



## ADDENDUM

DATE: March 24, 2022

TO: Prospective Bidders

FROM: Dewberry

SUBJECT: SVMP Pump Station and Forcemain Addendum #1

### Notice

The following items herein shall supersede the plans and specifications and shall be considered part of the contract documents for bidding purposes.

### GENERAL

1. Directional drill is an allowable pipe installation method for the entire route as described in the response to Contractor Question #3 below. Provide the price per horizontal foot under the same line item #19, strike out "4" PVC SDR 21 Forcemain", and write a note that directional drill is proposed and what material/size.
  - a. The contractor may also elect to only directionally drill the section along the entrance to Faith Christian Academy from approximately STA 25+00 to 31+00 in lieu of open cut. Make note of this next to line item #19, but keep the total pipe cost for the entire project included within the price for that line. Refer to allowable materials below.
2. Allowable pipe materials for directional drill:
  - a. HDPE, DR 11, 5" or 6" (see response to Contractor Question #4 for more information)
  - b. Fusible PVC, DR 14, 4"
  - c. Yelomine Pipe, SDR-21, 4"
3. The shop drawings for the pumps that will be purchased by the Owner and installed by the Contractor are attached. Once the control panel shop drawings are ready, they will also be distributed to the plan holders list.
4. The Mission SCADA contact is TJ Johnson with Delta Systems Environmental:  
<https://www.dsellc.com/>
  - a. TJ Johnson; 757-286-7182; [tjohnson@dsellc.com](mailto:tjohnson@dsellc.com)
  - b. Tammie Robinson; [info@dsellc.com](mailto:info@dsellc.com)
5. The Dominion Energy contact is Eric Walker:
  - a. [Eric.R.Walker@dominionenergy.com](mailto:Eric.R.Walker@dominionenergy.com); 434-414-2298

### CONTRACTOR QUESTIONS

1. Based on lead time volatility of piping and metal products, will Owner/EOR consider establishing basis of starting clock for substantial and final completion to date of material delivery possessing longest production lead time to project site established from date of final approval factoring in required manufacturing lead times? Presently, pipe has the longest lead times.
  - a. The Owner recognizes that there is an aggressive timeline to get the work completed to meet the industrial tenant's start-up schedule. The Owner is agreeable to have the Notice to Proceed date start the date materials are available on site to begin work, or the date that the contractor mobilizes and begins site preparation, whichever comes first. A condition of this time allowance is that the Contractor submit piping shop drawings within seven (7) days of notice of award and provide evidence of placing order on the pipe within three (3) days of receiving an approved shop drawing.

2. Section 013100, page 4, paragraph 1.73.m makes note of American Iron & Steel Requirements (AIS), however, no such requirements appear to be defined in detail in project manual. Is AIS a requirement for this project?
  - a. AIS requirements do not apply to this project.
3. During pre-bid meeting, directional boring was discussed. EOR had concern about extensive directional boring requiring additional air release valves. If no additional air release valves are anticipated for project, is directional boring of forcemain a suitable option opposed to open excavation of entire forcemain, other than areas noted during pre-bid, due to terrain and access, where directional boring is required (forcemain by trees on school property)? Our understanding is that no additional Air Release Valves shall be required for directional boring. Additionally, directional boring provides another opportunity to most expediently acquire stock materials approved for project if other options from our vendors possess substantial lead times.
  - a. Directional drill of the entire forcemain will be allowable as long as the contractor develops a proposed profile for approval by the Engineer during shop drawing review. Profile shall be provided for approval with significant positive slope to the air release valves. If an additional air release valve is required to execute the work, the contractor will be responsible for providing this at no additional cost. Additionally, if there are issues with additional friction head loss experienced by the pumps during startup that is characteristic of air being trapped in the line, the contractor will be responsible for potholing at intervals necessary to locate any high spot and resolving the issue with a new or relocated ARV.
4. Are 4" SDR-21 Yelomine Pipe or 4" SDR 13.5 HDPE Pipe acceptable materials?
  - a. 4" SDR-21 Yelomine Pipe is acceptable.
  - b. HDPE is also acceptable; however, it shall be 5" or 6" DR-11 due to the reduced ID on the 4" HDPE pipe. We are recommending DR-11 due to the additional thickness and strength recommended to resist tensile forces during installation. If the contractor prefers DR-13.5, please provide job references with similar distance pipe runs of directional drill that the operator for this project has successfully completed for consideration. Contractor will be responsible for remedy of any unsuccessful bores.
5. An alternative to the pipes listed above is 4" SDR 13.5 HDPE roll pipe. Is this pipe an acceptable alternative for forcemain?
  - a. HDPE roll pipe is allowable if it is at least 5" and meets the above described parameters in Contractor Question #4.
6. Drawing E-200 & E-300 - Definition of DTS-SVMP is not shown in the list of abbreviations.
  - a. DTS = Double Throw Switch
  - b. SVMP = Southern Virginia Multimodal Park

## Attachments

1. **Pre-Bid Meeting Minutes**
2. **Planholders List**
3. **Pumps to be Purchased by Owner**

**CC:** Connie Gibson, Pittsylvania County Purchasing



# PRE-BID MINUTES

DATE: March 16, 2022

TIME: 10:00 AM EST

SUBJECT: Southern Virginia Multimodal Park Pump Station and Forcemain Pre-Bid Meeting

Location: Town of Hurt Town Hall, 533 Pocket Road, Hurt, VA 24563

## Minutes

### 1. Introductions

- a. Owner: Pittsylvania County Public Works, on behalf of the Board of Supervisors  
Chris Adcock  
Public Works Director  
Chris.Adcock@pittgov.org  
434-432-7136
- b. Engineer: Dewberry  
Leslie Mantiplay, PE  
lmantiplay@dewberry.com  
434-549-8504
- c. Sign-in sheet is attached.

### 2. Scope of Work

- a. ±200 LF of 8" gravity sewer from SRP manhole to the proposed pump station.
- b. Duplex submersible pump station on the Staunton River Plastics property.
  - i. Owner will provide pumps and control panel.
  - ii. Contractor responsible for installation and integration.
  - iii. Contractor responsible for purchase and integration of the Mission MyDro SCADA unit.
    1. Contact – Delta Systems Environmental  
<https://www.dsellc.com/>  
  
TJ Johnson  
757-286-7182  
tjjohnson@dsellc.com  
  
Tammie Robinson  
info@dsellc.com
- c. ±3,100 LF of 4" sewer forcemain along Main Street to tie into the Town's existing 4" forcemain on the Faith Christian Academy property.
  - i. Some clearing and grubbing required along Main Street.
  - ii. 3 power poles will need avoided, braced, or protected.
  - iii. Pending easement on school property behind the guard rail.
- d. All existing utilities shall be marked prior to commencing work.
- e. The pump station site may be used as a staging area.

### 3. Notable Contract Requirements

- a. Work Hours
  - i. 7:30AM – 5:00PM, Monday through Friday unless specified by the Owner.
- b. Bonds
  - i. 5% Bid Bond – required with bid
  - ii. 100% Performance Bond
  - iii. 100% Payment Bond

- c. Rock
  - i. Unclassified – there will be no payment for rock encountered.
- d. Permits – Contractor’s responsibility
  - i. VDOT Land Use Permit
    - 1. Plans have already been approved.
    - 2. Contact: Jay Craddock, joseph.craddock@vdot.virginia.gov.
    - 3. Application fee is \$100, plus \$10 per one hundred feet of force main in the right of way, plus \$10 for each structure in the right of way (air release valves).
    - 4. Surety is \$20,000.
  - ii. Pittsylvania County Land Disturbing Permit
    - 1. No permit fee.
    - 2. Bond form and \$18,100 E&S bond required.
    - 3. Contact: Karen Hayes, Karen.Hayes@pittgov.org, 434-432-7752.
  - iii. Town of Hurt Authorization to Engage in Contractual Work Inside Corporate Limits Form
    - 1. No fee, but form must be filled out and approved by the Town office. This is included as an attachment to the Minutes.
- e. Substantial Completion
  - i. Total contract time is 90 days to substantial, 120 days to final completion.
  - ii. Two separate substantial completion timelines:
    - 1. 45 days to complete forcemain from emergency pump connection to the tie-in point on school property.
    - 2. 90 days (45 additional) to completion pump station and remaining work.
- f. Liquidated Damages
  - i. \$400/day beyond substantial completion.
  - ii. \$350/day beyond final completion.
- g. Bid Format
  - i. Sum of all unit prices. Award will be based on lowest base bid.
  - ii. Alternate for ductile iron pipe will only be considered if there are supply chain issues with PVC pipe.

**4. Bid Requirements**

- a. All Bidders must include signed, completed originals (notarized or witnessed as described) of the following:
  - i. Acknowledgement of all addenda on Bid Form
  - ii. Bid Form
  - iii. Bid Bond (5% of Bid Price)
  - iv. Qualifications Statement
  - v. Evidence of authority to do business in the state of Virginia
  - vi. Contractor’s license number
  - vii. List of proposed subcontractors and suppliers

**5. Questions**

- **Are the pump rails being provided with the pumps by the County?**
  - The formal quote from the pump supplier is provided as an attachment to Addendum #1 for reference. The Contractor shall provide guide rails as they are not provided by the pump supplier. Rails shall be 2" stainless steel.
- **Is a construction entrance needed since there is a driveway in the vicinity? And will additional improvements during restoration be required?**
  - Provide provision for the stone as shown on the drawings in the bid. Restoring to pre-construction conditions is the expectation and contractor should bid as shown on the plans.

- **Can the section along the guardrail on the school property be directionally drilled?**
  - Yes – engineer will provide the HDPE thickness class in the addendum. Note that any additional air release valve that might be required as a result of the directional drill will be the responsibility of the Owner.

**6. Reminders**

- a. All questions regarding the bid are due to Leslie Manti by Friday, March 25<sup>th</sup> at noon EST so that a final addendum can be issued by 5PM that day.
- b. Bid opening is 1PM EST on Tuesday, March 29<sup>th</sup> at the Pittsylvania County Central Office – 1 Center Street, Chatham, VA 24531. Drop off to Connie Gibson if dropping off early.
  - i. Mailing address: PO Box 426, Chatham, VA 24531.

**7. Adjourn**

- a. Attendees are welcome to visit the site.

**Attachments**

1. Photos
2. Bid Form
3. Pittsylvania County E&S Letter and Bond Form



Pump Station Site



Forcemain Route along Main Street



Industrial Driveway Crossing



Forcemain Route along Treeline



Power Pole #1



Power Pole #2



Power Pole #3





Existing Inactive Meter Vault (tie-in location)



Existing Meter Vault on School Property

**BID FORM FOR CONSTRUCTION CONTRACT**  
**SOUTHERN VIRGINIA MULTIMODAL PARK**  
**PUMP STATION AND FORCEMAIN**

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

**ARTICLE 1—OWNER AND BIDDER**

1.01 This Bid is submitted to:

**Connie Gibson, Purchasing Manager**  
**1 Center Street**  
**P.O. Box 426**  
**Chatham, VA 24531**

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2—ATTACHMENTS TO THIS BID**

2.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. List of Proposed Subcontractors;
- C. List of Proposed Suppliers;
- D. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
- E. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
- F. Required Bidder Qualification Statement with supporting data; and
- G. Acknowledgement of addenda, if applicable.

**ARTICLE 3—BASIS OF BID—UNIT PRICES**

3.01 *Unit Price Bid*

A. Bidder will perform the following Work at the indicated unit prices:

*\*Contact the engineer for a word document version of the schedule of values.*

## BID FORM SCHEDULE OF VALUES

L.I.	Description	Quantity	Unit	Unit Price	Total Price
1	Mobilization, Site Preparation, Clearing & Grubbing	1	LS	\$	\$
2	Permit Fees and Coordination (E&S and VDOT)	1	LS	\$	\$
3	Erosion and Sediment Control	1	LS	\$	\$
4	Earthwork	1	LS	\$	\$
5	Traffic Management and Control	1	LS	\$	\$
6	Tie into Existing Manhole from SRP	1	LS	\$	\$
7	8" Ductile Iron Gravity Sewer	190	LF	\$	\$
8	Wetwell (excavation and installation)	1	LS	\$	\$
9	Valve Vault (including valves, gages, piping)	1	LS	\$	\$
10	Meter Vault (including flowmeter, piping)	1	LS	\$	\$
11	Pump Station Piping	1	LS	\$	\$
12	Install Pumps (2 total – supplied by Owner)	1	LS	\$	\$
13	Install Pump Control Panel (panel supplied by Owner)	1	LS	\$	\$
14	Electrical Equipment Rack and All Components	1	LS	\$	\$
15	Mission RTU Equipment and Integration	1	LS	\$	\$
16	Concrete Pads at Pump Station	1	LS	\$	\$
17	Plug Valve and Box	3	EA	\$	\$
18	Combo Air/Vac Release Valve	3	EA	\$	\$
19	4" PVC SDR 21 Forcemain	3150	LF	\$	\$
20	Industrial Pavement Driveway Repair	2	EA	\$	\$
21	Power Pole Bracing and Handling	3	EA	\$	\$
22	Field Investigation and Tie-in Forcemain to Existing 4" at Inactive Meter Vault (at school)	1	LS	\$	\$
23	Site Restoration	1	LS	\$	\$
<b>Total Base Bid Price</b>					<b>\$</b>

**BASE BID (TOTAL OF ITEMS 1-23)** \_\_\_\_\_

\_\_\_\_\_ (WORDS)

**Alternate No. 1: Provide price for 4" Ductile Iron Pipe in lieu of 4" PVC for line item #19:**

L.I.	Description	Quantity	Unit	Unit Price	Total Price
Alt. 1	4" Ductile Iron Forcemain	3150	LF	\$	\$

- B. Bidder acknowledges that:
1. Each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
  2. Estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.
  3. For any project component not explicitly listed in the unit prices above, Contractor shall include price in another line item to cover all work included in the project plans and specifications.

**ARTICLE 4—TIME OF COMPLETION**

- 4.01 Bidder agrees that the Work will be substantially complete in 90 days and will be completed and ready for final payment in 120 days in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA**

- 5.01 *Bid Acceptance Period*
- A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 5.02 *Instructions to Bidders*
- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.
- 5.03 *Receipt of Addenda*
- A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

**ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS**

- 6.01 *Bidder's Representations*
- A. In submitting this Bid, Bidder represents the following:
1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
  2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.

4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

- A. The Bidder certifies the following:
  1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
  2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
  3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
  4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
    - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
    - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.

- c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
- d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

\_\_\_\_\_ *(typed or printed name of organization)*

By: \_\_\_\_\_ *(individual's signature)*

Name: \_\_\_\_\_ *(typed or printed)*

Title: \_\_\_\_\_ *(typed or printed)*

Date: \_\_\_\_\_ *(typed or printed)*

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest: \_\_\_\_\_ *(individual's signature)*

Name: \_\_\_\_\_ *(typed or printed)*

Title: \_\_\_\_\_ *(typed or printed)*

Date: \_\_\_\_\_ *(typed or printed)*

Address for giving notices:

\_\_\_\_\_  
\_\_\_\_\_

Bidder's Contact:

Name: \_\_\_\_\_ *(typed or printed)*

Title: \_\_\_\_\_ *(typed or printed)*

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Bidder's Contractor License No.: (if applicable) \_\_\_\_\_

March 15, 2022

Dewberry Engineers, Inc.  
Attn: Leslie Mantiply  
[lmantiply@Dewberry.com](mailto:lmantiply@Dewberry.com)

Re: Southern Virginia Multimodal Park Pump Station and Forcemain  
GPIN 2545-69-2418, .82 of an acre

Dear Leslie:

The erosion and sediment control plan for the above referenced project has been approved. A Land Disturbing Permit is required. There will be no permit fee. A bond in the amount of \$18,100.00 will be required. Attached is the bond form.

Before engaging in the land-disturbing activity, the person responsible for carrying out the approved plan shall provide the name of an individual qualifying as a Responsible Land Disturber, who will be in charge of and responsible for carrying out the land-disturbing activity. Failure to provide the name of an individual holding a certificate of competence prior to engaging in land-disturbing activities may result in revocation of the approval of the plan and additional penalties.

Notification of start date will be required. Should you have any questions, please feel free to contact me at 434-432-7752.

Sincerely,



Karen N. Hayes

c: Emily Ragsdale, Director of Community Development  
Chris Adcock, [chris.adcoco@pittgov.org](mailto:chris.adcoco@pittgov.org)



# PITTSYLVANIA COUNTY

## Erosion and Sediment Control Bond

KNOW ALL MEN BY THESE PRESENT THAT we (I) \_\_\_\_\_ and \_\_\_\_\_ as Principal(s) and \_\_\_\_\_ as Surety (Sureties), are held and firmly bound unto the BOARD OF SUPERVISORS OF PITTSYLVANIA COUNTY, VIRGINIA, herein called the Obligee, in the sum of \_\_\_\_\_ (\$ \_\_\_\_\_) lawful money of the United States of America, for the payment whereof, well and truly to be made, we bind ourselves, our and each of our heirs, executors and administrators, jointly and severally, firmly by these presents:

WHEREAS: The Principal has presented to the Board of Supervisors of Pittsylvania County, Virginia, or its duly designated agent, for examination and approval, an Erosion and Sediment Control Plan for land disturbing activity being carried out in conjunction with construction of the following project:

\_\_\_\_\_  
\_\_\_\_\_  
and,

WHEREAS: A condition of the approval of said Plan was that the Principal shall properly install and maintain the erosion and sediment control devices as called for in this Plan and as required by the Erosion and Sediment Control Ordinance of the County of Pittsylvania, effective October 3, 1975 and amended March 1, 1982, which said Ordinance was adopted pursuant to the provisions of Article 6.1 of Title 21 of the Code of Virginia of 1950, as amended; and

WHEREAS: A further condition of approval of the Plan was that the Principal post a bond, with corporate surety, conditioned on the required installation and maintenance of erosion and sediment control devices.

NOW, THEREFORE, the Principal and Surety jointly and severally post this bond in the form of \_\_\_\_\_ from \_\_\_\_\_ (\$ \_\_\_\_\_) or so much thereof as may be necessary for the full performance and completion of the installation and maintenance of erosion and sediment control devices as is called for in the Plan, and this bond will be forfeited to the Pittsylvania County Board of Supervisors in the event the said land disturbing activity is not properly installed and maintained in accordance with the Plan. This obligation will be voided sixty (60) days from the date of completion of the land disturbing activity giving rise to the necessity for installation and maintenance of erosion and sediment control devices as called for in the Plan, or sooner, upon presentation of a certificate by the Principal that the work has been completed and inspected by the Program Administrator or his designed agent and a cop of the executed bond, marked "Satisfied" and signed by the Principal or Surety, in the event payment is made hereunder by the Surety, and delivery of a copy of this bond so marked will be a specific condition precedent to the avoidance of the obligation of the Principal and Surety hereunder.

The Principal and Surety hereby further bind themselves, their successors, executors, administrators and assigns jointly and severally, that they will amply and fully protect the said Obligee against and will pay any and all amounts, damages, costs and judgments which may be recovered against or which the Obligee may be called upon to pay to any person or corporation by reason of any damage arising from the performance of said work, repair or maintenance thereof, or the manner of doing the same, or neglect of the Principal or its agents or servants, or the infringements of an patent rights by reasons of the use of any material furnished or work done, as aforesaid, or otherwise.

The Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the work to be performed shall in any way affect the obligation of this bond and the Surety hereby waives notice of any such change, extension of time, alteration or addition. The Surety, if a corporation, further warrants that it is authorized to enter into this bond by resolution of its Board of Directors duly recorded in the corporate minute book, and if an insurance company, the Surety represents that the agent executing this bond is duly authorized to act on its behalf in accordance with a power of attorney or other agency agreement, a copy of which is attached hereto and incorporated herein by reference.

SIGNED, SEALED AND DELIVERED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_,  
\_\_\_\_\_.

\_\_\_\_\_  
Principal (SEAL)

\_\_\_\_\_  
Principal (SEAL)

\_\_\_\_\_  
Surety (SEAL)

\_\_\_\_\_  
Surety (SEAL)

STATE OF VIRGINIA

\_\_\_\_\_ OF \_\_\_\_\_, to  
wit:

The forgoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_,  
\_\_\_\_\_, by \_\_\_\_\_, Principal (s)

My commission expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

STATE OF VIRGINIA

\_\_\_\_\_ of \_\_\_\_\_, to wit:

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by  
\_\_\_\_\_, Surety (Sureties)

My commission expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public



# SIGN-IN SHEET

**DATE:** March 16, 2022

**TIME:** 10:00 AM EST

**SUBJECT:** Southern Virginia Multimodal Park Pump Station and Forcemain Pre-Bid Meeting

**Location:** Town of Hurt Town Hall, 533 Pocket Road, Hurt, VA 24563

ATTENDEES			
NAME	COMPANY / ORGANIZATION	EMAIL	PHONE NUMBER
Charles Cauley	C.W. Cauley & Son, Inc.	charles2301@hotmail.com	276-692-5011
Jon Paris	Anderson Construction	jparis@andersonconst.com	434-485-2165
Connie Gibson	Pittsylvania County Purchasing	connie.gibson@pittgov.org	434-432-7744
Leslie Mantiply	Dewberry	lmantiply@dewberry.com	434-549-8504
Scott Ehrhardt	Dewberry	sehrhardt@dewberry.com	434-549-8503
Shannon Higgins	VA Site Works	mhiggins@vasiteworks.com	434-547-6525
Chris Adcock	Pittsylvania County Public Works	chris.adcock@pittgov.org	434-713-0250



# SIGN-IN SHEET

DATE: March 16, 2022

TIME: 10:00 AM EST

SUBJECT: Southern Virginia Multimodal Park Pump Station and Forcemain Pre-Bid Meeting

Location: Town of Hurt Town Hall, 533 Pocket Road, Hurt, VA 24563

ATTENDEES			
NAME	COMPANY / ORGANIZATION	EMAIL	PHONE NUMBER
Charles Cauley	C.W. Cauley + Son, Inc.	charles2301@hotmail.com	276-692-5011
JON PARIS	ANDERSON CONSTRUCTION	jparis@andersonconst.com	434-485-2165
Connie Gibson	Pittsylvania County	Connie.gibson@pittgov.org	434-432-7744 434-549-8504
Leslie Mantiply	Dewberry	lmantiply@dewberry.com	
Scott Ehrhardt	Dewberry	sehrhardt@dewberry.com	434-549-8503
Shannon Higgins	VA Site Works	M.Higgins@vasiteworks.com	434-547-6525
CHRIS ADCOCK	PITTS CO. PW	CHRIS.ADCOCK@PITTSOV.ORG	434-713-0250

**Town of Hurt, Virginia**  
**Authorization to Engage in Contractual Work Inside Corporate Limits**

Date: \_\_\_\_\_ Virginia DPOR License # \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Contact Phone Number \_\_\_\_\_

Address: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Purpose of Request (Please describe work being done):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Applicant Signature \_\_\_\_\_ Date \_\_\_\_\_

-----  
**Office Use Only**

Town Official (printed name and title) \_\_\_\_\_

\_\_\_\_\_ Approved      \_\_\_\_\_ Declined      Date \_\_\_\_\_

Official Signature \_\_\_\_\_



**DISTRIBUTION OF PLANS AND SPECIFICATIONS/PLAN DEPOSIT REPORT**

Project Name: SVMP Pump Station and Forcemain

Client: Pittsylvania County Public Works

Bid Date/Time/Place: March 29, 2022 / 1 PM / Pittsylvania County Central Office, 1 Center Street, Chatham, VA 24531

P&S No.	Contractor Ship/Mail Address, Telephone No. & Fax	Ship/Date Via	Date Addenda Sent		
			1	2	3
1.	<p>Dewberry – Leslie Mantipl  <a href="mailto:aarnold@dewberry.com">aarnold@dewberry.com</a></p> <p>Connie Gibson                      1 Center Street                      P.O. Box 426                      Chatham, VA 24531  <a href="mailto:Connie.Gibson@pittgov.org">Connie.Gibson@pittgov.org</a></p> <p>Chris Adcock                      405 R&amp;L Smith Drive                      Danville, VA 24540                      P.O. Box 426                      Chatham, VA 24531  <a href="mailto:Chris.Adcock@pittgov.org">Chris.Adcock@pittgov.org</a></p> <p>Cindy Poliachik                      Construction Bid Source  <a href="mailto:cpoliachik@constructionbidsource.com">cpoliachik@constructionbidsource.com</a></p> <p>Charles Cauley                      CW Cauley &amp; Son  <a href="mailto:charles2301@hotmail.com">charles2301@hotmail.com</a></p> <p>Jon Paris, ESTIMATOR                      Anderson Construction  <a href="mailto:jparis@andersonconst.com">jparis@andersonconst.com</a></p>	<p>Electronic 3/4</p> <p>Electronic 3/4</p> <p>Electronic 3/7</p> <p>Electronic 3/7</p> <p>Electronic 3/9</p>			

**DISTRIBUTION OF PLANS AND SPECIFICATIONS/PLAN DEPOSIT REPORT**

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	<p>Tony DeGuiseppi, E.I.T., Business Development Manager Abel Recon <a href="mailto:tonyd@abelrecon.com">tonyd@abelrecon.com</a></p> <p>Amy Xie, Senior Content Specialist ConstructConnect <a href="mailto:Amy.Xie@constructconnect.com">Amy.Xie@constructconnect.com</a></p> <p>Ryan Abbott HG Reynolds <a href="mailto:rabbott@hgreynolds.net">rabbott@hgreynolds.net</a></p> <p>Alex Gugliada, Document Coordinator Dodge Construction <a href="mailto:alex.gugliada@construction.com">alex.gugliada@construction.com</a></p> <p>Brent Sheets Outside Sales Representative Core &amp; Main Roanoke, VA Branch 557 <a href="mailto:Brent.Sheets@coreandmain.com">Brent.Sheets@coreandmain.com</a></p> <p>Tammy Concrete Foundations, Inc. <a href="mailto:concretefoundationsinc@yahoo.com">concretefoundationsinc@yahoo.com</a></p>	<p>Electronic 3/8</p> <p>Electronic 3/8</p> <p>Electronic 3/14</p> <p>Electronic 3/14</p> <p>Electronic 3/18</p> <p>Electronic 3/21</p>			
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## EQUIPMENT QUOTATION

<b>Contact</b>	Chris Adcock		<b>Date</b>	March 15, 2022
<b>Company</b>	Pittsylvania County Virginia		<b>Quote Number</b>	
<b>Project</b>	Hurt VA		<b>Quote Firm For</b>	30 Days
<b>Engineer</b>	Dewberry		<b>Attachments</b>	
<b>Salesman</b>	Tom Thomas			

Item	Qty	Unit Price	Manufacturer and Description	Extended Price
1	2		KSB submersible pump Model KRT F 80-217/ 72XEG S capable of delivering 150 gpm @ 84' TDH w/ 10 HP, 230/460v 3 phase submersible motor. Includes Base Elbow, upper rail support, intermediate rail support. 50' power cable, non-witnessed certified testing, pump safe relay for moisture / thermal protection.	
2	1		Onsite startup and training per day	

TENCARVA will do no construction or unloading.

<b>Delivery Terms:</b>	Freight pre-pay and Add, Estimated Weeks upon approved submittal.
<b>Credit Terms:</b>	Net 30 Days from Date of Invoices, No Retainages Allowed, 1-1/2% monthly on unpaid balance.
<b>Notes:</b>	Guide Rails, Spare parts, spare pump, wet well, anchor bolts, external piping, telemetry, generator, trash basket, or anything not specifically mentioned above is not included. See Attached Terms & Conditions
<b>Quote Accepted By:</b>	<b>Quote Submitted By:</b> Tom Thomas
<b>Date Quote Accepted:</b>	<b>Date Quote Submitted:</b> March 15, 2022

Project **Hurt VA**  
 Customer pos.no  
 Project ID **Dewberry**  
 Pos.no **2**  
 Created by



Page 1 / 5

Created 2022-03-15  
 Update 2022-03-15

## Data sheet

### Pump type

### KRT F 80-217/72XEG-S IE3

#### Operating data

Flow	153	US g.p.m.	Fluid		
Head	87.8	ft	Density of fluid	62.3	lb/ft <sup>3</sup>
Operating speed	3,520	rpm	Viscosity	1.08E-5	ft <sup>2</sup> /s
Shaft power	8.71	hp	Temperature	68	°F
Efficiency	38.9	%	Hydraulic acceptance acc.	ANSI HI § 4.4.2	
Required pump NPSH	19.9	ft			
Head H(Q=0)	106	ft			
Application range	Head		Flow		
	From	105	ft	4.81	US g.p.m.
	To	27.5	ft	337	US g.p.m.

#### Design

Make	KSB	Impeller type	Vortex impeller		
Design	Submersible pump		Open		
Series	KRT F	Impeller size	( 160 )	6 5/16	inch
Frame size	80-217		Max. ( 200 )	7 7/8	inch
Stages	1		Min. ( 130 )	5 1/8	inch
Curve number	K43503/0	Free passage	3 inch		
		Weight	lb		
Type of bearings	Antifriction				
Nos. of bearings	1 / 1				
Lubrication	Grease lubrication. lubricated for lifetime				
Suction port	Pressure rating		---		
	Flange size	DN0	---		
	Flange size	DN1	4"		
	Norm		---		
Discharge port	Pressure rating		CLASS 125		
	Flange size	DN2	3 inch		
	Flange size	DN3	3 inch		
	Norm		ASME/ANSI B16.1		
Suction port: pump (DN1)			Discharge port: discharge elbow (DN3)		

#### Materials

Pump casing	Grey cast iron EN-GJL-250 (A 48 Class 35B)
Discharge cover	Grey cast iron EN-GJL-250 (A 48 Class 35B)
Impeller	Grey cast iron EN-GJL-250 (A 48 Class 35B)
Shaft	Stainless steel EN-1.4021+QT800 (A 276 Type 420)
Bearing bracket	Grey cast iron EN-GJL-250 (A 48 Class 35B)
Motor casing	Grey cast iron EN-GJL-250 (A 48 Class 35B)
Bolts. nuts	Stainless steel A4 (EN-1.4571) (A 276 Type 316)
Cooling jacket	---
Shaft protection sleeve	---
Casing wear ring	
Impeller wear ring	
O-Rings	Nitrile rubber (NBR)

2021/06/02 (Build 213), 32 bit R16.07.01 - 05-08-2021 ALL USA

Project **Dewberry**  
Customer pos.no  
Project ID **Hurt VA**  
Pos.no **2**  
Created by



## Data sheet

### Pump type

**KRT F 80-217/72XEG-S IE3**

### Shaft seal

Type of seal	Double mechanical seal
Arrangement:	Tandem
Seal on medium side	with elastomer bellows
Mechanical seal. pump-side	Silicon carbide / Silicon carbide
Mechanical seal. bearing-side	Carbon / Silicon carbide

### Monitoring

Thermal winding protection	By temperature sensitive switches
Explosion proof protection	By PTC (Explosion proof models only)
Motor housing monitoring	By conductive moisture sensor electrode
Mechanical seal leakage detection	---
Bearing temperature monitoring	---

### Coating

Preparatory treatment	SSPC near white SP 10
Blasting method	Steel grit blasting
Primer	Zinc phosphate or Zinc dust
Dry film thickness primer	> 1 1/2 mils (35 microns)
Top coat	2-component epoxy resin
Solids content	> 82 %
Dry film thickness top coat	> 6 mils (150 microns)
Color	Ultramarine Blue (RAL 5002 to DIN 6174)

### Installation

#### INSTALLATION

Type of installation: Wet well installation designed for automatic connection to a permanently installed discharge elbow

Discharge elbow size (DN2/DN3): 3 inch / 3 inch

Flange to suit : ASME/ANSI B16.1, CLASS 125

Claw : Bolted to the pump

Guide system : Double guide bars, by contractor

Guide bar : 2" diameter pipes

dimension

Installation depth : 15 ft (4.5 m)

Lifting device :

Length of : 33 ft (10 m)

lifting device

Lifting loops : Every 8 ft (2.5 m )

Installation : Discharge elbow, 3 inch / {P.PartNo[Co, accessories GuideRail].Bend DN DS[Co];;0}

fasteners,  
claw, bracket, lifting chain,  
but without guide bars

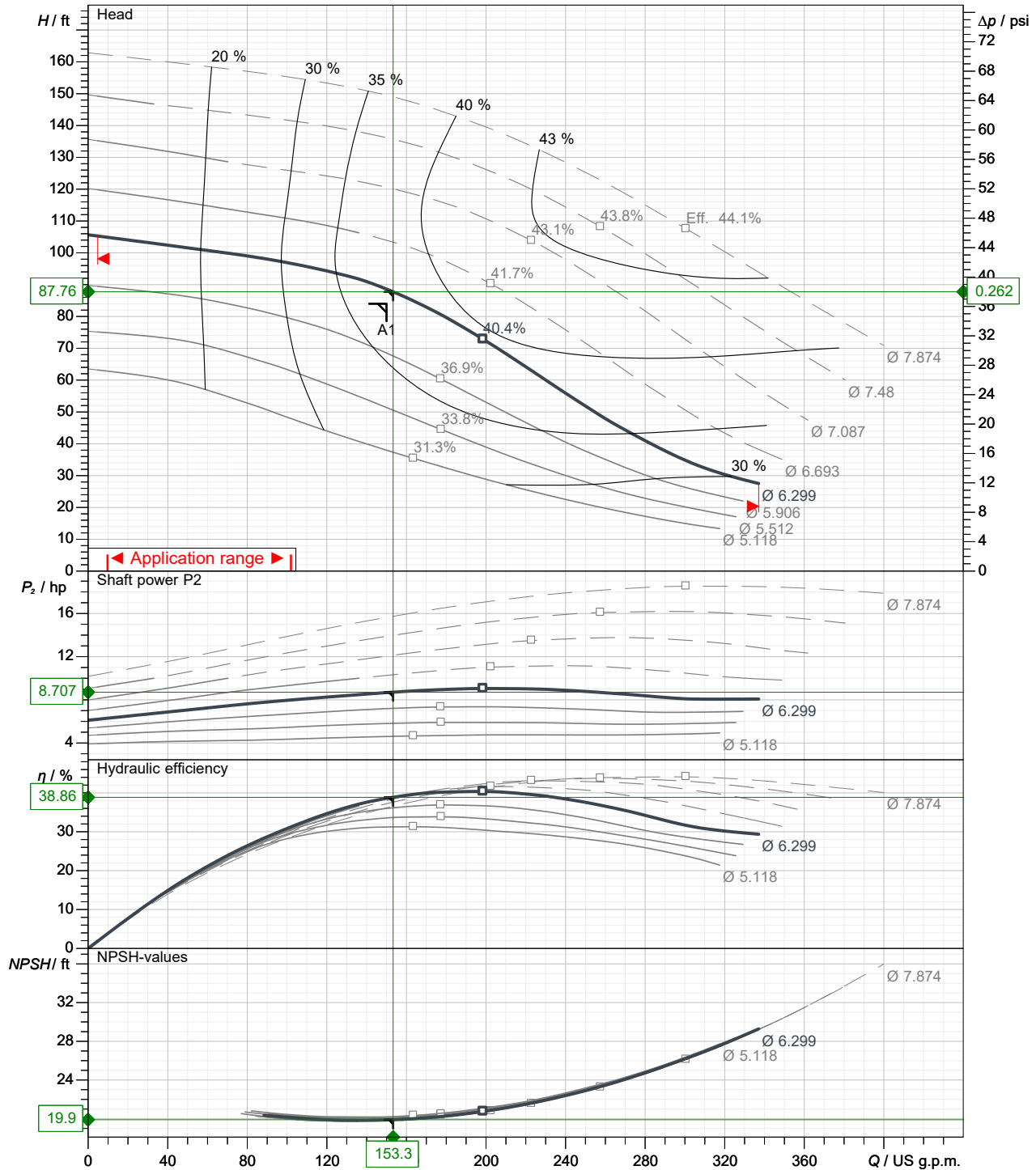
Materials:

Discharge elbow : Grey cast iron EN-GJL-250 (A 48 Class 35B)

**Performance curve**

**Pump type**

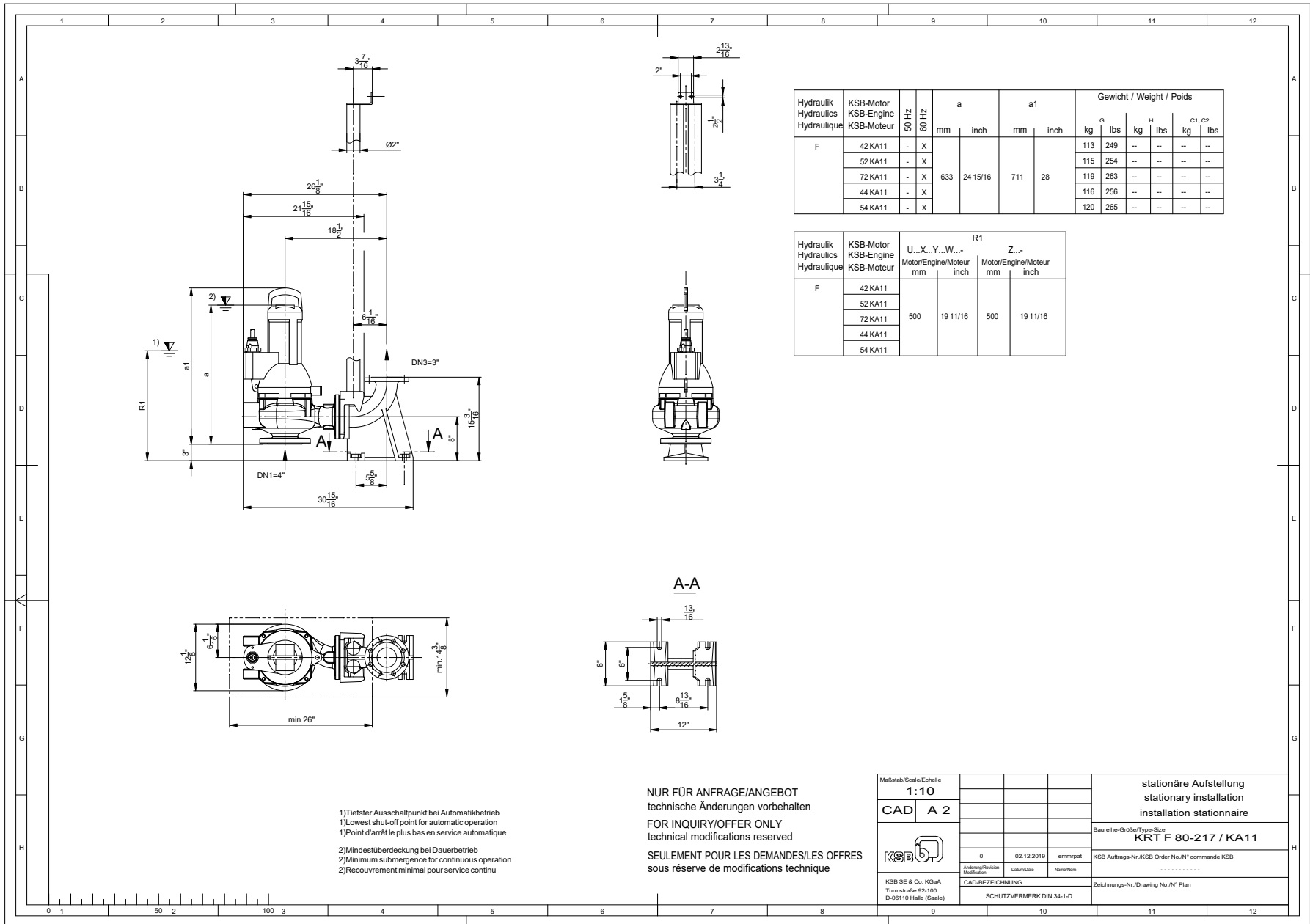
**KRT F 80-217/72XEG-S IE3**



Impeller type	Vortex impeller	Open	Curve number	K43503/0
Free passage	3inøbh		Frequency	60 Hz
Impeller size	6 5/16inch (160)		Speed	3,520 1/min
		Density of fluid	62.322 lb/ft³	ANSI HI § 4.4.2
		Viscosity	1.082E-5 ft²/s	

2021/06/02 (Build 213), 32 bit R16.07.01-05-08-2021 ALIUS/USA

2021/06/02 (Build 213), 32 bit



Hydraulik Hydraulics Hydraulique	KSB-Motor KSB-Engine KSB-Moteur	60 Hz	60 Hz	a		a1		Gewicht / Weight / Poids						
				mm	inch	mm	inch	kg	lbs	G	H	C1, C2	kg	lbs
F	42 KA11	-	X	633	24 15/16	711	28	113	249	--	--	--	--	--
	52 KA11	-	X					115	254	--	--	--	--	
	72 KA11	-	X					119	263	--	--	--	--	
	44 KA11	-	X					116	256	--	--	--	--	
	54 KA11	-	X					120	265	--	--	--	--	

Hydraulik Hydraulics Hydraulique	KSB-Motor KSB-Engine KSB-Moteur	R1			
		U...X...Y...W...- Motor/Engine/Moteur		Z...- Motor/Engine/Moteur	
		mm	inch	mm	inch
F	42 KA11	500	19 11/16	500	19 11/16
	52 KA11				
	72 KA11				
	44 KA11				
	54 KA11				

- 1) Tiefster Ausschaltpunkt bei Automatikbetrieb  
1) Lowest shut-off point for automatic operation  
1) Point d'arrêt le plus bas en service automatique
- 2) Mindestüberdeckung bei Dauerbetrieb  
2) Minimum submergence for continuous operation  
2) Recouvrement minimal pour service continu

NUR FÜR ANFRAGE/ANGEBOT  
technische Änderungen vorbehalten  
FOR INQUIRY/OFFER ONLY  
technical modifications reserved  
SEULEMENT POUR LES DEMANDES/LES OFFRES  
sous réserve de modifications technique

Maßstab/Scale/Echelle <b>1:10</b>				stationäre Aufstellung stationary installation installation stationnaire	
CAD A 2				Baureihe-Größe/Type-Size <b>KRT F 80-217 / KA11</b>	
KSB		0 02.12.2019 emmpat		KSB Auftrags-Nr./KSB Order No./N° commande KSB .....	
KSB SE & Co. KGAA Turmstraße 92-100 D-06110 Halle (Saale)		CAD-BEZEICHNUNG SCHUTZVERMERK DIN 34-1-D		Zeichnungs-Nr./Drawing No./N° Plan .....	

Project **Hurt VA**  
 Customer pos.no  
 Project ID **Dewberry**  
 Created by  
 Pos.no **2**



Page 13 / 13  
 2022-03-15  
 2022-03-15

Created  
 Update

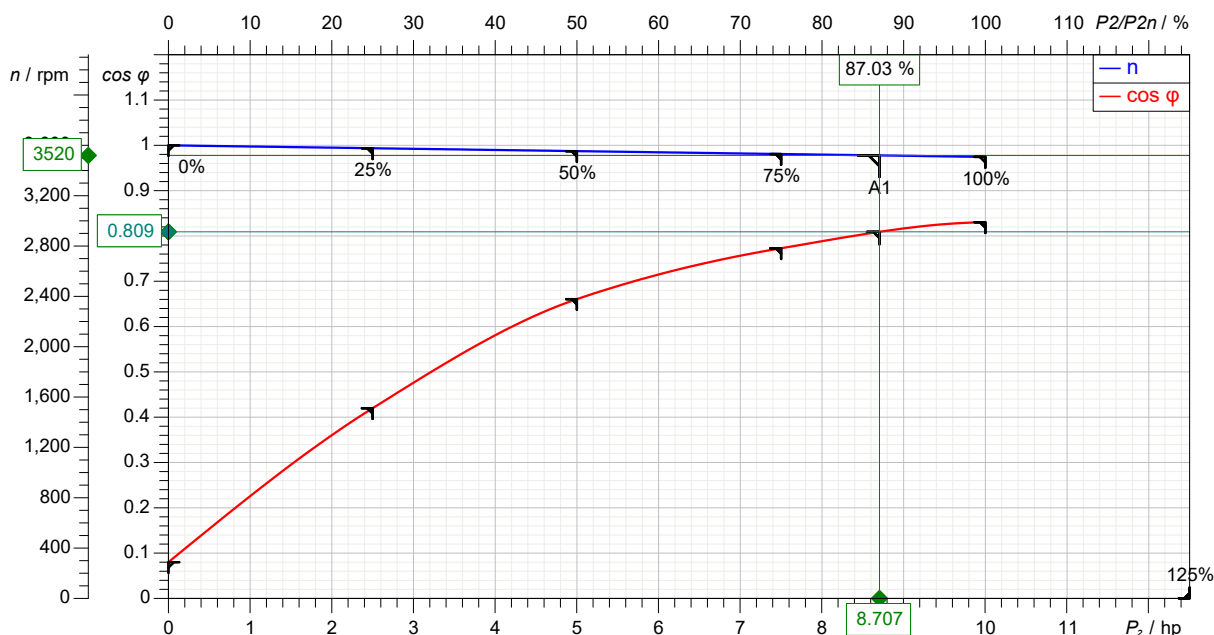
### Data sheet: Motor data

#### Motor type **72XEG IE3**

Motor manufacturer	KSB SE & Co. KGaA	Rated voltage	460	V
Design acc. standard	IE3	Rated frequency	60	Hz
Service factor	1.14	Rated HP (D.O.L) or VFD	10	hp
Degree of protection	IP68	Rated current	12.5	A
Insulation class		Nominal speed	3,508	rpm
Starting mode	Direct starting	NEMA code letter	G	
No. starts / h	30	Starting to rated current	6	
Coolant temperature	< / = 104 °F (40 °C)	Starting current	75	A
Motor casing	Grey cast iron EN-GJL-250 (A 48 Class 35B)			
Explosion protection	Class I, Div. 1, Groups C&D T <sub>3</sub>			
Pump type	KRT F 80-217/72XEG-S IE3			

Load	P1 kW	P2 hp	eta %	cos phi	I A
4/4	8.27	10.0	90.2	0.83	12.5
3/4	6.22	7.5	90.0	0.77	10.1
2/4	4.16	5.0	89.6	0.66	7.9
1/4	2.18	2.5	85.5	0.42	6.5

Main cable 1 x AWG 15-12 Diameter 0.65 inch...0.69 inch  
 Control cable --- Diameter  
 Cable. outer sheath Waterproof synthetic rubber compound  
 Cable length 33 ft (10 m)



KSB Inc., 4415 Sarellen Road, Richmond, Virginia 23231, Phone: 001-804-222-1818, Fax: 001-804-226-6961  
 KSB Pumps Inc, 5885 Kennedy Road, Mississauga, Ontario L4Z 2G3 (Canada), Phone: (0905) 568-9200, Fax: (0905) 568-9120

KSB SE & Co. KGaA, Turmstrasse 92, 06110 Halle (Germany), Phone +49 (345) 48260, Fax +49 (345) 4826 4699, www.ksb.com



## TERMS AND CONDITIONS

Project	Customer	TMC Job#
---------	----------	----------

1. **TERMS:** The terms of payment for equipment, subject to credit approval, of this proposal are strictly **Net 30 days** from date of shipment. **No Retainage is allowed.** Failure to comply with these terms will result in suspension of further goods or services which may be due on this order. Interest in the amount of 1.5% per month will be added to all invoices not paid within 30 days from the date of the invoice and will continue to apply after any Court Judgement obtained against the customer. If the customer's offer is not received during the period stated in the QUOTATION, the seller reserves the right to void the QUOTATION. In the event seller retains an attorney to enforce it's rights, customer agrees to pay reasonable attorney's fees, plus other fees and expenses related thereto.

**SPECIFICATIONS AND GENERAL CONDITIONS:** The equipment will comply with any specifications listed in the Purchase Order. Any project general conditions or specifications are specifically not included in these terms and conditions.

2. **CHANGES:** Complete submittal data (including installation instructions) on all equipment will be provided for engineering approval, showing general arrangement and approximate dimensions. Any change in layouts or design required by the customer after engineering approval and release to manufacturer for production will be made at Customer's expense and will require a written Change Order.

3. **DELIVERY:** Unless otherwise specified, delivery times quoted are figured from the date of receipt of complete technical data and approved drawings. Statements as to expected shipping dates from the factory represent our best judgement based on information supplied to us. The Seller will not be held liable for damages, either direct or indirect, consequential, incidental, special, or liquidated, arising from delay in shipment or delivery. Any loss, damage or delay caused by fire, flood, weather, or other acts of the elements, breakdowns, lockouts, strikes or labor disputes, the failure of suppliers to meet their contractual obligations or any other cause beyond the reasonable control of the Seller, are hereby waived, as are all claims for loss or damage due to delay. It is agreed and understood that the Equipment will be billed on the date the equipment is ready for shipment and payment will be due thirty (30) days from that date (subject to credit approval). Storage charges will begin to accrue 30 days from the invoice date, and become first due sixty (60) days after the invoice date. Storage charges shall continue to accrue until delivery.

4. **SHIPMENT:** Shipment terms are F.O.B. place of manufacture with freight allowed to the job site. The buyer will have the responsibility for unloading the equipment from the carrier and for storing the same prior to installation. The Customer will store and install the equipment after delivery and shall bear full responsibility for the equipment during this period. Risk of damage and loss, as well as title, shall pass to Customer after delivery to the carrier.

5. **START-UP::** The Seller will provide the number of days start-up services as stated in the quotation. Additional time for start-up services above the quoted number of days (other than warranty work) will be on a per diem basis and will require a written Purchase Order. The Seller requires 14 days notice to assure being on the job site for start-up at a specific time.

6. **WARRANTY:** All equipment is warranted by the manufacturer, Tencarva Machinery Company makes no additional warranties. The warranty covers defects in materials and workmanship only, and does not cover items consumed in normal operation or maintenance. **SELLER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER, INCLUDING WITHOUT LIMITATION, THE CONDITION OF THE EQUIPMENT, IT'S MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. SELLER SHALL NOT BE LIABLE FOR ANY DAMAGES BY REASON OF FAILURE OF THE EQUIPMENT TO OPERATE OR OF FAULTY OPERATION OF THE EQUIPMENT. SELLER SHALL NOT BE HELD RESPONSIBLE FOR ANY DIRECT, INCIDENTAL, LIQUIDATED OR CONSEQUENTIAL DAMAGES, OR LOSSES RESULTING FROM THE INSTALLATION, OPERATION OR USE OF THE EQUIPMENT.** Seller's liability for breach of warranty hereunder is limited solely and exclusively to THE repair or replacement of the equipment, in Seller's sole discretion. This shall constitute Customer's sole and exclusive remedy for any breach by Seller of it's warranty. In any event, no claim of any kind, whether as to the Equipment delivered of later delivery or non-delivery, shall be greater than the amount of the purchase price of the Equipment.

7. **OFFER AND ACCEPTANCE:** This proposal is an invitation to deal and is not intended by the Seller as an offer to sell. The buyer may offer to buy the equipment by executing the offer to purchase below which may be accepted by the Seller. The Seller reserves any and all rights and remedies provided for by law, specifically including all lien and bond rights. Orders may be cancelled only with Seller's written consent and on terms which will indemnify Seller against loss. The general conditions and specifications and other condition of Seller's Terms and Conditions shall control where there is any inconsistency between terms and conditions contained in the Seller's Terms and Conditions and any terms, conditions or provisions of Buyer's Contact documents. The Seller is not responsible for and does not agree to any liquidated damage or penalty provisions. These terms and conditions will supersede all other terms and conditions pertaining to this proposal.

<b>OFFER TO PURCHASE:</b> Buyer hereby offers to purchase the equipment goods and services described herein in accordance with the terms and condition set fourth above.	<b>ACCEPTANCE:</b> Seller hereby accepts Buyer's offer to purchase.
BY:	BY:
DATE	DATE: