**

This addendum is being released to answer questions received to date and modify bid documents. The information and documents contained in this addendum are hereby incorporated in the Bid Documents. **This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.**

Modifications to Bid Documents:

Updated Technical Specifications (replaces pages 119-123)

Updated ELC Dock Drawings (replaces pages 170-173)

Questions and Answers

The technical specification on page 5, section 10.3.7 mentions a drawing of the Starlite light fixtures. Can you please provide the drawings? **The manufacturer's website below provides more information**

1. **regarding the proposed light fixture.**

<https://www.litethenite.com/deck-lights>

<https://static1.squarespace.com/static/5af1ac3ea2772c6a0e332555/t/61ba1ef54f6d075cd391a910/1639587574665/BDL190BZ.pdf>

2. I reached out to Thru Flow and they have discontinued the Thru Flo 60 decking, they designed that product for the west coast sea kelp. Would the Thru Flo 50 be acceptable for the platform section at the end of the dock? **Yes**

Technical Specifications

1. **General:** These Technical Specifications describe details of the proposed improvements (Work/Project) as generally identified (i) on the Drawings titled "Proposed Replacement Pontoon Boat Dock for Environmental Learning Center" by Coastal Technology Corporation (ENGINEER) dated 6/03/2022 – revised 2/10/2023, (ii) in these Technical Specifications, and (iii) in the Contract Documents. The Work (PROJECT) is proposed for Indian River County (COUNTY). The PROJECT entails (a) removal of the existing Pontoon Boat Dock, and (b) new dock construction with water and electric service, and an entrance gate.

The CONTRACTOR shall complete the Work consistent with the Drawings and these Technical Specifications – unless otherwise modified by Addendum or Change Order. As shown on the Drawings, the PROJECT includes (a) removal and replacement of the existing pontoon boat dock including the railing, decking, stringers, pile caps, and piles, and entry gate, and (b) site restoration. The existing boat lift is to remain in place.

The Work shall be performed consistent with the 2020 Florida Building Code, Seventh Edition unless otherwise identified in these Technical Specifications or the Drawings.

Per the Drawings, the work includes:

- Marginal Berths to allow vessels to berth or make fast to the Shore Perpendicular Pier;
- a Guard Rail along the Dock deck perimeter except 4' openings at Marginal Berths; and
- horizontal 3X12 Fender Rails between piles at each Marginal Berth.

The location of Marginal Berths are to be field verified – subject to acceptance by the OWNER and ENGINEER - prior installation of the Guard Rail and Fender Rails.

The existing dock must remain open to the public until April 1, 2023 and new dock construction must be completed and re-opened to the public by November 17, 2023. No staging of equipment can commence prior to April 1, 2023.

2. **Permit Compliance:** The CONTRACTOR shall abide by all notes and conditions indicated on the Drawings, Technical Specifications, and as cited in permits for the work. Any deviation from the Drawings, Technical Specifications, and/or permits may be subject to enforcement actions and/or permit revocation – except as may be authorized by Addendum or Change Order. If the CONTRACTOR violates any condition of the permits and the Work is stopped by any public entity, then any additional costs incurred by the CONTRACTOR in association with stoppage of the work shall be paid by the CONTRACTOR and not charged to the COUNTY. The CONTRACTOR shall notify the COUNTY and ENGINEER within 24 hours of the CONTRACTOR's recognition of any discrepancies in the Drawings or these Technical Specifications. The CONTRACTOR shall obtain a local building permit from Indian River County; the COUNTY will provide other required permits. A complete copy of all permits must be maintained by the CONTRACTOR at the work site.
3. **Preconstruction Conference:** Prior to construction, the CONTRACTOR shall meet on site with the ENGINEER or his designee to (a) review the PROJECT details, (b) establish construction access locations and upland construction staging areas on site as may be proposed by the CONTRACTOR, and (c) document pre-construction conditions of the site.

4. **Notification:** At least two (2) weeks prior to the start of construction, the CONTRACTOR shall notify the ENGINEER and COUNTY of the expected dates for the start and completion of construction. The CONTRACTOR will notify the ENGINEER as to the time and date of the following events at least three (3) days prior to the event:
- Mobilization onto the site
 - Preparation of the CONTRACTOR's access and staging areas
 - Installation of the Turbidity Barriers
 - Removal of existing dock
 - Delivery of materials to the site;
 - Installation of the piles – including (a) delivery onto the site, (b) placement, (c) any cutting of the piles, which shall be subject to acceptance by the ENGINEER
 - Installation of the pile caps, stringers, decking, and guardrail
 - Site Restoration
 - Demobilization
- Failure to comply may be taken as cause for rejection of work completed.
5. **Construction Access & Staging Areas:** The CONTRACTOR may obtain access to the site:
- a) by vessel via the navigable waters of the Indian River, or
 - b) by vehicle via the entrance to the Environmental Learning Center site at 255 Live Oak Drive, Vero Beach, FL 32963.
- The CONTRACTOR may store materials and equipment within staging areas on the Environmental Learning Center site – as accepted by the COUNTY and ENGINEER at the Preconstruction Conference.
6. **Materials:** The CONTRACTOR shall make available (within the staging area) to the ENGINEER all construction materials (piles, decking, rails, bolts etc.) proposed for construction; said materials shall be subject to acceptance by the ENGINEER prior to installation by the CONTRACTOR. After notification and delivery of materials, the ENGINEER will accept or reject materials within three (3) business days.
7. **Avoidance of Impacts to Resources:** The CONTRACTOR shall avoid impacts to any state or federally designated threatened or endangered species including manatees, sea turtles, and sawfish during construction activities. If prehistoric or historic artifacts are encountered at any time within the project site area, all activities involving subsurface disturbance in the vicinity of the discovery shall cease. The CONTRACTOR shall contact the COUNTY, the ENGINEER, and the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850) 245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, F.S. In addition, the CONTRACTOR shall perform the work so as to avoid adverse impacts to sovereignty submerged lands and associate resources including seagrass, oyster beds, or other benthic resources. If any adverse water resource-related impact occurs as a result of construction activities, the CONTRACTOR shall immediately notify the ENGINEER and COUNTY.

8. **Erosion and Sediment Control:** The CONTRACTOR shall conduct construction activities in a manner that does not cause or contribute to violations of state water quality standards. Stabilization measures shall be implemented by the CONTRACTOR for erosion and sediment control on areas disturbed areas by the CONTRACTOR prior to construction activities. Such measures and practices shall be in accordance with Section 104 of the Division 2 Technical Provisions.
9. **Payment:** The COUNTY shall make payment to the CONTRACTOR for all materials and labor according to the unit prices and lump sum prices indicated on the Bid Schedule. The COUNTY shall make final payment for each item of the work upon completion of the work by the CONTRACTOR and acceptance of the work by the ENGINEER and the COUNTY. The CONTRACTOR shall provide all materials, labor and equipment needed to perform the work required by these specifications for each Bid Item with no additional cost – beyond the Bid Schedule – to be incurred by the COUNTY except as may be authorized by Change Order.

10. Bid Items:

- 10.1. Mobilization / Demobilization: All costs connected with the one-time mobilization and demobilization of all CONTRACTOR's employees and equipment and all costs connected to obtainment of a performance bond for Marine Construction are to be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 1. The CONTRACTOR shall: (a) avoid any damage to existing utilities; (b) determine if underground or overhead utilities exist at or near the Project site work locations; and (c) specifically contact Sunshine 811 (1-800-432-4770) prior to commencement of construction. Elevation contours on the Drawings are as of the date of the survey or site visit and may not reflect conditions at the time of construction; the CONTRACTOR is to verify water depths and bottom types at all work locations – as needed for construction. All other costs associated with performance of the work (including bonding and insurance requirements, erosion and sediment control) and not addressed in other bid items – shall be included in the CONTRACTOR's proposal for Bid Item 1.
- 10.2. Removal of Existing Structures: All costs connected with removal and disposal (or salvage) of existing structures are to be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 2. The CONTRACTOR shall provide all necessary equipment and labor to remove the existing wood dock, superstructure, and piles under Bid Item 2 as shown on the Drawings. The CONTRACTOR shall coordinate with the COUNTY and ELC to shut off power to the existing outlet attached to the dock. All materials obtained from removal of the existing structure are to become the property of the CONTRACTOR for salvage, or otherwise, the CONTRACTOR shall dispose of the materials at an upland disposal site in accordance with applicable local and state laws – subject to approval of the COUNTY. The COUNTY is not responsible for the quality or quantity of any material salvaged by the CONTRACTOR. The CONTRACTOR may temporarily store materials in an accessible location within staging areas on the Project site as may be identified by the CONTRACTOR at the Preconstruction Conference – subject to acceptance by the COUNTY and ENGINEER.

10.3. Replacement Dock: All costs connected with construction of the replacement dock are to be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 3. The CONTRACTOR shall provide all necessary materials, equipment, and labor to construct the proposed replacement dock as shown on the Drawings per the following provisions:

10.3.1. Decking: The decking for the replacement dock from the road to the proposed gate on the dock shall be Lumberrock™ 2x6 deck board. The decking for the 6-foot wide shore-normal pier shall be ThruFlow™ Surge 50 fiberglass reinforced polypropylene panels in Light Grey or near equivalent subject to acceptance by the ENGINEER. The decking for the 8-foot wide terminal platform shall be ThruFlow™ Surge 60 fiberglass reinforced polypropylene panels in Light Grey or near equivalent subject to acceptance by the ENGINEER. Each deck panel shall be installed in accordance with the manufacturer's Installation Guidance – including (a) mechanically fastened to each stringer at the panel edges using #10 x 2-1/2" pan head stainless steel screws, (b) the long axis perpendicular to the stringers and bearing upon the stringers, and (c) a 1/16-inch gap between adjacent panels and piles. The CONTRACTOR may not saw cut grating panels.

10.3.2. Guard Rail: The CONTRACTOR will provide and place Guard Rail as (a) the RodTite system as manufactured by ViewRail with 1/4" diameter 2205 Stainless Steel rod railing, or (b) comparable as may be accepted by the OWNER and ENGINEER. The 4x4 wood posts shall be fastened to the outside of stringers via two 1/2" stainless steel bolts at four (4) feet on center or less. Where posts are installed at piles, the same two bolts shall connect the post and outside stringer to the pile. The top plate of the guard rail shall be a 2x4 Lumber Rock or comparable as may be accepted by the OWNER and ENGINEER. Railing shall be installed in accordance with the manufacturer's Installation Guide. As shown on the Drawings:

- On Shore-Perpendicular Pier:
 - The deck and Guard Rail shall be constructed over the proposed Pier piles.
 - The 4X4 posts shall be spaced at 4 feet on center.
- On the Terminal platform:
 - The deck and Guard Rail shall be constructed inside the Pier piles at each bent.
 - The 4X4 posts shall be spaced at 3 feet 4 inches (3'-4") on center – at the piles and at third-points between piles – bolted through the outside stringer.
 - The 4X4 post at the pile shall be bolted also through the pile – with washers and spacers as needed to yield a straight and continuous Guard Rail.

At Marginal Berths, a 4' wide Opening in the Guard Rail is to be without rods to allow access to moored boats – except on the south side of the Shore Perpendicular Pier immediately south of the existing boat lift.

10.3.3. Wood: All wood shall be nominal sizes as shown on the Drawings, dressed sizes shall be as published by the *National Design Specifications for Wood Construction*, Nominal and Minimum Dressed Sizes of Sawn Lumber. All wood for pile caps, stringers, wood gate, and guard rail posts shall be pressure

treated Southern Pine No. 1 grade. All wood shall be treated in accordance with AWPA Standards U1-17 UC4B Ground Contact Heavy Duty. All wood shall be free of knots, boreholes, decay, or any other damage. Each piece of lumber shall be identified by the grade and treatment mark of a recognized organization approved by the Southern Pine Inspection Bureau (SPIB) *Standard Grading Rules for Southern Pine*. All exposed edges of the rails shall be beveled. All exposed edges shall be sanded smooth to remove any sharp edges and splinters. Stringer splices should be over pile caps.

10.3.4. Piles: Wood piles shall be No. 2 grade Southern Yellow Pine and 10 inches in diameter. Piling shall be free of knots or splices, uniform in diameter and free of damage. All wood piles shall be treated in accordance with AWPA Standards U1-17 UC5C Marine Use Southern Waters. All piles which extend above the decking shall be capped with black 10 inch round cone polyethylene piling caps. Piling shall have grade marks branded into wood, not tagged. The piles shall be wrapped with 30 mil HDPE (high density polyethylene) heavy duty dock piling wrapping from the top of the mudline to the bottom of the pile cap as accepted by the Engineer and County. All wood piles shall have a minimum tip elevation indicated on the Drawings. The CONTRACTOR shall make whatever provisions are necessary to achieve the required embedment of piles – subject to the following:

- i. Jetting of Piles: Jetting of piles will be permitted only to 2 feet above the final penetration.
- ii. Driving of Piles: At least the final 2 feet of the piles must be driven to achieve (a) the required penetration, and (b) a minimum bearing capacity of 2.5 tons for each pile – based on pile-driving hammer formula or table as accepted by the Engineer.
- iii. Surface Treatment: After piles have been driven, if cut off, all cut, and bored surfaces shall be treated in accordance with AWPA M4, Section 6.1.

Piles for Terminal Platform shall include a pile cap – subject to acceptance by the OWNER and ENGINEER.

10.3.5. Hardware: All nuts, bolts, washers, screws, and nails, shall be 316 Stainless Steel (SS). Wood posts shall be fastened to pile caps with 1/2" stainless steel bolts with ogee washers. Interior stringers shall be fastened to each pile cap with LTS18SS Simpson Strong Tie Stainless Steel Twist Straps as shown on the Drawings. Straps will be connected using spiral shank stainless steel nails as recommended by the manufacturer. Exterior stringers shall be fastened to piles using two equally spaced 1/2" diameter stainless steel lag bolts, nuts, and washers. Pile caps shall be connected using two equally spaced 1/2" diameter stainless steel bolts with ogee washers. Nails shall be driven flush with wood.

On the Terminal Platform, the CONTRACTOR shall provide and install twelve (12) cleats on the outside face of the Platform piles at 6" below the Guard Rail top plate – in locations identified by the OWNER and accepted by the ENGINEER. On the Shore Perpendicular Pier, at each Marginal Berthing, the CONTRACTOR shall provide and install two (2) cleats on the exterior stringer - in locations identified by the OWNER and accepted by the ENGINEER.

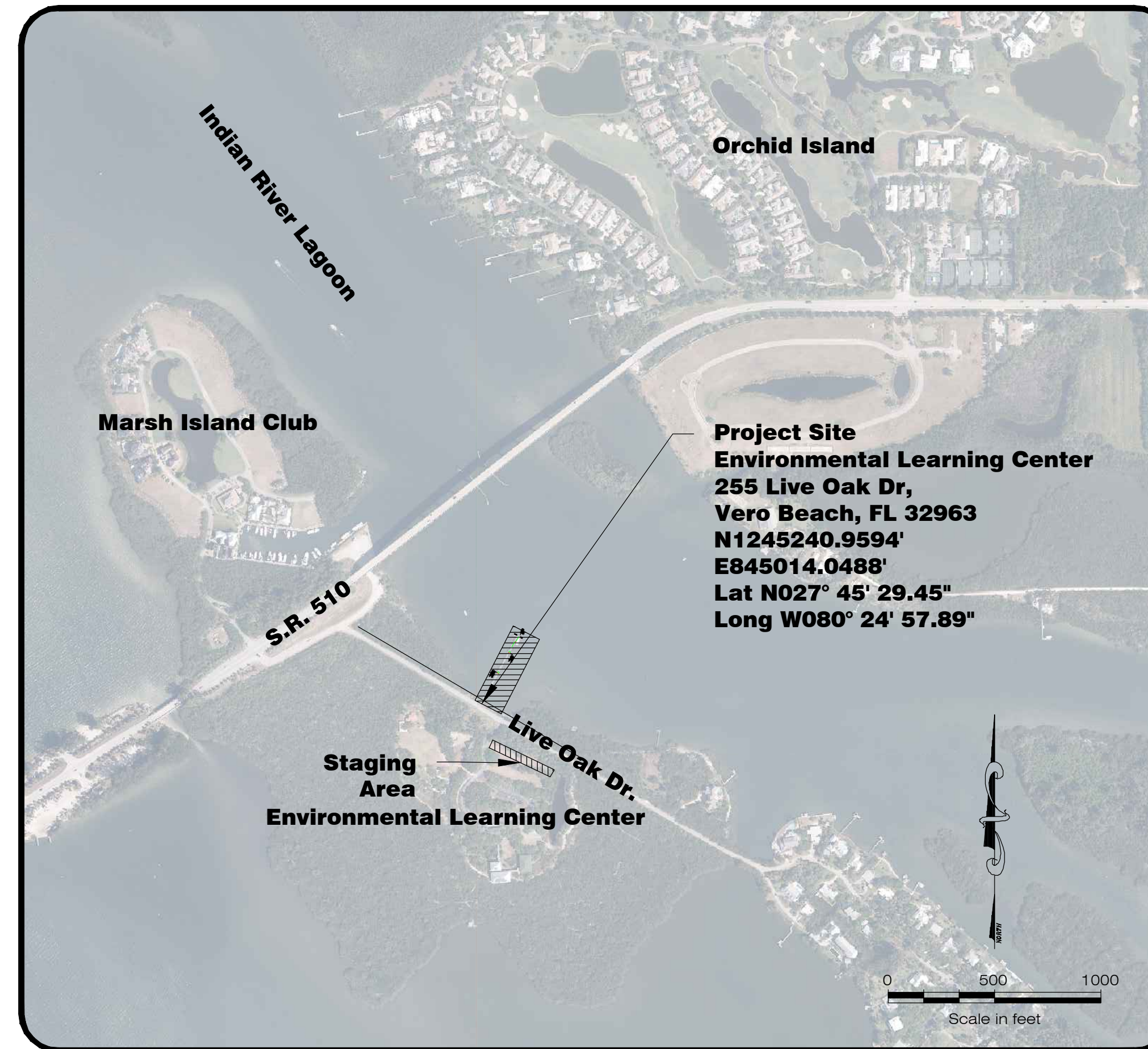
Cleats shall be 316 Stainless Steel 60-200 8" Open Base Cleat distributed by Schaefer Marine, Inc. or near equivalent as accepted by the OWNER and ENGINEER.

- 10.3.6. Vertical Boat Fenders: As shown on the Drawings, on the southwest face of the terminal platform, the CONTRACTOR shall provide and place two (2) Flexmaster Fenders - Item # FM-06B (as distributed by *Dock Builders Supply*) or comparable alternate as may be accepted by the ENGINEER and OWNER. For each 6-foot vertical fender, the CONTRACTOR shall provide and install a 4"X4"X6' Recycled Plastic Lumber (Item # FM-RPL-06-44) – for mounting of a Flexmaster Fender (Item # FM-06B) - attached to the proposed wood piles using three (3) ½ inch diameter 316 stainless steel bolts (at quarter-points) extending through the Plastic Lumber and wood pile with:
- the bottom of the fender at 6" above MHW;
 - the lowest bolt at 12" above MHW;
 - each bolt countersunk 3/8" on outside face of Plastic Lumber; and
 - nuts and washers on both bolt ends.
- 10.3.7. Fender Rails: At the Marginal Berths, the CONTRACTOR shall provide and install three 3x12 wood rails between the two adjacent piles surrounding each Guard Rail opening at the locations shown on the Drawings - subject to field verification and acceptance by the OWNER and ENGINEER. Each rail shall (a) extend across the two adjacent pile caps - about eleven feet and 1 inch, (≈11'1"), and (b) be pressure treated Southern Pine No. 2 grade - treated in accordance with AWWA Standards U1-17 UC5C Marine Use Southern Waters. The upper 3X12 fender is to be connected to the pile with (a) one ½" diameter stainless steel bolt through the fender and pile – with washers and nut, and (b) two #10 x 2-1/2" pan head stainless steel screws into each pile cap butt. The lower two 3X12 fenders are to be bolted to each pile with one ½" diameter bolt through a 9"X2" 316 Stainless Steel angle and pile. The angle shall be pre-drilled for bolt(s) and be (a) 6" long at fender ends with single hole through angle, and (b) 18" long at interior piles with hole at center for pile and holes at 3" from edge for bolted connections to fenders – or as otherwise may be accepted by the ENGINEER. All bolts and screws are to be countersunk 3/8" in the outside face of the fender.
- 10.3.8. Dock Ladder: The CONTRACTOR shall provide and install one dock ladder on the west side of the dock adjacent to the boat lift as shown on the Drawings. The dock ladder shall be a 5-step, straight, wide rung, aluminum ladder distributed by West Marine – or near equivalent as accepted by the ENGINEER and COUNTY.
- 10.3.9. Dock Lights: The CONTRACTOR shall provide and install Starlite Collection Low Voltage Deck Lights distributed by Lite the Nite (of Schaumburg, IL) with G4 3.0W Wafer distributed by Emery Allen (of Charleston, South Carolina) – or near equivalent as accepted by the ENGINEER and COUNTY – along the dock attached to the 4x4 posts. Lights shall be installed per the manufacturer's recommendation with two stainless steel screws. Dock lights shall be installed such that the perpendicular axis of the screw holes are perpendicular with the edge of the dock. The lights are to be placed at the center of every other 4x4 post - at roughly 8 feet on center.

- 10.3.10. Water Line: The CONTRACTOR shall provide and install 3/4" PVC pipe water line along the distance of the dock with three brass hose bibs as shown on the Drawings. Pipe shall be supported on the vertical sides of the dock stringers via stainless steel straps – subject to acceptance of the ENGINEER.
- 10.3.11. Electrical System: The CONTRACTOR shall design, provide, and install the electrical system to (a) replace the existing electrical system that includes power to the boat lift, and (b) a conduit and connectors for a future light to be installed at the outboard terminus of the dock. The CONTRACTOR's design shall be consistent with the National Electric Code and Florida Building Code and is subject to acceptance by the ENGINEER, COUNTY, and County Building Department. The electrical work is to be performed by a Florida certified electrical contractor. Conduits shall be supported as cited in 10.3.8.
- 10.3.12. Entrance Gate: The CONTRACTOR shall remove and replace the wood gate at the entrance to the dock as shown on the Drawings. All wood shall be nominal sizes as shown on the Drawings, dressed sizes shall be as published by the *National Design Specifications for Wood Construction*, Nominal and Minimum Dressed Sizes of Sawn Lumber. All wood for the replacement entrance gate shall be pressure treated Southern Pine No. 1 grade except 1x6 planks shall be Lumberrock™ 1x6 deck board. All wood shall be treated in accordance with AWPA Standards U1-17 UC4B Ground Contact Heavy Duty. All wood shall be free of knots, boreholes, decay, or any other damage. Each piece of lumber shall be identified by the grade and treatment mark of a recognized organization approved by the Southern Pine Inspection Bureau (SPIB) *Standard Grading Rules for Southern Pine*. All exposed edges shall be sanded smooth to remove any sharp edges and splinters.
- 10.4. Site Restoration: All costs connected with restoration of the construction site are to be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 5. Any existing structures must be restored to the pre-construction conditions or better as approved by the ENGINEER; the CONTRACTOR shall restore all pavement, sidewalks, landscaping, and other areas disturbed by the CONTRACTOR as a result of construction activities, unless otherwise accepted by the ENGINEER.
- 10.5. Maintenance of Traffic: The CONTRACTOR shall provide for Maintenance of Traffic as identified in Section 102 of the Division 2 Technical Provisions. All costs connected with Maintenance of Traffic shall be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 6.

Replacement Pontoon Boat Dock at the Environmental Learning Center Indian River County, Florida for Indian River County

Sheet List Table	
Sheet Number	Sheet Title
C1.0	Cover Sheet with Location Map
C2.0	Existing Conditions
C3.0	Site Plan
C4.0	Seagrass Survey
C5.0	Details



LOCATION MAP

GENERAL NOTES

1. The Project (the work) as shown on these Drawings and as specified in the Technical Specifications entails:
 - (a) removal of the existing Pontoon Boat Dock, and
 - (b) new dock construction with water and electric service, and entrance gate.
2. All work shall conform to Florida DEP authorizations to be provided by Indian River County. The Contractor who performs the work shall:
 - (a) obtain a local building permit from the County, and
 - (b) comply with all terms of the permits as pertaining to performance of the work.
3. Prior to construction, the Contractor shall meet with the Engineer or the Engineer's designee to:
 - (a) review the Project details,
 - (b) establish construction access locations and upland construction staging areas on site as may be proposed by the Contractor, and
 - (c) document pre-construction conditions of the site.
4. Existing pile locations – as shown on Sheet 2 of 4 - are approximate based on observations and representative measurements by Coastal Tech dated 08/16/2021. Seagrass Survey & approximate bottom elevation from a seagrass survey by David Cox Consulting, LLC dated July 26, 2017. Edge of pavement location and elevation from a survey by Indian River Survey Inc. titled "Environmental Learning Center Wabasso Island Indian River County" dated 03/08/2017.
5. Aerial is from Florida Department of Transportation and dated March 22, 2018.



COASTAL • ENVIRONMENTAL • CIVIL ENGINEERING AND PLANNING
 Certificate of Authorization Number: 06004195
 3625 20th Street, Vero Beach, FL 32960 (772) 562-8680

DATE
 CHARLES T. FONTAINE III, P.E.
 FLORIDA P.E. LICENSE NUMBER 73042

Cover Sheet with Location Map
 Replacement Pontoon Boat Dock at the Environmental Learning Center
 Indian River County, Florida
 for
 Indian River County

Rev.	Date	Notes
1	2023-01-20	Revised sheet index
Drafted: AON Date Drawn: 06/23/2022 Checked By: MPW Project No: 1029101_001		

Seagrass Survey



Figure 1. ELC Seagrass Survey
Main Dock

Environmental Learning Center
255 Live Oak Drive
Vero Beach, FL 32963

File No. TBD
T31S - R39E -S27

David Cox Consulting, LLC
2044 14th Avenue, Ste.24
Vero Beach, FL 32960



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Certificate of Authorization Number: 0604195
3625 20th Street, Vero Beach, FL 32960 (772) 562-8680

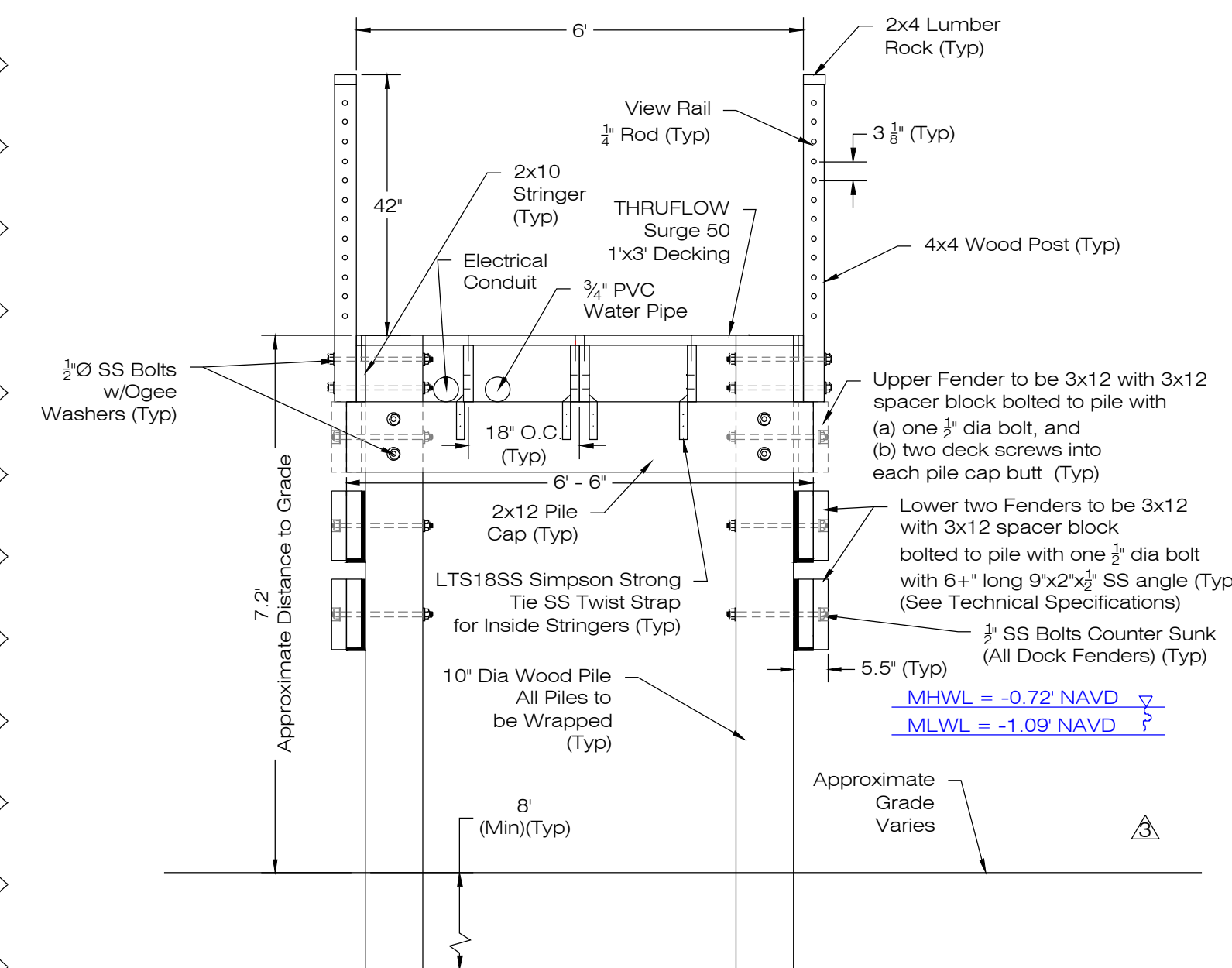
CHARLES T. FONTAINE III, P.E. DATE
FLORIDA P.E. LICENSE NUMBER 73042

Seagrass Survey

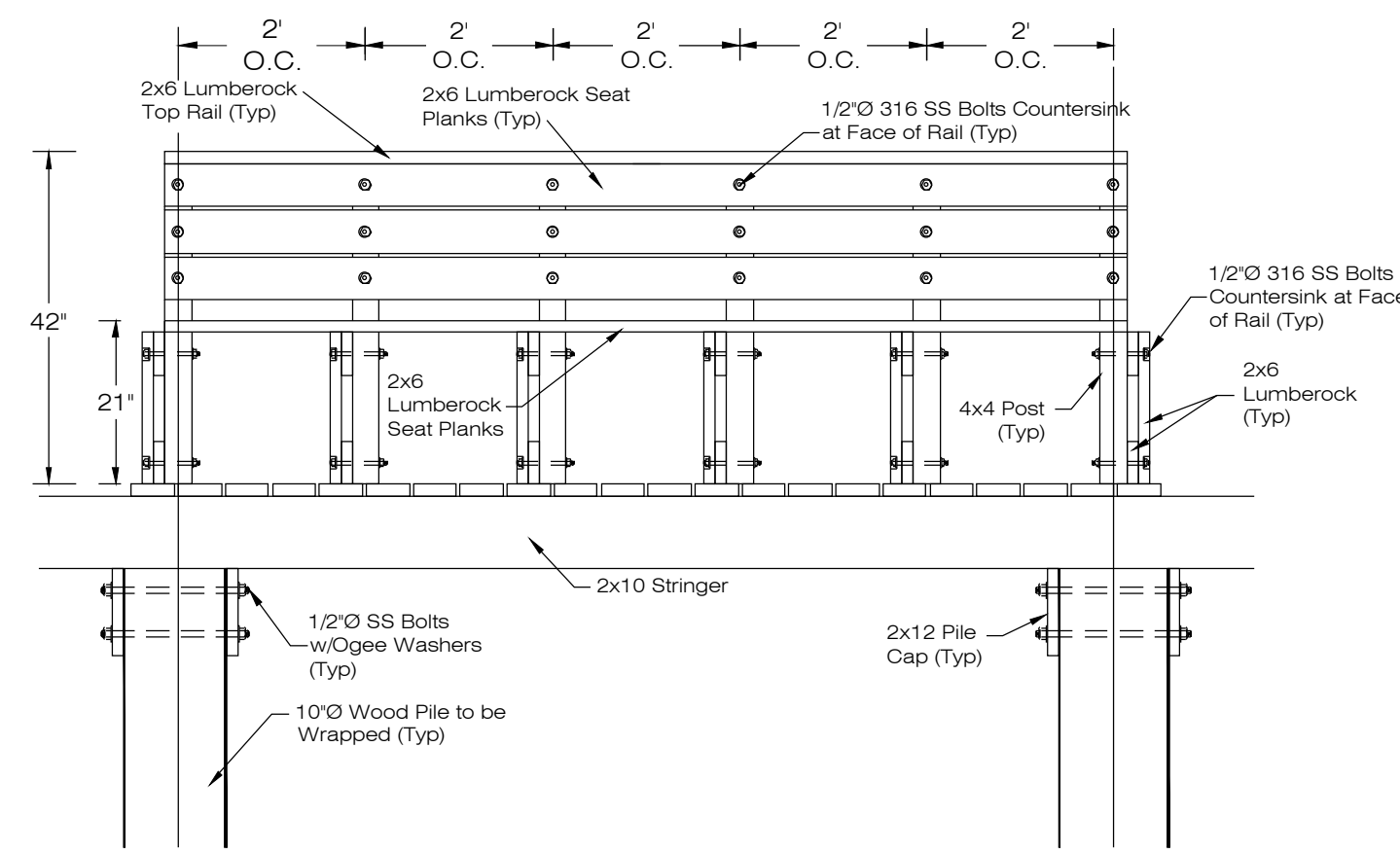
Replacement Pontoon Boat Dock at the Environmental Learning Center
Indian River County, Florida
for
Indian River County

Rev.	Date	Notes
1	2025-01-20	Insert details & increase size of plan view
Drafter: AON Date Drawn: 06/23/2022 Checked By: MPW Project No: 1029101_001		

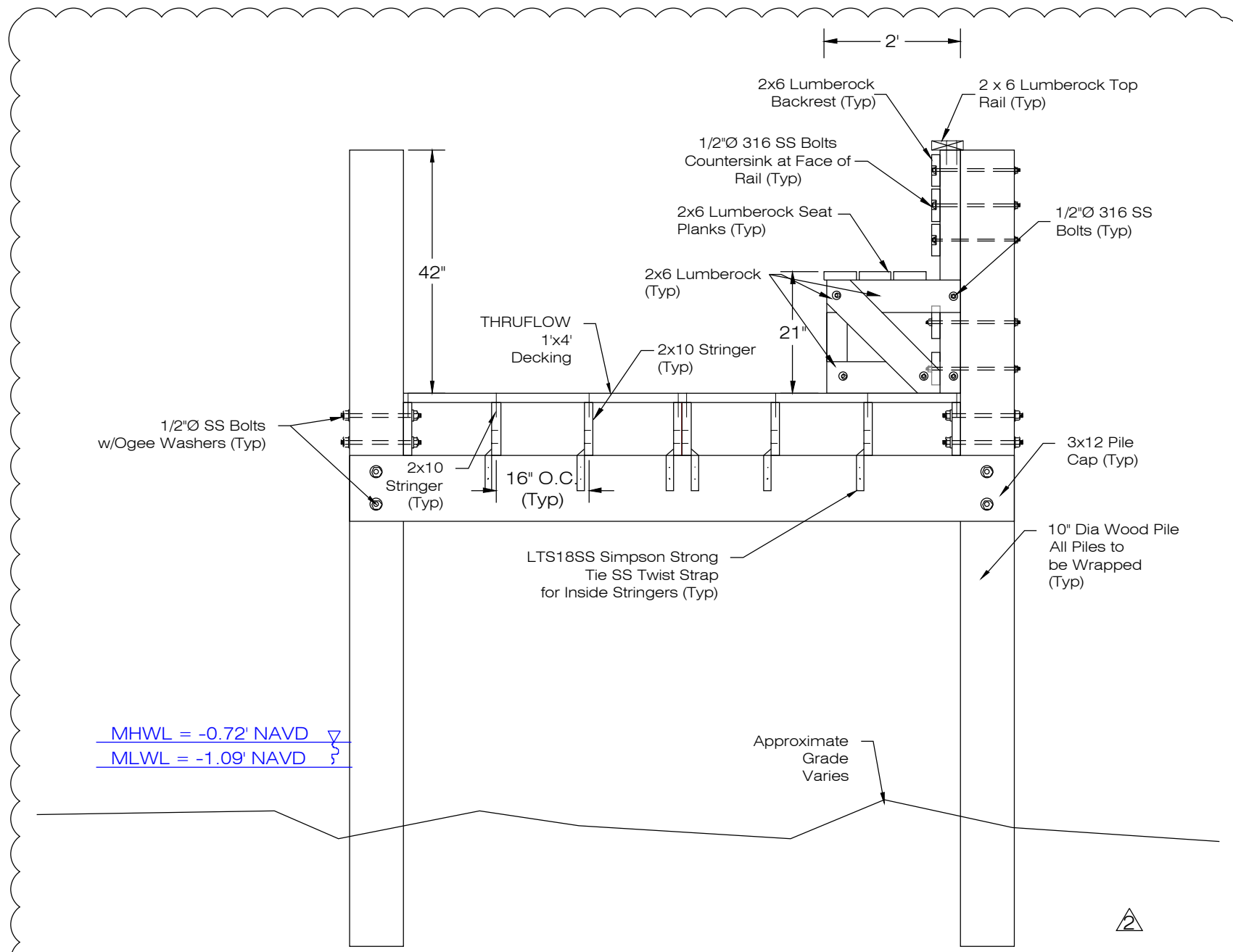
Shore Perpendicular Typical Cross-Section



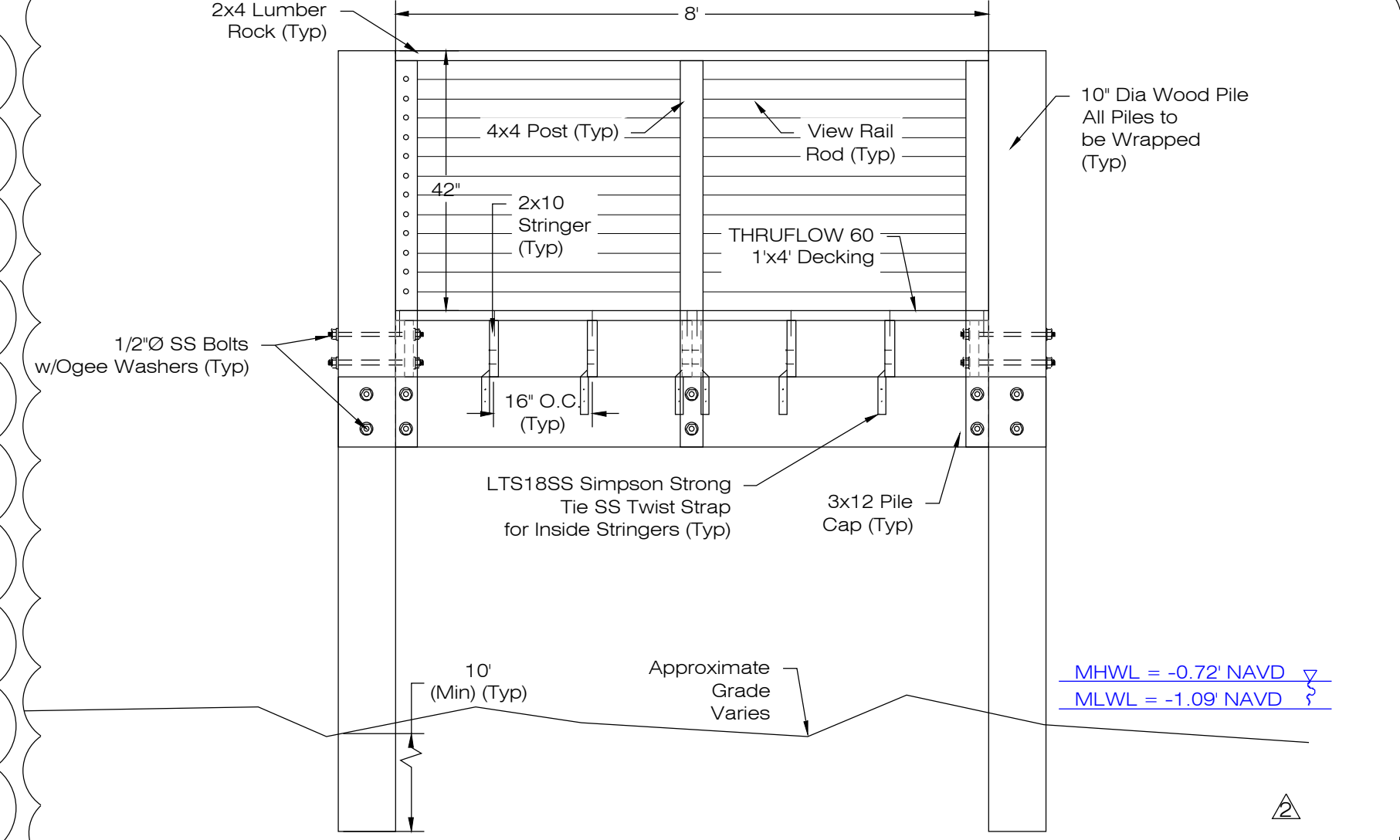
Typical Bench Elevation Detail



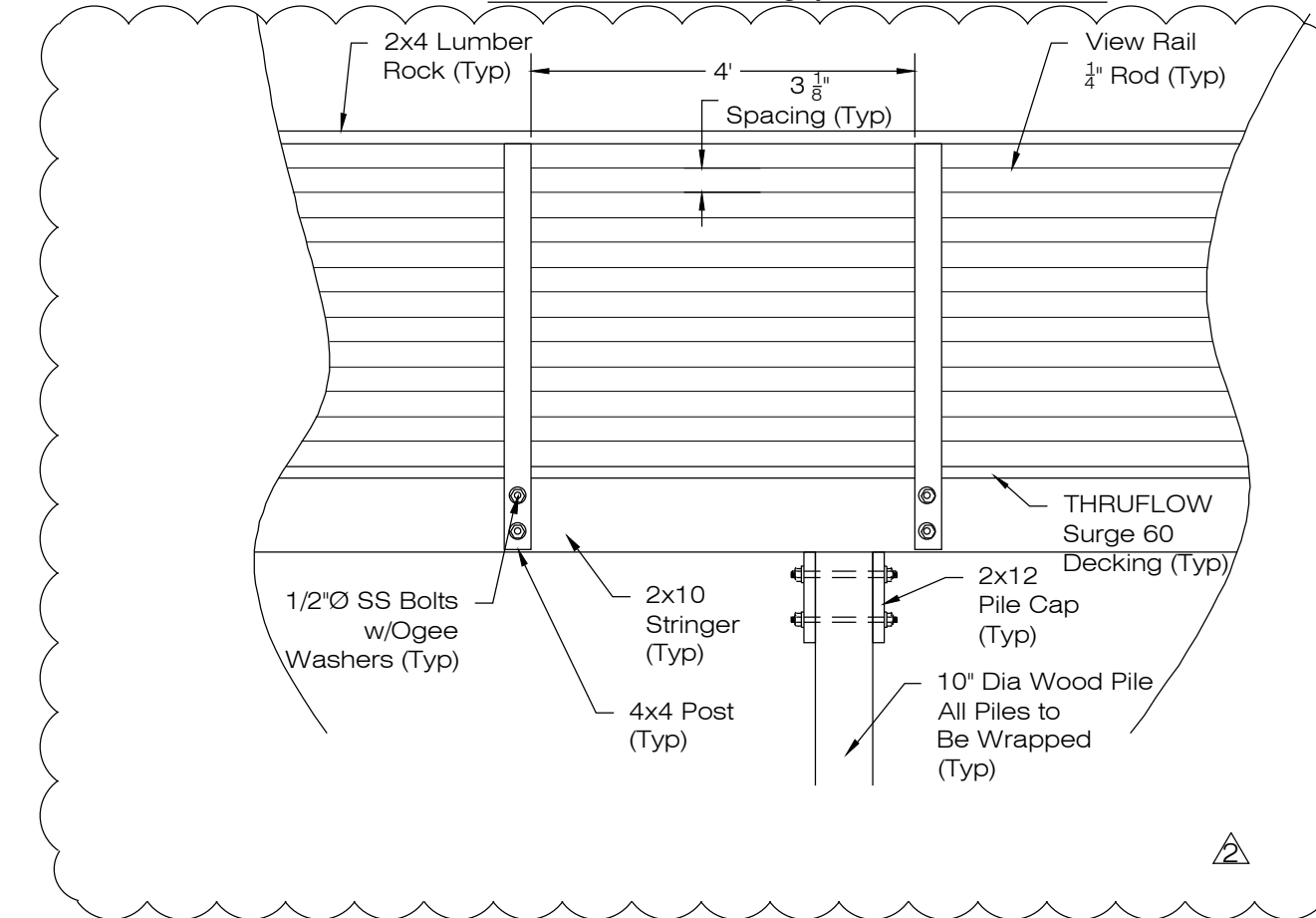
Typical Bench Section Detail



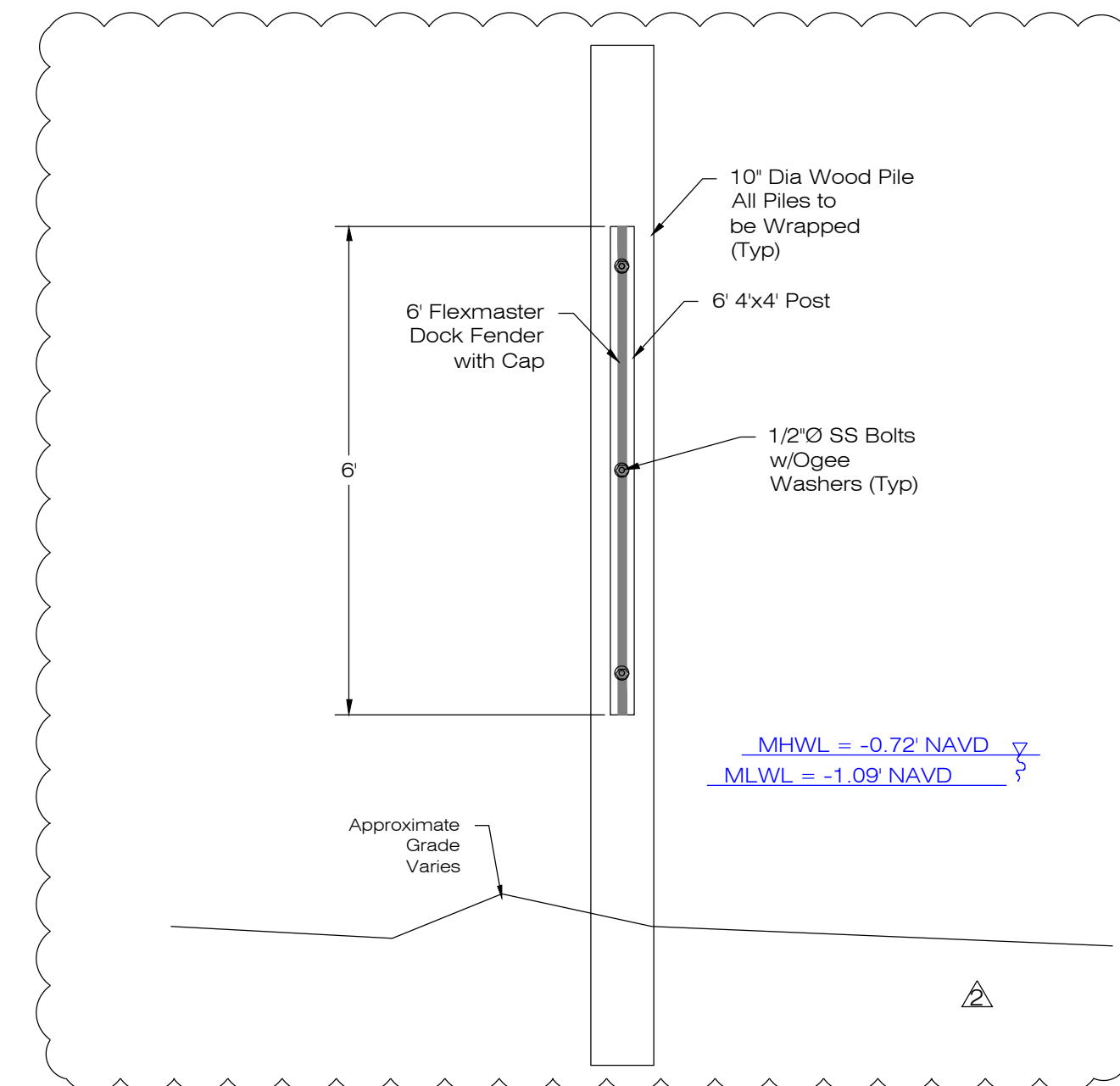
Terminal Platform Typical Cross-Section



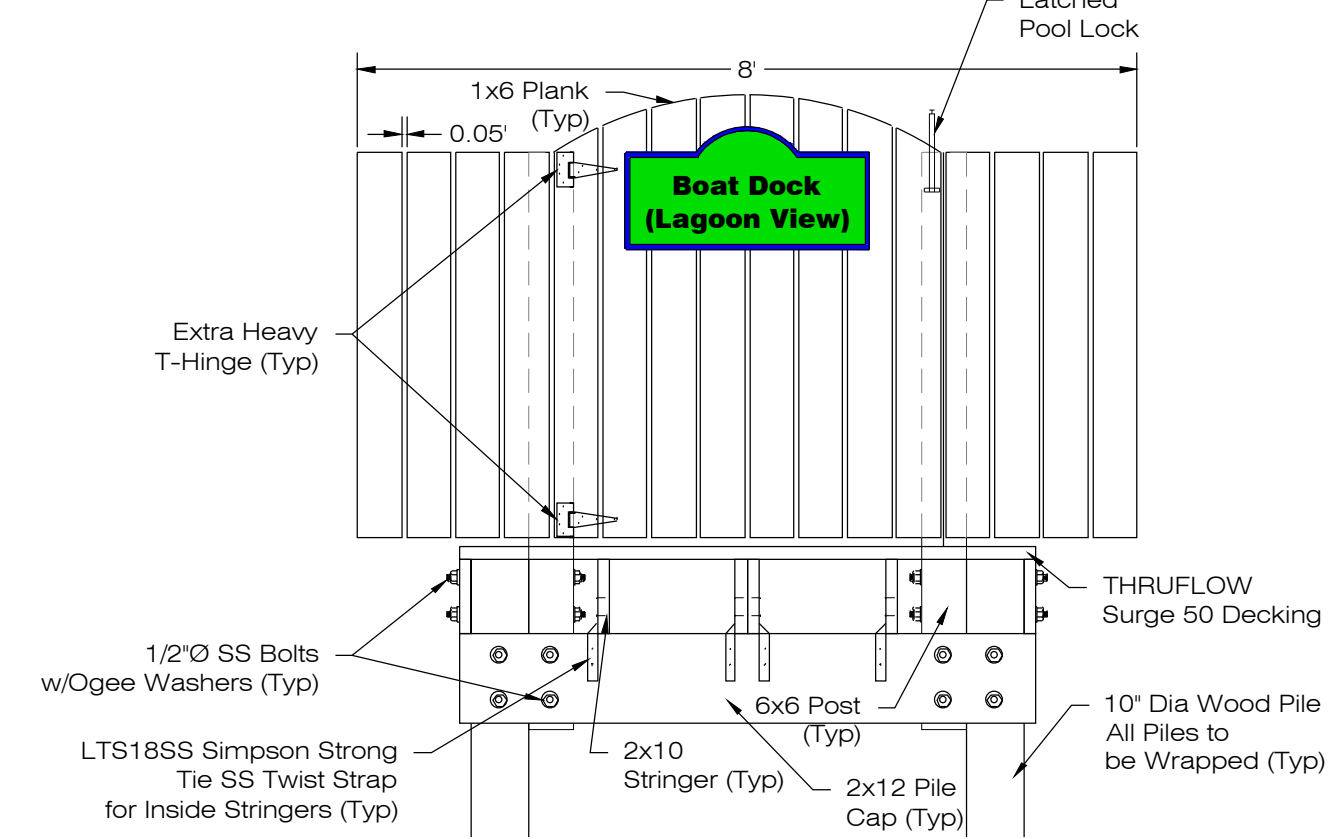
Guardrail Typical Detail



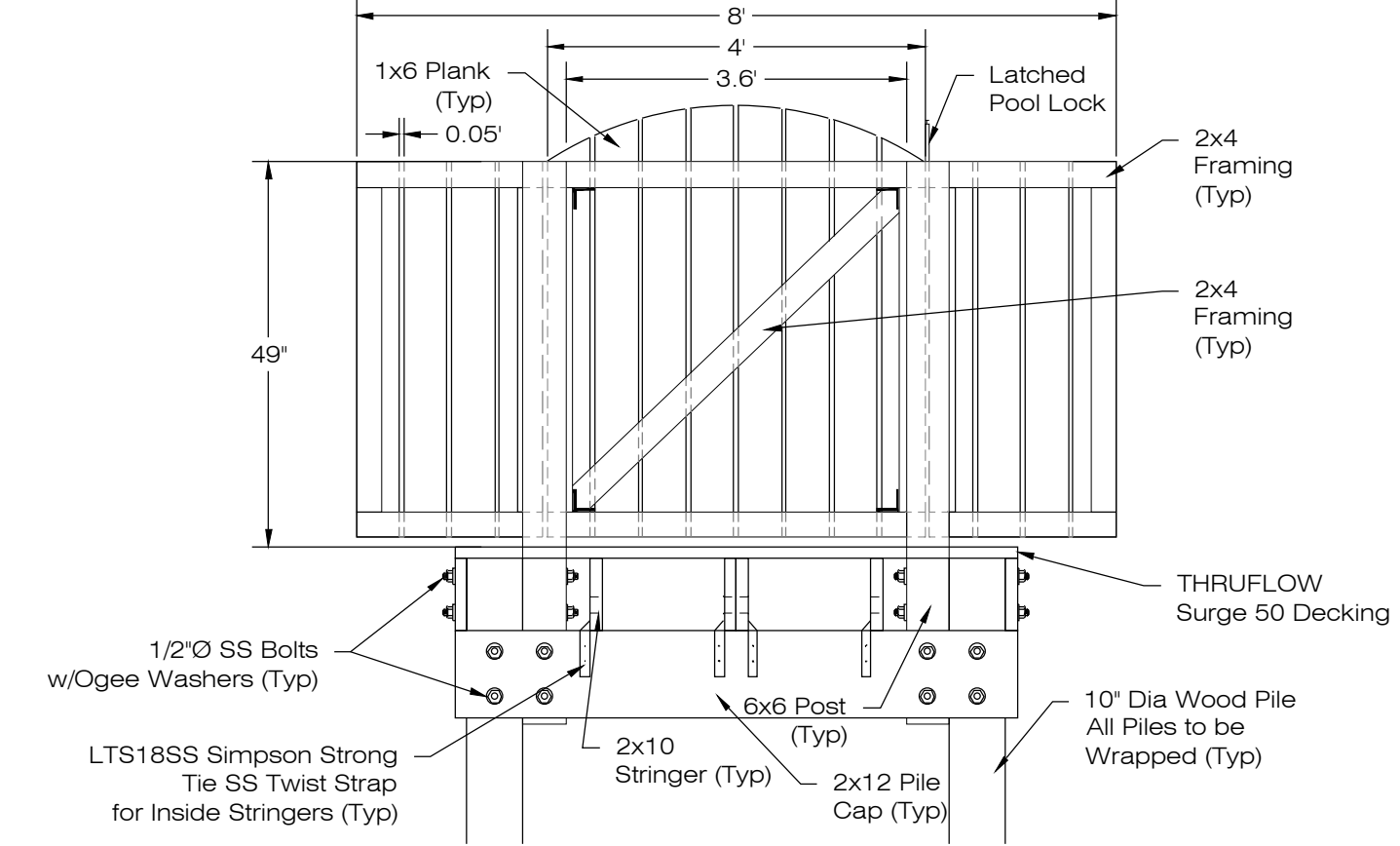
Dock Fender with Cap Typical Detail



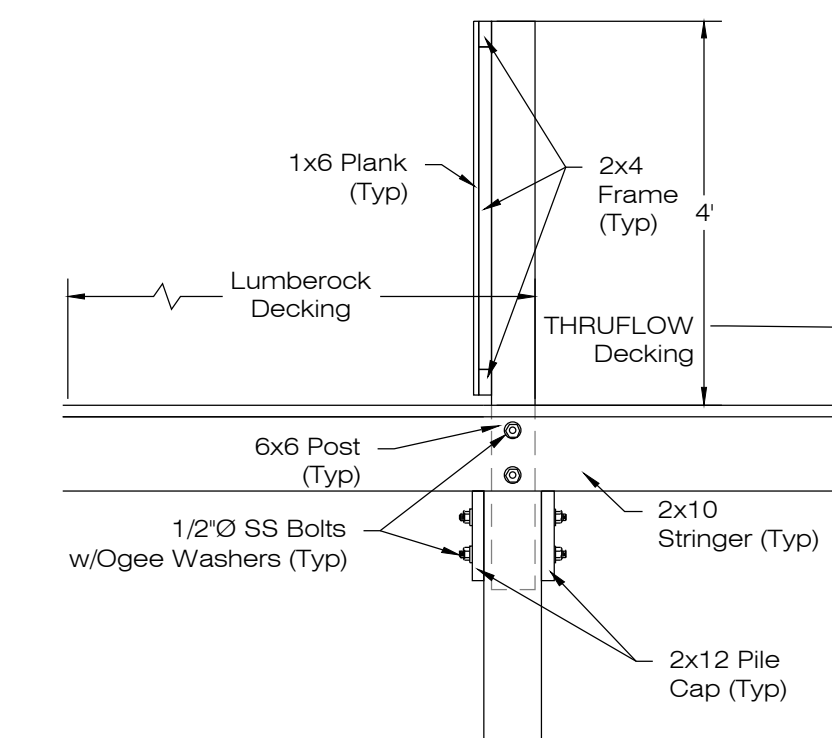
Front Gate Detail Looking East



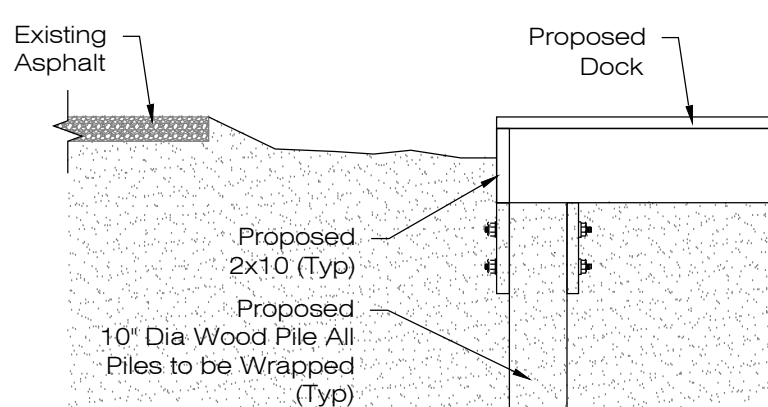
Rear Gate Detail Looking West



Gate Cross-Section Detail



Landward Dock Commencement Detail



Details

Replacement Pontoon Boat Dock at the Environmental Learning Center
 Indian River County, Florida
 for
 Indian River County

Rev.	Date	Notes
1	2025-01-20	Notes sheet and dock fender details
2	2025-05-02	Revised Typical Details
3	2025-05-10	Revised Shore Perpendicular Typical Cross-Section

Drafter: AON Date Drawn: 06/23/2022
 Checked By: MPW
 Project No: 1029101_001