

Date: February 7th, 2024

Oswegoland Park District
313 E. Washington St.
Oswego, IL 60543

To: Prospective Bidders

Subject: Addendum No. 1 For:

Civic Center Boiler Replacement

This addendum is to be added to and become part of the bidding and contract documents dated February 1st, 2024 for the above identified project. Items in this addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified or otherwise addressed in the addendum.

The bidding and contract documents are hereby amended as specified in this ADDENDUM NO. 1. Physical insertion of this addendum into the sections is not required.

Receipt of this ADDENDUM NO. 1 shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

It is the responsibility of the bidder to notify the sub-bidders of this addendum which may affect their work.

This addendum consists of 1 page.

Addition to the Project Specifications and Project Cost Options:

- Please include a cost to replace the existing water treatment tank
- Please include a cost to re-insulate pipe around valves that have been replaced
- Please include a cost to replace the three aerators on the water line

These costs should appear as options in addition to the boiler replacement.

Removal of Price Cost Option:

- Please disregard cost option “B”, the “Cost to replace a single unit with two like units for redundancy”

Change to the Anticipated Schedule:

- Please note the anticipated install date has been changed from March 15th, 2024 to the week of March 25th to March 29th, 2024. The new boiler is expected to be in place and running starting Tuesday, April 3rd, 2024.



REQUEST FOR PROPOSAL

Requesting:	Proposals to replace the boiler at Civic Center
Issue Date:	February 1 st , 2024
Proposals Due:	February 13 th , 2024

The Oswegoland Park District will be accepting sealed bids for the boiler replacement at Civic Center until Tuesday, February 13th, 2024 at 10am local time.

Project Title: Boiler Replacement at Civic Center

The completed bid packet and bid bond must be delivered to the Prairie Point Center, 313 E. Washington St. Oswego, IL 60543 no later than 10am February 13th, 2024. Faxed or emailed responses will not be accepted.

Bidders are advised of the following requirements of this Request for Proposal:

1. Attend pre-bid meeting Wednesday, February 7th, 2024, 10am at Civic Center 5 Ashlawn Ave. Oswego, IL 60543
2. Completed bid packet.
3. Bid bond.
4. Submittal of Professional Insurance Certificate after the official award.

Questions regarding this proposal package must be in writing and emailed directly to pwierciak@oswegolandpd.org prior to February 9th, 2024 at 10:00am local time. Responses will be posted at <https://www.oswegolandparkdistrict.org/get-involved/bids-proposals/> by February 12th, 2024 at 12:00pm local time.

The bidder shall at all times observe and conform to all laws, ordinances, and regulations of the Federal, State, and Village which may in any manner affect the preparation of bids or the performance of the contract.

Phillip Wierciak
Facility Project Supervisor

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PROJECT SPECIFICATIONS

1. Introduction:

The Oswegoland Park District was founded in 1950 and serves the Village of Oswego, as well as parts of Montgomery, Aurora, Plainfield, and all of Boulder Hill. The District's boundaries encompass 38 square miles, and include 8 facilities, 32 neighborhood parks, 3 community parks, 5 community parks and sports fields, 16 natural area parks, and 9 greenways. In total, the district serves over 20,000 households.

2. Project Background:

The Oswegoland Park District's Civic Center is a facility owned by the District located at 5 Ashlawn Dr. in Oswego, IL. It serves as a multi-purpose facility for preschool, dance, fitness, athletics, and other programming. Built in 1969, the building is single-story with a mechanical loft for a total of 13,855sq.ft.

3. Description of Proposed Project:

The District is accepting bids for the replacement of an AO Smith Burkay Genesis model GB-1000 402 boiler that serves as the main heating unit for the entire building. The current unit has been in place since 2005, and while still functioning, has become unreliable.

The current unit has a BTU output rating of 831,600/hr, the District would seek the same level replacement or acceptable substitute capable of heating 13,855sq ft.

Prices shall include the demolition and removal of the existing boiler, bleed all existing water in entire building's heating loop-plus delivery, installation and start-up of the new unit. The installing vendor shall provide the facility maintenance staff a brief maintenance tutorial before the project completion.

4. Specifications:

Ensure that all items to be removed are identified on the demolition schedule and coordinated with the delivery dates of any new equipment to be installed.

Investigate and provide a design that allows the equipment to be removed and new equipment installed in the designated area of the facility considering door, corridor, and ceiling clearances, material handling issues, building structural demolition requirements, and potential disassembly and assemble of equipment components. All building interior and exterior components affected by the removal of the equipment must be restored to their original condition.

5. Heating Load Calculations:

Provide heating load calculations to the Oswegoland Park District that will substantiate the recommended size/capacity of the new heating boiler.

6. Boiler Design Criteria:

Provide a design for the new boiler support frame, if required, and insure its orientation allows access for unit maintenance. This is in reference to the existing frame which allows the current boiler to be elevated over the pool boiler. Please include structural calculations that verify either the existing metal frame or the new structure will support the load of the new boiler. If the existing support frame is used, documentation certifying that the weight of new boiler is equal to or less than the existing equipment will be acceptable in place of structural calculations.

7. Electrical:

All electrical components of the new boiler, controls, and related systems shall be designed to provide the proper temperature levels in the various rooms of the building. Wiring schematics shall be provided that indicate the proper tie-in of the electrical components to the existing or upgraded electrical supply (if required).

8. Piping:

Ensure that all piping, valve supports, and hangers are compatible with the new boiler design. Piping shall be insulated where appropriate and include ID tags, labels, thermometers, gages, isolation valves, etc.

9. Ventilation:

Ensure that the boiler room has the appropriate amount of make-up air circulation, and that requirements for carbon monoxide monitoring are addressed.

10. Anticipated Schedule:

It is the intent to install and start up the new boiler before March 15th, 2024.

- Pre-Bid Meeting – February 7th, 2024
- Request for Proposals Due – February 13th, 2024
- Anticipated install date – On or before March 15th, 2024

11. Project Cost Options:

Please complete Attachment “A” including the following options to the proposal:

- A) Cost to replace single boiler one for one
- B) Cost to replace single unit with two like units for redundancy
- C) Cost to replace boiler and gate valve on heating loop (pictured below)
- D) Cost to replace individual ball valves on heating loop
- E) Cost to replace all ball valves for the entire loop (11 total)

GENERAL CONDITIONS

1. Preparation of Proposals:

All proposals must be signed by an authorized official. Proposals that contain omissions, erasures, alterations, or additions not called for, conditional or alternate bids unless called for, or that contain irregularities of any kind may be rejected.

2. Costs to Prepare Proposals:

The Proposal shall include an overall not-to-exceed cost (detailed cost breakdowns in terms of hours, hourly rates, direct costs, etc.) for each Scope of Work for the Project and the overall total. The vendor must pay the Prevailing Wage Rates for all work per the Illinois Prevailing Wage Act, 820 ILCS 130/1 et seq. All expenses incurred for preparing and submitting the proposal to the Park District shall be paid for by the Proposer.

3. Clarifications:

The Park District reserves the right to make clarifications, corrections, or changes in this RFP at any time prior to the time proposals are opened. All proposers or prospective proposers will be informed of said clarifications, corrections, or changes.

4. Pre-Bid Meeting:

Prospective vendors will be required to attend a pre-bid meeting on Wednesday, February 7th, 2024 at 10am. The meeting will take place on the project site: 5 Ashlawn Dr. Oswego, IL and will serve the purpose for vendors to look at the current mechanical room layout and have questions answered by the District employees most familiar with the equipment.

5. Delivery of Proposals:

Sealed proposals will be received by the District until the hour of 10:00am on February 13th, 2024. Please submit a paper copy of your proposal in a sealed envelope plainly marked with the title of the project and firm's full legal name to Mr. Phillip Wierciak, 313 E. Washington St., Oswego, IL 60543. This must include an overall not-to-exceed cost (detailed cost breakdowns in terms of hours, hourly rates, direct costs, etc.) for each step and the overall total.

6. Bid Bond:

Unless specifically waived, each bid shall be accompanied by a bid security in an amount of ten percent (10%) or such other percentage as stated in the supplementary conditions of the full amount of the bid in the form of a certified or bank cashier's check or bid bond. In a reasonable time after the bid opening, bid deposits of all except the three lowest responsible bidders will be released. The remaining deposits will be released after the successful bidder has entered into the contract and furnished the required insurance and bonds. The bid deposit shall become the property of the District if the successful bidder within fourteen (14) days from awarding the

contract refuses or is unable to comply with the contract requirements, not as a penalty, but as liquidated damages. The bid bond must be included with the sealed bid.

Bids will be publically opened and read at 10AM on Tuesday, February 13, 2024, at the Prairie Point Center.

7. Freedom of Information Act:

All information submitted to the Park District in response to this Request for Proposals shall be deemed a public record and will be subject to disclosure under the Illinois Freedom of Information Act (5 ILCS 140 et seq.) subsequent to the award of the contract. Proposers are advised that Section 7(1)(g) of that Act exempts the following from disclosure:

Trade secrets and commercial or financial information obtained from a person or business where the trade secrets or commercial or financial information are furnished under a claim that they are proprietary, privileged or confidential, and that disclosure of the trade secrets or commercial or financial information would cause competitive harm to the person or business, and only insofar as the claim directly applies to the records requested. Proposers desiring to have portions of their proposals considered exempt are advised to mark these portions accordingly.

8. Withdrawal of Proposals:

No proposal shall be withdrawn for a period of 90 days after the opening of any proposal.

9. Rejection of Proposals:

Proposals that are not prepared in accordance with these Instructions to Proposers may be rejected. If not rejected, the Park District may demand correction of any deficiency and accept the deficiently prepared proposal upon compliance with these Instructions to Proposers.

10. Acceptance of Proposals:

Proposals submitted are offers only and the decision to accept or reject is a function of quality, reliability, capability, reputation, and expertise of the Proposers.

The Park District reserves the right to accept the proposal that is, in its judgment, the best and most favorable to the interests of the Park District and to the public based on the evaluation factors in this RFP; to reject the low price proposal; to accept any item of any proposal; to reject any and all proposals; and to waive irregularities and informalities in any proposal submitted or in the request for proposal process; provided, however, the waiver of any prior defect or informality shall not be considered a waiver of any future or similar defect or informality. Proposers should not rely upon, or anticipate, such waivers in submitting their proposal.

11. Evaluation of Proposals:

The submitted proposals will be reviewed/selected based upon factors in this RFP and including the following:

- 1) Experience on boiler and plumbing installations with references (name, title, address, phone, e-mail & fax numbers) within the last ten years only—with at least one within the last three years.
- 2) Firm Information (size, location, history, resources, etc.).
- 3) Qualifications (resumés) of personnel assigned to work on the project (project team), organizational chart, etc.
- 4) Ability to meet project deadlines (provide schedule with work items/staff hours needed, critical path items, etc.).
- 5) Completeness of project approach (detailed scope of services/tasks, etc.).
- 6) Any additional services/tasks not identified in this RFP that the consultant believes will improve the project, reduce costs and time, etc.

Note: Follow-up discussions may be conducted with several firm(s) to resolve any questions, finalize the scope of work and agreement on final not-to-exceed costs as a means to recommend final selection to the Park Board.

12. Payment Terms:

Net 30 payment terms-Our standard payment terms for the Oswegoland Park District are net 30 days from invoice receipt by accounts payable. No payments will be made for products or service that do not meet agreed upon pricing, quality, or other requirements to be specified in the contract. All invoices must be approved by the appropriate parties prior to payment.

All additions, additional invoices, change orders, and modifications to the original contract must be approved in writing prior to material or services rendered.

13. Piggybacking Clause:

This contract may be used to purchase supplies, equipment or perform any work on facilities or properties under the jurisdiction of the Village of Oswego including, but not limited to, interior and exterior building renovations and repairs, site work, electrical, plumbing, HVAC, concrete, masonry, maintenance of bridges, roofing replacement and/or repairs, streetscape repairs and improvements to Village sites. This Contract may also be used as a joint purchase agreement between the Village, Oswego Community School District 308, Oswegoland Park District, and the Oswego Library District.

14. Appendix:

The following attachments are included below, and must be completed prior to submission:

- Attachment “A” Project Options and Costs
- Attachment “B” Company Contact Information
- Attachment “C” References From Jobs of a Similar Scope
- Attachment “D” Subcontractor List
- Attachment “E” Insurance Requirements
- Attachment “F” Prevailing Wage Affidavit
- Attachment “G” Certificate of Compliance
- Attachment “H” Illinois Human Rights Act on Sexual Harassment
- Attachment “I” Drug Free Workplace Act

To assist the Proposer in preparation of an RFP, the Park District has included the additional resources:

- Facility map where boiler is to be installed.
- Pictures of the boiler and heating loop

Questions:

If you have any questions or need additional information regarding this RFP, contact Phillip Wierciak, Facility Project Supervisor at (331) 688-4920 or pwierciak@oswegolandpd.org; Pertinent inquiries that could impact the response to this RFP will be answered in writing and circulated to all entities who have received a copy of this RFP.

ATTACHMENT “A”-PROJECT COST OPTIONS

Option A: Cost to replace single boiler one for one

Demolition and removal of current boiler. Replacement of current (single) boiler with a single boiler capable of the same output, including frame support adjustments, piping, and duct fittings. Start-up, maintenance tutorial, and complete building heating line bleed and refill:

\$ _____

Option B: Cost to replace single unit with two like units for redundancy

Demolition and removal of current boiler. Replacement of current (single) boiler with a two boiler system capable of the same output as current boiler, sharing the heating load and creating redundancy. This also includes frame support adjustments, piping, and duct fittings. Start-up, maintenance tutorial, and complete building heating line bleed and refill:

\$ _____

Option C: Cost to replace boiler and gate valve on heating loop (pictured below)

\$ _____

Option D: Cost to replace individual ball valves on heating loop

Quantity	Size	Price
_____	_____	\$_____/ea
_____	_____	\$_____/ea
_____	_____	\$_____/ea
_____	_____	\$_____/ea
_____	_____	\$_____/ea

Option E: Cost to replace all ball valves for the entire loop (11 total)

\$ _____

ATTACHMENT “B”-COMPANY CONTACT INFORMATION

Company _____

Address _____

Contact Name (PRINT PLEASE) _____

Contact Signature _____

Title _____ Date _____

Phone _____ Fax _____

Email _____

COMPANY QUESTIONNAIRE

1. What are your office/service hours?

Weekdays _____ Weekends _____

2. Do you have a contact person for evenings/weekends? If so what is the contact information for that person?

3. What is your typical turnaround time for an emergency call out? Explain:

4. Please state any additional fees not included in any of the attachments:

5. Are there any additional services provided within your quote not stated within the proposal?

ATTACHMENT “C”-REFERENCES FROM JOBS OF A SIMILAR SCOPE

Reference No. 1

<hr/>	
<i>Business Name</i>	
<hr/>	
<i>Address</i>	<i>Village, State, Zip Code</i>
<hr/>	
<i>Contact Person</i>	<i>Telephone Number</i>
<hr/>	
<i>Dates of Service</i>	<i>Nature of Work</i>

Reference No. 2

<hr/>	
<i>Business Name</i>	
<hr/>	
<i>Address</i>	<i>Village, State, Zip Code</i>
<hr/>	
<i>Contact Person</i>	<i>Telephone Number</i>
<hr/>	
<i>Dates of Service</i>	<i>Nature of Work</i>

Reference No. 3

<hr/>	
<i>Business Name</i>	
<hr/>	
<i>Address</i>	<i>Village, State, Zip Code</i>
<hr/>	
<i>Contact Person</i>	<i>Telephone Number</i>
<hr/>	
<i>Dates of Service</i>	<i>Nature of Work</i>

ATTACHMENT “D”-SUBCONTRACTOR LIST

1. _____(Name)

_____(Address)

_____(Nature of Work)

_____(Contact Name and Phone)

2. _____(Name)

_____(Address)

_____(Nature of Work)

_____(Contact Name and Phone)

3. _____(Name)

_____(Address)

_____(Nature of Work)

_____(Contact Name and Phone)

ATTACHMENT “E”-INSURANCE REQUIREMENTS

INSURANCE – The contractor and subcontractor shall maintain during the progress of the Work, and if required to return during the warranty period, insurance with the minimum limits and coverages as shown below or, if higher, the requirements set forth in prime contract documents:

- (A) **WORKERS COMPENSATION** meeting the statutory requirements of the State in which the work is to be performed and containing Employers Liability insurance in an amount of \$500,000 for each insured limit. A **waiver of subrogation** in favor of **OSWEGOLAND PARK DISTRICT** shall be provided.
- (B) **COMMERCIAL GENERAL LIABILITY** insurance providing limits of \$1,000,000 each occurrence and \$2,000,000 aggregate (Per Project). The policy must include **OSWEGOLAND PARK DISTRICT** as an additional insured and others if required in a prime contract. Coverage provided for the additional insureds shall be on a primary and noncontributory basis. Coverage must include premises/operations, independent contractors, products/completed operations and contractual liability. Coverage shall be provided on the latest edition of ISO Form CG 0001 or equivalent (General Liability) and ISO Forms CG 2010 07/04 and CG 2037 07/04 or equivalent (Additional Insured). All exclusionary endorsements attached to these forms must be indicated on the certificate of insurance. A waiver of subrogation in favor of **OSWEGOLAND PARK DISTRICT** shall be provided.
- (C) **COMMERCIAL AUTOMOBILE LIABILITY** insurance providing coverage on all owned, non-owned and hired vehicles with limits and endorsements equal to (B) above.
- (D) **COMMERCIAL UMBRELLA LIABILITY** insurance with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate providing excess coverage over (A), (B) and (C) above **including the additional insured and waiver of subrogation requirements (follow form)**.
- (E) A certificate of insurance, on an approved form, must be delivered to **OSWEGOLAND PARK DISTRICT** prior to commencing the work and must state that coverage will not be altered, cancelled or allowed to expire without 30 days **written notice** to **OSWEGOLAND PARK DISTRICT**.
- (F) It is agreed that the contractor and subcontractor shall purchase and maintain property insurance for material and equipment used on the jobsite. It is further agreed that the contractor and subcontractor shall have **no recourse** or rights of subrogation for loss or damage to any such property from **OSWEGOLAND PARK DISTRICT** or any other party to the prime contract.

- (G) **Equivalent insurance coverage must be obtained from each of your subcontractors or suppliers**, if any, before permitting them on any job site. Otherwise, their protection must be included within your insurance policies.
- (H) It is understood and agreed that authorization is hereby granted to **OSWEGOLAND PARK DISTRICT** to withhold payments to the contractor and/or contractor and subcontractor until a properly executed certificate of insurance is delivered.
- (I) Contractor and subcontractor agrees to maintain the above insurance for the benefit of **OSWEGOLAND PARK DISTRICT** and the Owner for a **period of three years** or the expiration of the statute of limitations, whichever is greater.

By: ____

Title: _____

SUBSCRIBED AND SWORN TO

before me this _____ day

of _____, _____.

Notary Public

ATTACHMENT “F”-PREVAILING WAGE AFFIDAVIT

I, _____ on oath hereby state and certify that

President

_____ pursuant to a contract dated _____

Company

with the Oswegoland Park District, an Illinois Municipal Corporation, has complied and will comply with all laws, including those relating to the employment of labor and the payment of the current general prevailing rate of hourly wages for each craft or type of worker or mechanic needed to execute the contract or perform such work, also the current general prevailing rate for legal holiday and overtime work, as ascertained by the Illinois Department of Labor for Will and/or Kendall County, Illinois, and those prevailing rates are paid and shall be paid for each craft of type of worker needed to execute the aforesaid contract or to perform such work.

Signature

Date

Subscribed and sworn to before me

this _____ day of _____, 2024.

Notary Public

ATTACHMENT "G"-CERTIFICATE OF COMPLIANCE

_____, the Contractor under a certain contract
dated _____ with the Oswegoland Park District for _____
_____ hereby certifies that

- a) said Contractor is not barred from bidding on the aforesaid contract as a result of a violation of any applicable provision of the Criminal Code of 1961 (Ill. Rev. Stat.) 1989, Ch. 38, Sec. 33E-2 et.seq. (bid-rigging, bid rotation);
- b) said Contractor certifies that no delinquent taxes are outstanding or otherwise due to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1-1.

Contractors:

By: _____ Date: _____

By: _____ Date: _____

By: _____ Date: _____

SUBSCRIBED AND SWORN TO

before me this _____ day

of _____, _____.

Notary Public

**ATTACHMENT “H”-ILLINOIS CIVIL RIGHTS ACT ON SEXUAL
HARASSMENT**

_____, the Contractor under a certain contract dated _____ with the Oswegoland Park District for _____ hereby certifies that said Contractor shall, as a condition of the aforesaid contract, certify that there is available a written company sexual harassment policy that includes, at a minimum, the following information:

1. the illegality of sexual harassment
2. the definition of sexual harassment under State law
3. a description of sexual harassment using examples
4. the Contractor’s internal complaint policies and procedures including penalties
5. the legal recourse, investigation, and complaint process available through the IL. Dept. of Human Rights and the Human Rights Commission and directions on how to contact both, and
6. protection against retaliation as provided by Section 6-101 of the IL. Human Rights Act.

A copy of this policy shall be provided to the IL. Dept. of Human Rights upon request.

By: _____

Title: _____

SUBSCRIBED AND SWORN TO

before me this _____ day of _____, _____.

Notary Public

ATTACHMENT “I”-DRUG FREE WORKPLACE ACT

_____, the Contractor under a certain contract dated _____ with the Oswegoland Park District for _____ hereby certifies that said Contractor shall, as a condition of the aforesaid contract, provide a drug free workplace by:

A. Publishing a statement:

1. Notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, including cannabis, is prohibited at the contractor’s workplace or work site;
2. Specifying the actions that will be taken against employees for violations of such prohibition.
3. Notifying the employee that, as a condition of employment on such contract, the employee will:
 - a. abide by the terms of the statement; and
 - b. notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than 5 days after such conviction.

B. Establishing a drug free awareness program to inform employees about:

1. the dangers of drug abuse in the workplace;
2. the contractor’s policy of maintaining a drug free workplace;
3. any available drug counseling, rehabilitation, and employee assistance programs; and
4. the penalties that may be imposed upon employees for drug violations.

C. Making it a requirement to give a copy of the statement required by subsection (A) to each employee engaged in the performance of the contract and to post the statement in a prominent place in the workplace.

D. Notifying the Oswegoland Park District within 10 days after receiving notice under part (b) of paragraph (3) of subsection (A) from an employee or otherwise receiving actual notice of such conviction.

- E. Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by an employee who is so convicted as required by paragraph (H) below.
- F. Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicating that a trained referral team is in place.
- G. Making a good faith effort to continue to maintain a drug free workplace throughout implementation of the foregoing.
- H. Employee sanctions and remedies. A contractor shall, within 30 days after receiving notice from an employee of a conviction of a violation of a criminal drug statute occurring in the workplace:
 - 1. Take appropriate personnel action against such employee up to and including termination; or
 - 2. Require the employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state or local health, law enforcement, or other appropriate agency.

By: _____

Title: _____

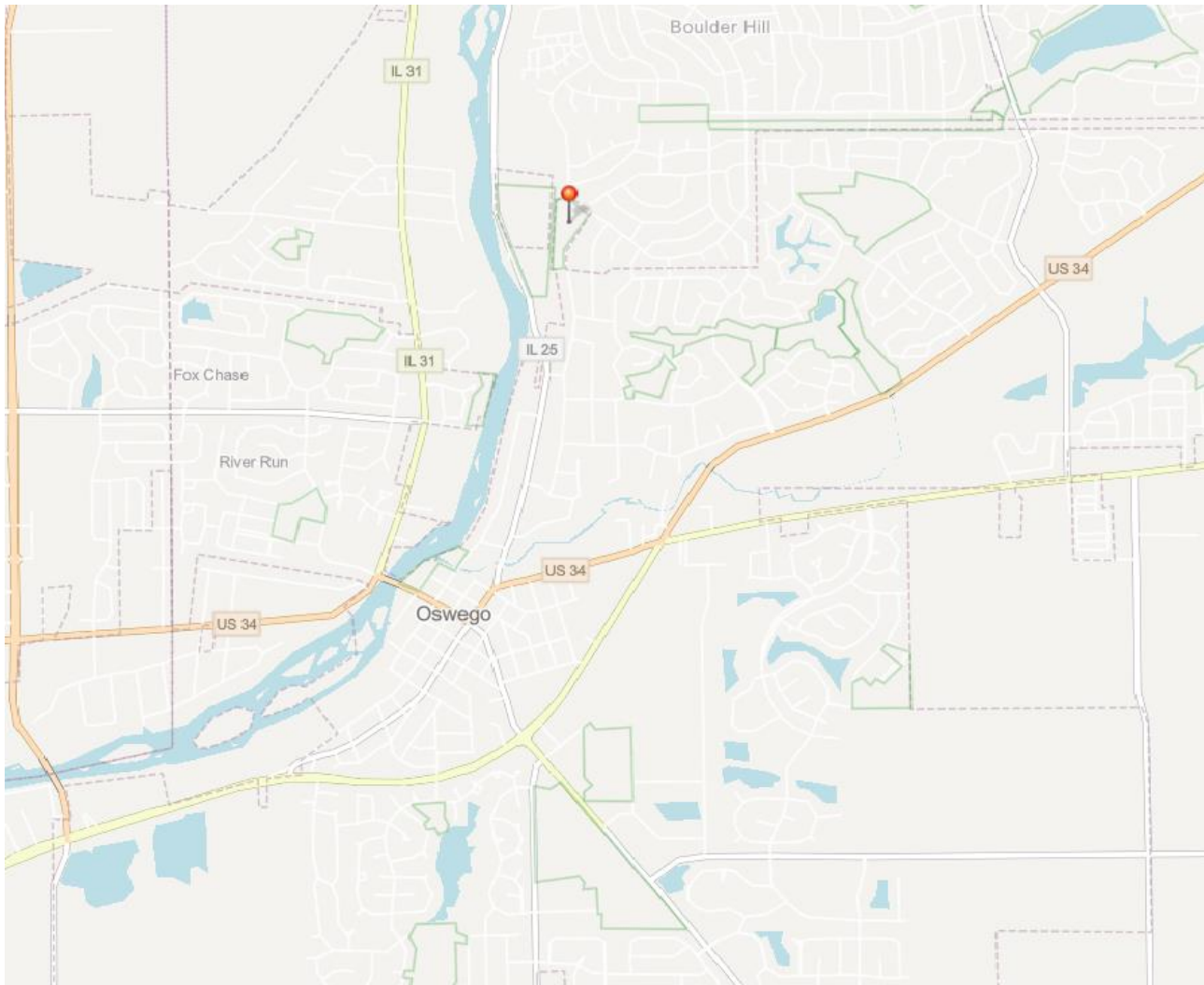
SUBSCRIBED AND SWORN TO

before me this _____ day
of _____, _____.

Notary Public



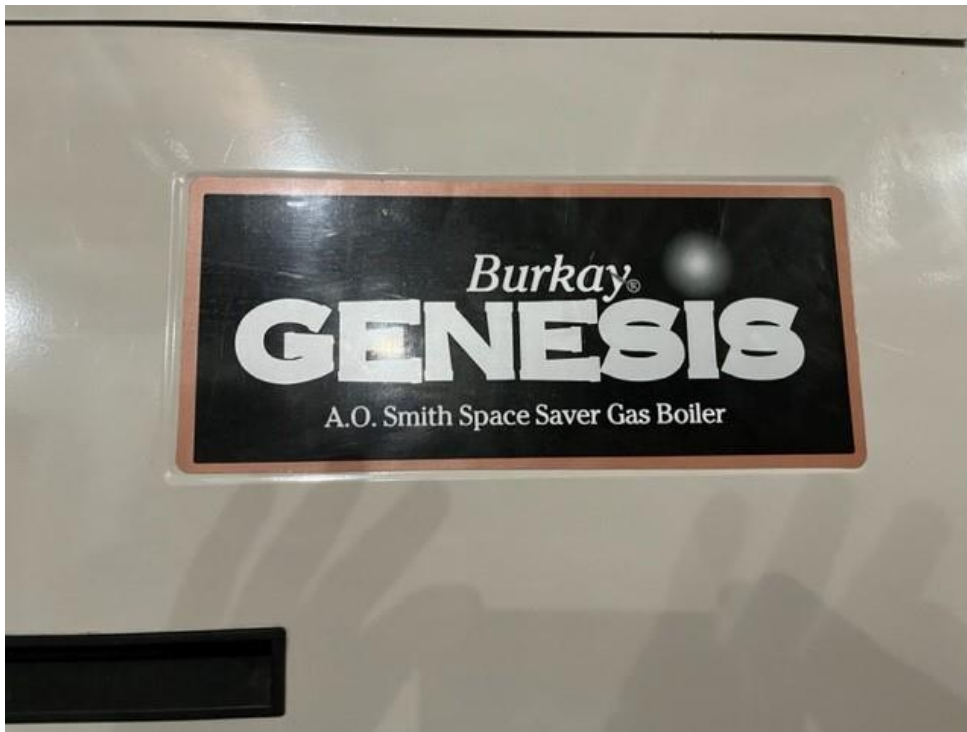
CIVIC CENTER LOCATION MAP



EXISTING BOILER PHOTOS



Existing Boiler (Top)



Brand Label

MINIMUM RELIEF VALVE CAP. Capacité min. de la soupape de sûreté	1100 LBS./HR. lb/h	MANIFOLD PRESSURE Pression du distributeur	3.5 * W.C. Pa	INPUT RATING Cote d'entrée	800,000 BTU/HR kW
MIN. GAS SUPPLY PRESS. For purpose of input adj. Pression min. alimentation en gaz à des fins d'entrée	6.8 * W.C. Pa	ORIFICE SIZE Dimension de l'orifice	3/16 IN. mm	OUTPUT RATING Cote de sortie	800,000 BTU/HR kW
MAXIMUM GAS SUPPLY PRESSURE Pression max. alimentation en gaz	13.8 * W.C. Pa	AMPERES Ampères	20	MINIMUM INPUT Entrée min.	300,000 BTU/HR kW
TYPE OF GAS Type de gaz	NAT	VOLTAGE/Hz Tension /Hz	120/60	ALTITUDE Altitude	0-5000 FEET Meters
CATEGORY Catégorie	1	ANS Z21.13 - CSA 4.9 Low-Press. Boiler. ASHRAE 90.1			
MAX. WORKING PRESSURE Pression max. de service	160 PSI 1103 kPa				

MINIMUM CLEARANCE TO COMBUSTIBLE MATERIAL Déplacement minimal jusqu'à la surface combustible	TOP	VENT	RIGHT SIDE	LEFT SIDE	BACK	FRONT
IN. mm	3 76	3 76	3 76	3 76	3 76	3 76
	Alcove	Alcove	Alcove	Alcove	Alcove	Alcove

A. O. SMITH PART NUMBER
 N° de pièce A.O.S. CB 1888-2416-0000
 MODEL NUMBER CB-1888-1432
 SERIAL NUMBER J 87 18017
 N° de série

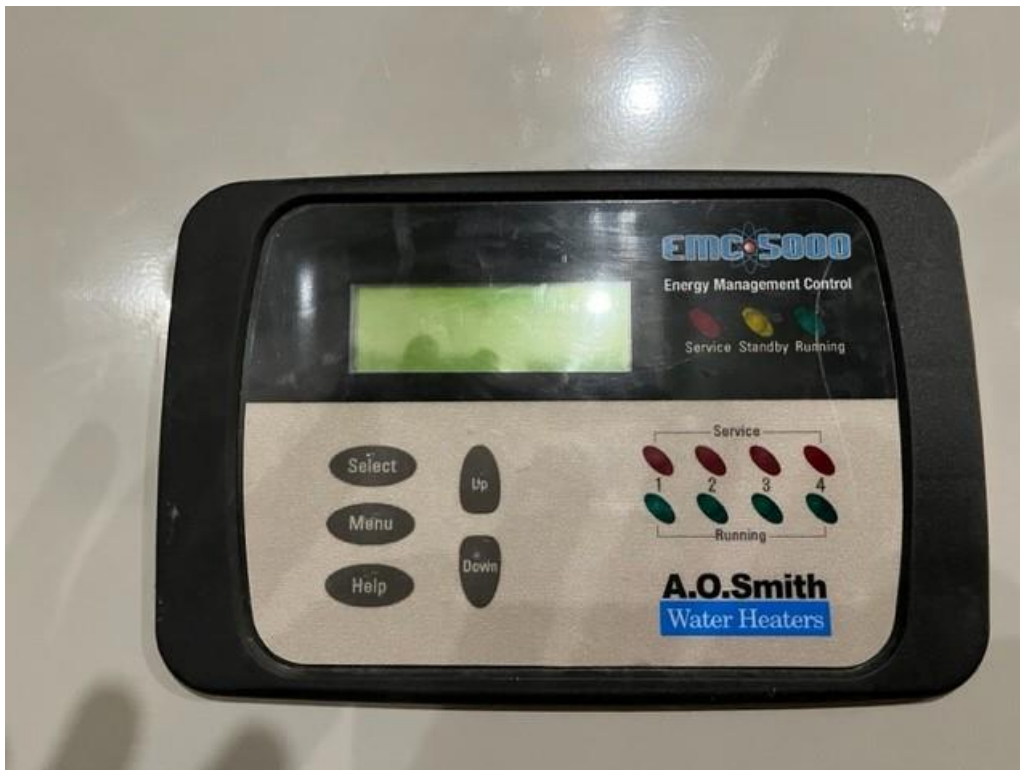
FOR EITHER DIRECT VENT INSTALLATION OR FOR INSTALLATION USING INDOOR COMBUSTION AIR.
 POUR INSTALLATION À VENTILATION DIRECTE OU À AIR DE COMBUSTION INTERNE.

THIS BOILER MUST BE INSTALLED IN ACCORDANCE WITH LOCAL CODES. IF ANY; IF NOT, FOLLOW ANSI Z223.1 OR CAN/CGA B149 INSTALLATION CODE. Cette chaudière doit être installée conformément aux codes locaux; sinon, selon le code d'installation ANSI Z223.1 ou CAN/CGA B149.

FOR INSTALLATION ON COMBUSTIBLE FLOORING ONLY WHEN INSTALLED ON SPECIAL BASE PART NO. Pour une installation sur plancher combustible si seulement installé avec base spéciale, n° de pièce E: 211092-000

A.O. SMITH WATER PRODUCTS COMPANY
 A DIVISION OF A. O. SMITH CORPORATION
 EL PASO, TEXAS • McBEE, SOUTH CAROLINA • SEATTLE, WASHINGTON
 STRATFORD, ONTARIO CANADA • VELDHOVEN, THE NETHERLANDS
 www.hotwater.com
 210486-000 Rev. 08

Boiler Plate



Boiler Control Panel



Boiler Flue



Heat Exchanger



Reducing (Auto-Fill) Valve



18" Gate Valve



Gate Valve



Example of Ball Valve