



SCOPE OF WORK

Pump Out on Pier O

I. SCOPE:

- A. This project consists of the **CONTRACTOR** providing all labor, material, equipment, insurance and services necessary to remove and install a vacuum pump out at Somers Cove Marina, Crisfield, Somerset County, Maryland. The **CONTRACTOR** will be responsible for any and all permits and inspections required by Somerset County and the State of Maryland.
- B. The project site is located in an active public marina. The **CONTRACTOR** shall be fully responsible for the coordination of a work schedule with the **Somers Cove Marina Commission Executive Director** and the **Project Manager**.
- C. The project shall consist of the following removal, materials and installation:

1. REMOVAL

The **CONTRACTOR** shall be fully responsible for removal and disposal existing pump out, wiring, fittings, and hardware necessary to complete this project. The **CONTRACTOR** is responsible for removal and disposal of existing conduit under the pier. **Before removing from the Marina premises any materials, wiring, fittings, pedestals, hardware, lumber, or concrete detached by the CONTRACTOR, The CONTRACTOR shall first offer any such materials, free of charge, to the SOMERS COVE MARINA COMMISSION.**

2. MATERIALS

Pump-out Equipment shall be sized to meet the following Site Conditions:

- a. **SUCTION HEAD:** Shall be eight vertical feet as measured from the tip of the pump-outs' hose nozzle to the base of the pump-out unit.
- b. **DISCHARGE HEAD:** Pump-out shall discharge through a 2" diameter, schedule 40, PVC piping. The discharge head shall simulate a 10' vertical rise and an approximate 400 feet horizontal run using minimal 90-degree bends and a ball valve. Distance is as measured from the base of the pump-out unit to the invert of the discharge line.

- c. **VACUUM PUMP** - Standard off-the-shelf material and construction typical for each manufacturers model submitted with a minimum 70 gpm.
- d. **MOTOR** - The motor shall be totally enclosed, 1 phase, of standard off- the- shelf material and construction typical for each manufacturers model submitted.
- e. **CONTROLS** - Vacuum systems intended to be operated by the general boating public (ie. no attendant) shall be controlled by: (a) An ON-Off push button with a 10 minute automatic shut-off timer. The automatic timer shall be preset at 5 minutes. The switches shall be labeled ON and OFF in the appropriate positions.
- f. **ENCLOSURE** - The enclosure shall be the standard off-the-shelf material and construction typical for each manufacturers model submitted.
- g. **FRAME** - The frame shall be made of standard off-the-shelf material and construction typical for each manufacturers model submitted.
- h. **HOSE HANGER** - An external hose hanger shall be provided. The hanger may be an integral part of the enclosure or bolted securely to the enclosure. The hose hanger shall be able to hold 30 feet of 1 1/2 inch diameter suction hose. The hose hanger shall be standard off- the- shelf material and construction typical for each manufacturers model submitted.
- i. **PUMP-OUT HOSE** - The pump-out hose shall be of 1 1/2 inch nominal inside diameter, minimum 25 - 30 feet in length (standard length as typically supplied by manufacturer that meets minimum requirement), reinforced flexible hose. The hose shall be able to withstand a full vacuum of 29 inches of mercury, a maximum working pressure of 20 psi, and an operating temperature range of -40 degrees F to 140 degrees The hose shall have a smooth interior to prevent the collection of solids and be non-kinking, collapse proof and flexible. The hose shall have excellent ozone, UV, sewage, seawater, and petroleum resistance. The pump-out hose shall be equipped with a heavy-duty vandal resistant nozzle assembly. The assembly shall include the following: hose adapter, cam action coupling, ball valve, universal suction nozzle, and a clear plastic site tube.
- j. **HOOR METER** - The pump-out station shall be equipped with an hour meter to record accumulative usage. Minimum capacity of the hour meter shall be 9,999.9 hours. The hour meter shall be readable without removal of the enclosure.

3. INSTALLATION

- a. A minimum of 2" diameter, schedule 40, PVC piping shall be installed in excess of 400 feet, with minimal 90 degree bends, the length of Pier O, and connect to the public sewer system located at the Bath house.
 - b. Unit shall be installed at the same location the previous unit was removed, on Pier O, on the right side of the T-Head, between Slip #1 and #3.
 - c. Follow manufacturer instructions as a proper guide covering installation practices and SOBA (States Organization for Boating) recommendations for testing.
- E. If the **Project Manager** deems any of the material to be insufficient, the material will be replaced by the **CONTRACTOR**. The **CONTRACTOR** will be responsible for the cost of removal and replacement of the material.
- F. **CONTRACTOR** will coordinate with the **Project Manager** the dates and times of the electricity shut off and re-start after the project begin date.
- G. **CONTRACTOR** will be responsible to contact Miss Utility, if needed, for approval and will provide the **Project Manager** with a copy of the findings before digging. The **CONTRACTOR** is responsible for any and all costs occurred.
- H. **CONTRACTOR** will be responsible to ensure safety of marina patrons and employees in and around project areas for the extent of the contract. All precautions should be taken to ensure areas are inaccessible after hours.
- I. **CONTRACTOR** will provide a list of parts and equipment, to include make and model numbers, with their bid.
- J. **CONTRACTOR** must carry sufficient insurance to cover potential issues, including liability, workmen's compensation, etc.

NOTE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXACT MEASUREMENTS AND PART LIST FOR BID PURPOSES.

II. BIDDER QUALIFICATIONS:

- A. Bidder must have at least five (5) years of successful contracting experiences in the type of work involved in this project, and must have successfully performed work similar in scope to the work proposed in this project.
- B. Bid Company shall have been in business for a minimum of five (5) years and shall not have been declared in default on any electrical contract within that time.

- D. Bidder's **Project Manager** shall be a full-time benefitted employee of the Bidder and have at least five (5) years electrical experience which shall include at least three (3) years experience as a **Project Manager** of similar scope and complexity of this project.
- E. The **CONTRACTOR** shall be licensed in the State of Maryland with a Maryland / Somerset County.
- F. With the proposal, the **CONTRACTOR** shall provide copies of the **CONTRACTOR'S** current Worker's Compensation Insurance and Liability Insurance of at least One Million Dollars of coverage.
- G. Upon request, the **CONTRACTOR** shall supply to the **Project Manager** a list of at least three (3) similar projects which have been successfully completed by the **CONTRACTOR**.

III. SITE INSPECTION:

- A. Coordinate any site visits with the **Project Manager** at 410-968-0925.

IV. SCHEDULE OF WORK:

- A. The **CONTRACTOR** shall submit to the **Project Manager** three (3) copies of specs and drawings of the proposed equipment for the project before purchasing the equipment.
- B. Work shall be scheduled through and approved by the **Marina Manager**. The **CONTRACTOR** shall perform all work Monday through Saturday during the normal working hours of 7:00 am to 5:00 pm. Exceptions must be approved by the **Marina Manager** prior to beginning work.
- C. **CONTRACTOR** will supply a schedule of work, including: a time line showing percentage of construction completed.
- D. The **CONTRACTOR** shall notify the **Marina Manager** seven (7) days prior to his start of work and shall coordinate with the **Marina Manager** the dates of the work and any closures required.
- E. Use of the premises by the **CONTRACTOR** is to be limited to specified work areas and approved storage areas.
- F. The **CONTRACTOR** shall complete all work and attain project acceptance by the **Project Manager**.

V. METHOD OF WORK:

- A. The **CONTRACTOR** shall complete all project requirements to the full satisfaction of the

Project Manager and Marina Manager and all inspection agencies and applicable jurisdictions for the lump sum bid price at no additional cost to the State or **Somers Cove Marina Commission**.

- B. The **CONTRACTOR** shall make arrangements and coordinate with the **Project Manager or Marina Manager** for delivering and unloading all equipment and materials at the job site required in the completion of this project. Any expenses shall be the **CONTRACTOR'S** responsibility.
- C. The **CONTRACTOR** shall provide any work or materials not specifically mentioned but necessary for the safe and satisfactory erection and operation of the equipment according to all standards of the industry as if specified herein.
- D. The **CONTRACTOR** shall not permit trucks hauling heavy loads beyond the curb line of the parking lots.
- E. The **CONTRACTOR** shall take all necessary precautions and measures to protect all properties from damage and shall repair all damage caused by his/her operations to all public and private property including roads, walks, parking lots, curbs, buildings, utilities, trees, shrubs, plantings, etc., and leave the property in good condition and/or at least equivalent to the condition found.
- F. The **CONTRACTOR** shall clean all work areas, including debris and dirt daily, at no cost to the **Somers Cove Marina Commission**.

VI. GUARANTEE and ACCEPTANCE:

- A. All work is subject to the inspection and approval of the **Project Manager**.
- B. The **CONTRACTOR** shall fully guarantee the work covered under this contract for a period of two (2) years from the date of acceptance against defects in materials and workmanship.
- C. Any defects found within the two (2) year warranty period shall be promptly repaired or replaced by the **CONTRACTOR** at no additional cost to the **Somers Cove Marina Commission**.
- D. The **CONTRACTOR** shall provide the **Project Manager** all manufacturers' warranties for materials and systems used on this project.
- E. Acceptance by the **Project Manager** of any procedures, materials, workmanship, or final product shall not relieve the **CONTRACTOR** of his contractual requirements.

VII. GENERAL REQUIREMENTS:

- A. The **CONTRACTOR** shall make arrangements at the Contractor's own expense, and coordinate with the **Marina Manager** and the **Project Manager**, for storage of materials and any construction yard he may require to execute this project.
- B. Deviation from the manufacturer's instructions or this specification will not be acceptable.
- C. The **CONTRACTOR's** personnel shall be skilled craftsman and fully qualified by experience and technical training to perform their assigned responsibilities.
- D. The **CONTRACTOR** shall take all necessary precautions and measures to protect all properties from damage. He shall repair all damage caused by his operation to all public and private property including roads, walks, curbs, utilities, trees, shrubs, plantings, etc., and leave the property in good condition and/or least equivalent to the condition found.
- E. **Somers Cove Marina** will have first refusal of any material removed or replaced during the period of construction.

VIII. METHOD OF BIDDING:

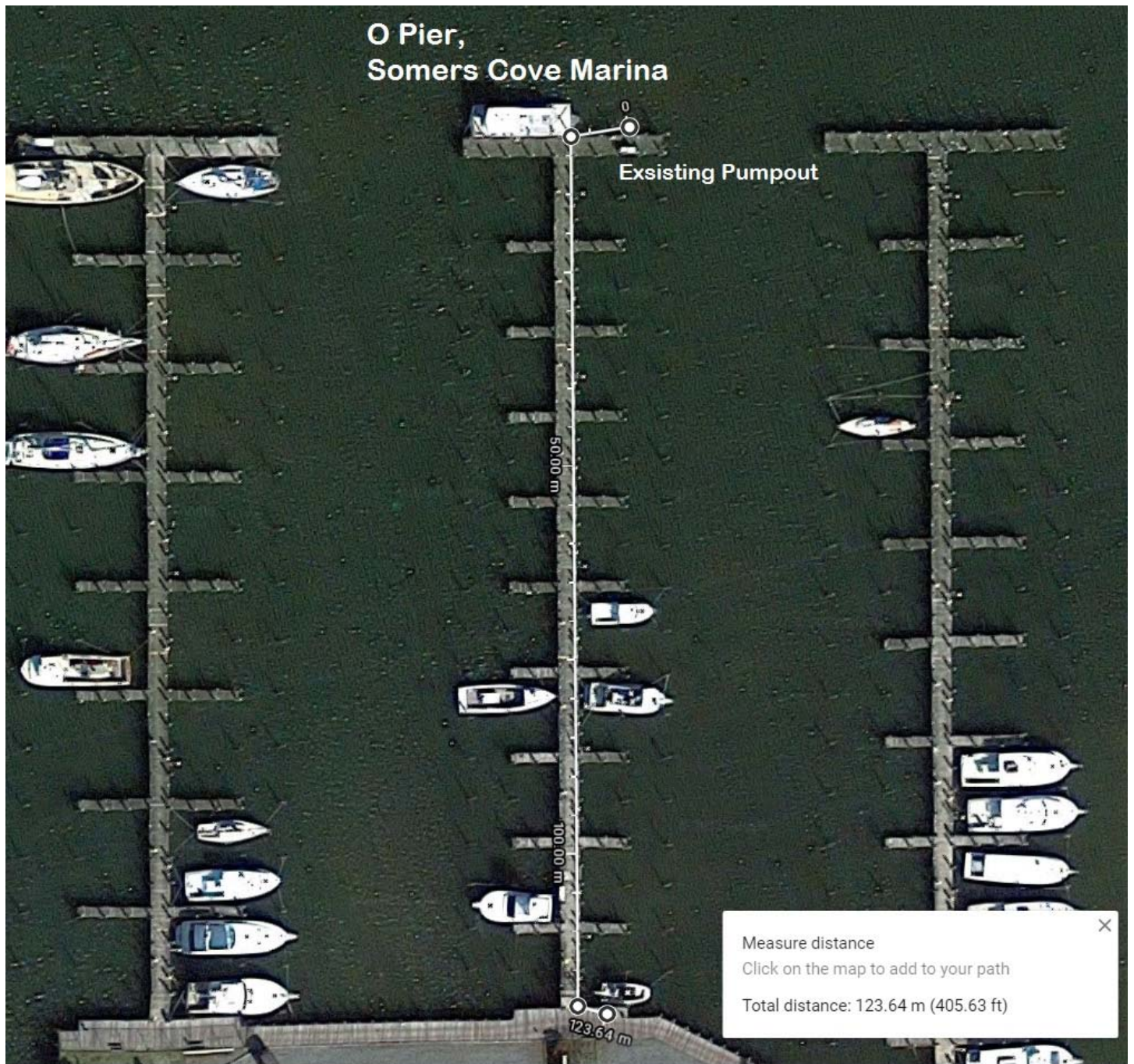
- A. **Request for Bids:** Request for Bids packets can be picked up at the Somers Cove Marina Office, 715 Broadway, Crisfield, MD 21817 or can be mailed by calling the Marina Office at 410-968-0925 on or after **July 3, 2019 or online at www.SomersCoveMarina.com**.
- B. **Submit Questions:** In writing by **July 10, 2019**.
- C. **Bid Due Date:** All bids must be delivered to the Somers Cove Marina Office no later than **1:00 p.m. July 19, 2019**.
- D. **Bid Opening:** Bids will be opened at the Somers Cove Marina Office on **July 19, 2019 at 4:00 p.m.**
- E. **Complete Date:** Project must be completed by **August 29, 2019 at 4:00 pm** unless authorized by the **Marina Manager**.
- F. **Contacts:**
 - Tim Carlson, Project Manager – tcarlson@somerscovemarina.com
 - Mary Taylor, Marina Manager – mtaylor@somerscovemarina.com

IX. ATTACHMENTS:

- Drawing A:** Marina Map Location of O Pier
- Drawing B:** Marina Map Location of Marina

Attachment: Drawing A

Somers Cove Marina, Map of Pier O



Somers Cove Marina Map

Location of Marina

