

**CITY OF GRAND HAVEN
GRAND HAVEN, MICHIGAN
Northwest Ottawa Water Treatment Plant**

October 1, 2025

**REQUEST FOR PROPOSALS FOR FIBERGLASS CHEMICAL STORAGE
TANKS INTERIOR SURFACE RELINING**

The City of Grand Haven shall accept bids for professional services to reline the interior surface of multiple fiberglass chemical storage tanks at the Northwest Ottawa Water Treatment Plant.

An on-site meeting or a video conference with prospective contractors is required. Please email Mr. Eric Law, Water Plant Superintendent – elaw@grandhaven.org to make arrangements.

Proposals will be accepted until 10:00 a.m. on Wednesday, October 22, 2025 at the office of the City Clerk, 519 Washington Avenue, Grand Haven, Michigan, at which time they will be publicly opened and read.

Information regarding the service can be obtained at the office of the Water Plant Superintendent, 30 Sherman Avenue, Grand Haven, or by calling 616-847-3487, or online from the City's Web site: www.grandhaven.org.

The City Council of the City of Grand Haven reserves the right to reject any or all proposals and/or waive any defect in proposals, and to accept any proposal which it shall deem to be in the best interest of the City.

Eric Law - Superintendent
Northwest Ottawa Water Treatment Plant

End of Notice to Bidders Section

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Northwest Ottawa Water Treatment Plant**

October 1, 2025

INSTRUCTIONS TO BIDDERS

1. **SPECIAL CONDITIONS:** Special conditions included in the Bid Document shall take precedence over any provisions stipulated hereunder.
2. **APPLICABLE LAWS:** The revised code of the state of Michigan, Charter of the City of Grand Haven, and all city ordinances insofar as they apply to the laws of competitive bidding, contracts, and the purchases, are made a part hereof.
3. **WORKMEN'S COMPENSATION:** Insofar as Workmen's Compensation is concerned, the bidder or contractor agrees to furnish, upon request, certified copies of policies and adequate certificates pertaining thereto as evidence that bidder carries Workmen's Compensation Insurance.
4. **INFRINGEMENTS AND INDEMNIFICATIONS:** The bidder, if awarded an order or contract, agrees to protect, defend, and save the City harmless against any demand for payment for the use of any patented material, process, article, or device that may enter into the manufacture, construction, or form as part of the work covered by either order or contract. He/she further agrees to indemnify and save the City harmless from suits or actions of every nature and description brought against it, for or on account of any injuries or damages sustained by a party or parties, by or from any of the acts of the contractor, his/her servants, or agents.

To this extent, the bidder or contractor agrees to furnish adequate Public Liability and Property Damage Insurance, the amounts of which will be determined by the City whenever such insurance is deemed necessary. When so required, the types and amounts of insurance to be provided will be set forth in the Instructions to Bidders (See Item 21).

5. **DEFAULT PROVISIONS:** In case of default by the bidder or contractor, the City of Grand Haven may procure the articles of services from other sources and hold the bidder or contractor responsible for any excess costs occasioned thereby.

In case of an error by the bidder in making up a proposal, the City may reject such a proposal upon presentation of a petition accompanied by a sworn affidavit of error which sets forth the error, the cause thereof, and sufficient evidence to substantiate the claim.

6. **PRICING:** Project total is to include an itemized breakdown per unit (tank) and the cost of mobilization. This must be specified in the Bid Document. In case of discrepancy in computing the amount of the bid, the unit prices quoted will govern.
 - 6.1. **Itemizing the following is required**
 - 6.1.1. **Cost associated with each of the individual tanks**
 - 6.1.2. **Cost of Mobilization**

7. **QUANTITIES:** When approximate quantities are stated, the City reserves the right to increase or

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decrease the quantity as best fits its needs.

8. **DELIVERY:** Quotations should include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder, prices quoted will be considered as being based on delivery to the destination designated in the Bid Document and to include all delivery and packing charges.
9. **SPECIFICATIONS:** Unless otherwise stated by the bidder, the proposal will be considered as being in strict accordance with the specifications outlined in the Bid Document.

References to a particular trade name, manufacturer's catalog, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of the City. They should not be construed as excluding proposals on other types of materials, equipment and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless a departure or substitution is clearly noted and described in the proposal and approved by the City.

10. **SAMPLES:** Samples, when requested, shall be filed prior to the opening of bids and must be furnished free of expense to the City and if not destroyed, will upon request be returned at the bidder's expense.
11. **TAXES:** Contractor shall include and be deemed to have included in his bid and contract price, Michigan State Sales and Use Taxes currently imposed by Legislative enactment and as administered by the Michigan Department Treasury, Revenue Division, on the bid date. If the Contractor is not required to pay or bear the burden, or obtains a refund or drawback in whole or in part of any Michigan Sales or Use Tax, interest or penalty thereon, which was required to be, and was deemed to have been, included in the bid and contract price, the contract price shall be reduced by the amount thereof and the amount of such reduction, whether as a refund or otherwise, shall endure solely to the benefit of the City of Grand Haven.
12. **BID INFORMALITIES AND REJECTION:** The City reserves the right to waive any nonconformity, irregularity or informalities in any bid, to negotiate with the selected bidder, and to award the bid in its determination of its best interest.
13. **AWARD:** Unless otherwise specified in the Bid Document, the City reserves the right to accept or reject any item in the bid. Unless otherwise stated in the Bid Document, bidders may submit proposals on any item or group of items, provided however that the unit prices are shown as requested.

As soon as the Award is made, an order or contract document will be sent to the successful bidder for execution and bond if necessary. If the contracts are not executed and returned to the City of Grand Haven within 10 days of the date of sending, the Bid Surety, if required, will be declared forfeited as liquidated damages.

A Bid Surety is not required for this project. *EL – October 1, 2025*

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14. **PAYMENTS:** Partial payments may be made upon presentation of a properly executed claim voucher, unless otherwise stated in the Bid Document. The final payment will be made by the City when the materials, supplies or equipment have been fully delivered and accepted or the work completed to the full satisfaction of the City. Increases in contract costs shall be approved in writing, prior to excess expense being incurred. Approval of increases may require formal action by City Council.
15. **BIDDER'S SIGNATURE:** Each proposal and bid surety form must be signed by the bidder with his/her usual signature. All signatures should be in full.

Bids by partnership must be signed by one or more of the partners in the following manner: "John Jones and James Smith, D.B.A., Smith Jones Company, by John Jones, a partner".

Bids by corporations must be signed with the names of the corporation, followed by the signature and designation of the president, vice-president or person authorized to bind it in the matter.

16. **SUBMISSION AND RECEIPT OF BIDS:** Inquiries involving an expenditure exceeding the limits established in the City Charter usually require advertising over a period of at least five (5) days prior to the scheduled bid opening. Proposals of this nature are publicly read at 10 o'clock AM (unless otherwise noted) on the date bids are scheduled to be received. Proposals to receive consideration must be received prior to the specified time of opening and reading as designated in the Notice to Bidders.

- *Bidder must use the Proposal Form furnished by the City as none other may be accepted.*
- *The Proposal Form must be returned intact.*
- *Removal of any Proposal Form thereof may invalidate the bid.*

Specifications and plans referred to in this bid document by reference only, need not be returned with the Proposal Form, however, no excision of material physically incorporated in the bid document will be permitted.

Bids are to be submitted in sealed envelopes and identified as requested in the Notice to Bidders. Separate proposals must be submitted on each reference number and proposals shall be typewritten or written in ink.

Proposals having any erasures or corrections thereon may be rejected unless explained or noted over the signature of the bidder.

17. **INTERPRETATION OF BID AND/OR CONTRACT DOCUMENTS:** No oral interpretation will be made to any bidder as to the meaning of the bid and/or Contract Documents or any part thereof. Every request for such an interpretation shall be made in writing to the City of Grand Haven. Any inquiry received within a reasonable time prior to the date fixed for the opening of bids will be given consideration. Every interpretation made to a bidder will be on file in the Clerks office of the City of Grand Haven. In addition, copies will be kept on file at the City Clerk's office and posted on the City website. All bidders shall be bound by such interpretations whether or not received by the

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bidders.

18. **CHANGES AND ADDENDA TO BID DOCUMENTS:** Each change or addenda issued in relation to this bid document will be on file in the Clerks Office of the City of Grand Haven and posted on the City website. It shall be the bidder's responsibility to make inquiry as to the changes or addenda issued. All such changes or addenda shall become part of the contract and all bidders shall be bound by such changes or addenda. Information on all changes or addenda issued will be available at the City Clerk's office and the City website.

19. **MANDATORY PRE-CONSTRUCTION MEETING:** Representatives of the successful bidder, including the individual directly responsible for implementation of the work, will attend a pre-construction meeting with representatives of the Northwest Ottawa Water Treatment Plant.

20. **PROJECT COMPLETION:** Every attempt to complete the project prior to **April 30th, 2026** is expected. The owner understands contractor mobilization is tank level dependent, and that the owner is responsible for the coordination of ensuring tanks will be at the required levels to complete the project on time.

21. **INSURANCE REQUIREMENTS:** The Contractor will secure and maintain insurance during the term of the contract from an insurance company authorized to do business in the State of Michigan that will protect contractors and subcontractors and the City from all liability (public liability, personal injury and property damage) claims which may arise from operations under the contract. The Contractor may not start work until evidence of all required insurance has been submitted and approved by the City. The contractor must cease work if any of the required insurance is canceled or expires. Three (3) copies of Certificates of Insurance shall be submitted to be approved by the City prior to the execution of the contract. The certificate shall specifically name the City as an additional insured party. The certificates must contain the agreement of the insurance company notifying the City in writing ten (10) days prior to any cancellation or material alteration of the policy. The Contractor shall not allow any work under the contract to be performed by a subcontractor unless evidence of similar insurance covering the activities of the subcontractor is submitted to and approved by the City. The limits of insurance shall not be less than the following:
 - A. Workers Compensation Insurance in the amount required by Michigan Law.
 - B. General Liability:

Bodily Injury and Property Damage combined:	
Each Occurrence	\$1,000,000.00
Aggregate	\$1,000,000.00
Personal Injury	\$1,000,000.00
 - C. Automobile Insurance for Vehicles:

Bodily Injury Each Person	\$1,000,000.00
Bodily Injury Each Accident	\$1,000,000.00
Property Damage Each Accident	\$1,000,000.00

22. **REFERENCES:** Please list three (3) references (Municipal Government) wherein your company has

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provided mechanical contractor services of this type being proposed for the Northwest Ottawa Water Treatment Plant. Failure to list references may result in your company being disqualified.

CITY	ADDRESS	CONTACT PERSON	TELEPHONE NUMBER
A.	_____	_____	_____
	_____	_____	_____
B.	_____	_____	_____
	_____	_____	_____
C.	_____	_____	_____
	_____	_____	_____

NOTE

Previous experience and performance may be a factor in making the award.

End of Instructions to Bidders Section

**CITY OF GRAND HAVEN
GRAND HAVEN, MICHIGAN
DEPARTMENT OF PUBLIC WORKS**

October 1, 2025

BID DOCUMENTS

1.0 INTRODUCTION:

The Northwest Ottawa Filtration Plant is soliciting bids to reline several fiberglass chemical storage tanks with a new fiberglass-reinforced plastic (FRP) resin layer.

The Northwest Ottawa Water Treatment Plant (NOWTP) supplies treated water to the Northwest Ottawa Water System (NOWS), requiring onsite storage of bulk chemicals including Sodium Hypochlorite (chlorine), Hydrofluosilicic Acid (fluoride), and Aluminum Sulfate (alum). Storage is handled via four bulk-tanks and two smaller day-tanks.

Over time, the protective gel coat lining these tanks degrades, especially with corrosive chemicals. Based on asset management standards and inspections, management has determined that the Fluoride and Alum tanks (installed in 1986) are overdue for relining, while the Chlorine tanks (installed in 2011) are due as scheduled. Chemical concentrations are listed in the scope of work (Section 1.3).

All tanks are located indoors, are structurally sound, and show no signs of leaking—only resin wear. As water treatment is a continuous operation, coordination is essential to minimize disruption. Fluoride can be temporarily offline; alum and chlorine systems will remain active during the work. A single labor mobilization is feasible with proper planning.

NOWTP will select a contractor to provide all labor, materials, tools, and equipment to complete the specified work.

1.2 CONTACT INFORMATION:

Eric Law, Water Treatment Plant Superintendent, will be the primary contact from the City of Grand Haven and can be contacted at 616-847-3487, or email at elaw@grandhaven.org.

1.3 SCOPE OF WORK:

The work included in this proposal shall be for preparing the interior surfaces of multiple fiberglass chemical storage tanks for a reapplied layer of NSF 61 compliant FRP coating to the design specified thickness of each tank for the chemical that it contains. The preparation must include a fully abraded surface to promote maximum adhesion of the new FRP coating. The choice of NSF 61 resin coating is expected to be the best choice available for the chemical it will contain.

The itemized cost per tank will include the replacement of all flange gaskets and hardware.

Work will be completed on the following fiberglass tanks. Asbuilts and Build Sheets are available on request.

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Sodium Hypochlorite – 15%	(2) Bulk Tanks 8,800 gallons/each	11’H x 10’D
Sodium Hypochlorite	(1) Day Tank 470 gallons	5’-3”H x 4’D
Hydrofluorosilicic Acid – 25%	(1) Bulk Storage 6,700 gallons	22’L x 7’D
Aluminum Sulfate – 11%	(1) Bulk Storage 9300 gallons	10’-3” x 12’D
Aluminum Sulfate	(1) Day Tank 370 gallons	4’-9” x 5’D

Dust mitigation is anticipated and expected.

The Contractor upon completion of each tank will lead an inspection with the owner using a coating thickness measurement device ensuring the new applied resin coating meets the design specification.

This contract is to be completed by April 30, 2026.

1.4 MATERIAL SPECIFICATIONS:

The contractor at minimum shall use the following materials or better for coating the interior surfaces of the chemical tanks as outlined.

ALL COATINGS MUST BE NSF61 COMPLIANT

Sodium Hypochlorite Tanks (Chlorine at 15%) Vipel® F010-H2O @ a minimum 200 mils

Hydrofluosilicic Tanks (Fluoride at 25%) Novolac – based vinyl ester resins. Derakane 470 Series or Coroflake 224AR VE @ a minimum 200 mils

Aluminum Sulfate Tanks (Alum at 30%) Novolac – based vinyl ester resins. Derakane 470 Series or Coroflake 224AR VE @ a minimum 200 mils

Upon inception, all materials are to be visually inspected by the owner or owner’s representative prior to application.

The contractor shall provide a minimum two (2) year warranty on labor and materials used.

Upon completion the contractor will perform a quality inspection of coating thickness using the ASTM D7091 standard for measuring dry film thickness with the owner or owner’s representative present.

1.5 GENERAL CONDITIONS:

A. Quality Control of Work

The City shall have the power to inspect all work for compliance with the specifications and the Contractor shall perform all of the work herein specified to the City’s entire satisfaction, approval and acceptance. The

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contractor will complete a coating thickness inspection with the owner using a calibrated thickness measurement device.

The Contractor is responsible for furnishing all labor, materials and equipment to construct and complete the work in compliance with the specifications, and special provisions unless otherwise specified. All material to be incorporated into the work; all labor to be performed; and all equipment, tools and methods to be used shall be subject to the approval of the City. It is the Contractors responsibility to complete the work and deliver a final product which meets all requirements of the specifications.

If any authorized agent of the City shall discover and notify the Contractor of any neglect or disregard of the specifications, such defects shall at once be remedied and further defective work be at once discontinued; but the right of final acceptance or condemnation of the work will not be waived by reason thereof, nor by any act of the City, his / her officers or agents.

B. Suspension of Work

Should the Contractor, with the approval of the City, stop work or should the weather conditions, in the opinion of the City, be such that the work could not be properly and safely performed, then the City may suspend the work until such time as weather conditions shall permit proper application of product. In case of stoppage of work, the Contractor shall, at his / her own expense, store and be responsible for material and protection of the work and be responsible for all accidents as though the work was in progress. Should the work be delayed or suspended with the approval of the City, the time of delay or suspension may be added to the time set for completion of the work.

C. Waivers of Lien Required

It is expressly understood that the City reserves the right to direct that no payment be made to the Contractor should the Water and Sewer Superintendent have reason to believe that said Contractor has failed for any reason to make just payment to any employee, subcontractor or material supplier used or employed by the Contractor in the prosecution of the work, until the City is satisfied that full and proper payment has been made. The Contractor shall secure and file with the City progress and final waivers of lien for all materials incorporated into and labor and equipment employed on the work before payment requests are processed.

D. Partial and Final Acceptance of the Work

Work on this contract is not subject to partial inspection and acceptance. The entire work shall be made in a neat and workmanlike manner and all requirements shall be complied with in detail. The mere fact that some particular part or portion of the work may have been previously inspected, cleaned and set in order will not excuse the Contractor from again cleaning any and all portions so that the entire system of work shall be in proper condition and subject to final inspection by the City and complying with the use intended at the time of acceptance by the City. The date of final acceptance of work on this contract is the date that the Contractor is issued final payment by the City.

E. Applicable Regulations and Standards

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All the latest and most recent of the standards, regulations, work rules, product specifications and workmanship practices listed will apply to this project unless otherwise approved by the City. NSF 61 compliant materials will be used.

F. Contractors Employees

The Contractor shall employ skilled foreman and laborers and shall, if directed by the City discharge from the site of the work any incompetent, abusive or disorderly employees.

G. Existing Facilities

The Contractor shall protect from damage or overspray of paint on all existing facilities, fixtures, vehicles, houses, and equipment liable to injury by his / her operations and shall, at their own expense, make good all such damages to the satisfaction of the Owner and City.

The Contractor shall clean and maintain all work areas adjoining the project site free from all construction debris at all times. The Contractor is also responsible for the immediate removal of debris from adjacent work areas caused by construction foot traffic entering and leaving the project area. Dust mitigation must be provided.

H. Ordinances and Safety

The Contractor shall observe all laws and ordinances controlling or limiting those engaged in public work. Contractor shall provide and maintain such sanitary accommodations for the use of his / her employees as may be necessary to comply with the State and Local Board of Health requirements. Public nuisances will not be tolerated. Start of work within the City shall be from **7:00 a.m. to 7:00 p.m.** under the noise ordinance. Contractor shall abide by O.S.H.A. and Mi. O.S.H. Regulations in Sandblasting/ Painting and exposure to paint and cleaning solvents. Contractor shall provide all necessary signage for working in the Road Right of Way.

I. Payment for Completed Work

Any payments made to the Contractor during the progress of the work shall in no way lessen the total and final responsibility of the Contractor, nor in any manner whatsoever waive any of the terms, conditions, covenants or requirements of the contract, nor be considered a ratification of any act on the part of the Department of Public Works Superintendent or his representative of the City which in any manner may contravene any of the requirements or provisions of the Contract. During the course of the improvement, if the rate of progress is satisfactory to the Superintendent of the City, and it appears that all claims for labor and materials are satisfied, a progress payment may be requested by the Contractor to the Water and Sewer Superintendent for payment on a per hydrant bid amount.

End of Bid Documents Section

PROPOSAL FORM

**CITY OF GRAND HAVEN
 GRAND HAVEN, MICHIGAN
 DEPARTMENT OF PUBLIC WORKS**

Ms. Maria Boersma, City Clerk
 519 Washington Avenue
 Grand Haven, MI 49417

_____ Date

Dear Ms. Boersma:

Completely in accordance with your notice, instructions and specifications dated **October 1, 2025**, the undersigned declares that they have carefully examined the requirements of specifications contained herein, and propose to furnish and deliver professional services to the City of Grand Haven to reline the interior surface of multiple fiberglass chemical storage tanks at the Northwest Ottawa Water Treatment Plant. The City of Grand Haven may, at its sole discretion, award the contract based on what it deems to be in the best interest of the City of Grand Haven.

ITEM NUMBER	QUANTITY	DESCRIPTION	PER UNIT	TOTAL
1	1	Mobilization		
2	2	Abrade a Reline Sodium Hypochlorite Bulk Tank with NSF 61 RFP Resin		
3	1	Abrade a Reline Sodium Hypochlorite Day Tank with NSF 61 RFP Resin		
4	1	Abrade a Reline Hydrofluorosilicic Acid Bulk Tank with NSF 61 RFP Resin		
5	1	Abrade a Reline Aluminum Sulfate Bulk Tank with NSF 61 RFP Resin		
6	1	Abrade a Reline Aluminum Sulfate Day Tank with NSF 61 RFP Resin		

TOTAL COST: _____

In submitting this Bid, Bidder represents, as set forth in the Agreement, that:

Bidder has examined and carefully studied the Bidding Documents and the following Addenda, receipt of all which is hereby acknowledged:

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Addendums

1. Section 1.3: The definition of interior surface has not been specified. Contractors are asked to provide services to the floor and walls of the tanks listed. The domed ceilings are not part of the scope of services. Eric Law 10/8/2025
2. Section 1.3: The replacement of flanges has not been specified. It has been discovered that flanges under certain diameters are unable to be properly recoated. Hypochlorite Tanks flanges below the tank's normal liquid levels and less than eight inches in diameter will be removed and replaced. This will be a total of four (4) 2-inch flanges for the two bulk tanks and two (2) 1-1/2 inch flanges on the day tank. None of the other tanks will have flanges removed. All flanges above eight inches in diameter regardless of chemical tank will be resurfaced in the same manner as the walls and floors of the tank. Eric Law 10//8/2025

All Federal and State taxes have been deducted and all prices are reflected in the Total Cost.

(Bidder's Company Name)

(Bidder's Telephone Number)

(Bidder's Mailing Address)

(Bidder's E-mail Address)

(Bidder's Signature)

(Print Bidder's Name)

End of Proposal Form

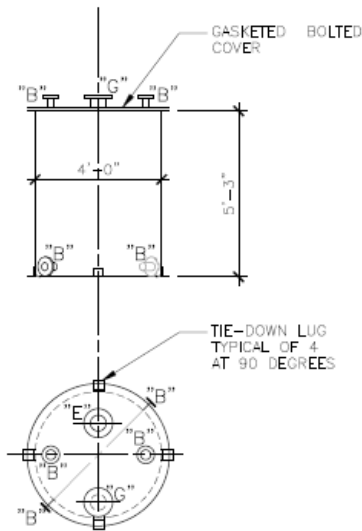
October 1, 2025

ATTACHMENT 1 & 6 (Follows this page)

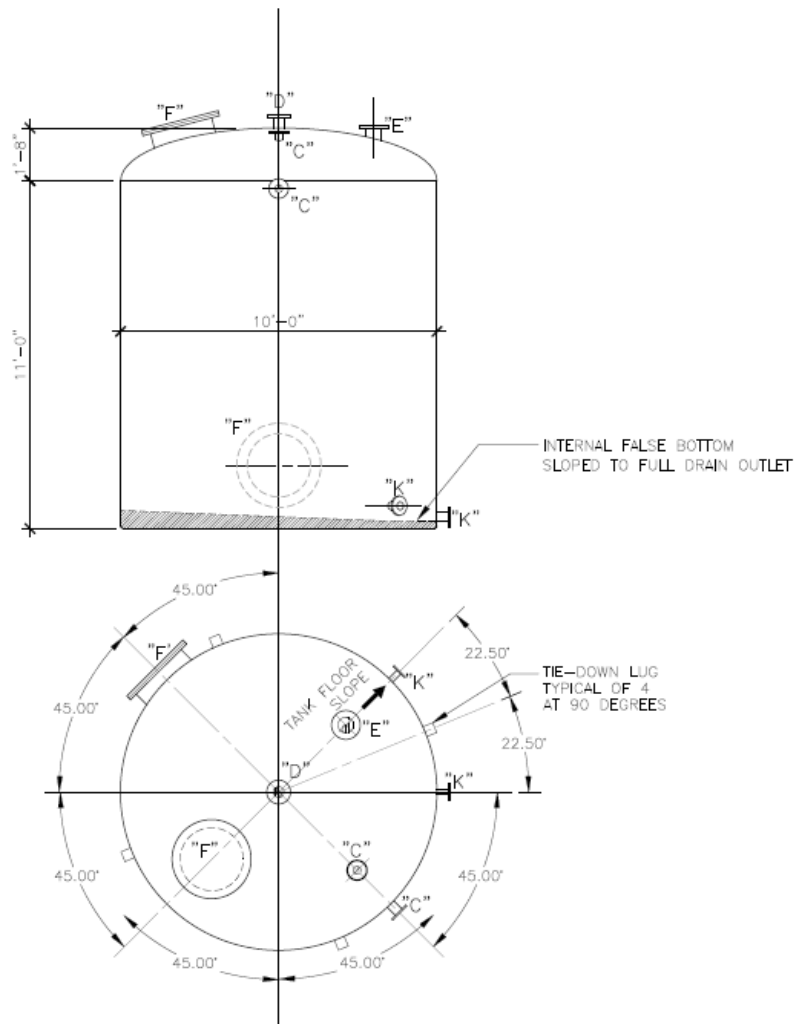
**CITY OF GRAND HAVEN
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Attachment 1

TANK NOZZLE KEY SCHEDULE	
A	1 INCH FLANGED - FILL DRAW
B	1-1/2 INCH FLANGED - VENT/INLET/OUTLET
C	3 INCH FLANGED - OVERFLOW, INLET, LEVEL CONTROL
D	4 INCH FLANGED - VENT
E	6 INCH FLANGED - LEVEL CONTROL
F	24 INCH FLANGED, GASKETED MANWAY
G	6 INCH FLANGED INSPECTION PORT
J	2 INCH NPT - LEVEL CONTROL
K	2 INCH FLANGED - INLET/OUTLET/OVERFLOW
L	3/4 INCH NPT - SIGHT GLASS



SODIUM HYPOCHLORITE DAY TANK T-3
NO SCALE



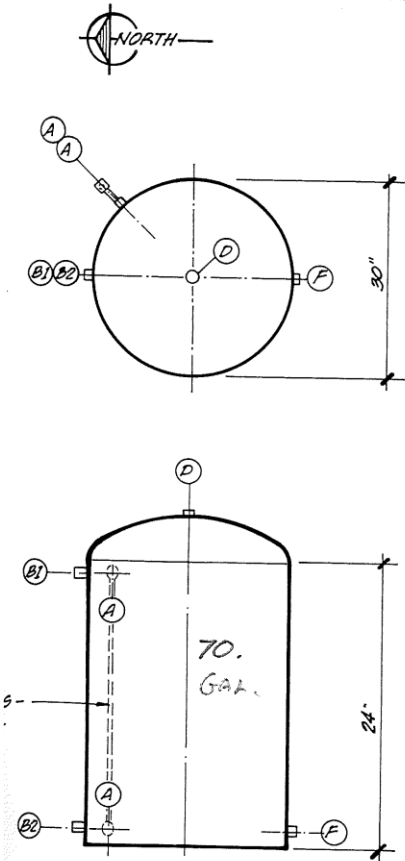
SODIUM HYPOCHLORITE BULK TANKS T-1 T-2
NO SCALE

FRP TANK DETAILS

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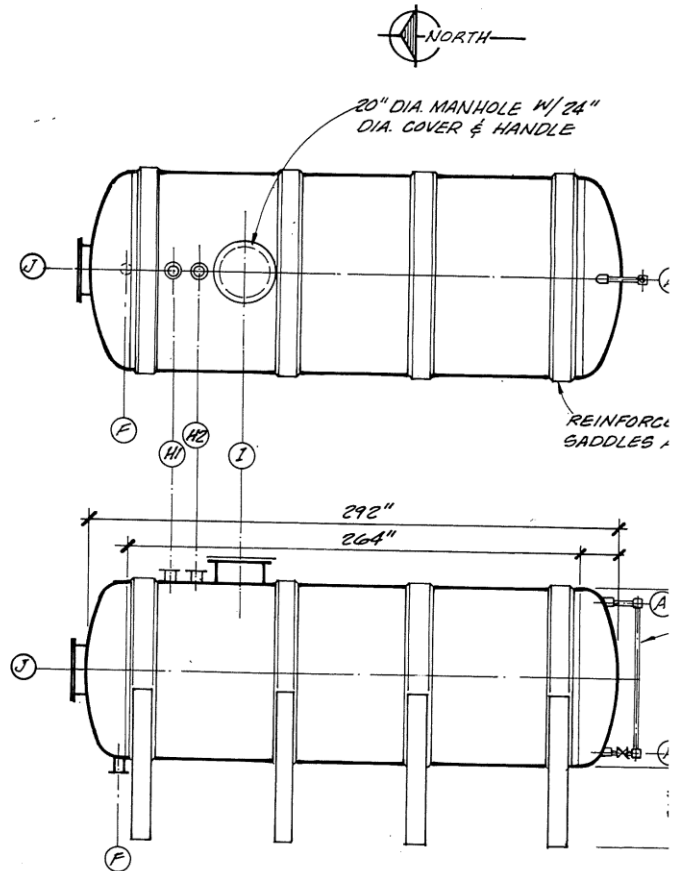
Attachment 2

NWOWTI - Eric 616-847-3488



FLUORIDE DAY TANK
 NO SCALE

- A' SIGHT GLASS CONNECTIONS
- B1' PRESSURE RELIEF LINE CONNECTION
- B2' METRIC PUMP SUCTION LINE CONNECTION



FLUORIDE STORAGE TANK 67
 NO SCALE

- A' SIGHT GLASS CONNECTIONS
- F' DAY TANK FILL LINE CONNECTION

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Attachment 3

**Plas-Tanks
INDUSTRIES, INC.**

5011 Factory Drive — Fairfield, Ohio 45014 — 513/829-8888

DATE	QUOTATION NUMBER	YOUR INQUIRY NUMBER	TERMS	F.O.B.	SHIP VIA TRUCK RAIL	ESTIMATED COMPLETE AFTER DRAWING APPROVAL
4-24-84	MI 84-008		Net 30	Fairfield, Ohio		4/6 wks. plus factory load

TO: NORTHWEST OTTAWA WATER TREATMENT PLANT

YOUR PLAS-TANKS REPRESENTATIVE:
COLLEY & SCHLEE
30903 TEN MILE ROAD
FARMINGTON HILLS, MI 48024
PHONE: 313/476-6970
ATTN: Jack Wagner

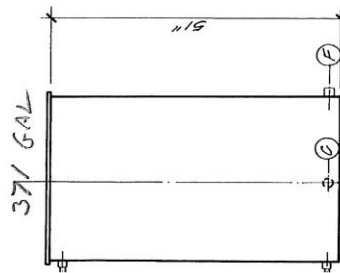
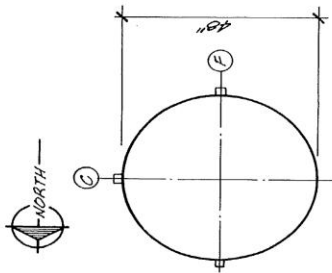
IN RESPONSE TO YOUR INQUIRY, WE ARE PLEASED TO SUBMIT THE FOLLOWING QUOTATION SUBJECT TO THE TERMS AND CONDITIONS NOTED ON THE REVERSE SIDE.

QUANTITY	PRODUCT DESCRIPTION	AMOUNT
	PAGE -2-	
	<p><u>FLUORIDE STORAGE TANK</u> (continued)</p> <p>1-24" top hinged manway w/cover & latch 1-24" side flanged manway w/cover, neoprene gasket & zinc plated fasteners 1-1 1/2" FRP threaded fitting, fill 2-1/2" FRP threaded fitting w/PVC sight glass</p> <p>FULL TWO YEAR WARRANTY</p> <p>OPTION: Tank with all Isophthalic resin construction which will withstand saturated aluminum sulfate - Deduct \$542.00 from tank price</p> <p>SERVICE: This tank is designed for storage of 30% Hydrofluosilicic acid, ambient temperature, atmospheric pressure.</p> <p><u>FLUORIDE DAY TANK</u></p> <p>PLAS-TANKS hand lay-up/Spray up fiberglass reinforced tank manufactured to the same specifications as the previous tank with the following exceptions;</p> <p>Flat bottom, dish top 2'-6" inside diameter, 2'-0" straight shell height 70 gallons nominal capacity With: 2-1/2" FRP threaded fittings, pressure relief and metering pump</p> <p>1-4" FRP threaded fitting, vent 2-1/2" FRP threaded fittings with sight glass 1-1 1/2" FRP threaded fitting, inlet</p> <p>FULL TWO YEAR WARRANTY</p>	

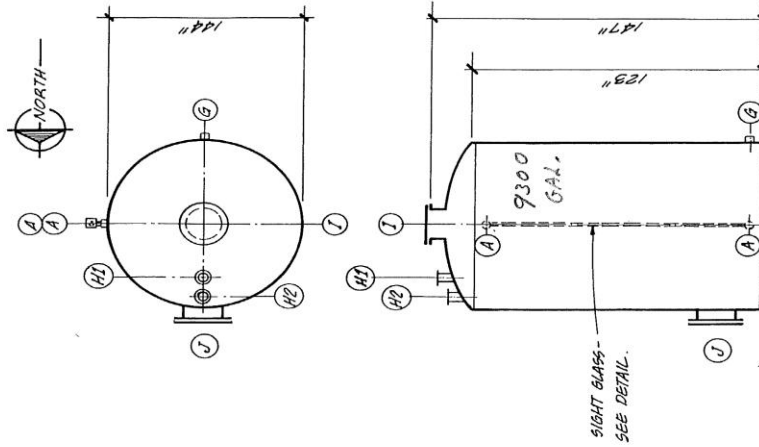
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Attachment 4

ANNOWITP - Eric 616-847-3488



IM DAY TANK
 NO SCALE
ALUM DAY TANK



ALUM STORAGE TANK
 NO SCALE

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Attachment 5

Plas-Tanks
INDUSTRIES, INC.

4011 Factory Drive — Fairfield, Ohio 45014 — 513/829-8888

DATE	QUOTATION NUMBER	YOUR INQUIRY NUMBER	TERMS	FOB	SHIP VIA TRUCK RAIL	ESTIMATED COS AFTER GRAN APPROX
4-24-84	MI 84-008		Net 30	Fairfield, Ohio		4/6 wks. factory

YOUR PLAS-TANKS REPRESENTATIVE:

NORTHWEST OTTAWA WATER TREATMENT PLANT

COLLEY & SCHLES
 30903 TEN MILE ROAD
 FARMINGTON HILLS, MI 48
 PHONE: 313/476-6970

IN RESPONSE TO YOUR INQUIRY, WE ARE PLEASED TO SUBMIT THE FOLLOWING QUOTATION SUBJECT TO THE TERMS AND CONDITIONS NOTED ON THE REVERSE

QUANTITY	PRODUCT DESCRIPTION	AMOUNT
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ALUM STORAGE TANK

PLAS-TANKS filament wound fiberglass reinforced plastic tank manufactured in accordance with Specification ASTM D-3299-81 and job specifications. Inner corrosion liner fabricated with Atlac 580 vinyl ester resin. Reinforced with Nexus Synthetic veil and backed with 100 MIL chopped strand fiberglass laminate. Balance of laminate fabricated to full wall thickness with Atlac 580 vinyl ester resin. Exterior surface finished with translucent exterior protective coating.

Slope bottom, (internal)

Dish top

12' inside diameter, 10'-3" straight shell height

9,300 gallons nominal capacity

- With:
- 4-zinc plated steel tie down lugs
 - 4-zinc plated steel lifting channels
 - 1-2" flanged nozzle, fill
 - 1-3" flanged nozzle, vent
 - 1-3" flanged nozzle, fill
 - 1-24" top hinged manway w/cover & latch
 - 1-24" side flanged manway w/cover, neoprene gasket and zinc plated fasteners
 - 2-1/2" FRP threaded fitting with PVC sight glass

FULL TWO YEAR WARRANTY

OPTION: Tank with all Isophthalic resin construction which will withstand saturated aluminum sulfate - Deduct \$665.00 from tank price.

SERVICE: This tank is designed for storage of saturated aluminum sulfate, ambient temperature and atmospheric pressure

FREIGHT: Freight to Northwest Ottawa City Michigan for all tanks Via Truck - \$850.00

**CITY OF GRAND HAVEN
GRAND HAVEN, MICHIGAN
DEPARTMENT OF PUBLIC WORKS**

Attachment 6

**Plas-Tanks
INDUSTRIES, INC.**

5011 Factory Drive — Fairfield, Ohio 45014 — 513/829-8888

*8-13-81
Called Sid Holwerda. He will Reply in
writing to 13415, 2.02. A+B to clarify
the topics not covered in this submittal.*

DATE	QUOTATION NUMBER	YOUR INQUIRY NUMBER	TERMS	F.O.B.	SHIP VIA TRUCK RAIL	ESTIMATED COMPLETION AFTER DRAWING APPROVAL
4-24-84	MI 84-008		Net 30	Fairfield, Ohio		4/6 wks. pend. factory load

TO: All Contractors
FOR: APPROVED FOR SUBMITTAL
NORTH TOPEKA CANTAWA WATER TREATMENT PLANT
SPARTAN MECHANICAL SERVICES, INC.

YOUR PLAS - TANKS REPRESENTATIVE:
Plas-Tanks Industries
c/o COLLEY & SCHLEE
30903 TEN MILE ROAD
FARMINGTON HILLS, MI 48024
PHONE: 313/476-6970
ATTN: JACK WAGNER

JUL 25 1984

Bid Date: May 3, 1984

IN RESPONSE TO YOUR INQUIRY, WE ARE PLEASED TO SUBMIT THE FOLLOWING QUOTATION SUBJECT TO THE TERMS AND CONDITIONS NOTED ON THE REVERSE SIDE

SID HOLWERDA, P.E.

QUANTITY	PRODUCT DESCRIPTION	AMOUNT
1	<p><u>ALUM DAY TANK</u></p> <p>PLAS-TANKS hand lay-up/Spray up fiberglass reinforced plastic tank manufactured in accordance with Specification NBS PS 15-69 and job Specifications. Inner corrosion liner fabricated with Atlac 580 vinyl ester resin, reinforced with 2 Ply Nexus Synthetic veil and backed with 100 Mil chopped strand fiberglass laminate. Balance of laminate fabricated to full wall thickness with Atlac 580 vinyl ester resin. Exterior surface finished with translucent exterior protective coating.</p> <p>Flat bottom, open top 4'-0" inside diameter, 4'-3" straight shell height 371 gallons nominal capacity</p> <p>With: 1-Full cover with cut out 1-3/4" FRP threaded fitting for metering pump 1-1/2" FRP threaded fitting, fill 2-1/2" FRP threaded fittings w/pvc sight glass</p> <p>FULL TWO YEAR WARRANTY</p> <p>SERVICE: This tank is designed for storage of saturated aluminum sulfate, ambient temperature and atmospheric pressure.</p>	
1	<p><u>FLUORIDE STORAGE TANK</u></p> <p>PLAS-TANKS hand lay-up/Spray up fiberglass reinforced tank manufactured to the same specifications as the previous tank with the following exceptions:</p> <p>Above ground horizontal tank having 4 FRP Support Saddles 7'-0" inside diameter, 22' straight shell length 6,700 gallons nominal capacity</p> <p>With: 1-3" flanged nozzle, fill 1-3" flanged nozzle, vent</p>	

(CONTINUED)

NOTE: The terms and conditions of sale noted on the reverse side are an important part of this instrument, changes and