



City of Appleton

100 North Appleton Street
Appleton, WI 54911-4799
www.appleton.org

Meeting Agenda - Final Utilities Committee

Tuesday, December 13, 2016

5:30 PM

Council Chambers, 6th Floor

1. Call meeting to order

2. Roll call of membership

3. Approval of minutes from previous meeting

[16-1858](#) Approval of the November 15, 2016 Utilities Committee Meeting minutes.

Attachments: [November 15, 2016 Utilities Committee Meeting minutes.pdf](#)

4. **Public Hearings/Appearances**

5. **Action Items**

[16-1914](#) Amend the 2016C contract for Leona Pond Final Design and Permitting contract to Brown & Caldwell in an amount not to exceed \$27,410.

Attachments: [Leona Pond Final Design and Permitting.pdf](#)

[16-1912](#) Award 2017C Northland Pond Construction Related Services Contract to Brown & Caldwell in an amount not to exceed \$77,110.

Attachments: [Brown Caldwell 2017C Northland CRS Contract Util Memo 12-07-2016.pdf](#)

[16-1947](#) Approve contract for the Bar Screen #1 Channel Butterfly Valve Rebuild to August Winter and Sons, Inc. for \$111,250 with a contingency of \$13,750 and a project total not to exceed \$125,000.

Attachments: [Bar Screen #1 Gate Valve Rebuild Project Award Memo.pdf](#)

[16-1859](#) Intergovernmental Cooperation Agreement between the City of Appleton and the City of Neenah for Solicitation of Chemical Quotations.

Attachments: [Intermunicipal Agreement - Appleton and Neenah - Chemical Quote Solicitation](#)

6. **Information Items**

[16-1860](#) 2017 Joint Chemical Consortium Quotation Awards.

Attachments: [2017 Chemical Award Memo to UC.pdf](#)

[16-1861](#) Change Order #2 to the Howard Grote and Sons Softener Coatings Projects for a reduction in contract costs of \$3,545 resulting in a decrease to the project contract from \$497,612 to \$494,067.

Attachments: [Softener Project Change Order 2 Final.pdf](#)

[16-1862](#) Change Order #2 to Caldwell Tank in the amount of \$23,238 for the Glendale Water Tower Project resulting in the construction contract being reduced from \$2,647,000 to \$2,443,762. This item will also be an Information Item at the Finance Committee.

Attachments: [Change Order 2 Glendale Project 11-18-16.pdf](#)

[16-1913](#) Stormwater Utility Credit Policy Update

[16-1863](#) Monthly Reports for October 2016
- Water Distribution and Meter Team Monthly Report

Attachments: [Meter Team Reports October.pdf](#)

7. Adjournment

Notice is hereby given that a quorum of the Common Council may be present during this meeting, although no Council action will be taken.

Reasonable Accommodations for Persons with Disabilities will be made upon Request and if Feasible.

For questions on the agenda, contact Chris Shaw at 920-832-5945 or Paula Vandehey at 920-832-6474.



City of Appleton

100 North Appleton Street
Appleton, WI 54911-4799
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Meeting Minutes Utilities Committee

Tuesday, November 15, 2016

5:30 PM

Council Chambers, 6th Floor

1. Call meeting to order

Chairperson Dannecker called the Utilities Committee meeting to order at 5:30 p.m.

2. Roll call of membership

Present: 4 - Dannecker, Baranowski, Meltzer and Reed

Excused: 1 - Jirschele

[16-1782](#)

Approval of the October 25, 2016 Utilities Committee Meeting minutes.

Baranowski moved, seconded by Reed, that the Minutes be approved. Roll Call. Motion carried by the following vote:

Aye: 4 - Dannecker, Baranowski, Meltzer and Reed

Excused: 1 - Jirschele

4. Public Hearings/Apearances

[16-1791](#)

Nick Sollena to review water consumption billed on quarterly City Service billing dated 7/31/16 for property located at 1835 E. Edgewood Drive, Suite 104.

5. Action Items

[16-1788](#)

Request from Nick Sollena to review water consumption billed on quarterly City Service billing dated 7/31/16 for property located at 1835 E. Edgewood Drive, Suite 104.

Dannecker moved, seconded by Meltzer, that the Report Action Item be recommended for denial. Roll Call. Motion carried by the following vote:

Aye: 3 - Dannecker, Meltzer and Reed

Nay: 1 - Baranowski

Excused: 1 - Jirschele

[16-1783](#)

Authorization to contract with RA Smith National for 2017 Stormwater Management Plan Review without an RFP process in an amount Not to Exceed \$75,000 and to negotiate Stormwater Plan Review Services through 2018.

Baranowski moved, seconded by Meltzer, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 4 - Dannecker, Baranowski, Meltzer and Reed

Excused: 1 - Jirschele

[16-1784](#)

Authorization to contract with RA Smith National for 2017 Wetland Delineation Services without an RFP process in an amount Not to Exceed \$11,000 and to negotiate wetland delineation services through 2018 with RA Smith National.

Baranowski moved, seconded by Reed, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 4 - Dannecker, Baranowski, Meltzer and Reed

Excused: 1 - Jirschele

6. Information Items

[16-1786](#)

Contract Amendment #2 to Strand and Associates for Engineering Services pertaining to the Glendale Water Tower Project in the amount of \$10,780.

Discussed.

[16-1787](#)

Wisconsin Pollution Discharge Elimination System (WPDES) Permit Status for the AWWTP.

Discussed.

[16-1794](#)

Acceptance of the Focus on Energy Grant of \$22,694.94 for the Digester Mixing Project.

Discussed.

7.

Adjournment

Baranowski moved, seconded by Reed, that the Utilities Committee meeting be adjourned at 6:19 p.m. Roll Call. Motion carried by the following vote:

Aye: 4 - Dannecker, Baranowski, Meltzer and Reed

Excused: 1 - Jirschele

Department of Public Works – Engineering Division

MEMO

TO: Utilities Committee

FROM: Paula Vandehey, Director of Public Works
Sue Olson, Staff Engineer
Pete Neuberger, Staff Engineer

DATE: December 7, 2016

RE: Amend the 2016C contract for Leona Pond Final Design and Permitting contract to Brown & Caldwell in an amount not to exceed \$27,410.

The Department of Public Works is requesting an amendment to the Leona Pond Final Design and Permitting contract with Brown & Caldwell in an amount not to exceed \$27,410. If this amendment is approved, the contract amount will increase from \$180,145 to \$207,555. After this contract \$167,170 will remain in the 2016 stormwater consulting services budget.

Attached are drawings of five alternatives for this project. Alternative 1 was the concept selected at the end of Preliminary Engineering in 2014 and was based on a wetland delineation by RA Smith National of just this general area. After meeting with one of the property owners, the pond was rotated to the location shown on Alternative 2. In January 2016, the City contracted with Brown and Caldwell for final design and permitting based on Alternative 2.

The original wetland delineation performed for Alternative 1 did not include the south half of Alternative 2. In June 2016, RA Smith National completed the delineation and two locations of wetlands within the proposed pond area were found. In discussing the project with the Wisconsin Department of Natural Resources, they stated that Alternative 2 could not be permitted due to the wetlands.

Then Brown and Caldwell (under the current contract) and RA Smith National (under the 2016 Wetlands contract) evaluated Alternative 3, which appears to have no wetland impacts, but does not have a complete official delineation. This cannot be completed until spring 2017. Alternative 3 requires additional land (approximately twice that of Alternatives 1 and 2) and the area north of the ditch becomes an unusable remnant for future development. One of the property owners expressed concern about the loss of the additional acreage.

To address those concerns, Brown and Caldwell evaluated Alternative 4, located at the southwest corner of the property along Wisconsin Avenue using the approximate same acreage as Alternatives 1 and 2. Since this evaluation was done after the growing season, the wetlands shown on this drawing are estimated. Although a pond in this location is not impacting wetlands and has similar flood control, it is not as efficient as those on the north side of the property, providing less Total Suspended Solids removal. It also requires installing the outlet pipe in STH 96, which is new concrete pavement, obtaining approval to use sanitary sewer from Grand Chute for future enhanced phosphorus removal technology, and using a more valuable part of the property with frontage on Wisconsin Avenue.

To address the concerns of the property owner regarding the amount of land needed for Alternative 3, staff is proposing Alternative 5. This alternative would be a two pond system, maximizing the unusable

land between the ditch and the railroad and reducing the total amount of land needed from Alternative 3.

The evaluation of alternatives 3 and 4 has used a portion of the 2016 contract intended for Final Design and Permitting. Therefore, the Department of Public Works is requesting this contract amendment for the following scope of work:

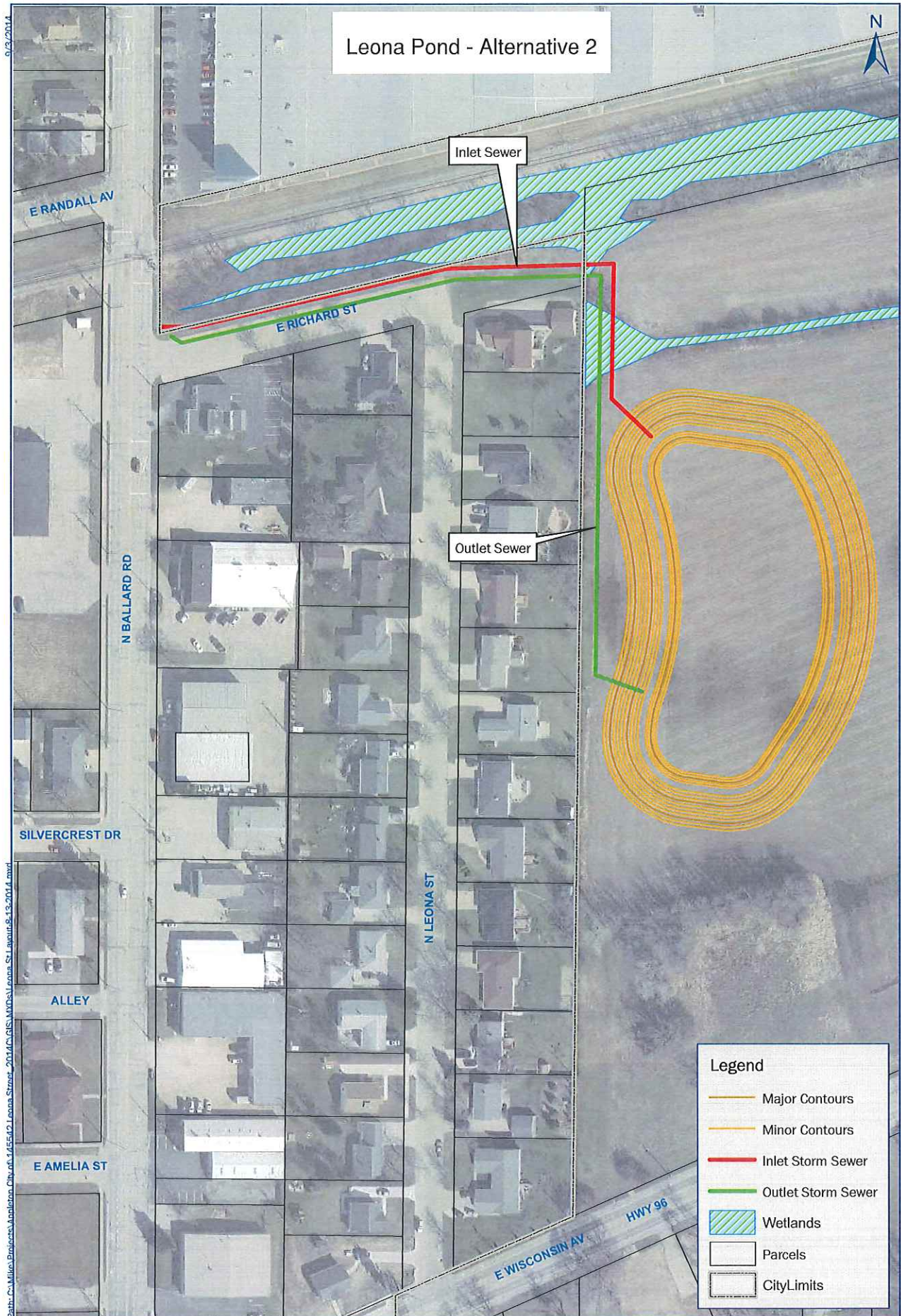
- Evaluate Alternative 5, which uses a two pond system to reduce the amount of land needed. This requires additional modeling for water quality and flood control performance, storm sewer and outlet structure sizing, and water surface elevations.
- If the two pond alternative is selected, prepare the additional construction drawings resulting from this configuration. The two pond system will require two plan views, two cross sections, additional structure details, additional pipe plans between the ponds, etc.
- Attend one additional meeting.
- Perform conceptual design of Coagulant Treatment System for Enhanced Phosphorus Treatment with the two pond system to be potentially installed in the future.
- Assist with discussions with the Railroad for necessary permits.
- Assist City staff with a second Agricultural Impact Statement required for property acquisition based on the selected alternative.

Although the Leona Pond is currently programmed for construction in 2019, there is significant lead time needed for wetland determinations, permitting, land acquisitions and grant applications. Therefore, the Department of Public Works is requesting an amendment to the Leona Pond Final Design and Permitting contract with Brown & Caldwell in an amount not to exceed \$27,410.



9/3/2014

Leona Pond - Alternative 2



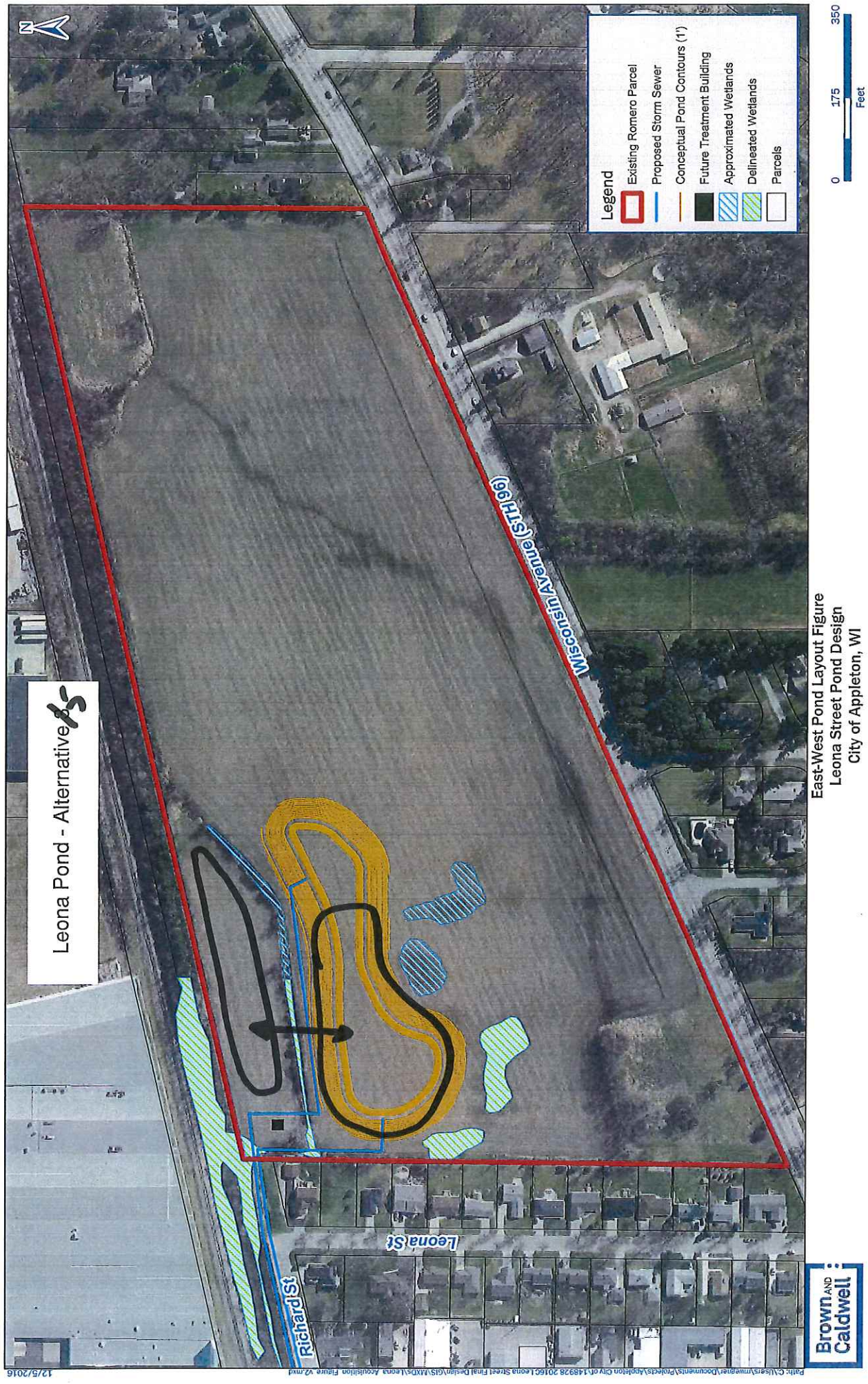
Path: C:\Miles\Engineers\Appleton\City of Appleton\GIS\MapDocs\Leona Pond\Leona Pond_S1 Layout 8-13-2014.mxd



Leona Pond - Alternative 4

Southwest Pond Layout
Leona Street Pond Design
City of Appleton, WI





Leona Pond - Alternative 1

East-West Pond Layout Figure
 Leona Street Pond Design
 City of Appleton, WI

Department of Public Works – Engineering Division

MEMO

TO: Utilities Committee

FROM: Paula Vandehey, Director of Public Works
Pete Neuberger, Staff Engineer

DATE: December 7, 2016

RE: Award 2017C Northland Pond Construction Related Services Contract to Brown & Caldwell, in an amount not to exceed \$77,110.

The Department of Public Works staff recommends award of the referenced contract using a single-source quote from the pond's design engineer, Brown & Caldwell, in an amount not to exceed \$77,110. Project scope is as follows:

Brown & Caldwell will provide the following services, on an as-needed basis, during bidding and construction of Northland Pond in 2017:

- Assist the City in answering design questions from prospective bidders during bidding, and prepare contract addenda as may be needed.
- Review bids and provide award recommendation.
- Assist the City in answering design questions from contractor during construction.
- Respond to questions from City staff during construction regarding pump station electrical and instrumentation.
- Assist the City in answering design questions from regulatory agency personnel during construction.
- Assist the City in considering and developing potential change orders.
- Review contractor submittals.
- Develop pump station "as built" drawings.
- Assist the City in processing potential pump station warranty claims.
- Update the XP-SWMM model and WinSLAMM model for pond and storm sewer, based on as-built information.
- Calculate as-built earthwork quantities for payment using City survey data.
- Prepare a pump station construction binder for Utilities Department that includes a log of approved contractor/supplier submittals, inspection reports, and project photos.
- Prepare and Operation and Maintenance (O&M) Manual for operation of pump station to be used by City maintenance personnel.

This request is consistent with the consultant construction services item in the DPW Stormwater Utility budget.

Therefore, the Department of Public Works requests that the Utilities Committee approve award of the 2017C Northland Pond Construction Related Services Contract to Brown & Caldwell, in an amount not to exceed \$77,110.



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Department of Utilities
Wastewater Treatment Plant
2006 East Newberry Street
Appleton, Wisconsin 54915 – 2758
920 – 832 – 5945 tel.
920 – 832 – 5949 fax

To: Chairman Greg Dannecker and Members of the Utilities Committee

From: Chris Stempa, Utilities Deputy Director

cc: Chris Shaw, Utilities Director

Date: December 1, 2016

Re: *Approve contract for the Bar Screen #1 Channel Butterfly Valve Rebuild to August Winter and Sons, Inc. for \$111,250 with a contingency of \$13,750 and a project total not to exceed \$125,000*

BACKGROUND:

The City of Appleton Wastewater Treatment Plant (AWWTP) utilizes screening equipment used to remove large debris and materials from the incoming raw sewage. In 2015 two new bar screens were installed in place of two that had surpassed their useful life. The equipment replacement also served to improve the hydraulic capacity and screening capabilities of the AWWTP. It was discovered during the course of this project that the existing Pratt butterfly valves (four total) which control flow through Bar Screen #1 would require rehabilitation.

The objective of the Request for Quotation (RFQ) is to obtain necessary services that will extend the life of the original bar screen project by rehabilitating the deteriorated butterfly valves. This contract is to provide all labor, materials, equipment, and incidentals necessary to meet the following project objectives:

- Installation/removal of temporary bulkheads
- Removal of existing gate valves for off-site rebuilding
- Reinstall and commission valves and reset limit switches

Rebuilding the existing Pratt valves is believed to be the least cost option versus replacing the valves in-kind with new units. The existing valves if purchased new are approximately \$65,000 each installed (\$260,000 total). Rebuilding the valves directly through original equipment manufacturer (OEM) Pratt using genuine OEM parts and materials was estimated to be less than half this cost (\$32,000 each). Utilizing a reputable contractor to remove, rebuild using OEM parts, recoat, and reinstall these units was anticipated to be the most advantageous course of action from cost and asset life perspective.

RFQ PROCESS:

The request for quotations was distributed to five mechanical contracting firms. A voluntary pre-quotation meeting was to orientate the firms to the project location, overview project scope, and answer questions. The following table identifies the firms along with their quotation pricing:

Company	Quote Pricing
August Winter & Sons	\$111,250
Coenen Mechanical	\$228,150
Piping Service	\$191,000
J.F. Ahern Co.	DNQ
Lee's Contracting and Fabrication Inc.	DNQ

DNQ: Did not quote.

RECOMMENDATION:

Approve contract for the Bar Screen #1 Channel Butterfly Valve Rebuild to August Winter and Sons, Inc. for \$111,250 with a contingency of \$13,750 and a project total not to exceed \$125,000.

If you have any questions or require additional information regarding this project please contact Chris Stempa at 920-832-5945.

**INTERGOVERNMENTAL COOPERATION AGREEMENT
UNDER WIS. STATS. SEC. 66.0301
FOR SOLICITATION OF CHEMICAL QUOTATIONS**

This Intergovernmental Cooperation Agreement (“**Agreement**”) is entered into as of the the date appearing at the end of this Agreement (“**Effective Date**”), by and between the CITY OF APPLETON, Outagamie County, Wisconsin (“**Appleton**”) and the CITY OF NEENAH (“**Neenah**”), Winnebago County, Wisconsin, both of which are political subdivisions of the State of Wisconsin and are organized and existing pursuant to the Wisconsin Constitution, and enter into this Agreement under the authority granted in Wis. Stats. § 66.0301 for the purpose of soliciting quotations for the purchase of chemicals used by each city’s respective water utility. Appleton and Neenah, are each sometimes referred to herein as a “**Party**” and collectively as the “**Parties**”.

RECITALS

WHEREAS, the Parties wish to cooperate in the annual solicitation of quotes for the purchase of chemicals; and

WHEREAS, in an effort to reduce operating expenses where possible and thus save rate payers money, it is the intent and goal of the parties to obtain more favorable pricing by jointly soliciting quotes from chemical suppliers; and

WHEREAS, such Agreement may bind the Parties for the length of time herein specified;

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing, the Parties agree as follows:

**ARTICLE I
AGREEMENT TERM AND ADMINISTRATION**

1.1 Agreement Term. The term of this Agreement (the “**Initial Term**”) shall begin on the Effective Date and end on December 31, 2017. Unless terminated by any Party pursuant to Section 3.1 of this Agreement, or modified in writing approved by all Parties hereto, this Agreement will automatically renew for successive one-year terms on the 1st day of January each year thereafter.

1.2 Agreement Administrators. The following individuals are hereby designated as the official Agreement Administrator for the Party identified. These individuals shall be authorized to make decisions regarding the solicitation of quotes and may accept service of any official notice required under this Agreement or any amendment, addendum, or exhibit thereto.

Water Treatment Manager, City of Neenah
Director of Utilities, City of Appleton.

Any Party may replace an Agreement Administrator upon written notice to the other.

ARTICLE II SOLICITATION OF QUOTES

2.1 Preparation of Request for Quotes. Appleton shall prepare the annual request for quotes subject to input, review and approval by Neenah prior to the same being published or made available to vendors in any other fashion.

2.2 Limited Scope. The Parties agree the scope of this Agreement shall be limited to the solicitation of quotes. Subsequent to receiving submitted quotes, each party shall have independent authority regarding its individual chemical purchases. Neither party may obligate the other. Additionally, neither party shall be obligated to the other regarding purchasing decisions, purchase contracts or any other obligations of the other Party's purchases subsequent to the submission of vendor's quotes.

ARTICLE III TERMINATION OF AGREEMENT

3.1 Termination by Either Party. Either party may terminate this agreement by notifying the other party in writing of its intent to terminate the Agreement. The notice of termination must be provided to the other party prior to the first day of July.

ARTICLE IV STATEMENT OF COMMITMENT; DISPUTE RESOLUTION

4.1 The Parties acknowledge and agree that they shall endeavor to resolve any and all issues that may arise under this Agreement in good faith and in a spirit of cooperation consistent with the intent of this Agreement.

4.2 In case any dispute regarding the validity, operation, enforcement, breach, or interpretation of this Agreement may arise which cannot be resolved by mutual consent of the Parties, then the Parties shall, in good faith, attempt to mediate any dispute arising out of or in connection with this Agreement with a mediator selected by and agreed upon by the Parties.

ARTICLE V MISCELLANEOUS

5.1 No Assignment. No Party to this Agreement may assign its interest in this Agreement to any other entity or individual.

5.2 Entire Agreement; Rules of Construction. The Parties acknowledge and agree that this Agreement, including the recitals which are incorporated into and made a part of this Agreement, expresses the entire agreement between the Parties as to the subject matter of this Agreement, and that this Agreement replaces and supersedes any prior negotiations and

agreements, written or oral. The Parties further acknowledge and agree that each Party has been adequately and fully represented in connection with the negotiation and execution of this Agreement, and that, accordingly, rules of interpretation that signify that an agreement shall be construed against the drafter shall not apply.

5.3 Captions. The captions or headings in this Agreement are for convenience and in no way define, limit, or describe the scope or intent of the provisions of this Agreement

5.4 Governing Law. The laws of the State of Wisconsin shall govern the interpretation and enforcement of this Agreement. Venue over any action brought under this Agreement will lie in the Circuit Court for Outagamie County.

5.5 Counterparts. This Agreement may be signed in any number of counterparts with the same effect as if the signatures were on the same instrument.

5.6 No Third-party Beneficiaries. This Agreement is entered into for the sole and exclusive benefit of the Parties. No third party (including, without limitation, any employees of the Parties) shall have, obtain, or derive from this Agreement any rights or other benefits or interests, under law, in equity, or otherwise.

5.7 No Joint Venture. Nothing contained in this Agreement shall be deemed or construed as creating a partnership or joint venture between the Parties.

5.8 Exculpatory Provision. The Parties expressly acknowledge and agree that, anything herein to the contrary notwithstanding, that no officer, director, employee, agent, or official (elected or appointed) of any Party shall have any personal liability or obligation arising out of this Agreement, and no Party shall make any claim to the contrary.

5.9 No Waiver. No failure to exercise, and no delay in exercising, any right, power, or remedy under this Agreement on the part of any Party shall operate as a waiver of such right, power, or remedy, nor shall any single or partial exercise of any right, power, or remedy preclude any other or further exercise thereof or the exercise of any other right, power, or remedy. No express waiver shall affect any event or default other than the event or default specified in such waiver, and any such waiver, to be effective, must be in writing and shall be operative only for the time and to the extent expressly provided therein. A waiver of any covenant, term, or condition contained in this Agreement shall not be construed as a waiver of any, subsequent breach of the same covenant, term, or condition.

5.10 Severability. The terms of this Agreement are severable and any determination by any court or agency having jurisdiction over the subject matter of this Agreement that results in the invalidity of any part shall not affect the remainder of the Agreement.

5.11 Indemnification. Each Party retains for itself all legal responsibility for any injuries, claims, or losses arising from or caused by the acts or omissions of its agents or employees acting within the scope of their employment. Nothing in this Agreement shall be

construed as an assumption or indemnification by one Party of any legal liability of the other Party. The obligations of the Parties under this provision shall be subject to the limitations set forth in Wis. Stat. § 893.80 and Wis. Stat. § 895.46, and shall survive the expiration or termination of this Agreement.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the _____ day of November, 2016.

CITY OF APPLETON

Witness: _____
Printed Name: _____

By: _____
Timothy M. Hanna, Mayor

Witness: _____
Printed Name: _____

By: _____
Kami Lynch, City Clerk

Provision has been made to pay the liability that will accrue under this contract.

Approved as to form:

Anthony D. Saucerman, Finance Director

James P. Walsh, City Attorney

CITY OF NEENAH

Witness: _____
Printed Name: _____

By: _____
Dean R. Kaufert, Mayor

Witness: _____
Printed Name: _____

By: _____
Patty A. Sturn, City Clerk

Provision has been made to pay the liability that will accrue under this contract.

Approved as to form:

Michael Easker, Finance Director

James Godlewski, City Attorney

J:\Attorney\WORD\CRB\Water\Intermunicipal Agreement - Appleton and Neenah - Chemical Quote Solicitation.doc



"...meeting community needs...enhancing quality of life."

Department of Utilities
Water Treatment Facility
2281 Manitowoc Road
Menasha, Wisconsin 54952 – 8924
920 – 997 – 4200 tel.
920 – 997 – 3240 fax

TO: Chris Shaw, Utilities Director
FROM: Kristy Veldman, Admin Support Specialist
DATE: December 13, 2016
RE: 2017 Joint Chemical Consortium Quotation Awards

The process for 2017 chemicals used amongst the Appleton Water Facility (AWTF), the Appleton Wastewater Treatment Plant (AWWTP), and the Neenah Water Utility (NWU) treatment chemicals was completed in November. A joint chemical consortium RFQ process was completed in an effort to achieve more competitive quotes. Below are the recommended chemical quote awards. The low quoters have been notified to provide product starting January 1, 2017.

2017 Joint Chemical Consortium Quotation Awards

Chemical	Company	2017 Cost Per LB	2016 Cost @ AWTF	2016 Cost @ AWWTP	2016 Cost @ NWU
Aqua Ammonia	Milport	\$0.2755	\$0.35	NA	\$0.2683
Carbon Dioxide	Airgas USA LLC	\$0.048	\$0.045	NA	\$0.0525
Citric Acid		NA	NA	NA	NA
Ferric Chloride	Kemira Water	\$0.093	NA	\$0.088	NA
Ferric Sulfate	Kemira Water	\$0.086	\$0.0805	NA	\$0.1113
Fluoride (Hydrofluorsilic Acid)	Solvay America	\$0.245	\$0.241	NA	\$0.2695
Lime (Calcium Oxide)	Graymont Lime	\$0.0750	\$0.0745	NA	\$0.076
Muriatic Acid	Milport	\$1.50 AWTF \$0.25 AWWTP	\$1.84	\$0.2674	NA
Polyphosphate	Hawkins	\$0.4218	\$0.4486	NA	\$0.4486
Potassium Permanganate	Hawkins	\$2.9548	\$2.9548	NA	NA
Powder Activated Carbon	Jacobi	\$0.56	\$0.56	NA	\$0.8105
Sodium Bisulfite	Hydrite Chem	\$0.093	NA	\$0.15	NA
Sodium Hydroxide		NA	NA	NA	NA
Sodium Hypochlorite	Olin Chlor Alk	\$0.0825	\$0.0848	\$0.0848	\$0.0729

Quotes were solicited from 61 vendors for 14 treatment chemicals. These chemicals are used by some or all of the three facilities. After quotes were solicited it was determined that two of the chemicals; Sodium Hydroxide and Citric Acid will not be awarded due to the use of the product being discontinued. All quotes were received as price per pound of product as delivered. The term of the quotes is for calendar year 2017.

The process meets the requirements of the City of Appleton Purchasing Policy and successfully provided the lowest costs available for all the chemicals.



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Department of Utilities
Water Treatment Facility
2281 Manitowoc Road
Menasha, WI 54952
920-997-4200 tel.

TO: Chairperson Greg Dannecker and Members of the Utilities Committee

FROM: Utilities Director Chris Shaw

DATE: November 10, 2016

RE: **Change Order #2 to the Howard Grote and Sons Softener Coatings Projects for a reduction in contract costs of \$3,545 resulting in a decrease to the project contract from \$497,612 to \$494,067**

The Appleton Water Utility conducted public bidding and engaged in a contract for the rehabilitation and recoating of #3 and #4 water softeners. The contract was awarded to Howard Grote and Sons from Fond du Lac, Wisconsin.

As part of their work, the contractor was required to media blast painted surfaces inside the tanks, prime and repaint. The media blast and abraded materials needed to be removed as they were accumulated. Prior to the work being performed the City was responsible for taking down the tank so that blasting and painting could occur in a dry environment. Unfortunately, due to hydrostatic conditions with water levels being high on the intermediate concrete wall between tanks, water seeped and wetted the aggregate blast material prior to it being removed. This increased the tonnage of material that needed to be disposed of by 21.46 tons.

Having removed the wetted material the contractor has sought reimbursement from the City. This issue and costs for disposal were reviewed by the project engineer and found to be outside of the contract conditions that the contractor agreed to perform.

Conversely, the project also had identified an allowance for miscellaneous welding which was not used.

The off-setting costs of (\$3,545) have resulted in a deduct to the project in the form of Change Order #2. If you have any questions regarding this project please contact Chris Shaw at 920-832-5945.



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Water Treatment Facility
2281 Manitowoc Rd.
Menasha, WI 54952
920-997-4200 tel.
920-997-3240 fax

TO: Chairperson Kathy Plank and Members of the Finance Committee

CC: Chairperson Greg Dannecker and Members of the Utilities Committee

FROM: Utilities Director Chris Shaw

DATE: Friday, November 18, 2016

RE: *Change Order #2 to Caldwell Tank in the amount of (\$ 23,238) for the Glendale Water Tower Project resulting in the construction contract being reduced from \$2,467,000 to \$2,443,762*

BACKGROUND

The Glendale Water Tower project was borne as a result of a need for the City of Appleton to increase elevated water storage. The need came from the Oneida Street Tower reaching the end of its useful life. The project design is a result of computer modeling and engineering efforts that can be referenced in the Water Utility's Distribution Master Plan.

This project introduces a net of 500,000 gallons of water storage into the city's distribution system. Water storage is necessary for fire flow and to equalize production versus water demand differences. The Glendale Tank is a one million gallon tank.

CHANGE ORDER #2

The Glendale Water Tower construction project is presently nearing completion. Change Order #2 accounts for 8 deducts to the project. One of the deducts was for additional engineering services that were received by the City. These additional services were necessary as the project schedule had been extended due to electrical construction issues. The electrical issues have been resolved and the construction contractor, Caldwell Tank, agreed that the engineering services were a direct result of their activities. Consequently, Caldwell Tank is reimbursing the City for those services through this change order.

SUMMARY

The Glendale Tower Project is currently in the final stages of construction. Currently, the contract price has been reduced from \$2,467,000 to \$2,443,762 as a result of deducts and engineering paid for by the contractor. If you have any questions, regarding this project please contact me at 997-4200.

WATER SUMMARY FOR OCTOBER 2016

Work done by Construction Maintenance				
	<u>Oct 15</u>	<u>Oct 16</u>	<u>YTD 15</u>	<u>YTD 16</u>
Hydrants repaired	6	16	56	34
Hydrants replaced	0	0	6	4
Hydrant leaks	0	0	1	1
Valves replaced	0	0	5	1
Valves tested & inspected	0	14	17	1407
Valves Rebuilt	0	4	9	18
Valve boxes repaired	6	3	142	49
Curb boxes repaired	9	16	398	145
Curb boxes replaced	43	0	184	21
Lead or galvanized replaced	0	1	0	19
New services 1"	0	0	0	0
New services >1"	1	0	4	1
Water main breaks	2	5	53	64
Joint leaks repaired	0	0	1	0
Water quality	1	3	4	5
Service leaks (City side)	0	0	0	1
Work done by Meter Service Team				
	<u>Oct 15</u>	<u>Oct 16</u>	<u>YTD 15</u>	<u>YTD 16</u>
New accounts set with 3/4" or 1"	2	0	91	140
New accounts set with larger meter	0	0	5	2
Meters tested	600	817	5963	8065
Meters failed	20	0	152	390
Meters stalled	0	0	4	0
Service calls	142	192	1202	1156
Final readings	321	283	3395	3273
Read meters - no reading	0	0	0	5
New meters installed	607	878	6192	8436
Exception meters inspected	0	0	0	0
Exception meters removed	0	0	0	0
Service leaks found	1	3	4	28
Cross connection inspections	596	813	5793	7849

**WATER MAIN BREAK/JOINT LEAK REPORT OCTOBER
2016**

LOCATION	Work Order	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	ESTIMATED DOLLAR VALUE OF WATER REVENUE LOSS**
1001 S. East Street	216424	CIP	8"	1965	1/8" crack	4 hours	121,557	\$739.42
2725 S. Greenview Street	216473	CIP	8"	1961	1/8" crack	2 hours	60,779	\$369.71
606 E. Mitchell Avenue	217042	DIP	8"	1978	4" hole	3 hours	486,229	\$2,957.68
825 S. Midpark Drive	217082	CIP	8"	1965	1/8" crack	3 hours	91,168	\$554.56
42 Partridge Court	217119	DIP	8"	1978	4" hole	3 hours	486,229	\$2,957.68
								\$0.00
								\$0.00
								\$0.00
								\$0.00

**Water loss is calculated at the residential rate of \$4.55 per 100 cubic feet.

WATER MAIN BREAK/Joint LEAK DATA LOG OCTOBER 2016

Leak Location	Arterial, Collector, Freeway, Local	Type of Street Concrete/Asphalt	Major Break Minor Break	Catch Basin Draining Yes/No	Date/Time	Comments
1001 S. East Street	Local	Concrete	Minor	Yes 155' away	10/10/2016 12:00 a.m. Monday	Fixed right away due to water loss and property damage.
2725 S. Greenvview Street	Local	Concrete	Minor	Yes 150' away	10/10/2016 4:00 p.m. Monday	Fixed right away due to water loss and potential property damage.
606 E. Mitchell Avenue	Local	Concrete	Major	Yes 100' away	10/24/2016 3:30 a.m. Monday	Fixed right away due to significant water loss and property damage.
825 S. Midpark Drive	Local	Concrete	Minor	Yes 250' away	10/24/2016 5:00 p.m. Monday	Fixed right away using three employees already on duty and called one in to complete the crew.
42 Partridge Court	Local	Concrete	Major	Yes 125' away	10/26/2016 4:30 a.m. Wednesday	Fixed during normal work hours.