

DUNES CLUB #1 PUMP STATION

Bid #19 80023

DDC Engineers Inc.

From: Eric Sanford

ADDENDUM NO. 1 - August 29, 2018

This Addendum forms a part of the Bidding Documents and modifies the original Bidding Documents, dated August 2018, Bid Date Tuesday, September 11, 2018 at 11:00pm.

Acknowledge receipt of this Addendum in the space provided on the PROPOSAL. Failure to do so may subject Bidder to disqualification.

The following items clarify, modify, change, delete from or add to the Bidding Documents. When any paragraph, subparagraph, or sub-subparagraph, thereof is modified or deleted by this Addendum, the unaltered provisions of that paragraph, subparagraph, or sub-subparagraph shall remain in effect. When any portion of a drawing is modified or deleted, the unaltered provisions of that drawing shall remain in effect.

- 1.0 Please add the "Local Vendor Preference form" to the bid and specification package book that you received on the project. The current two-page document is missing from the bid and specification package book.
- 2.0 Please replace specification Section 323120 - Ornamental Steel Fences and Gates with specification "Section 323124 - Commercial Aluminum Ornamental Fence System". (See Attachment)
- 3.0 In the bid and specification package under Section 00300 - Bid Proposal, Page 00300-11 Item #12, shall read "Supply and install new control panel" instead of install existing control panel. Please replace. The City of Myrtle Beach has decided to replace the existing control panel on-site with a new control panel. The contractor shall furnish and install the control panel for the project.
- 4.0 In the bid and specification package under Section 00300 - Bid Proposal, Page 00300-12 Item #38, shall read "5' High Black Aluminum Fence" (instead) of 5' High Black Wrought Iron Fence. Please replace the description for Item #38 as listed above.
- 5.0 In the bid and specification package under Section 00300 - Bid Proposal, Page 00300-12 Item #39, shall read "5' High 8' Long Black Aluminum Fence Gate (two [2] 4' gates)" (instead) of 5' High 8' Long Black Iron Fence. Please replace the description for Item #39 as listed above.

END OF ADDENDUM ONE



First in Service

**CITY OF MYRTLE BEACH
LOCAL VENDOR PREFERENCE
TO QUALIFY FOR LOCAL PREFERENCE
FORM MUST BE SUBMITTED WITH BID**

APPLICATION OF ELIGIBILITY TO QUALIFY FOR LOCAL VENDOR PREFERENCE WITHIN THE DEFINED BOUNDARIES: MYRTLE BEACH CITY LIMITS, HORRY COUNTY, NESAS AREA (NESAS area is comprised of Horry, Georgetown, Williamsburg, Florence, Marion, Darlington, Dillon, Chesterfield, and Marlboro Counties).

City of Myrtle Beach Business License: (To qualify for Local Vendor Preference vendor must have had a City of Myrtle Beach Business License a minimum of ninety (90) days prior to the request for bid/ proposal being made public)

City of MB Business License Number: _____ Date issued: _____

Complete all areas below. Incomplete forms may be rejected.

1. LEGAL NAME OF BUSINESS: _____

Mailing Address: _____

Physical Address: _____

(To qualify vendor must have maintained a physical address and office as a principal place of business within the defined boundaries of the category sought for at least one (1) year, and during that time have had a majority of full-time employees, chief officers and managers regularly conducting work and business from this office.)

2. Year business was established in the City of Myrtle Beach / Horry County / NESAS area:

Year: _____ County: _____
(Name of County)

Under penalty of perjury, the undersigned states that the foregoing statements are true and correct. The undersigned also acknowledges that any person, firm, corporation or entity intentionally submitting false information to the City in an attempt to qualify for local preference shall be prohibited from bidding on City of Myrtle Beach products and services for a period of one (1) year.

Authorized Signature: _____ Date: _____

Printed Name & Title: _____ Phone: _____

LOCAL VENDOR PREFERENCE continued

<u>Bid Amount</u>	<u>Within City Limits</u>	<u>Within Horry County</u>	<u>Within NESAs Area</u>
Up to \$5000.00	5% of Bid	4% of Bid	3% of Bid
\$5001.00 to \$10,000.00	\$250.00 plus 4% of amount between \$5001.00 and \$10,000.00	\$200.00 plus 3% of amount between \$5001.00 and \$10,000.00	\$150.00 plus 2% of amount between \$5001.00 and \$10,000.00
\$10,001.00 and up	\$450.00 plus 3% of amount above \$10,000.00 with the maximum being \$2000.00, including the \$450.00	\$400.00 plus 2% of amount above \$10,000.00 with the maximum being \$1800.00, including the \$400.00	\$300.00 plus 1% of amount above \$10,000.00 with the maximum being \$1600.00, including the \$300.00

If company/individual performs services on City property a Certificate of Insurance **must be** provided prior to commencement of work meeting requirements of the City.

The vendor must submit a copy of their Local Vendor Preference Certificate with their bid.

An eligible business shall maintain such status throughout the term of any contract with the City. Failure to maintain such status or to keep current on all fees and taxes owed the City shall be grounds to terminate the contract.

SECTION 323124- COMMERCIAL - ALUMINUM ORNAMENTAL FENCE SYSTEM

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. The contractor shall provide all labor, materials and all necessary items for the installation of the Shapes Unlimited, Inc. Commercial Ornamental Aluminum Fence System or approved equal defined herein at (Dunes Club #1 Pump Station).

1.2 RELATED WORK

- A. Section 312333 – Trenching, Backfill and Compaction.
- B. Section 03250 – Cast-In-Place Concrete.

1.3 SYSTEM DESCRIPTION

- A. The manufacturer shall supply a total ornamental aluminum fencing system of the Shapes Unlimited Inc. design or approved equal. The system shall include all components (i.e., pickets, posts, rails, gates and hardware) required or approved equal.

1.4 QUALITY ASSURANCE

- A. The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and the materials specified.

1.5 REFERENCES

- A. ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- B. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
- C. ASTM D523 - Test Method for Specular Gloss.
- D. ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
- E. ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- F. ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- G. ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- H. ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.
- I. AAMA 2603 - Voluntary Specification, Performance Requirements & Test Procedures for Pigmented organic Coatings on Aluminum Extrusions and Panels.

1.6 SUBMITTAL

- A. The manufacturer's submittal package shall be submitted prior to installation to confirm compliance with all requirements for materials specified in this section.

1.7 PRODUCT HANDLING AND STORAGE

- A. Upon receipt at the job site, all materials shall be checked to ensure that no damages occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage and to protect against damage, weather, vandalism and theft.

PART 2 - MATERIALS

2.1 MANUFACTURER

- A. The ornamental fence system shall conform to Shapes Unlimited, Inc. aluminum ornamental fencing, (Chicago) 3-rail style manufactured by Shapes Unlimited, Inc. or approved equal.

2.2 MATERIAL

- A. Aluminum material for fence framework (i.e., tubular pickets, rails and posts) shall conform to the requirements of ASTM B221. The aluminum extrusions for posts and rails shall be Alloy and Temper Designation 6005-T5. The aluminum extrusions for pickets shall be Alloy and Temper Designation 6063-T6.
- B. Pickets shall be 5/8" square x .050" thick. Horizontal rails shall be 1" x 1-1/8" Forerunner™ channel with .055" thick top & internal web wall, and .072" thick side walls and shall be punched to allow picket to pass through the top of the rail. The Forerunner rail shall be constructed with an internal web insert providing a raceway for the pickets to be retained with a 1/8" retaining rod. Fence posts and gate posts shall meet the minimum size requirements of Table 1.
- C. Accessories: Aluminum castings shall be used for all post caps, scrolls, finials, and other miscellaneous hardware. Hinges and latches shall be fabricated from aluminum, stainless steel or composite materials.

2.3 FABRICATION

- A. Pickets, rails and posts shall be pre-cut to specified lengths. ForeRunner rails shall be pre-punched to accept pickets. Grommets shall be inserted into the pre-punched holes in the rails and pickets shall be inserted through the grommets so that pre-drilled picket holes align with the internal upper raceway of the ForeRunner rails (Note: This can best be accomplished by using an alignment template). Retaining rods shall be inserted into each ForeRunner rail so that they pass through the pre-drilled holes in each picket, thus completing the panel assembly. Panels to be preassemble by manufacturer.
- B. The manufactured framework shall be subjected to the thermal stratification coating process (high-temperature, in-line, multi-stage, and multi-layer) including, as a minimum, a six-stage pretreatment/wash and an electrostatic spray application of a polyester finish. The topcoat shall be a "no-mar" TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be (Black). The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2.

- C. Swing gates shall be fabricated using Shapes Unlimited, Inc. rail material, 1.25" sq. x .125" gate ends, and 5/8" sq. x .050 pickets. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding.

PART 3 - EXECUTION

3.1 PREPARATION

- A. All new installation shall be laid out by the contractor in accordance with the construction plans.

3.2 FENCE INSTALLATION

- A. Fence post shall be spaced according to Table 3. For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence panel rails shall be inserted into punched posts and affixed with fasteners. Posts shall be set in concrete footers per manufacturers recommended (Note: In some cases, local restrictions of freezing weather conditions may require a greater depth). The "Earthwork" and "Concrete" sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

3.3 FENCE INSTALLATION MAINTENANCE

- A. When cutting/drilling rails or posts adhere to the following steps to seal the exposed surfaces; 1) Remove all metal shavings from cut area. 2) Apply custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1 & 2 above will negate warranty. Spray cans from Shapes or paint pens shall be used to finish exposed surfaces; it is recommended that paint pens be used to prevent overspray.

3.4 GATE INSTALLATION

- A. Gate posts shall be spaced according to the manufacturers' gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application; weight, height, and number of gate cycles. The manufacturers' gate drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacture of the gate and shall be installed per manufacturer's recommendations.

3.5 CLEANING

- A. The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

Table 1 – Minimum Sizes for Shapes Posts	
Fence Posts	Panel Height
2" x 2" x .060"	5' Height
Gate Leaf	Gate Height
5'	2" x 2" x .125" Alum.

Table 2 – Coating Performance Requirements		
Quality Characteristics	ASTM Test Method	Performance Requirements
Adhesion	D3359 – Method B	Adhesion (Retention of Coating) over 90% of test area (Tape and knife test).
Corrosion Resistance	B117 & D1654	Corrosion Resistance over 1000 hours (Scribed per D1654; failure mode is accumulation of 1/8" coating loss from scribe or medium #8 blisters).
Impact Resistance	D2794	Impact Resistance over 60 inch lb. (Forward impact using 0.625" ball).
Weathering Resistance	D822, D2244, D523 (60° Method)	Weathering Resistance over 1,000 hours (Failure mode is 60% loss of gloss or color variance of more than 3 delta-E color units).

Table 3 – Shapes – Post Spacing (punched posts)	
Span	
Post Size	2"
Post Settings	72" o.c.
*Note: When using swivel brackets on either or both ends of a panel installation, care must be taken to ensure the spacing between post and adjoining pickets meets applicable codes. This will require trimming one or both ends of the panel.	

END OF DOCUMENT 323124