

100% Pd w/ ARPA Funds



**DELAWARE ENGINEERING, D.P.C.**

28 Madison Avenue Extension Albany, New York 12203 Tel: 518.452.1290 Fax: 518.452.1335

ADVERTISEMENT

The Town of Cairo, in Greene County, NY is soliciting proposals from Contractors to furnish and install water supply pumps and piping to replace the existing pumps at the Town's Well #1 located in Angelo Canna Town Park. Plans and Bid documents may be obtained at no charge from the Town Clerk, 512 who can be contacted at (518) 622-3120, Ext. 101. Questions should be addressed to Anthony Mantas at Delaware Engineering at 518-452-1290. Quotations are due 12:00 pm February 20, 2024 to the Cairo Town Clerk, 512 Main St., PO Box 728, Cairo, NY 12413 Phone (518) 943-3830. Quotes may also be e-mailed to the Town Clerk at [townclerk@townofcairo.com](mailto:townclerk@townofcairo.com)

PROPOSAL FORM

Proposal of (Company Name) Flach Industries, Inc. to furnish and deliver all material and do and perform all work in accordance with the RFP, Plan and Terms & Conditions for Town of Cairo, Water Supply Well #1 Pump Replacement, Greene County, New York.

The undersigned bidder has carefully examined the site of the work, is familiar with existing conditions, and has carefully examined the Plans, Specifications, Contract Documents, and Addenda. The Contractor shall provide all necessary insurance, bonds, machinery, tools, apparatus, falsework and other means of construction, and do all the work and furnish all the materials called for by said contract according to the following Lump Sum and unit quantities. Bids must be legible, contain no omissions, alterations, or additions. All items are to be furnished and installed in place complete.

The undersigned Bidder, having familiarized themselves with the complete Contract Documents (plans, RFP and Terms and Conditions), and all matters affecting the cost of the Work, hereby proposes to complete all Work as specified or

indicated in here-in for the Lump Sum Prices of: \$ 27,650<sup>00</sup>

The undersigned also agrees as follows:

1. The total contract price bid shall be accepted as full compensation for the complete work subject to add changes agreed upon by OWNER in writing;
2. Within five (5) days from the date of "Notice of Award" of the Proposal, to execute the contract and to furnish any required documentation.
3. To begin work no later than ten (10) days after receipt of "Notice to Proceed."
4. To make the work substantially complete and operational within 30-days from the date of issuance of said notice.
5. To comply with the Terms and Conditions set forth in the bidding documents.

Non-collusion Affidavit (attached) must be completed and returned with the Bid.

BIDDER: Flach Industries, Inc.

NAME, TITLE: Curtis Flach - Project Manager

SIGNATURE: [Signature] DATE: 02/20/24

ADDRESS: 1521 Route 9W, PO Box 295 Selkirk NY 12158

PHONE: 518 463 0811 E-MAIL: cflach@flachindustries.com

55 South Main St, Oneonta, New York 13820 · Phone (607) 432-8073  
16 East Market St, Red Hook, New York 12571 · Phone (518) 452-1290  
223 Main St, Suite 103, Goshen, New York 10924 · Phone (845) 615-9232  
548 Broadway, Monticello, New York 12701 · Phone (845) 791-7777  
14-20 Willett Avenue, Suite 202, Port Chester, 10573

RECEIVED FEB 20 2024  
TOWN OF CAIRO  
512 MAIN ST  
CAIRO, NY 12413  
PHONE: (518) 943-3830  
FAX: (518) 943-3830

NON-COLLUSION AFFIDAVIT OF BIDDER

State of NY ) County of Albany )

Curtis Flach, being first duly sworn, deposes and says that:

1. He is (owner, partner, officer, representative, or agent) of Flach Industries Inc., the Bidder that has submitted the attached Bid;
2. He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;
3. Such Bid is genuine and is not a collusive or sham Bid;
4. By submission of this Bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief;
  - a. The prices in this Bid, have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
  - b. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
  - c. No attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a Bid for the purpose of restricting competition.

A Bid shall not be considered for award nor shall any award be made where clauses 4-a, b, and c above have not been complied with; provided however, that if in any case the Bidder cannot make the foregoing certification, the Bidder shall so state and shall furnish with the Bid a signed statement which sets forth in detail the reasons therefore. Where 4-a, b, and c above have not been complied with, the Bid shall not be considered for award nor shall any award be made unless the head of the purchasing unit of the state, public department or agency to which the Bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a Bidder (i) has published price lists, rates, or tariffs covering items being procured, (ii) has informed prospective customers of proposed or pending publication of new or revised price lists for such items, or (iii) has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of clause 4-b.

Any Bid hereafter made to the Municipality or any public department, agency or official thereof by a corporate Bidder for work or services performed or to be performed or goods sold or to be sold, where competitive bidding is required by statute, rule or regulation, and where such Bid contains the certification referred to in subparagraph 4-b, of this section, shall be deemed to have been authorized by the Board of Directors of the Bidder and such authorization shall be deemed to include the signing and submission of the Bid and the inclusion therein of the certificate as to non-collusion as the act and deed of the corporation.

5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affidavit.

Signed: [Signature], Title: Project Manager

Subscribed and sworn to before me this 20 day of February, 2024.

Brenda Lee Duncan Notary Public, My Commission expires 01/02/2027

**BRENDA LEE DUNCAN**  
Notary Public - State of New York  
No. 01DU6153429  
Qualified in Albany County  
My Commission Expires Jan. 02, 2027

**ARTICLE 1.0 - GENERAL CONDITIONS**

1. The Town of Cairo is soliciting proposals for supply and installation of two new water supply well pumps in its Well #1 located in Angelo Canna Town Park.
2. Contractors shall supply all additional parts and materials to install and make functional the new pumps.
3. Electrical work will be completed separately for the Town by CDE Electric of Cairo, NY.
4. Additional Terms and Conditions are as follow:

**ARTICLE 2.0 - AVAILABILITY OF LANDS, PHYSICAL CONDITION, REFERENCE POINTS**

1. The well house has two wells which cannot pump to the new (higher) water tank and these wells are to be removed and the new pumps installed in their place.
2. The work site is in a public park and accessible during regular business hours unless special events limit traffic in and out of the park.
3. The Contractor shall notify the OWNER of anticipated work two days in advance to allow for coordination of the work with the Water Department and Engineers.

**ARTICLE 3.0 - BONDS AND INSURANCE**

- a. No performance or payment bonds are required.
- b. Contractor's proof of Insurance shall be provided along with copies of all required insurance documents prior to commencing work.
- c. Statutory Requirements. The contractor shall secure and keep in force all insurances in such amounts as are required by New York State Law and the laws of the United States, including: Worker's Compensation Insurance, NYS Disability Insurance, Unemployment Insurance.
- d. Commercial General Liability Insurance, written on an occurrence form, on a primary and non-contributory basis, by insurance companies authorized to write insurance in New York, insuring against bodily injury and property damage in the following amounts:
  - i. Each Occurrence - \$1 million.
  - ii. General Aggregate - \$2 million
  - iii. Fire Damage – any one fire \$50,000 dollars
  - iv. Medical Expense – any one person \$5,000 dollars
  - v. Property Damage insurance to include coverage for explosion, collapse and underground hazards.
- e. Automobile Liability insurance covering bodily injury and property damage for owned, non-owned and hired motor vehicles with a combined single limit of liability in the amount of \$1,000,000.
- f. Parties Named as Additional Insured. The OWNER, its officers and employees shall be named as additional insured on a primary basis.
- g. Above insurance requirements shall be binding on Subcontractors as well as the General Contractor, who shall provide proof of insurance for any Subcontractor prior to their working on the site.

**ARTICLE 3.0 - CONSTRUCTION SCHEDULE**

1. Upon receipt of all Insurance Certificates, other documentation (if any) and Contract Signature, the ENGINEER will issue a Notice to Proceed.
2. CONTRACTOR shall make the work substantially complete and functional within 60-days of Notice to Proceed.
3. If CONTRACTOR at any time feels he cannot complete the work in the time allotted, CONTRACTOR shall notify ENGINEER immediately, giving the causes of delay and proposed additional time to complete work.

**ARTICLE 4.0 - PAYMENT**

1. Payment applications are to be submitted to the Engineer for review and to make recommendations on payment.
2. FINAL PAYMENT - After final inspection and acceptance by the OWNER of all materials and services furnished under the Contract, final payment to the CONTRACTOR shall be made subject to his furnishing the OWNER with a release in satisfactory form of all claims against the OWNER arising under and by virtue of his Contract.
3. RESOLUTION OF CLAIMS
  - a. All claims between the parties, including all claims for additional compensation and/or additional time, shall be made within 14-days of the event or action giving rise to the claim and be presented to the ENGINEER with a Change Order Form. Any claim not presented within the time limit specified in this paragraph shall be deemed to have been waived.
  - b. ENGINEER shall, within 14-days of the claim present his recommendation to the CONTRACTOR and the OWNER, who will provide a final determination to approve deny or negotiate the Claim.

**ARTICLE 5.0 - MATERIALS AND WORKMANSHIP**

1. Unless otherwise specifically provided for in the Technical Specifications, all workmanship, equipment, materials and articles incorporated in the work shall be new and the best grade of respective kinds for the purpose. If the materials are not in conformity with the Contract Drawings and Specifications, the materials shall be removed and replaced or otherwise corrected by and at the expense of the CONTRACTOR.

**ARTICLE 6.0 - WARRANTY AND GUARANTEE**

1. Warranty Of Title - The CONTRACTOR shall warrant good title to all materials, supplies and equipment, and shall deliver the same to the OWNER free from any claims, liens or charges.
2. The CONTRACTOR shall furnish a one-year Warranty, with respect to all materials and workmanship. This Warranty shall commence upon Final Completion of the work, regardless of earlier occupancy or use of parts of the work. All Warranty issues identified by the ENGINEER in writing during the Warranty period shall be resolved by the CONTRACTOR to the OWNER's satisfaction.
3. MAINTENANCE OBLIGATION - If, at any time during the performance of the Contract, defects in the equipment or materials develop or are discovered, the CONTRACTOR shall promptly repair or replace the defective workmanship or materials even though such workmanship or materials have already passed inspection.

**ARTICLE 7.0 - LAWS AND REGULATIONS**

1. All equipment and materials supplied shall conform to OSHA and to the Industrial Code of the State of New York.
2. Safety and Health Regulations: The CONTRACTOR shall comply with the Department of Labor Safety and Health Regulations for construction promulgated under the Occupational Safety and Health Act of 1970 (PL 596) and under Section 107 of the Contract Work Hours and Safety Standards Act (PL 91 54).
3. The CONTRACTOR shall at all times, comply with the latest applicable State Laws pertaining to the Safety of Workers in the Construction Field.
4. The project is subject to NYS Prevailing Wage Rates.
  - a. The labor on this contract shall be performed in accordance with the requirements of Article 8 (Sections 220-223) of the New York State Labor Law.
  - b. Certified Payroll shall be provided.
  - c. For partnerships or sole proprietors reporting is a simple one-page form which the Engineer will provide.

**ARTICLE 8.0 - TAX EXEMPTION**

1. OWNER is exempt from payment of sales and compensating use taxes of the State of New York and cities and counties on all materials to be incorporated into the work;
2. OWNER shall furnish the required certificates of tax exemptions to the CONTRACTOR for use in the purchase of supplies and materials.
3. OWNER's exemption does not apply to construction tools, machinery, equipment, or other property purchased by or leased by the CONTRACTOR, or to supplies or materials not incorporated into the work.

**ARTICLE 9.0 - SUBMITTALS, TESTING, AND INSPECTION**

1. CONTRACTOR shall furnish Shop Drawings and product data to the ENGINEER as requested for review and approval.
2. Whenever a material, article or piece of equipment is identified on the Contract Drawings or in the Specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, etc., the intent is to establish a standard. "Or-Equal" substitutions shall only be made with the ENGINEER's approval.

**ARTICLE 10.0 - TEMPORARY FACILITIES AND MAINTENANCE**

1. The OWNER will allow temporary power connections where available from existing services.
2. CLEAN-UP - For on-site services, the CONTRACTOR shall maintain all areas of work and storage in a neat and orderly condition at all times and remove all waste and debris at the conclusion of his work.

**ARTICLE 11.0 - TERMINATION OF CONTRACT.**

1. For its own convenience the OWNER may, at any time subsequent to the Notice to Proceed, terminate the Contract by giving unequivocal and unconditional written notice of such termination. In the event of such termination by the OWNER, the OWNER shall be responsible to the CONTRACTOR for costs incurred by the CONTRACTOR in performance of or in anticipation of performance of the Contract provided the CONTRACTOR.

**ARTICLE 12.0 - CONTRACT DOCUMENTS**

1. The contract documents which comprise the entire agreement between OWNER and CONTRACTOR concerning the work consist of the following:
2. Executed Contract.
3. These Terms and Conditions;
4. Request for Proposals;
5. Technical Clarifications issued by the Engineer.

**ARTICLE 13.0 - ENVIRONMENTAL CONTROLS**

1. All materials placed into the well shall be first dipped in 12% hypochlorite and allowed to drain before placing them into the well.
2. CONTRACTOR shall take such measures as may be required to prevent degradation of stream water quality during his work.
3. Any waste materials generated during the work shall be managed in accordance with Article 10.

**ARTICLE 14.0 - PROJECT DIRECTION**

1. The ENGINEER shall:
  - a. Make all decisions as to conformance of the work with the design documents.
  - b. Notify CONTRACTOR and OWNER when work does not conform to design standards and direct that alternate means and methods of construction be employed.

- c. Have the authority to shut-down work where work does not conform to standards or where the ENGINEER believes the work is or will pose imminent hazards to life or property.
2. The CONTRACTOR shall:
  - a. Employ a superintendent competent to act in a site management capacity. Superintendent shall also be the Emergency Contact in the event CONTRACTOR must be contacted while personnel are not on site.
  - b. Provide the necessary equipment and materials needed for completion of the work.
  - c. Notify the Engineer promptly of inconsistencies in the plans and unknown site conditions.
3. The OWNERS shall:
  - a. Secure all necessary permits and approvals and pay all fees.
  - b. Make approved payments in a timely fashion.
  - c. Make decisions on any changes to the project cost or schedule in a timely fashion.

**ARTICLE 16.0 – NON-COLLUSION AFFIDAVIT**

1. All Bidders are required to sign the Non-Collusion Affidavit accompanying these documents.

**ARTICLE 1.0 - GENERAL CONDITIONS**

1. Contractor shall supply submittals for pumps and valving documenting suitability of the materials including the use of "lead-free" valves and fittings.
2. Contractor shall attend a pre-construction meeting with the Town, Engineer and Water System Operators in advance of commencing work.
3. Electrical work will be completed separately for the Town by CDE Electric of Cairo, NY.

**ARTICLE 2.0 - DEMOLITION**

1. The existing Well Pumps and associated piping will be demolished or disassembled and removed from the site and disposed of.
2. Any incidental damage done shall be replaced prior to concluding the job and returning the well house to operation.
3. Modify floor penetration(s) as needed for new equipment. Seal any unused penetrations in the floor over the well.

**ARTICLE 3.0 - CONSTRUCTION**

1. Install new 4" concrete housekeeping pad(s) for pumps.
2. Set pumps, shim and level to make pumps plumb and bolt into place.
3. Furnish and install new 3" Schedule 40 Grade 304 or better drop pipe and foot valve into well.
4. Above floor service pipe may be Sch 40 Galvanized steel. Pipes 1" or less shall be rigid copper.
5. Connect pump inlets via a manifold to existing 3" and 4" piping in the well house.
6. Include service unions or flanges on inlet and outlet of each pump.
7. Install two (2) ¾" corporation stops on pump suction line inlet line before check valves
8. Install ¾" copper priming line so that suction is drawing pressurized water and install ¾" VALWORXS Electric Actuated Stainless Steel Ball Valve On/Off 120V power supply by Electrician.
9. Complete final connections to existing 4" FLxFL pipe.
10. Furnish and install NSF approved low level shut-off float switch with 30-ft cord and weight in pump well for wiring by Electrician.

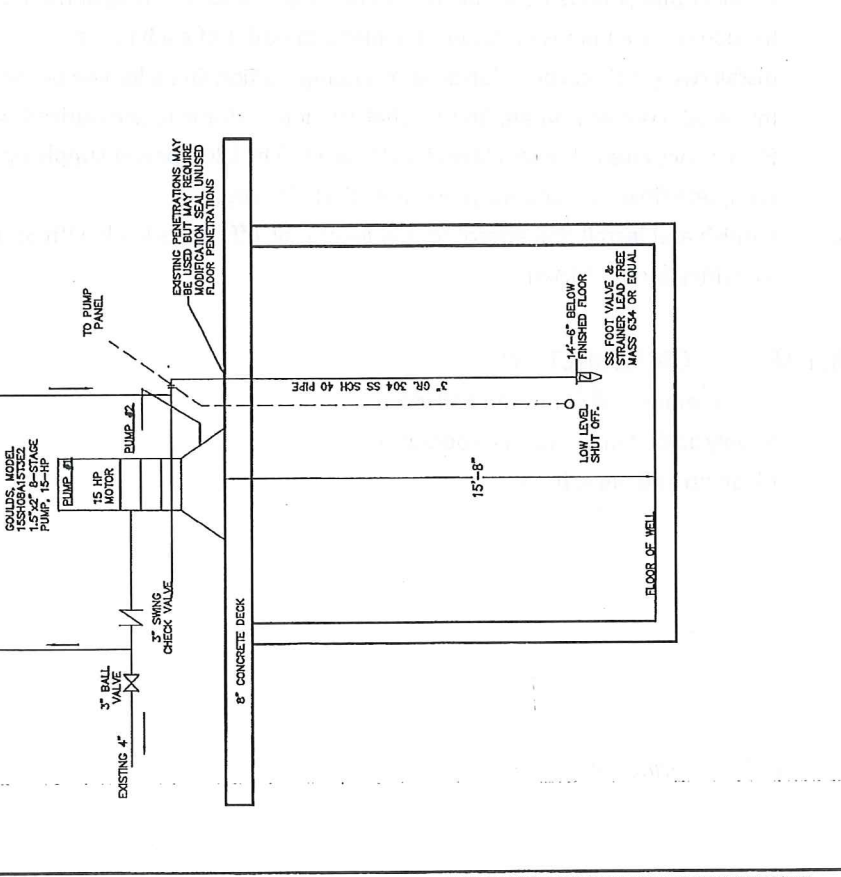
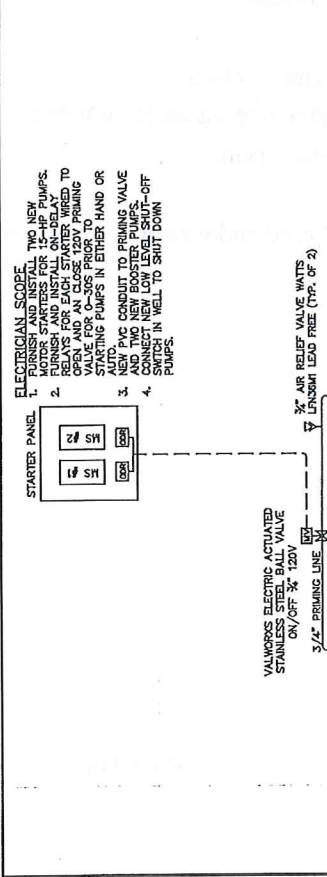
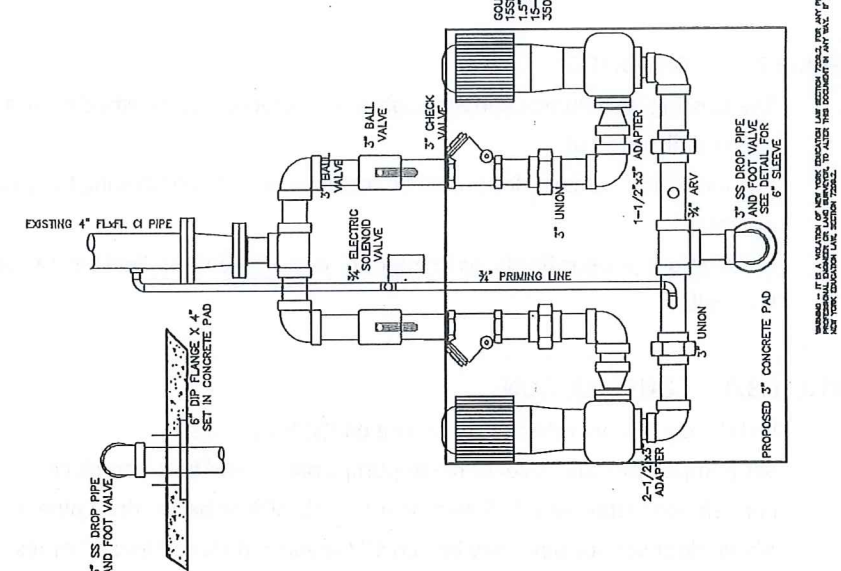
**ARTICLE 3.0 - CONSTRUCTION**

1. Test operation of pumps and all valves.
2. Supply all documentation to operator.
3. Clean up and demobilize.

NO.	DATE	REVISIONS

DELAWARE  
 ENGINEERING, P.C.  
 241 East Delaware Avenue, Dover, DE 19901  
 Phone: (302) 681-1222 - Fax: (302) 681-1233  
 PROJECT NO.: 200X  
 REVISIONS BY: AMT  
 SCALE: AS SHOWN  
 DRAWN BY: AS SHOWN  
 DATE: 10/2014  
 FILE: 10/20/2014

- NOTES:
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE WATER SUPERINTENDENT AND SCHEDULE WORK SO AS NOT TO INTERFERE WITH SAFE, CONTINUED OPERATIONS OF THE TOWN WATER SUPPLY.
  - NEW PIPING SHALL BE SCHEDULE 40 GALVANIZED STEEL OR DUCTILE IRON PIPE.
  - WIRING OF PUMP AND PRIMING VALVE IS EXCLUDED FROM THE WORK AND WILL BE BY THE TOWN'S ELECTRICIAN.
  - CONTRACTOR SHALL FURNISH TWO PUMPS AS SPECIFIED AND FURTHER DETAILED IN THE QUOTATION BY EMERICK ASSOCIATES CONTAINED IN THE BID DOCUMENTS.
  - CONTRACTOR SHALL FURNISH AND INSTALL PRIMING AND AND ELECTRIC ACTUATED PRIMING VALVE.
  - FOOT VALVE IN WELL SHALL BE SS FOOT VALVE & STRAINER LEAD FREE MASS MODEL 634 OR APPROVED EQUAL.
  - AIR RELIEF VALVES SHALL BE 3/4" WATTS MODEL LFN36M1 LEAD FREE OR APPROVED EQUAL.
  - PIPING ARRANGEMENT SHOWS NECESSARY COMPONENTS BUT THEIR ARRANGEMENT MAY NEED TO ADJUST FOR EXISTING CONDITIONS.



WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 205(2), FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTHOUGH THE ALTERNATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NEW YORK EDUCATION LAW SECTION 205(2), THE ALTERNATION SHALL BE MADE AT THE ALTERNATOR'S RISK.



**xylem**  
Let's Solve Water

**EMERICK ASSOCIATES**  
INDUSTRIAL • COMMERCIAL • AND MUNICIPAL PUMPS  
[emerickassociates.com](http://emerickassociates.com)

**Project**  
2024-01-02

**QUOTATION**    \$5,036.00 net each.

Company  
Contact  
Phone No.  
Email

## 15SH08A15T3E2 | Configuration Summary

### PUMP

Pump Size	1.5 x 2.5 - 8	Speed	3500
Installation	Close Coupled		

### MOTOR

Sizing Method	Max. shaft power	Frequency (Hz)	60
Service Factor	1.25	Poles	2
Upsize	No	Enclosure	TEPE
Overloading	Yes	Frame Size	254JM
		Power	11 kW
		Phase (~)	3
		Voltage	208-230/460 V

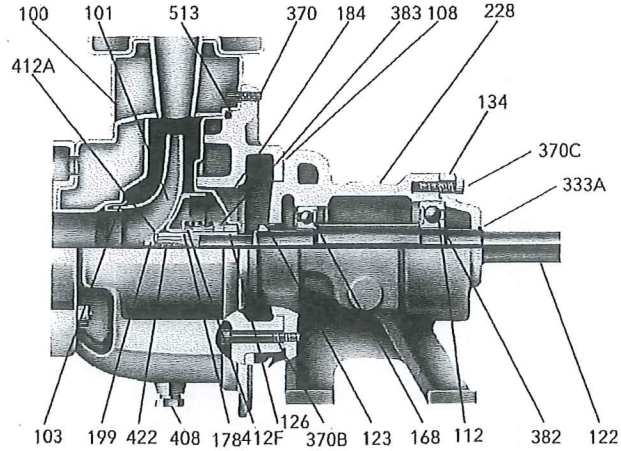
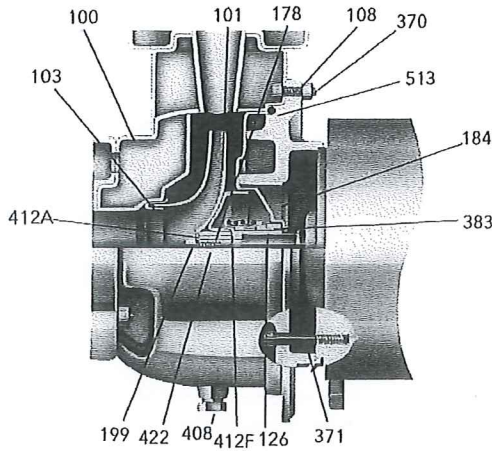
### SEAL

Type of Seal	Type 21	Rotating Face	Carbon
		Stationary Face	Silicon Carbide
		Elastomers	FKM
		Metal Components	316 SS

### STANDARD OPTIONS

Casing Rotation	12 o'clock
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**15SH08A15T3E2 | Product Details**



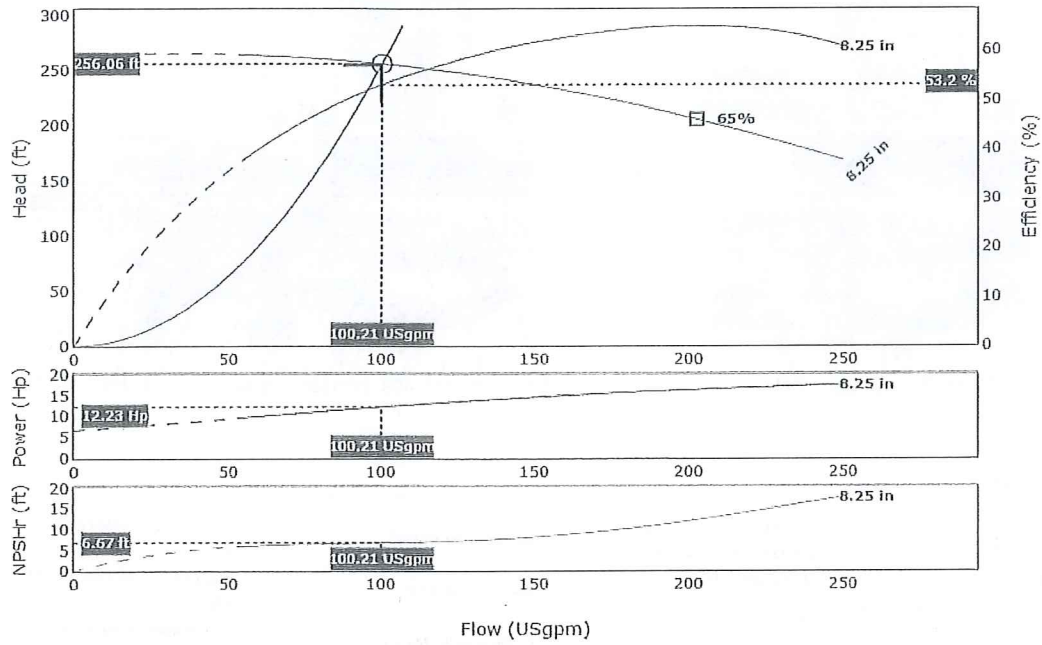
**Material Details**

Seal housing (184)	Stainless steel 316L / EN 10088-1-X2CrNiMo17-12-2 (1.4404)	Impeller washer (199)	Stainless steel CF8M / ASTM A744
Pump shaft (122)	Steel grade 1213 / ASTM A108	Bearing cover (134)	Gray cast iron class 20B / ASTM A48
Hex head cap screw (adapter to bearing frame) (370B)	Steel / SAE J429 Grade 5	O-ring, Impeller (412A)	FKM (standard version) / ASTM D2000
Casing bolt with nut (casing to adapter) (370)	Stainless Steel / ASTM F593/F594	Hex head cap screw (adapter to motor) (371)	Steel / SAE 1200
Deflector (123)	Buna-N / ASTM D2000	V-ring (01SH06, 01SH08, 01SH10, 1XSH06, 1XSH08, 02SH06, 02SH08, 2XSH06) (333A)	Buna-N / ASTM D2000
O-ring, shaft sleeve (412F)	FKM (standard version) / ASTM D2000	Drain plug – 3/8 BSP (408)	Stainless steel / EN 10088-1-X2CrNiMo17-12-2 (1.4401)
Casing (100)	Stainless steel 316L / EN 10088-1-X2CrNiMo17-12-2 (1.4404)	Shaft sleeve (126)	Stainless steel 316 / ASTM A276
Ball bearing (outboard) (112)	Steel	Grease fitting (M-group only) (193)	Steel
Impeller key (178)	Steel / AISI 316L		
Impeller Stud (422)	Carbon steel / ASTM A307		
Adapter (108)	Gray cast Iron class 20B / ASTM A48		
Lip seal (1XSH10, 02SH10, 2XSH08, 2XSH10, 03SH08, 03SH10) (333A)	Steel/Buna-N		
Retaining ring (382)	Steel		
Bearing frame (228)	Gray cast Iron class 20B / ASTM A48 Class 20		
Hex head cap screw (bearing frame to cover) (370C)	Steel / SAE J429 Grade 6		
Wear ring (103)	Stainless steel 316L / EN 10088-1-X2CrNiMo17-12-2 (1.4404)		
Ball bearing (Inboard) (168)	Steel		
Impeller (01SH06, 01SH08, 01SH10, 1XSH06, 1XSH08, 1XSH10, 02SH08, 02SH10) (101)	Stainless steel 316L / EN 10088-1-X2CrNiMo17-12-2 (1.4404)		
O-ring (513)	FKM (standard version) / ASTM D2000		
Impeller (02SH06, 2XSH06, 2XSH08, 2XSH10, 03SH08, 03SH10) (101)	Stainless steel CF8M / ASTM A744		

**Motor Data**

There are no information available for the given configuration.

15SH08A15T3E2 | Hydraulic Data & Performance Curve



Selection Criteria

Series	e-SH
Model	15SH08 3500rpm
Stages	1
Frequency	60 Hz
Total Flow	100.00 USgpm
Total Head	255.00 ft
Pump Flow	100.00 USgpm
Pump Head	255.00 ft
System Type	Single Pump
Operating Pumps	1
Rated Power	15 Hp
Max Operating Pressure	114.98 psi
Max P2	17.5 Hp

Design Point

Flow	100.21 USgpm
Head	256.06 ft
Efficiency	53.18 %
Shaft power (P2)	12.23 Hp
NPSHr	6.67 ft

Design Curve Data

Rated Motor Speed	3,500 RPM
Min Flow	55 USgpm
Max Flow	250 USgpm
H@QMax	168.2 ft
H@QMin	264.22 ft
BEP	65 %
BEP Flow	202.54 USgpm
BEP Head	205.46 ft
Impeller Diameters	1x 8.25"

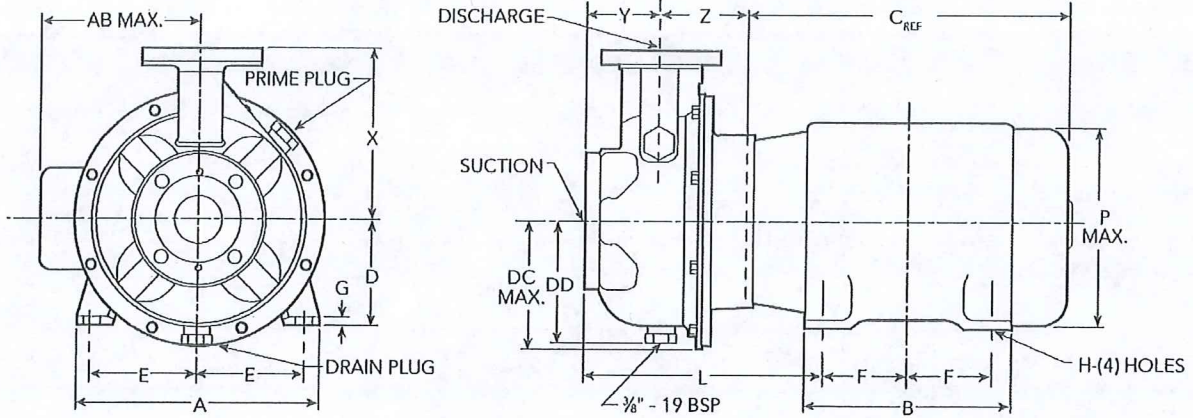
Fluid Data

Fluid Type	Water
Fluid Temperature	68 °F
Specific Gravity	1
Density	62.31322 lb/ft³
Dynamic Viscosity	1.00165 cP
Fluid Vapor Pressure	0.33929 psi

**15SH08A15T3E2 | Dimensional Data & Drawing**

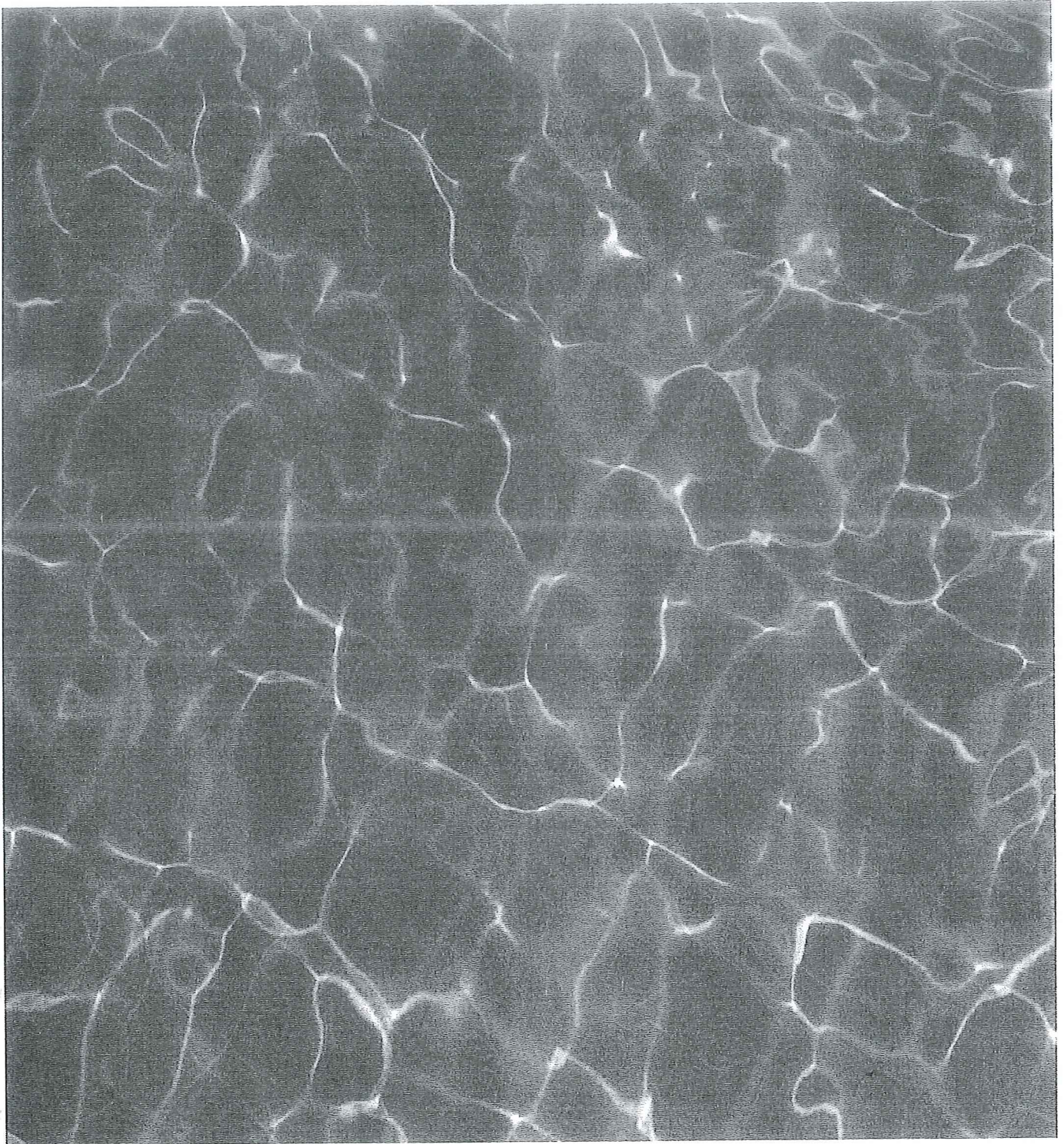
**e-SH CLOSE COUPLED S-GROUP - DIMENSIONS AND WEIGHTS**

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)



**Dimensions**

Suction	2.5 inch	L	12.62 inch
A	11.5 inch	Weight (Motor)	392 lbs
AB	12.37 inch	Z	3.62 inch
B	11.5 inch	C Max.	26 inch
D	6.25 inch	Weight (Pump Only)	48.2 lbs
E	5 inch		
F	5 inch		
Y	4 inch		
G	0.25 inch		
X	7.12 inch		
DC Max.	5.62 inch		
H	0.53 inch		
Discharge	1.5 inch		
P Max.	13.38 inch		
DD Max.	5.25 inch		



Company

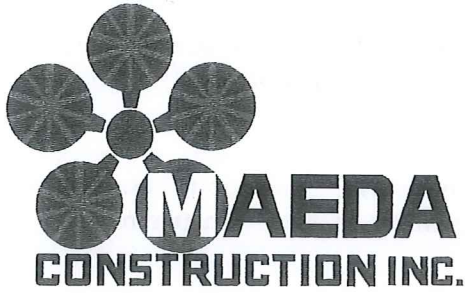
Contact

Phone No.

Email

[temerick@emerickassociates.com](mailto:temerick@emerickassociates.com)

xylem



PO BOX 49, Staatsburg NY 12580  
 845-706-7755  
[bert@maedaconstruction.com](mailto:bert@maedaconstruction.com)  
[MaedaConstruction.com](http://MaedaConstruction.com)

Date: 1/12/24

To: Town of Cairo  
 Address: 512 Main Street  
 Cairo NY 12

Description	Units	Cost Per Unit	Amount
Provide all labor, equipment and materials; to install new addition per drawings by Katterskill Associates dated 8-1-23			
Bid excudes any direct costs from Central Hudson Gas and Electric due to pole relocation			
Bid excudes any cost for Heating system			
Assumptions; we assume that this is a public bid on public property so prevailing wages apply			
we assume that the town will pay for any inspection costs			
we assume this is a tax exempt project			\$ 120,060.00
		Invoice Subtotal	\$ 120,060.00
		Tax Rate	0.00%
		Sales Tax	
		Other	
		Deposit Received	-
		<b>TOTAL</b>	<b>\$ 120,060.00</b>

*\$100K ARPA Funds*  
*\$20,060 Town Funds*

*[Signature]*  
 RD...  
 President

**NON-COLLUSIVE BIDDING CERTIFICATE PURSUANT TO 103d  
OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK**

(A) By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

(1) The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;

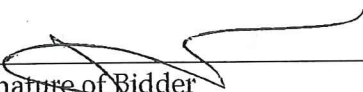
(2) Unless otherwise required by Law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and

(3) No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

(B) A bid shall not be considered for award nor shall any award be made where (A)-(1), (2) and (3) have not been complied with; provided however, that if in any case the bidder cannot make the foregoing certification, the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefor. Where (A)-(1), (2) and (3) have not been complied with, the bid shall not be considered for award nor shall any award be made unless the head of the purchasing unit of the political subdivision, public department, agency or official thereof to which the bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a bid (a) has published price lists, rates, or tariffs covering items being procured, (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items, or (c) has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of subparagraph one (A).

By submission of this bid, the undersigned hereby affirms the truth of the foregoing certification under the penalties of perjury.

  
Signature of Bidder

*R. D. ...*  
Date

1/15/24

**All bidders must sign this certification prior to the opening of the bids.**