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WASCO SANITARY DISTRICT
Kane County, Illinois
BERGLAND IRRIGATION PUMP REPLACEMENT
CONTRACT DOCUMENTS

February 8, 2022

Prepared for:

WASCO SANITARY DISTRICT
P.O. BOX 9
WASCO, ILLINOIS 60183

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NOTICE TO BIDDERS

Sealed bids submitted in **duplicate** in a sealed envelope with the words "Bergland Irrigation Pump Replacement" clearly marked on it, will be received by the Wasco Sanitary District until **11:30 a.m., Monday March 7, 2022** at the Office of the Wasco Sanitary District, 40W250 LaFox Road, Campton Hills, IL, at which time they will be publicly opened and read aloud for the furnishing of all materials, labor, and for performing all related work for:

- Provide Goulds (or approved equal) 5-Stage 6CLC-GP Bowl assembly with Stainless Steel impellers, marine rubber bearings and strainer capable of 188 GPM at 100 PSI. Additional parts as noted in the specifications.
- Provide for the assembly and installation of the pump. Wasco Sanitary District will provide a 20-HP, 3250 RPM motor, discharge head and column pipe.
- Provide startup services and testing of pump.

This work shall be done in accordance with the specifications as prepared by Sheaffer & Roland, Inc. Copies of the plans and specifications may be obtained in electronic form after 8:00 a.m. on Friday, February 11, 2018 from the District's web site. Hard copies are also available after the same date at the office of, Sheaffer & Roland, Inc. 611 Stevens Street, Geneva Illinois 60134 (Office: 630-208-9898).

Bidders are required to submit qualifications in accordance with contract documents. There will be a non-mandatory pre-bid meeting on Wednesday, February 23 at 10:00 a.m. at Wasco Sanitary District Offices, 40W250 LaFox Road, Campton Hills, IL.

The Contractor and sub-contractors shall comply with prevailing wage requirements at the time of the signing of the contract as found by the Department of Labor or as determined by the Court of Appeal, to all his/her employees performing work under the Contract. A signed certification stating the above as well as the fact that the bidder is not barred from bidding as a result of a violation of either Section 33E-3 or 33E-4 of Chapter 38, Illinois Revised Statutes, 1987 (as amended) must be submitted by the successful bidder as part of this contract.

The Wasco Sanitary District reserves the right to reject any or all bids and waive technicalities. In addition, the District reserves the right to hold all bids for up to 90 days after opening.

INSTRUCTIONS TO BIDDERS

1. DEFINED TERMS:

The term "Bidder" means one who submits a Bid directly to Owner, as distinct from a sub-bidder, who submits a bid to a Bidder. The term "Successful Bidder" (who may also be the lowest Bidder) means the Bidder who on the basis of Owner's evaluation as hereinafter provided is qualified, responsible and responsive to whom Owner makes an award. The term "Bidding Documents" includes the Notice to Bidders, Instructions to Bidders, the Proposal and Bid Form, the proposed Contract Documents and Project Specifications (including all Addenda issued prior to receipt of Bids), and the plans prepared by Sheaffer & Roland, Inc.

2. COPIES OF BIDDING DOCUMENTS:

- 2.1. Complete sets of the Bidding Documents are available electronically from the District's web site and hard copies at the price stated in the Notice to Bidders may be obtained at Sheaffer & Roland, Inc. 611 Stevens Street, Geneva, Illinois, 60134, (phone 630-208-9898).
- 2.2. Complete sets of Bidding Documents must be used in preparing Bids; neither Owner nor Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- 2.3. Owner and Engineer in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids on the Work and do not confer a license or grant for any other use.
- 2.4. BIDDER is solely responsible to verify if addenda to the Bid Documents are issued by checking the District web site or by contacting the Engineer prior to the Bid Opening.

3. QUALIFICATIONS OF BIDDERS:

To demonstrate qualifications to perform the work and to be considered responsive and to consider the proposal as complete, each Bidder must be prepared and submit **with the Bid Form**, written evidence of the Bidder's ability to perform the Work. The submittal should be prepared using the Affidavit of Experience provided hereafter. Each Bid must contain evidence of Bidder's qualification to do business in Illinois or covenant to obtain such qualification prior to award of the Contract.

4. EXAMINATION OF CONTRACT DOCUMENTS AND SITE:

- 4.1. It is the responsibility of each Bidder before submitting a Bid, to (a) examine the Contract Documents thoroughly, (b) visit the site to become familiar with local conditions that may affect cost, progress, performance or furnishing of the Work, there will be a **non-mandatory pre-bid meeting on Wednesday, February 23, 2022 at 10:00 a.m. at Wasco Sanitary District Offices, 40W250 LaFox Road, Campton Hills, IL.** (c) consider federal, state and local Laws and Regulations that may affect cost, progress, performance or furnishing of the Work, (d) study and carefully correlate Bidder's observations with the Contract Documents, and (e) notify the Owner of all conflicts, errors or discrepancies in the Contract Documents, in writing, five days prior to the bid opening.

- 4.2. On request in advance, Owner will provide each Bidder access to the site to conduct explorations and tests as each Bidder deems necessary for submission of a Bid.
- 4.3. The submission of a Bid shall constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the contract Documents and such means, methods, techniques, sequences or procedures of maintenance activities as may be indicated in or required by the Contract Documents, and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

5. INTERPRETATIONS AND ADDENDA:

All questions about the meaning or intent of the Contract Documents are to be directed to the Owner. Interpretations or clarifications considered necessary by the Owner in response to such questions will be issued by Addenda posted to the District web site. Questions received less than five days prior to the date for opening of Bids may not be answered. Questions answered by fax or a formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

6. CONTRACT TIME:

The number of days within which, or the dates by which, the Work is to be substantially completed and also completed and ready for final payment (the Contract Time) are set forth in the Bid Form and the Agreement.

7. SUBSTITUTE OR "OR-EQUAL" ITEMS:

The Contract, if awarded, will be on the basis of materials and equipment described in the Drawings or specified in the Specifications without consideration of possible substitute or "or-equal" items. Whenever it is indicated in the Drawings or specified in the Specifications that a substitute or "or-equal" item of material or equipment may be furnished or used by Contractor if acceptable to the Owner, application for such acceptance will not be considered by the Owner until after the Effective Date of the Agreement.

8. BID FORM:

- 8.1. All Bids must be made on the required Bid Form. The Bid Form is included with the Bidding Documents. All bids must be filled out in duplicate.
- 8.2. All blanks on the Bid Form must be completed in ink or typed.
- 8.3. Bids by corporations must be executed in the corporate name by the president or a vice-president (or other corporate officer accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation must be shown below the signature.
- 8.4. Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature and the official address of the partnership must be shown below the signature.
- 8.5. All names must be typed or printed below the signature.
- 8.6. The Bid shall contain an acknowledgment of receipt of all Addenda (the numbers of

which must be filled in on the Bid Form).

8.7. The address and telephone number for communications regarding the Bid must be shown.

8.8. A Bid price shall be made for all items of work and materials indicated in the bid schedule for each section of work. A bid price may or may not be submitted for the alternatives described in the documents as provided in the Bid Form. The Owner shall select which alternate, if any, will be awarded.

9. SUBMISSION OF BIDS:

Bids shall be submitted at the time and place indicated in the Notice to Bidders and shall be enclosed in an opaque sealed envelope, marked with the Project title and if applicable, the designated portion of the Project for which the Bid is submitted, and name and address of the Bidder and accompanied by the Bid security and other required documents. If the Bid is sent through the mail or other delivery system the sealed envelope shall be enclosed in a separate envelope with the notation "BID ENCLOSED" on the face of it.

10. MODIFICATION AND WITHDRAWAL OF BIDS:

10.1. Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a Bid must be executed) and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids.

10.2. If, within twenty-four hours after Bids are opened, any Bidder files a duly signed, written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid and the Bid security will be returned. Thereafter, that Bidder shall be disqualified from further bidding on the Work to be provided under the Contract Documents.

11. OPENING OF BIDS:

Bids will be opened and (unless obviously non-responsive) read aloud publicly at a time and place in accordance with the Notice to Bidders. A tabulation of the amounts of the base Bids and major alternates (if any) will be made available to Bidders after the opening of Bids.

12. BIDS TO REMAIN SUBJECT TO ACCEPTANCE:

All bids shall remain subject to acceptance for ninety days after the day of the Bid opening, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to that date.

13. AWARD OF CONTRACT:

13.1. Owner reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time or changes in the Work and to negotiate contract terms with the Successful Bidder, and the right to disregard all nonconforming, non-responsive, unbalanced or conditional Bids. Also, Owner reserves the right to reject the Bid of and Bidder if Owner believes that it would not be in the best interest of the project to make an award to that Bidder, whether because the Bid is not responsive or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by Owner. Discrepancies in the multiplication of units of Work and unit prices shall be resolved in favor of the unit prices. Discrepancies between the

indicated sum of any column of figures and the correct sum thereof shall be resolved in favor of the correct sum.

- 13.2.** In evaluating Bids, Owner will consider the qualifications of the Bidders, whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award. It is the intent of the District to award the contract to the most qualified, responsible and responsive bidder, based on the combination of base bid and bid alternates yielding the optimum overall project cost. Bidders who have not submitted qualifications with the Bid Form in accordance with bid requirements will not be considered responsive or qualified.
- 13.3.** Owner may consider the qualifications and experience of Subcontractors, Suppliers, and other persons and organizations proposed for those portions of the Work as to which the identity of Subcontractors, Suppliers, and other persons and organizations must be submitted as provided in the Contract Documents. Owner also may consider the operating costs, maintenance requirements, performance data and guarantees of major items of materials and equipment proposed for incorporation in the Work when such data is required to be submitted prior to the Notice of Award.
- 13.4.** Owner may conduct such investigations as Owner deems necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of Bidders, proposed Subcontractors, Suppliers and other persons and organizations to perform and furnish the Work in accordance with the Contract Documents to Owner's satisfaction within the prescribed time.
- 13.5** If the contract is to be awarded, it will be awarded to a qualified Bidder who has fully complied with bid requirements and whose evaluation by Owner indicates to Owner that the award will be in the best interests of the Project. If the lowest bidder happens to be best qualified bidder to perform the work he/she or his/her firm will be the Successful Bidder.
- 13.6** If the contract is to be awarded, Owner will give the Successful Bidder a Notice of Award within seven business days after the day of the Bid opening. Should there be reasons the Contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the Owner and Bidder.

14. CONTRACT SECURITY:

A Performance bond is not required for this contract.

15. SIGNING OF AGREEMENT:

- 15.1.** Then Owner gives a Notice of Award to the Successful Bidder, it will be accompanied by the required number of unsigned counterparts of the Agreement with all other written Contract Documents attached. Within three business days thereafter Contractor shall sign and deliver the required number of counterparts of the Agreement and attached documents to Owner with the required Bonds. Within one business day thereafter Owner shall deliver one fully signed counterpart to Contractor. Each counterpart is to be accompanied by a complete set of the Drawings with appropriate identification.
- 15.2.** In case of failure of the Bidder to execute the Agreement, the Owner may at his option

consider the Bidder in default, in which case the Bid Security accompanying the proposal shall become the property of the Owner.

16. SALES AND USE TAXES:

Under Rule No. 40 of the Illinois Retailer's Occupation Tax Rules, issued April 15, 1965, sales to governmental bodies are exempt from State and Local Retailer's Occupation Tax, State and Local Service Occupation Tax, Use Tax and Service Use Tax.

17. APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS:

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over maintenance activities shall apply to the Contract throughout.

18. PREVAILING WAGE & CERTIFIED PAYROLL:

As required by the Department of Labor and as set forth in the Kane County Prevailing Wage for September 1, 2017, the general prevailing rate of wages in the locality for each craft or type or worker or mechanic needed to execute the Contract or perform such work, also the general prevailing rate for legal holiday and overtime work, as ascertained by the public body or by the Department of Labor shall be paid for each craft or type of worker needed to execute the Contract or to perform such work, and it shall be mandatory upon the Contractor to whom the Contract is awarded and upon any subcontractor under him, and where the public body performs the work, upon the public body, to pay not less than the specified rates to all laborers, workers and mechanics employed by them in the execution of the Contract or such work.

The Contractor and each subcontractor shall keep or cause to be kept and accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, in connection with said public work, and showing also the actual hourly wages paid to each of such persons, which record shall be open at all reasonable hours to the inspection of the public body awarding the Contract, its officers and agents, and to the Director of Labor and his deputies and agents. **Furthermore the Contractor and all Subcontractors shall submit Certified Payroll documentation in accordance with Illinois Department of Labor requirements on a monthly basis and/or with any pay request.**

19. BIDDING CERTIFICATE:

A statement certifying that the Bidder is not barred from bidding on the Project Specifications as a result of a violation of either Section 33E-3 or 33E-4 of Chapter 38, Illinois Revised Statutes, 1987 (as amended) shall be submitted with the Bid prior to the time of the Bid opening. The certificate form is attached to the Project Specifications.

20. PHOTOCOPIED BID PROPOSAL:

The Contractor shall submit the original bid documents along with a copy of the bid proposal which can be removed from the original documents. The copy shall be a photocopy of the original and be placed in the designated location in the Bid Documents.

21. CONTRACT PROVISIONS & SPECIFICATIONS:

Submission of a bid proposal shall be sufficient to satisfy the requirement for a written

agreement between the Contractor and Engineer as stipulated in Section 202.07(a) of the Standard Specifications. **Any discrepancies or disagreement with the specifications must be provided to the District in writing, prior to or at the bid opening.**

PROPOSAL

The following proposal is hereby made to the **Wasco Sanitary District**, hereinafter called the

Owner. Proposal is submitted in duplicate by _____

The undersigned hereby proposes and agrees to furnish all the necessary labor, materials, equipment, tools and services necessary to perform all work associated with the Bergland Irrigation Pump Replacement in accordance with the Specifications and procedural documents attached, and other contractual documents, including the plans.

In submitting this proposal the undersigned declares that the only persons or parties interested in the Proposal as principals are those named herein and that the Proposal is made without collusion with any other person, firm, or corporation.

The Undersigned acknowledges receipt of the following Addenda.

<u>Addendum No.</u>	<u>Date</u>	<u>Initials</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

The Undersigned declares that he has examined the Contract Documents and is familiar with the local conditions at the site where the work is to be performed and with the conditions affecting the Contract and the requirements of the maintenance work and understands that in making this Proposal he waives all right to plead any misunderstanding regarding the same.

The undersigned further agrees to begin work after the issuance date of the notice to proceed unless otherwise provided and to prosecute the work in such a manner and with sufficient materials, equipment, and labor as shall insure its completion by the completion date, it being understood and agreed that the completion within the time limit is an essential part of the Contract.

Any discrepancies or disagreement with the plan quantities must be provided to the District in writing, prior to or at the bid opening.

BID FORM – SCHEDULE OF PAY ITEMS

Item	Item	Quantity	Unit	Unit Price	Amount
1	Mobilization	1	L. SUM	\$	\$
2	Goulds (or approved equal) 5-Stage 6CLC bowl assembly with stainless steel impellers and marine rubber bearings.	1	L. SUM	\$	\$
3	Installation new pump and WSD supplied motor and Startup	1	L. SUM	\$	\$

TOTAL: _____

SUBCONTRACTOR / SUPPLIER LIST

The following information gives the name, business address, and portion of work (description of work) for each subcontractor and equipment supplier listed below that will be used in the work if the bidder is awarded the Contract. Each listed discipline must be completed prior to the time of the bid opening. Failure to complete this section may result in the Bid being declared non-responsive.

(Additional supporting data may be attached to this page. Each page shall be sequentially numbered, e.g., 00430-2, and headed "Subcontractor / Equipment Supplier List" and shall be signed.)

SUBCONTRACTOR LIST

Name	Business Address	Description of Work
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SUPPLIER LIST

Name	Business Address	Description of Work
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Signature of Bidder

AFFIDAVIT OF EXPERIENCE

STATE OF _____)

)SS

COUNTY OF _____)

_____ being duly sworn, that he is

_____, of _____
(Sole owner, member of firm, corporate official) (Individual, firm, or corporate name)

Which has performed work of the general description and type identified in this contract for

_____ years and _____ months beginning in (year) _____

Has successfully completed work for the following entities of the general description and type identified in this contract:

<u>Name of Owner</u>	<u>Job Description/Location</u>	<u>\$ Amount</u>	<u>Year</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

and that _____ will be subcontracted to perform the
(Name of Subcontractor)

following work under this contract, and that his experience in this kind of work is as follows:

<u>Name of Subcontractor</u>	<u>Work Scope</u>	<u>References</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Signature: _____

Subscribed and sworn to before me this _____ day of _____ 20_____.

Notary Public

CERTIFICATION FOR BID

The undersigned, as a duly-authorized representative of the Bidder do hereby certifies to The Wasco Sanitary District, Kane County, Illinois, that the bidder is not barred from bidding upon the Bid Specifications for the Project known as Bergland Irrigation Pump Replacement as a result of a violation of either Section 33E-3 or 33E-4 of Chapter 38, Illinois Revised Statutes, 1987 (As Amended).

All laborers, mechanics and any other workers employed in this Public Work contract, whether employed by the Contractor or any Sub-contractors, shall be paid in accordance with the prevailing wages accepted and approved by the Wasco Sanitary District as attached to the Contract Documents and Project Specifications.

NAME

COMPANY

DATE

CERTIFICATION FOR DRUG FREE WORK PLACE

The undersigned, as a duly-authorized representative of the Contractor do hereby certifies to The Wasco Sanitary District, Kane County, Illinois, that the Contractor ensures that he/she will operate a work environment which is free of any and all illegal drugs in accordance with the Drug Free Workplace Act of January, 1992. In addition, any prescribed drugs that will impair an employee's judgment or ability to work safely should not be allowed on the work site or on any satellite location.

NAME

COMPANY

DATE

**SPECIAL PROVISIONS
WASCO SANITARY DISTRICT
RADIUM PLANT PIPING & VALVE REPAIR**

The following Special Provisions; the "Standard Specifications for Road and Bridge Construction," adopted April 1, 2016, (hereinafter referred to as the Standard Specifications), the Standard Specifications for Water and Sewer Main Construction in Illinois (latest edition) shall apply to and govern the maintenance activities of Bergland Irrigation Pump Replacement. In case of conflict with any part or parts of said specifications, the Special Provisions shall take precedence and shall govern. In addition, these Special Provisions shall supersede any conflict with Division 100 of the Standard Specifications.

These Special Provisions supplement the Standard Specifications. In case of any conflict these Special Provision shall precede and govern.

The Contractor is herein notified that the Wasco Sanitary District reserves the right to add or delete items and delete sections of the improvement from this Contract as deemed necessary. The aforementioned deletions or additions shall not alter the contract unit prices for this project.

The Contractor shall provide a list of the intended Subcontractors to be used for the project. **THE WASCO SANITARY DISTRICT SHALL APPROVE ALL SUB-CONTRACTORS TO BE USED ON THE PROJECT AND RESERVES THE RIGHT TO REJECT THE USE OF ANY SUBCONTRACTOR DUE TO PAST PERFORMANCE or THE APPARENT INABILITY TO PROPERLY PERFORM THE WORK REQUIRED.**

All work as described by the BID FORM shall be completed within 60 days of bid award.

Maintenance activities shall be limited to the hours between 7:30 a.m. and 3:30 p.m. each working day unless required for safety purposes or approved otherwise by the district. No work is to be performed on Weekends and holidays observed in the State of Illinois.

INCIDENTAL ACTIVITIES

The Contractors shall perform all work indicated or implied in the Contract Documents. All work not specified, but required to complete the project in a satisfactory manner, shall be performed by the Contractor. All items of work not listed in the Bid Items shall be considered as incidental work to the Contract and no additional compensation shall be allowed.

WORK SCHEDULE

The Contractor is required to coordinate all work activities with Wasco Sanitary District operations staff.

CLEAN UP AND DISPOSAL

All excess material and any debris disposal by the Contractor shall be incidental and no additional compensation shall be allowed. The Contractor shall dispose of debris and surplus material off-site and is responsible to acquire any permit required for such disposal.

SAFETY AND PROTECTION

The Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with his work. The Engineer does not have the authority or the obligation to stop work based on unsafe work practices. The Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. All employees on the work site and other persons and organizations who may be affected thereby;
2. All of the work and materials and equipment to be incorporated therein, whether in storage on or off site; and

The Contractor shall comply with all applicable laws and regulations of any public body having jurisdiction for the safety of persons or property to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. The Contractor's duties and responsibilities for the safety and protection of the work shall continue until such time as all the work is completed and the Contractor has issued a notice to the Owner that the work is acceptable.

DEFINITIONS

"District" or "Owner" is the Wasco Sanitary District and its agents and/or representatives.

"Engineer" is Wasco Sanitary District Engineer, his representative and/or his agents.

All definitions stated in Section 101 of the Standard Specifications shall apply to this Contract.

INSURANCE REQUIREMENTS

The Contractor shall not start or allow his subcontractor to start any work under this contract until all insurance required by Section 107 of the Standard Specifications has been secured and that such insurance has been approved by the District. Such insurance, after the date filed, shall be maintained during the remaining life of the contract. The Contractor shall submit, on forms satisfactory to the District, a certificate of insurance showing the required coverage.

The Certificate of Insurance shall name the Wasco Sanitary District and its Elected and Appointed Officials and Sheaffer and Roland, Inc. as additional insured. In addition, the certificate of insurance shall state, "the coverage and limits conforms to the minimums required by Article 107.27 of the Standard Specifications". All costs associated with meeting these requirements shall be considered incidental to the Contract.

Revise Article 107.27 of the Standard Specifications and Supplemental Specifications so that "Department" will be replaced by "District" and its representatives and add the following:

- A. SAFETY: The Contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work.

Nothing contained in these insurance requirements is to be construed as limiting the extent of the Contractor's responsibility for payment of damages resulting from his operations under this Contract.

Add to Article 107.27(b):

The coverage provided shall be sufficiently broad to insure the provisions entitled, "Indemnification," as discussed in the paragraph below.

- B. INDEMNIFICATION: The Contractor shall defend, indemnify, keep and save harmless the Wasco Sanitary District and Sheaffer & Roland, Inc., and their employees, in both individual and official capacities, against all suits, claims, damages, losses and expenses, including attorney's fees, caused by, growing out of, or incidental to, the performance of the work under the contract by the Contractor or his subcontractors to the full extent as follows by the laws of the State of Illinois and not beyond any extent which would render these provisions void or unenforceable.

A Certificate of Insurance evidencing the required coverages shall be submitted to the Owner and Engineer prior to commencing work on the project.

Liability Insurance

The limits of liability for the liability insurance required shall provide coverages for not less than the following amounts or greater where required by law and coverages shall be as follows:

Workers' Compensation

i.	Coverage A	Statutory
iii.	Coverage B	
	Bodily Injury by Accident (each accident)	\$500,000
	Bodily Injury by Disease (policy limit)	\$500,000
	Bodily Injury by Disease (each employee)	\$500,000

Include a waiver of Subrogation in favor of Wasco Sanitary District.

Commercial General Liability (including Blanket Contractual; Employees as Insureds; Broad Form Property Damage):

i.	General Aggregate	\$2,000,000
	Products/Completed Operations (Per Occurrence)	\$1,000,000
	Personal & Advertising Injury (Per Occurrence)	\$1,000,000
	Each Occurrence	\$1,000,000
	Fire Damage (Any One Fire)	\$ 100,000
ii.	Property Damage liability insurance will provide Explosion, Collapse and Underground coverages.	
iii.	The term "caused by an accident" shall be replaced by the term "occurrence".	

Comprehensive Automobile Liability:

- i. Bodily Injury / Property Damage
(Combined Single Limit per Accident): \$1,000,000
- ii. All owned, hired, or non-owned vehicles including the loading or unloading thereof.
- iii. The term “caused by an accident” if used in bodily injury or property damage coverage shall be replaced by the term “occurrence”.

Additional liability coverage for Owner and Engineer will be provided:

- i. By endorsement as additional insureds on Contractor’s General Liability policy.
- ii. Contractor's general liability carrier shall issue a separate Protective Liability policy covering Owner and Engineer.
(Combined Single Limit): \$1,000,000

Umbrella Liability Insurance in Contractor's name with Owner and Engineer as additional insureds.

- i. Each Occurrence \$1,000,000
Aggregate \$1,000,000
- ii. In addition to the insurance coverage set forth in the contract documents, the

Contractor shall maintain an Umbrella/Excess Liability policy with coverages for the same perils as covered under the primary policies, including any special requirements.

The deductible on the Contractor's Insurance Policy (as outlined above) will not exceed \$5,000.00.

ALL INSURANCE COVERAGE LIMITS PROVIDED THE DISTRICT (OWNER) ARE ON A PER LOCATION AGGREGATE LIMIT BASIS.

All insurance provided to the District (Owner) is primary and non-contributory with any insurance or self-insurance program maintained by the District (Owner).

The Contractor's insurance policies are to be endorsed to the District (Owner) and at least 30 days advanced notice will be given to the District (Owner) of cancellation, material reduction of insurance or non-renewal.

SP-1 Replacement Irrigation Pump

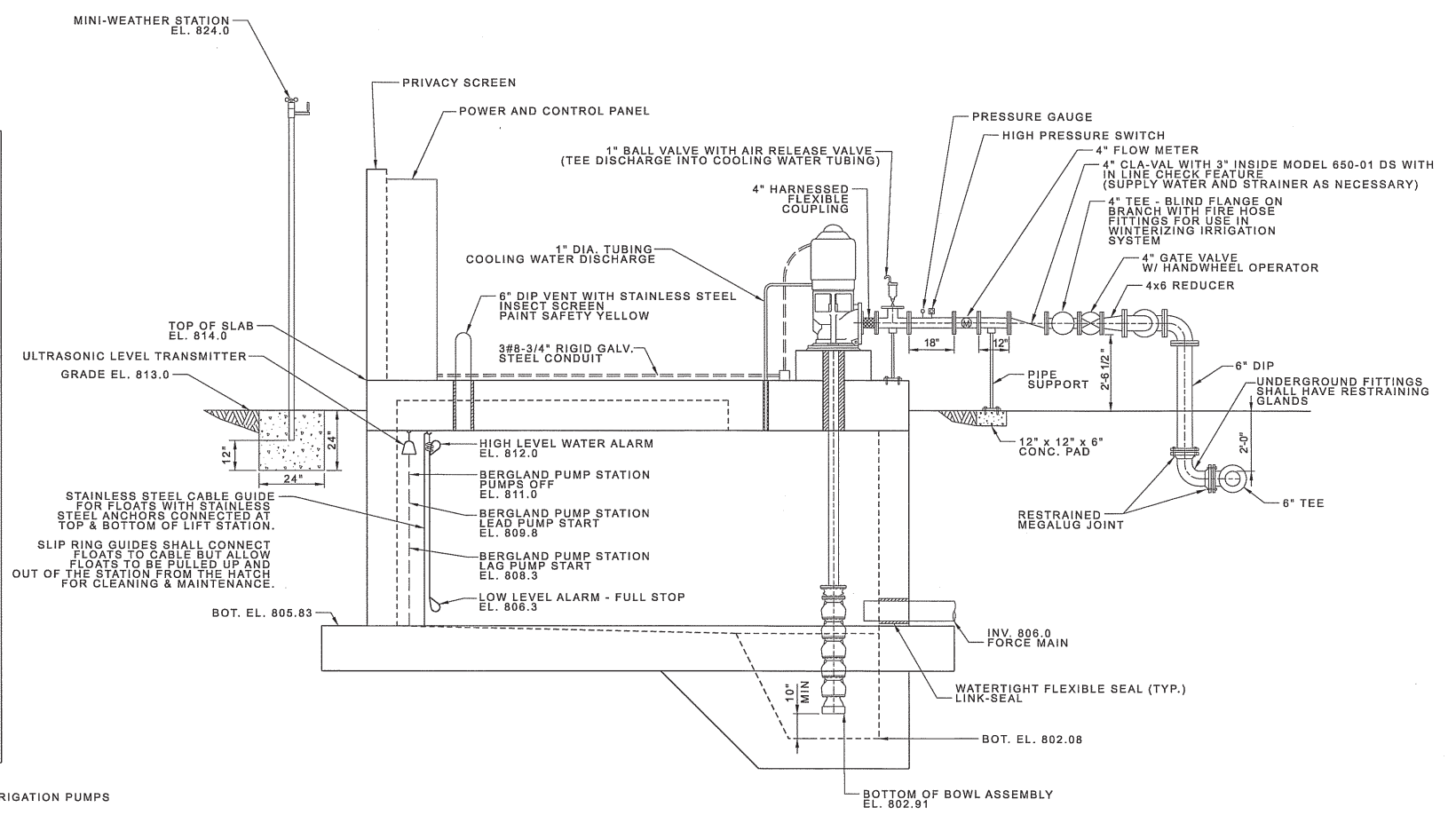
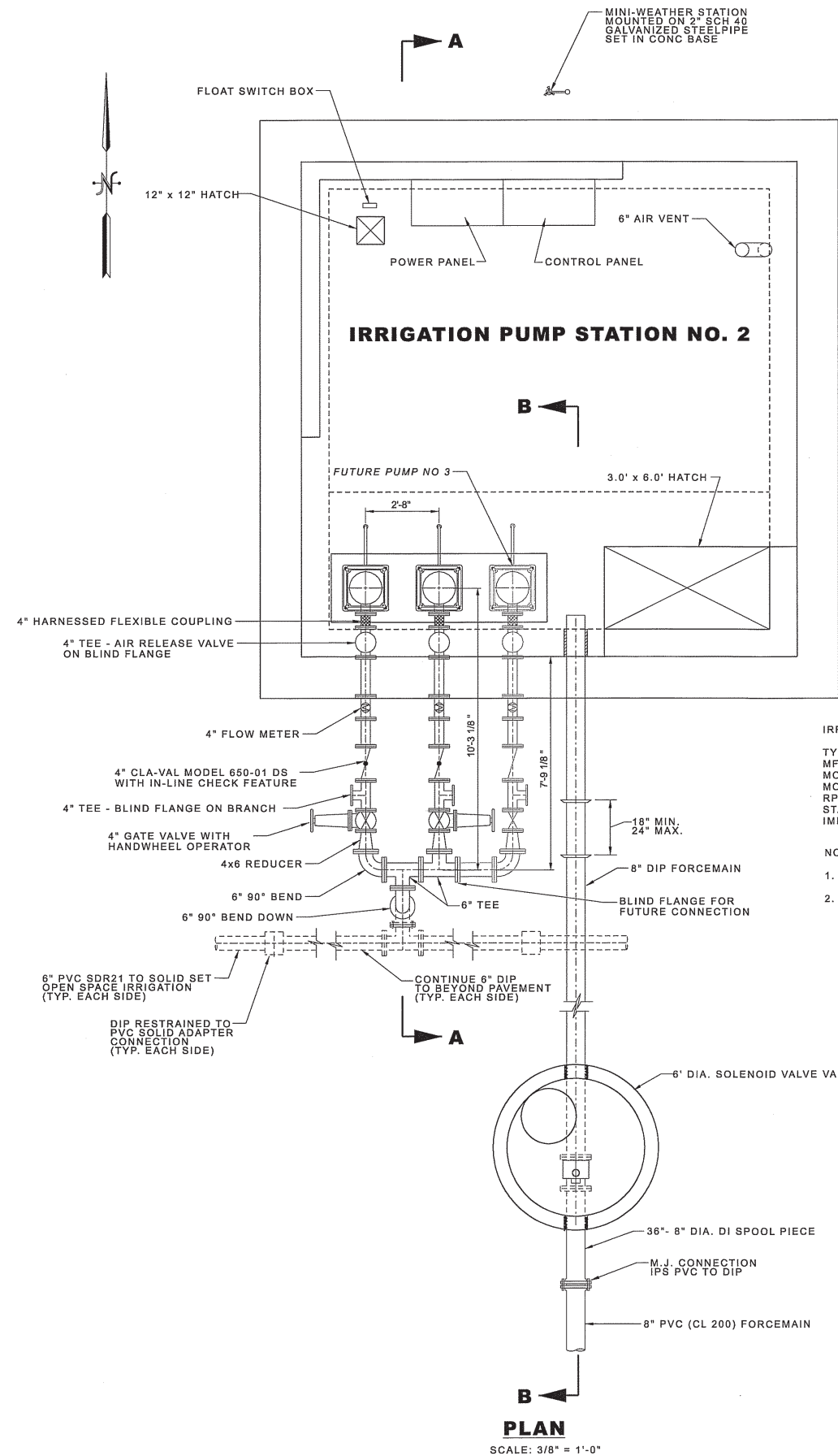
Contractor shall furnish a Goulds (or approved equal) 5-Stage 6CLC-GP, MA253232-18, bowl assembly with stainless steel impellers, marine rubber bearings, 8" stick up 12 TPI and strainer. Pump shall be capable of 188 GPM at 100 PSI. See the attached plan sheet showing the existing pump installation dimensions. Contractor shall also provide with the pump the following parts:

1. Shafts:
 - a. 1 – 1" Dia. x 60" 12 TPI
 - b. 1 – 1" Dia. x 55" 12 TPI
 - c. 3 – 1" Shaft Coupling 12 TPI
 - d. 1 – Motor drive shaft 1" Dia. x 29" with adjusting nut and jib key (.25 Key) (12 TPI)
2. Stuffing Box Assembly
 - a. Inner register 4.75"
 - b. Outer register 7.75"
 - c. 6 – 3/4" bolt hole pattern
 - d. Assembly bearing and misc. parts to accept 1" shaft
3. Pop-In Bearing (1)
 - a. O.D. 1.75"
 - b. I.D. 1"
 - c. Hub to Hub 2.75"

The Wasco Sanitary District will provide a 20 HP, 3250 RPM motor, reconditioned discharge head and reconditioned column pipe only.

SP-2 Installation and Startup

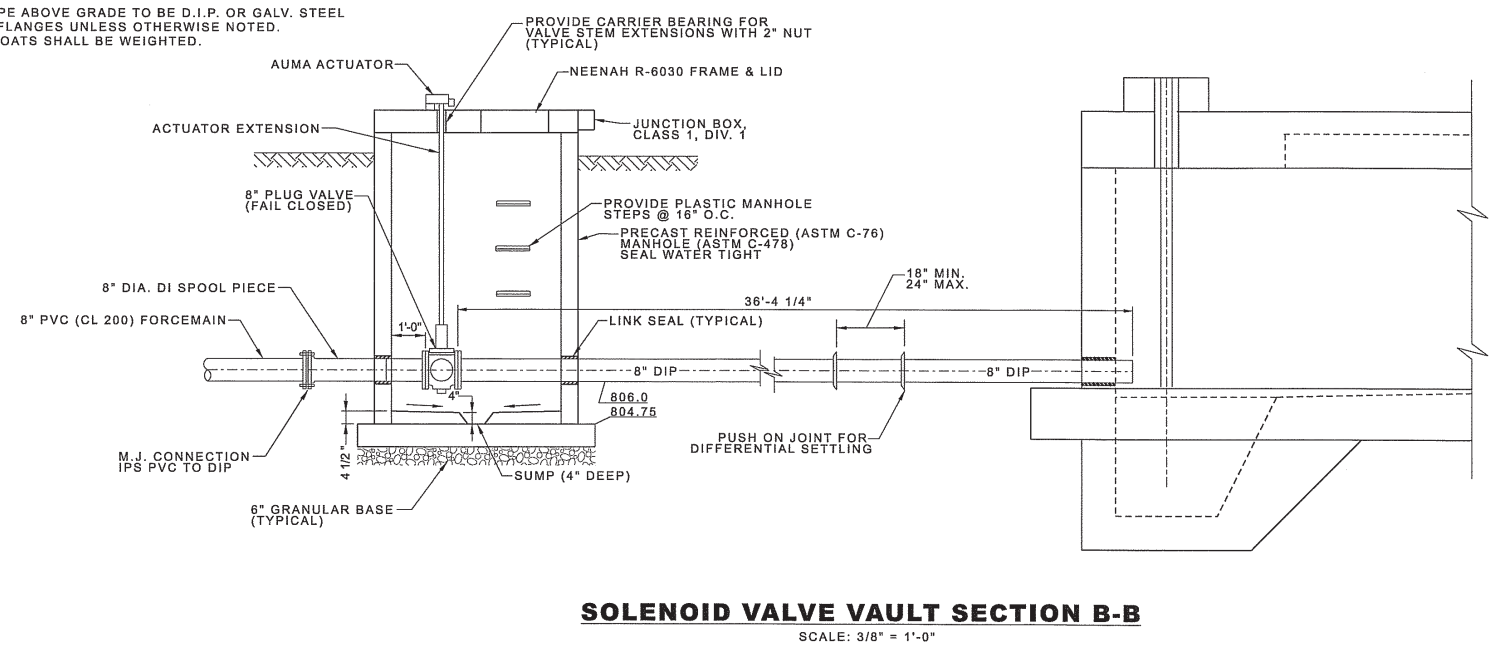
Contractor shall furnish all labor, equipment, and supplies for the installation of the provided pump and motor to be provided by the Wasco Sanitary District. Contractor shall install the pump and make all necessary electrical connections to the motor utilizing the existing wiring. Contractor shall test the installed pump per manufactures recommendations and confirm duty point pumping capability.



IRRIGATION PUMPS

TYPE: VERTICAL TURBINE
 MFR: FAIRBANKS MORSE
 MODEL: 188 GPM @ 231' HEAD
 MOTOR: VHS WP1 ENCLOSURE 20 HP 480V 3PH
 RPM: 3550
 STAGES: 5
 IMPELLER: 4IN

- NOTES:**
1. ALL PIPE ABOVE GRADE TO BE D.I.P. OR GALV. STEEL WITH FLANGES UNLESS OTHERWISE NOTED.
 2. ALL FLOATS SHALL BE WEIGHTED.



REVISIONS	04/08/04	02/16/04	01/02/04
3	REVISED PER ENGINEER	REVISED PER ENGINEER	REVISED PER ENGINEER
2	REVISED PER ENGINEER	REVISED PER ENGINEER	REVISED PER ENGINEER
1	REVISED PER ENGINEER	REVISED PER ENGINEER	REVISED PER ENGINEER
ISSUE NO.			
DESCRIPTION			

PROJECT MANAGER	ENGINEER	TECHNICIAN	TECHNICIAN
F. Gierhart	J. Williams	K. Anderson	K. Anderson

RH&A
 Robert H. Anderson & Associates, Inc.
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 Email: rh@rhanda.com

BERGLAND IRRIGATION AND FORCEMAIN IRRIGATION PUMP STATION NO. 2 MECHANICAL DETAILS
 WASCO SANITARY DISTRICT KANE COUNTY ILLINOIS

ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION NO. 184-000812

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PROJECT NO.: 110-203
 DATE: October 3, 2003
 SCALE: AS SHOWN
 CAD FILE: 1102031221.dwg
 MLD

SHEET **M1**