



Purchasing Division
18 North County St 9th Floor
Waukegan, IL 60085-4350
Phone 847 377 2929
Fax 847 984 5889

October 26, 2012

ADDENDUM #1 (Page 1 of 21)

INVITATION TO BID #12186
Improvements for Diamond Lake Lift Stations, PW 2010.048,
for Lake County Department of Public Works
Bid Opening Date: Thursday, November 1, 2012; 2:00 p.m. Local Time

Please note the following clarifications, revisions, and additions to the bid documents.

THE FOLLOWING ARE REVISIONS TO THE CONTRACT DOCUMENTS.

I The following are revisions to the FRONT END DOCUMENTS.

- 1. Bid Form: Replace the entire Bid form, Pages B-1 through B-13 with the new, Revised Bid Form, included herein. A new base bid supplier is added. The bidder certification note is deleted.
2. Certificate of installation Services form, Page CS-1: Add the following note: The certificate of installation services form shall be completed for the following equipment:
a. Submersible pumps
b. Generators
c. Flow meters

II. The following are revisions to the PLANS/ SPECIFICATIONS.

- 1. Plan sheet GN1: Add the following note: Construction Activities shall be restricted to Monday through Friday between the hours of 7:00 am and 3:30 p.m. Work after 3:30 pm and/or on weekends will be approved or denied by the Owner on a case by case basis.
2. Plan sheet GN1: Add the following note: The contractor shall take all necessary measures to control dust and mud associated with the work on this project. The contractor shall clean the pavement of all dirt and debris at the end of each day's operations.

PLEASE SIGN THIS FORM AND E-MAIL TO purchasing@lakecountyil.gov or FAX TO 847-984-5889 WITHIN 24 BUSINESS HOURS. RETURN ORIGINAL WITH BID.

I will be submitting a bid \_\_\_\_\_ or I will not be submitting a bid because \_\_\_\_\_

Sincerely,

[Handwritten signature]

RuthAnne Hall
Lake County Purchasing Agent

Acknowledged and Accepted 12186-01:

Signature: \_\_\_\_\_

Company: \_\_\_\_\_



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**October 26, 2012**

**ADDENDUM #1 (Page 2 of 21)**

**INVITATION TO BID #12186**

**Improvements for Diamond Lake Lift Stations, PW 2010.048,  
for Lake County Department of Public Works**

**Bid Opening Date: Thursday, November 1, 2012; 2:00 p.m. Local Time**

**Addendum #1 Continued.**

3. Plan sheet ENG1: Revise note #1 on the Acorn Lane bypass pumping plan to read as follows:  
Two bypass pumps are required. The TDH (total dynamic head) requirement will depend on the status of an adjacent construction project that is being completed by others.  
    Scenario 1: Discharge at the Diamond Lake WRF (800 GPM @ Approx. 115' TDH)  
    Scenario 2: Discharge at intersection Acorn Ln and Wiech Rd (800 GPM @ Approx. 55' TDH)
4. Plan sheet ENG1: Revise note #7 on the Acorn Lane bypass pumping plan to read as follows:  
Maximum sewage water level in sewer system during bypass pumping operations shall not exceed elevation of 746.00.
5. Plan sheet ENG1: Add the following note # 12 on the Acorn lane bypass pumping plan:  
The existing 8 inch PVC force main discharge is located at the Diamond Lake WRF. The existing force main is approx. 4,900 feet in length and has a high point elevation of 779.0 and a discharge elevation of 763.00. The future 8 inch PVC force main discharge will be located at the intersection of Acorn Lane and Wiech Road. The future force main and will be 1,300 feet in length and have a high point elevation of 770.0 and a discharge elevation of 765.00. Construction by others will change the force main discharge location and is anticipated to take place by April 7, 2013.
6. Plan sheet L-SPEC1 Add the following note to the Acorn wet well lining system specification:  
The minimum liner thicknesses shall be applied to the interior of the wet well, however the liner thickness may change based on the condition of the wet well and recommendations by the liner manufacture and applying contractor. The concrete wet well rehabilitation, repair material and installation shall be in strict conformance with the liner manufactures requirements.

(A) Spectra Shield	500 mils
(B) Strong Seal Systems- Profile Plus	0.5 inches
Strong Seal Epoxy	40 mils
(C) Sewer Guard HBS 100 Epoxy Liner	40 mils
(D) Spraywall	125 mils
7. Plan sheet L-SPEC1: Revise the first sentence of the Valve Vault specification to read:  
A new 10 ft. by 10 ft. valve vault shall be supplied and installed.
8. Plan sheet L-SPEC1: Add the following note to the Acorn concrete valve vault specification:  
The concrete valve vault shall be designed for vehicle loading. The contractor shall submit calculations and detailed shop drawings that are signed and sealed by a structural engineer licensed in the state of Illinois.
9. Plan sheet L- SPEC2: Add Duplex Prefabricated Steel Lift Station with Valve Vault specification, included herein.



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**ADDENDUM #1 (Page 3 of 21)**

**INVITATION TO BID #12186  
Improvements for Diamond Lake Lift Stations, PW 2010.048,  
for Lake County Department of Public Works  
Bid Opening Date: Thursday, November 1, 2012; 2:00 p.m. Local Time**

**Addendum #1 Continued.**

III. Requests for Information received during the bidding period and responses.

1. **Question:** What is the Engineer's Estimate for this project?  
**Response:** The Engineer's estimate is \$780,000.
2. **Question:** Is there an anticipated award date for this project?  
**Response:** The Notice of Award will most likely be issued by the County Purchasing Department following the November 20, 2012 County Board Meeting.
3. **Question:** Will the Owner be able to supply the IEPA's LPC-663 form?  
**Response:** Yes, the Owner will sign off on IEPA's LPC-663.
4. **Question:** Have buoyancy calculations been determined for the fiberglass lift station? If so, how may we obtain a copy of the results? If not, who is responsible for the calculations?  
**Answer:** A copy of the Engineer's buoyancy calculation will be provided upon request to the Owner.
5. **Question:** Can you issue a copy of the sign in sheet from the pre-bid meeting?  
**Response:** The sign in sheet, 2 pages, is included herein.
6. **Question:** Will cathodic protection be required for this project?  
**Response:** We have added steel prefabricated lift station as allowable equipment as part of this addendum. Steel prefabricated lift station will require cathodic protection.
7. **Question:** Is there a "Bidder Certification Section" as indicated per item 14a on page B-7 of the Bid Form?  
**Response:** This requirement has been deleted. Refer to the revised bid form included herein.
8. **Question:** Are concrete pads per the detail on plan page D2 required for the Maple Avenue station generator and traffic box or will the 5" PCC pavement be sufficient for these items?  
**Response:** Installation of the concrete pads is required.
9. **Question:** When installing the new Maple lift Station, there may be times when Elmwood Lane will need to be closed. Is it possible to close down Elmwood Lane for a few days?  
**Response:** A road closure on Elmwood Lane will be acceptable for 3 days. All lane and road closures must be coordinated with the Freemont Township Highway Department, with detour routing signage in accordance with the Freemont Township Highway Department and IDOT requirements.



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ADDENDUM #1 (Page 4 of 21)

**INVITATION TO BID #12186**  
**Improvements for Diamond Lake Lift Stations, PW 2010.048,**  
**for Lake County Department of Public Works**  
**Bid Opening Date: Thursday, November 1, 2012; 2:00 p.m. Local Time**

**Addendum #1 Continued.**

- 10. Question:** The hatches shown on Sheet LS2 for the valve vault and lift station have part numbers that are rated at 300 lbs. The specification states that a 500 lb support rate is required. Please advise.  
**Response:** The hatches shall be rated for pedestrian loading using a 300 lbs. / square foot uniform live load.
- 11. Question:** In regards to the Maple Lane Lift Station, does the new wet well and valve vault need to be fiberglass as shown? Can a precast or steel lift station be offered as an alternate?  
**Response:** Fiberglass and steel are acceptable. A steel specification has been added as a part of this addendum. Precast concrete is not an acceptable material.

**END OF ADDENDUM #1**

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**BID FORM REVISED PER ADDENDUM #1**

**BID NUMBER: 12186**

**DIAMOND LAKE LIFT STATIONS  
MODIFICATIONS**

Project Number: PW 2008.070  
for the Lake County Department of Public Works  
Lake County, Illinois

THIS BID IS SUBMITTED TO:

Lake County Department of Public Works  
650 Winchester Road  
Libertyville, IL 60048

(hereinafter called OWNER)

- 1) The undersigned Bidder proposes and agrees, if this bid is awarded, to enter into an Agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Bid Price and within the Bid Times indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
- 2) Bidder accepts all of the terms and conditions of the Official Notice to Bidders and Instructions to Bidders, including without limitation those dealing with the disposition of the Bid Security. This Bid will remain open for the period of time specified in the Official Notice to Bidders after the day of Bid opening. Bidder will sign and deliver the required number of counterparts of the Agreement with the Bonds, evidence of insurance coverage, and other documents required by the Bidding Requirements within 10 days after the date of OWNER's Notice of Award.
- 3) In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:
  - a) Bidder shall access Lake County website to obtain all addendum. Bidder has examined and carefully studied all the Bidding Documents and the following Addenda receipt of all which is hereby acknowledged:

<u>Addendum Date</u>	<u>Addendum Number</u>
_____	_____
_____	_____
_____	_____

- b) Bidder has visited the site and become familiar with and satisfied itself as to the general, local, and site conditions that may affect cost, progress, performance and furnishing of the Work;

- c) Bidder is familiar with and has satisfied itself as to all federal, state, and local laws and regulations that may affect cost, progress, performance, and finishing of the Work.
- d) Bidder is aware of the general nature of the Work to be performed by OWNER and others at the site that relates to Work for which the Bid is submitted as indicated in the Contract Documents.
- e) Bidder has correlated the information known to Bidder from information and observation obtained from visits to the site, reports, and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
- f) Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to Bidder, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which the Bid is submitted.
- g) This Bid is genuine and not made in the interest or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, or organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or a corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
- i) Bidder certifies that Bidder is not barred from bidding on this Contract as a result of a conviction for either bid-rigging or bid-rotating under the provisions contained in chapter 38, Paragraphs 33E-3 and 33E-4 of the Illinois Revised Statutes.

#### 4) NON-COLLUSION STATEMENT

- a) By submission of the Bid, the undersigned certifies, and in the case of a joint Bid, each party thereto certifies as to his own organization, that in connection with the Bid:
  - 1. The prices in the Bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any manner relating to such process with any other Bidder or with any competitor;
  - 2. Unless otherwise required by law, the prices which have been quoted in the Bid have not knowingly been 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 or firm to submit or not to submit a Bid for the purpose of restricting competition.

#### 5) CERTIFICATION STATEMENT

- a) Each person signing the bid shall certify that:

1. He is the person in the Bidder's organization responsible within that organization for the decision as to the prices being Bid and that he has not participated, and will not participate, in any action contrary to Paragraphs 1 through 3, above; or
  2. He is not the person in the Bidder's organization responsible within that organization for the decision as to the prices being Bid but that he has been authorized to act as agent for the persons responsible for such decision in certifying that such persons have not participated and will not participate, in any action contrary to Paragraphs 1 through 3, above, and as their agent shall so certify; and shall also certify that he has not participated, and will not participate in any action contrary to Paragraphs 1 through 3 above.
- 6) Bidder shall include a lump sum allowance of \$25,000.00 for SCADA improvements that are not shown on the contract documents.
- 7) Bidder will construct this project in accordance with the Contract Documents for the following lump sum amounts:

**Base Bid**

ITEM NO.	ITEM DESCRIPTION	AMOUNT
1	Acorn Lane and Maple Avenue Lift Stations Demolition Work	\$
2	Maple Avenue lift Station Site Work – new pumps, wet well, valve vault, pig launch station, new piping including fittings, valves, force main pigging, gas service and trench backfill	\$
3	Acorn Lane lift Station Site Work- new pumps, valve vault, pig launch station, air release vault, new piping including fittings, valves, gas service and trench backfill	\$
4	Maple Ave. Lift Station Shoring- installation and removal of shoring required to install new lift station	\$
5	Acorn Lift Station Wet Well Liner – sand blasting preparation and application of new liner	\$
6	Acorn Lane Lift Station Electrical Work – All electrical work including removal, replacement of service, disconnects, breakers, generator, transfer switch, panels, cabinets, conduits, conductors, and pump controls, coordination with Commonwealth Edison,	\$

7	Maple Ave. Lift Station Electrical Work – All electrical work including removal, replacement of service, disconnects, breakers, generator, transfer switch, panels, cabinets, conduits, conductors, and pump controls, coordination with Commonwealth Edison,	\$
8	Acorn lane and Maple Ave. Lift Stations Fence Work – New chain cyclone fence, with man gate and vehicle gates, Installation and removal of temporary fence	\$
9	Acorn Lane Site Restoration - lawn restoration, new asphalt paving, pavement replacement required for work in roadway,	\$
10	Maple Ave. lift station Site Restoration- lawn restoration, new asphalt and concrete paving, pavement replacement required for work in roadway,	\$
11	Acorn lane and Maple Ave. Lift Stations Painting – All painting of equipment, piping, supports,	\$
12	Acorn Lane lift Station Bypass Pumping – equipment rental and work involving bypass pumping during construction work outages including providing temporary power and temporary piping.	\$
13	SCADA Allowance – To be used by LCPWD for supplemental SCADA and instrumentation associated with this project.	\$ 25,000.00
<b>Total Bid Amount (Items 1. through 13.)</b>		<b>\$</b>

TOTAL BID AMOUNT FOR DETERMINATION OF LOWEST BID (Sum of 1 through 13 above)

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Written

\$ \_\_\_\_\_  
 Figures

8) Base Bid Material and Equipment

- a. The Base Bid amounts set forth above are based upon equipment manufactured by the “Base Bid Manufacturer”. Where more than one manufacturer is listing in this column, only one should be circled below. **Bidder shall select and circle one “Base Bid Manufacturer” for each item.** The differential cost space for that selected base bid manufacturer should then be left blank.

- b. For each listed “Substitute Manufacturer and Model”, the cost differential shall be written in the associated space. **Bidder shall provide a differential cost (+ or -) for all named “Substitute Manufacturers and Models”.** Bidders may also propose other manufacturers and models and write in differential cost as long as the models proposed meet the Contract Specifications.
- c. Owner shall have no obligation to accept any of the proposed substitutions, and no proposed substitution shall be accepted unless it complies with all terms of the Contract.
- d. A proposed substitution shall only be accepted by Change Order issued by OWNER within 90 Days following the Commencement Date and, if a proposed substitution is accepted, the Contract Price shall be adjusted in accordance with the cost differential indicated below with no Contract time extension.

Equipment	Base Bid Manufacturer And Model (Circle One)	Substitute Manufacturers And Models	Total Amount of Deduction (-) or Addition (+)
Submersible Pumps for Acorn Lane lift station	(A) KSB Model KRT K 150-400/326XG-S  (B) ABS Model XFP150G CB1  (C) Hydromatic Model S6L/S6LX	(A) KSB Model KRT K 150-400/326XG-S  (B) ABS Model XFP150G CB1  (C) Hydromatic Model S6L/S6LX  (D) _____ Model _____	\$ _____  \$ _____  \$ _____  \$ _____
Submersible Pumps for Maple Ave. Lift Station	(A) KSB Model KRT E 100-251/74XG-S  (B) ABS Model XFP100G CB1  (C) Hydromatic Model SM4/S4X	(A) KSB Model KRT E 100-251/74XG-S  (B) ABS Model XFP100G CB1  (C) Hydromatic Model SM4/S4X  (D) _____ Model _____	\$ _____  \$ _____  \$ _____

Generators for Acorn lane lift station)	(A) Caterpillar Model G100 LG  (B) Kohler Model 100REZ GD	(A) Caterpillar Model G100LG  (B) Kohler Model 100REZ GD  (C) _____ Model _____	\$ _____  \$ _____  \$ _____
Generators for Maple Ave. lift station	(A) Caterpillar Model G40 LG  (B) Kohler Model 40 REZ G	(A) Caterpillar Model G40 LG  (B) Kohler HIK Model 40 REZ G  (C) _____ Model _____	\$ _____  \$ _____  \$ _____
Wet Well Liner for Acorn Lift Station	(A) Spectra-Shield  (B) Sprayroq Spraywall	(A) Spectra Shield  (B) Sprayroq Spraywall  (C) Strong Shield Systems- Profile Plus  (D) Sewer Guard HBS 100 Epoxy Liner  (E) _____	\$ _____  \$ _____  \$ _____  \$ _____  \$ _____

- 9) Bidder agrees that the work will be substantially completed and ready for final payment in accordance with Paragraph 14.07B of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 10) Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the work within the times specified in the Agreement.
- 11) The following documents are attached and made a condition of this Bid:

Required Bid Security in the form of \_\_\_\_\_  
(Certified Check or Bid Bond)

in the amount of \_\_\_\_\_  
(Dollars or Percent)

12) Communications concerning this Bid shall be addressed to the Bidder as indicated below:

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

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

State: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

13) The terms used in this Bid are defined in the General Conditions of the Construction Contract or the Instructions to Bidders.

I hereby certify that as Bidder I/we have examined and carefully prepared this Bid from the Bidding Documents and have checked the Bidding Documents in detail before submitting this Bid, and that all statements herein are made on behalf of:

**An Individual:** By (Written) \_\_\_\_\_  
(Typed) (Individual's Name)

doing business as \_\_\_\_\_

Business address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

**A Partnership:** By \_\_\_\_\_ (Firm Name)

By (Written) \_\_\_\_\_

(Typed) (General Partner)

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

Phone No.: \_\_\_\_\_

**A Corporation:** By \_\_\_\_\_ (Corporation Name)  
\_\_\_\_\_ (State of Incorporation)

By (Written) \_\_\_\_\_  
(Typed) \_\_\_\_\_ (Name of Person Authorized to Sign)  
(Title) \_\_\_\_\_ (Corporate Seal)

Attest (Written) \_\_\_\_\_  
(Typed) \_\_\_\_\_ (Secretary)

Business address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone No.: \_\_\_\_\_

**A Joint Venture:** By (Written) \_\_\_\_\_  
(Typed) \_\_\_\_\_ (Name)  
\_\_\_\_\_ (Address)

By (Written) \_\_\_\_\_  
(Typed) \_\_\_\_\_ (Name)  
\_\_\_\_\_ (Address)

Phone number and address for receipt of official communications:

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

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above).

Sworn and subscribed to before me this

\_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Notary or other officer authorized to administer oaths

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

Bidders shall not add any conditions or qualifying statements to this Bid as otherwise the Bid may be declared irregular as being not responsive to the advertisement. **BIDDERS SHALL USE THIS BID FORM IN SUBMITTING THEIR BIDS.**



Central Services Department  
18 North County Street – 9th Floor  
Waukegan, Illinois 60085-4350

Phone 847-377-2929

## CONTRACTOR QUALIFICATION FORM

Please return this form with all Bid Documents by the date and time shown on the Invitation to Bid.

If you have submitted one of these forms within the last twelve (12) calendar months, complete Pages 1 and 4 only. Review Pages 2 and 3 and make any changes or corrections from your previous submittal.

Pursuant to applicable sections of the Lake County Purchasing Ordinance, the Purchasing Department is required to determine whether or not a bidder is responsible. A responsible bidder is defined as "an entity (business) who has the capability in all respects to perform fully the contract requirements, and the tenacity, perseverance, experience, integrity, reliability, capacity, facilities, equipment, and credit which will assure good faith performance." Information furnished by a bidder will be reviewed by the Central Services Department, using department, and the project architect /engineer. Said information shall not be otherwise disclosed without prior written consent by the bidder. Failure to submit this form by the date and time specified shall be cause for rejection of your bid.

Contractor Name: \_\_\_\_\_

Project Name: \_\_\_\_\_

For the current proposed project, list work to be performed by your own forces:

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

2. List Proposed Major Subcontractors for this Project:



7. Insurance Company: \_\_\_\_\_  
Agency Name: \_\_\_\_\_  
Agency Address: \_\_\_\_\_  
Contact Person: \_\_\_\_\_

8. Trade References (List Four):

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone #: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone #: \_\_\_\_\_

9. A. Have you within the last five years failed to complete a contract?

\_\_\_\_\_ Yes \_\_\_\_\_ No

B. Are there any judgments, claims or suits pending or outstanding against you?

\_\_\_\_\_ Yes \_\_\_\_\_ No

If answer to either question is Yes, submit details on a separate sheet.

C. List all claims that have been filed by or against your firm due to construction contracts in the last five years, including arbitration:

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

10. Financial Statement:

Current Assets	\$ _____	
Fixed Assets (Depreciated)	\$ _____	
Other Assets	\$ _____	
Total Assets		\$ _____
Current Liabilities:	\$ _____	
Long Term Liabilities	\$ _____	
Total Liabilities		\$ _____
Net Worth		\$ _____

Date of Latest Balance Sheet: \_\_\_\_\_

Accounting Firm: \_\_\_\_\_  
 (Lake County reserves the right to request a copy of financial statement.)

11. Major Contracts Completed During Last Five Years:

<u>Year</u>	<u>Name of Project</u>	<u>Architect/Engineer</u>	<u>Contract Amount</u>

12. Average Annual Billing for Last Five Years: \$ \_\_\_\_\_

13. Total Work in Progress and Under Contract: \$ \_\_\_\_\_

14. List All Major Work Under Contract:

<u>% Completed</u>	<u>Name of Project</u>	<u>Architect/Engineer</u>	<u>Contract Amount</u>
10/24/12	B - 13 REVISED PER ADDENDUM #1	LAKECOD-PW2010.048	

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15. List the name and construction experience of the proposed superintendent(s) for this project:

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The undersigned hereby certifies that answers to the foregoing questions and all statements therein contained are true and correct. Surety, bank, subcontractor, supplier, or any other persons, firms or corporations with whom we have done business, or who have extended any credit to us are hereby authorized to furnish you with any information you may request concerning our organization including, but not limited to, information concerning performance on previous work or credit standing with any of them. We hereby release any and all such parties from any legal responsibility whatsoever of having furnished such information to you.

Name of Organization: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

# SPECIFICATION

## DUPLEX PREFABRICATED STEEL LIFT STATION WITH VALVE VAULT

Maple Avenue Lift Station

Date: 10/22/12

### WET WELL AND VALVE VAULT

The fabricated steel basin shall have an inside diameter of 6 feet and an inside height as shown on the plans. Basin walls, top and bottom shall be of 3/8" structural steel plate. Bottom of basin shall be reinforced with I beams. Beams shall extend 1 foot beyond basin for anchoring to concrete base. Lifting lugs shall be provided on the outside for handling. The access frame and hinged covers shall be fastened to basin top. Basin shall be sandblasted inside and outside to remove scale, weld, slag, rust, etc., before painting. Basin shall be coated inside and outside with two coats of tar base epoxy paint. Pump mounting plates shall be bolted to basin bottom plate. Discharge piping from pump bases shall be mounted in basin and extended through basin wall for attaching to piping in valve vault. Both the wet well and valve vault shall be coated inside and outside with a "polyurea" coating. The coating shall be a minimum of 12-14 mils thick on inside and out of both wet well and valve vault.

### CONTROL EQUIPMENT

#### Impressed Current Anode System:

The lift station shall be cathodically protected by means of an impressed current anode system. The system shall consist of (2) High Silicon Cast Iron Anodes and a structure guard. The structure guard shall be built with solid-state circuitry to automatically adjust the applied anode voltage, providing cathodic protection regardless of soil resistivity. The system shall utilize two cast iron high silicone anodes.

A separate silicone rectifier module shall be provided for each anode and each module shall feed a constant current of 100 milliamps to the anode it serves.

An indicator light shall allow for check of anode operation. The system shall operate on 120 volt, ac, 60 hertz power with less than 1 amp draw. The system shall be protected by a Type 3 ag fuse, which shall have a light that glows if the fuse is blown. The system shall offer a life expectancy in excess of 50 years.

**BIDDER SIGN-IN**  
**PRE-BID MEETING – DIAMOND LAKE LIFT STATIONS**  
 October 18, 2012

**PLEASE PRINT!**

NAME	COMPANY	PHONE	E-MAIL
Mike Leeder	MEXADE	224-444-2004	ml@mexade100.com
Phil Kelsor	NPC	515-347-5611	PKelsor@NPCRENTS.COM
Tony Houdysnell	Rain For Rent	920-605-0000	thoudysnell@rainforrent.com
Andrew Selck	SJ Henderson	847-244-3222	AndrewS@SJHenderson.com
STEVEN G. D'ALBEC	Boller Construction	cell 447-409,500 417 662-5566	SteveD@BollerConstruction.com
Blake Stevens	Efficiency Shoring & Supply	815 520-9499	bstevens@efficiencyproduction.com
JEFF FEIVAR	Piefer Electric	414 462-7700	JEFF.FEIVAR@PIEFERPOWER.COM
BILL GRIFFIN	PIRTANO COLIST	630 932-1810	BILL.GRIFFIN@PIRTANO.COM
Anthony Johnson	Sheridan Plumbing	847-875-0549	ajohnson@spands.com

**BIDDER SIGN-IN**  
**PRE-BID MEETING – DIAMOND LAKE LIFT STATIONS**  
 October 18, 2012

**PLEASE PRINT!**

NAME	COMPANY	PHONE	E-MAIL
Bob Gatto	R.A. Mancini	815 788-0700	bob@ramancini.com
DOUG ABBEY	BOLDER CONSTRUCTUS	847 236 0785	doug-abbey@y4t.com
BOB HUMMEL	A.E. Hummel Const Co	947 487 1300	Robhummel@aol.com
Bill Chastmore	JOEL KENNEDY CONSTRUCTION	847 560-8080	JACK CHASTMORE @ SEC GROUP LLC
RON COTTER	RED HOUSE FIRE SPECTRASHIELD	608 219-7969	RCOTTER@redhousefire .NET
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