

**PUMP STATION NO. 23 MODIFICATIONS  
SUSSEX COUNTY CONTRACT NO. 14-22  
SUSSEX COUNTY, DELAWARE**

**GMB FILE NO. 140202**

**General Note:** The following supplementary data and corrective notations are hereby made a part of this project. The General Contractor is responsible for notifying his suppliers and subcontractors regarding items covered by all addenda.

**Pre-Bid Meeting**

1. The meeting minutes from the July 14, 2015 Pre-Bid Meeting are attached and shall be inserted into and made part of the specifications. The attachment consists of five (5) pages.

**Contractor Questions**

Below are questions received through 5:00PM, July 15, 2015; wording of some questions may have been modified to suit format of this document.

*No questions were received through the time period noted above.*

**Specifications**

1. SECTION 00810, Page 7, Paragraph A.7 **INSERT** "Sea Pines Village Home Owner's Association and its residents and guests" as an additional insured endorsement.

**Contract Drawings**

1. Drawing C1.1, Demolition Note No. 15 – **DELETE** "Trim branches of tree" and **REPLACE** with "Remove portion of tree".
2. Drawing C1.3, Section 1 - The access ladder to the valve vault shall extend up through the concrete top slab to the underside of the hatch frame.

**PLEASE ACKNOWLEDGE THIS ADDENDUM ON PAGE 00300-1 OF YOUR BID FORM.  
FAILURE TO ACKNOWLEDGE ALL ADDENDA COULD RESULT IN  
REJECTION OF YOUR BID.**

**\*\*\*END OF ADDENDUM NO. 1\*\*\***



GEORGE, MILES & BUHR, LLC



ARCHITECTS  
ENGINEERS

206 WEST MAIN STREET  
SALISBURY, MD 21801  
PH: 410.742.3115  
PH: 800.789.4462  
FAX: 410.548.5790

SALISBURY  
BALTIMORE  
SEAFORD

www.gmbnet.com



JAMES H. WILLEY, JR., PE  
PETER A. BOZICK, JR., PE  
JUDY A. SCHWARTZ, PE  
CHARLES M. O'DONNELL, III, PE  
W. BRICE FOXWELL, PE  
A. REGGIE MARINER, JR., PE  
JAMES C. HOAGESON, PE  
STEPHEN L. MARSH, PE  
MICHAEL D. MCARTHUR, AIA  
DAVID A. VANDERBEEK, PE  
ROLAND E. HOLLAND, PE  
JASON M. LYTLE, PE

JOHN E. BURNSWORTH, PE  
MICHAEL G. KOBIN, PE  
CHRIS B. DERBYSHIRE, PE  
W. MARK GARDOCKY, PE  
MORGAN H. HELFRICH, AIA  
VINCENT A. LUCIANI, PE  
JERRY KOTRA  
ANDREW J. LYONS, JR., PE  
KATHERINE J. MCALLISTER, PE

## PRE-BID MEETING MINUTES

### PUMP STATION 23 MODIFICATIONS SUSSEX COUNTY, DELAWARE

Contract No. 14-22  
GMB File No. R140202

July 14, 2015  
TIME: 2:00 P.M.

LOCATION:  
Sussex County Engineering Dept., South Conference Room

#### I. Attendees Sign In

Mike Izzo	Sussex County	302-855-7718	<a href="mailto:mizzo@sussexcountyde.gov">mizzo@sussexcountyde.gov</a>
Joe Wright	Sussex County	302-855-7718	<a href="mailto:joe.wright@sussexcountyde.gov">joe.wright@sussexcountyde.gov</a>
Juel Gibbons	Sussex County	302-855-7718	<a href="mailto:jgibbons@sussexcountyde.gov">jgibbons@sussexcountyde.gov</a>
Anthony Digiuseppe Jr.	Sussex County	302-855-7718	<a href="mailto:aadigiuseppe@sussexcountyde.gov">aadigiuseppe@sussexcountyde.gov</a>
Rodney Marvel	Sussex County	302-855-7718	<a href="mailto:rmarvel@sussexcountyde.gov">rmarvel@sussexcountyde.gov</a>
Tom Feret	Sussex County	302-855-7717	<a href="mailto:tferet@sussexcountyde.gov">tferet@sussexcountyde.gov</a>
Jeremy Kalmbacher	White Marsh Env.	302-747-1327	<a href="mailto:Jkalm@tuiwater.com">Jkalm@tuiwater.com</a>
Paul Peris	White Marsh Env.	302-218-8534	<a href="mailto:pperis@tuiwater.com">pperis@tuiwater.com</a>
Tim Tackett	White Marsh Env.	302-236-8217	<a href="mailto:TTackett@tuiwater.com">TTackett@tuiwater.com</a>
Milton Moore	TD Williamson	302-588-0895	<a href="mailto:Milton.Moore@TDWilliamson.com">Milton.Moore@TDWilliamson.com</a>
Jim Criss	Sherwin Williams	609-577-4034	<a href="mailto:swrep6605@sherwin.com">swrep6605@sherwin.com</a>
Andrew Sellers	Lywood Electric	410-754-8631	<a href="mailto:asellers@Lywoodelectric.com">asellers@Lywoodelectric.com</a>
Lee Beachamp	Delmarva Veteran Blds.	443-880-2301	<a href="mailto:lee@delmarvaveteranbuilder.com">lee@delmarvaveteranbuilder.com</a>
Don Leo	Kuhn Construction	302-239-4344	<a href="mailto:DLeo@KuhnConstr.com">DLeo@KuhnConstr.com</a>
Patrick Walton	JJID, Inc.	302-836-0414	<a href="mailto:pwalton@jjid.com">pwalton@jjid.com</a>
Greg Thelen	Rain for Rent	856-297-3860	<a href="mailto:gthelen@rainforrent.com">gthelen@rainforrent.com</a>
Sam Merrell	Bearing Construction	410-556-6100	<a href="mailto:sam@bearingconstruction.net">sam@bearingconstruction.net</a>
Shaun Fink	Hopkins Construction	302.337.3366	<a href="mailto:Shaun@Hopkins-lnc.com">Shaun@Hopkins-lnc.com</a>
Chris Derbyshire	GMB	410-742-3115	<a href="mailto:cderbyshire@gmbnet.com">cderbyshire@gmbnet.com</a>

#### II. Introductions

- A. Owner: Sussex County
- B. Owner Representative Introductions
- C. Engineer: George, Miles & Buhr, LLC

#### III. Project Location

- A. The pump station is located in the South Bethany Sewer District along southbound Pennsylvania Ave. near the intersection with Jefferson Bridge Road. Project is located within the County and not Bethany Beach or South Bethany.

IV. Project Purpose/Scope

A. Purpose of the project is to convert the existing wet pit/dry pit pump station to a conventional submersible pump station, upgrade controls and add stand-by emergency power.

B. Work Includes:

A. Utility Locations

1. All utility work is to be completed within the DeIDOT R.O.W. and temporary construction easement. There are limitations for use of temporary construction easement at the Sea Pines Village property. Copies of all easements obtained as shown on the drawings can be provided to the Contractor upon award.
2. Contractor is responsible for obtaining easements, and permission for any additional staging and/or storage areas deemed necessary or desirable by the Contractor.
3. It is the responsibility of the Contractor to locate all underground and overhead utilities in advance of construction. The cost of all test pitting shall be included within the prices bid and will not be paid for separately.
4. Refer to the requirements for as-built drawings as stated in Sections 01050 and 01300. The Contractor is responsible for recording on the as-built drawings all utilities uncovered and/or installed.

B. Pump Station Bypass Operation

1. There is one (1) influent manhole with 15" sewer to the wet well that will need to be plugged to facilitate construction.
2. The duration of the bypass pumping shall commence at flow diversion and conclude at a successful pump station start-up. The capacity of the existing pumps (each) is 1,250 gpm @ 10' TDH.
3. Primary bypass pump shall be electric motor driven.
4. The cost of electric will be paid for by the Owner. 240V, 3 PH power is available at the site.
5. Secondary stand-by pump equating to 100% back-up capacity shall be provided and may be diesel engine driven with sound attenuating enclosures.
6. Bypass pumping manhole and force main discharge manhole shall be secured to prevent unwanted access.

C. Pump Station Demolition

1. Removal of trees and landscaping; minimize disturbance to greatest extent practical.

2. Demolition of the wet pit/dry pit shall be as shown on Sheet No. C1.2.
3. Sussex County shall have the first right of refusal on all items and such items identified to be retained by the County shall be delivered by the Contractor to the South Coastal Regional Wastewater Facility. The Contractor is responsible for disposing of all other items.
4. All unused conduits and/or pipes are to be abandoned and removed within the wet well unless noted otherwise. Existing vent piping shall be removed or abandoned in place with flowable fill and capped on both ends.

D. Pump Station Concrete Restoration

1. Once the pump station has been bypassed, drained and cleaned, the Contractor shall notify the engineer to make field observations so that the extent of the concrete repairs can be verified.
2. The Contractor shall adjust his quantity of repair work accordingly based on the field observations.
3. Repairs are as shown on Sheet No.C1.2 and C1.5 and consists of the following:
  - a. Removing  $\frac{3}{4}$ " of all loose and deteriorated concrete.
  - b. Repairing any exposed rebar as specified in Specification Section 03730.
  - c. Apply repair mortar per the detail.

E. Pump Station Construction

1. Core drill all wall penetrations and provide link seals.
2. Both the wet well and valve vault are to be coated with a high performance coating.
3. Cure times for recoat vary based on temperature. Cure time for immersion service varies based on temperature as well. Contractor is responsible for verifying these times with coating representative.
4. Includes new discharge piping, fittings, and valves.
5. New pumping equipment and retrieval system.
6. New access hatches and ventilation equipment.
7. New concrete slab over the wet well, valve vault and under the new electrical cabinet and generator.
8. Other work as required by the contract documents.

F. Electrical Work

1. Remove existing service meter and install new meter.
2. Install new electrical cabinet with gear, controls and SCADA system complete with antenna.
3. Install new stand-by emergency power generator.
4. Perform Arc Flash Analysis per Section 16431.

G. Bypass Connection

1. Due to the proximity of the force main discharge manhole to the pump station, a bypass pumping discharge connection is not necessary, nor proposed.

H. Miscellaneous Site Work

1. The Contractor shall make sure all construction work occurs within the R.O.Ws and the easements obtained. Maintenance of traffic provisions are necessary, see Contract Drawings.
2. Concrete curb installation and pavement removal.
3. Pavement repair and striping work.
4. Landscaping materials to per paid for via allowance with work included under lump sum bid for pump station.

IV. Bidding Information

- A. Bids Due / Bid Opening: July 30<sup>th</sup> at 2:00 P.M. EST., at Sussex County Council Chambers, 2 The Circle, Georgetown, Delaware.
- B. No bids may be withdrawn within 60 days of the Bid Due Date.
- C. 10% Bid Bond or certified check required with submission of Bid.
- D. Davis Bacon Act wage rates do not apply to this project.

V. Contract Provisions

- A. Contract Duration: 90 consecutive calendar days. Anticipated construction period is November 2<sup>nd</sup> to January 30<sup>th</sup>. It is anticipated that Contractor may commence with shop drawing submittals in September 2015. No work may take place on site November 24 through November 29, 2015 for Thanksgiving Holiday. No work may take place on site December 24 through December 27, 2015 for Christmas Holiday. Paving work may occur during 60-day Conditional Acceptance Period which is anticipated to expire March 30, 2016.
- B. Liquidated Damages: \$1,200.00 per calendar day.
- C. Performance Bond & Payment Bond: 100% each

VI. Questions/Comments

- A. Prospective bidders were informed that the project site is accessible for viewing as it is not fenced and they were encouraged to visit the site. A site visit was to occur following the pre-bid meeting. Other site visits can be scheduled by contacting Rodney Marvel at (302) 542-8747.
- B. Sea Pines Village HOA will be added via addenda to list of those to be insured by the Contractor.
- C. Question was asked regarding "Buy America/AIS" requirement. Requirement is not applicable to this project.

- D. Question was asked about when the original pump station was constructed. As-built drawings for the station are dated 1977.
- E. Question was asked regarding maintenance of traffic (MOT) and closure of traffic lane. Travel lane is not to be closed but instead shifted into turn lane. GMB clarified that existing striping installed within MOT area was installed as temporary paint by DeIDOT during the recent paving work.

VII. Adjournment

All questions pertaining to this bid shall be directed to the Engineer in writing either by email to [cderbyshire@gmbnet.com](mailto:cderbyshire@gmbnet.com) or by fax (410) 548-5790 by 5 P.M., July 22<sup>nd</sup>.

Respectfully Submitted,



Chris B. Derbyshire, P.E.  
Associate

CBD/cs