

**CAMBRIDGE WATER, SEWER AND STORMWATER COMMITTEE  
AMUNDSON COMMUNITY CENTER  
200 SPRING STREET – COMMUNITY ROOM**

**AGENDA**

**6:30 PM**

**FEBRUARY 15, 2022**

**Due to the increase in COVID 19 cases in Dane County, we are returning to Virtual Meetings. You will be able to join the meeting any time after 6:20p.m. Members of the Water & Sewer Committee and the public may attend by:**

Join Zoom Meeting

<https://zoom.us/j/94547542513?pwd=MUVGT2JDYjh0TnJYLy3WHVsamhaQT09>

Meeting ID: 945 4754 2513

Passcode: 226340

One tap mobile

+16465588656,,94547542513#,,,,\*226340# US (New York)

+13017158592,,94547542513#,,,,\*226340# US (Washington DC)

Dial by your location

+1 646 558 8656 US (New York)

Meeting ID: 945 4754 2513

Passcode: 226340

Find your local number: <https://zoom.us/u/asp95d3Pn>

- 1. Call to Order/Roll Call**
- 2. Proof of Posting**
- 3. Approval of consent agenda**
  - a. Meeting Minutes from 01-18-2022
- 4. Approval of Bills**
- 5. Reports**
  - a. Utility Clerk
  - b. Staff Report
- 6. Old Business:**
  - a. Discussion about Water Maintenance Agreement – Adopted August 23, 2021
  - b. Discussion and Possible Action on – Back-up Generator
  - c. Discussion and Possible Action on – Dancing Goat Wastewater
  - d. Discussion and Possible Action on – SCADA

**7. New Business:**

- a. Discussion and Possible Action on – Village Water Hook-Up at N4368 Park Rd. Mark Holoubel
- b. Discussion and Possible Action on – Purchasing a Back-Up Generator from the US Military Surplus. Information by Steve Struss
- c. Proposed Easement at Wellhouse #2

**8. Public Comment**

**9. Questions, Referrals to Staff or Future Agenda Items**

**10. Adjournment**

- a) Persons needing special accommodations should call 608-423-3712 at least 24 hours prior to the meeting.
- b) More specific information about agenda items may be obtained by calling 608- 423-3712.
- c) A quorum of the Water & Sewer committee will attend this meeting for the purpose of gathering information relevant to their responsibilities as Water & Sewer committee members.
- d) Final Agendas are typically posted by 4 PM on the Friday preceding the regular meeting at the Amundson Community Center, Cambridge Post Office, Hometown Bank and Village of Cambridge Web site at [www.ci.cambridge.wi.us](http://www.ci.cambridge.wi.us)

**CAMBRIDGE WATER, SEWER AND STORMWATER COMMITTEE  
AMUNDSON COMMUNITY CENTER  
200 SPRING STREET – COMMUNITY ROOM  
MINUTES  
6:30 PM  
JANUARY 18, 2022**

*THIS IS AN IN-PERSON MEETING. DUE TO INCREASE CASES OF COVID AND ITS VARIANTS, DANE COUNTY HAS REINSTATED A MASK MANDATE SO MASKS WILL BE REQUIRED AT THE MEETING. THE MEETING ROOM WILL BE SET UP FOR SOCIAL DISTANCING. THANK YOU!*

- 1. Call to Order/Roll Call:** Ted Kumbier called the meeting to order at 6:33pm. Members present: Larry Gunseor, Chuck Franklin, Steve Struss, and Ted Kumbier. Members absent: Blake Sollenberger. Others present: Nick Maas, Mike Reiber, and Sean Dotson from Dancing Goat Distillery. Dan Greve, and Joe DeYoung from MSA. Andy Swalheim, Angela Swalheim, Steve Swalheim, Becky Borchardt, Georgette Asmussen, and Mark McNally Village President. Village Staff: Lisa Moen, and Vicki Redford.
- 2. Proof of Posting:** Agendas were posted in the upper and lower levels of the Amundson Community Center, Hometown Bank, Cambridge Post Office, and the Village Website.
- 3. Approval of consent agenda**
  - a.** Meeting Minutes from 12-21-2021  
*Franklin made a motion to accept the consent agenda as presented. Gunseor seconded the motion. Motion carried on a 4-0 vote.*
- 4. Approval of Bills**  
*Struss made a motion to accept the bills in the amount of \$154,86.54 Franklin seconded the motion. Motion carried on a 4-0 roll call vote.*
- 5. Reports**
  - a.** Utility Clerk: I am busy in the office doing regular duties as well as taking tax payments and dog licenses. There was an error with double bills going out this month. I spoke to ABT Mailcom about this. They said I sent the file twice. I was not aware that happened. I did offer to pay for the extra postage fee but was told that mistakes happen.
  - b.** Director of Public Works: Breunig did not attend due to Covid.
- 6. Old Business:**
  - a.** Discussion and Possible Action Regarding Swalheim (309 E. North St) Prior High-Water Usage-Return Per Committee Request: I went over the memo from the packet with the Committee. The water meter was sent in to be tested and came back faulty. This was after the Water Department told Swalheim the problem was not the meter. The Committee said they wanted to see the usage after the new meter was installed. After 6 months of meter readings with the new meter, the average usage is 1000gallons per month. They decided on a sewer credit.  
*Struss made a motion to give Swalheim a sewer credit in the amount of \$1,067.31. Franklin seconded the motion. Motion carried on a 4-0 roll call vote.*



**b. Update on Water System Maintenance:**

1. Media Replacement Update: Administrator Moen updated the Committee in Director Breunig' s absence. Moen said the Media has been replaced and the system is back online. Also, we have received clean test results from the state. There was question if the color of the water has changed. Franklin said the color is currently blue and a definite improvement.

- c. Discussion and Possible Action Regarding Well #3 Water Treatment Facilities:** Dan Greve told the Committee that the preliminary site plan, floor plan, and exterior elevations for the Water Treatment Building. Preliminary exterior elevations of the renovated #3 Wellhouse. Materials for construction were discussed. There was discussion of brick vaneer with stone cap and accent engineered wood siding instead of split block masonry for the Water Treatment Building. The brick vaneer with stone cap and accent would be easier for long-term maintenance. There was discussion of adding a couple more windows to the new renovation. Greve told the Committee that in-floor radiant heating would be approximately \$17,000 additional cost. The members each decided that it was not necessary to have.
- d. Discussion and Possible Action Regarding SCADA System Replacement:** Greve said MSA suggests the cost of the new SCADA system be incorporated into the Well #3 Project. The total cost of the SCADA will be around \$100,000. There was discussion about using cell phones instead of radios. Radio based telemetry is what MSA recommends. It was discussed that the lifespan of a SCADA system is between 5-10 years. Committee member Franklin asked about tablets being an option as well. Franklin wants to check into the cell phone option further Kumbier recommended that we coordinate our SCADA system with the COWC SCADA.
- e. Discussion and Possible Action Regarding Generator at Well #3:** Greve said MSA gave a preliminary cost for the generator and automatic transfer switch to handle all electrical loads at Well #2. With the recommendation that this work be incorporated into Well #3 project. Adding this to the Well #3 Project would be a considerable savings for the Village. There had been a smaller generator option discussed, but they realized it would have too many limitations.
- f. Discussion and Possible Action Regarding Camera Purchase:** The Committee was told that Director Breunig talked to Dave Magnussen from MSA about televising. We should consider the benefits of contracting the work out. DeYoung said to expect approximately \$1.50 a foot to have the work done for the Village. MSA said the televising could be split up over several years. And I&I study would be done to see where to begin televising.
- g. Discussion and Possible Action Regarding Dancing Goat Effluent Meter:** MSA Report: Greve told the Committee that low flows of wastewater are impossible to meter accurately when flowing by gravity. MSA continued by saying gravity flow can be measured by ultrasonic or radar device to measure the depth of flow upstream of a weir or flume in the sewer pipe. Another option, low flows of wastewater can be measured by a magmeter located in a manhole downstream of a wastewater pump station through which a small diameter pump discharge pipe flow. The cost of one of these options would be around \$75,000. Maas said that the Dancing Goat would not pay for this system. The Dancing goat was asked to provide documentation and their best estimate

of water that does not go down the sewer. We will be looking at figuring out how to give the Dancing Goat a sewer credit.

- h. Update on F650 Truck Purchase: Administrator Moen said that some of the DPW staff likes the new truck, and some don't like the truck. The committee discussed that something smaller may be better. Maas from the Dancing Goat said he would like to look at the truck and see if he may want to buy the F650.

*Struss made a motion to preauthorize up to \$40,000 for a different truck if the DPW found something else that would meet their needs better. The truck will need to have a mechanic inspection done. Kumbier seconded the motion. Motion carried on a 4-0 roll call vote.*

#### **7. New Business:**

- a. Update on Tonka Water Maintenance on Well #2: Table until February meeting.
- b. Discussion and Possible Action Regarding Material Safety Data Sheets for Businesses in the Village/Notification of Cleaning Cycles: Administrator Moen told the Committee that the COWC had questions about the MSDA sheets. Moen said the DPW will have to go around the Village and ask for these sheets from businesses they need the data from.

Mike Reiber from the Dancing Goat said he has put a plan in place with Steve Sainsbury to get all the information needed.

- c. Discussion Regarding COWC Updates as a Recurring Agenda Item: Administrator Moen asked COWC members Kumbier, and Struss to give a monthly update of the COWC meetings at our monthly Water & Sewer meetings. They agreed to give the update each month.

- 8. **Public Comment:** Nick Maas from the Dancing Goat would like to put the Water System Maintenance Agreement on the next agenda.

#### **9. Questions, Referrals to Staff or Future Agenda Items:**

1. Generator
2. Water System Maintenance Agreement
3. Dancing Goat Wastewater Usage
4. SCADA System
5. Tonka Water Quote

#### **10. Adjournment:**

*Struss made a motion to adjourn the meeting. Kumbier seconded the motion. Kumbier adjourned the meeting at 8:32pm.*

*Vicki Redford*

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ALL Checks by Payee

ACCT

HOMETOWN BANK GENERAL OPERATING

Dated From: 2/15/2022 From Account:

Thru: 2/15/2022 Thru Account:

Voucher Nbr	Check Date	Payee	Amount
	2/15/2022	1901 Inc. Mechanical & Plumbing LIFT STAT. BASEMENT FURNACE REPAIR	195.00
	2/15/2022	ABT Mailcom FEBRUARY BILLS	523.26
	2/15/2022	CAMBRIDGE/OAKLAND WASTEWATER COMMISSION JANUARY	57,950.25
	2/15/2022	CARGILL INC KD CRSE SO BULK	4,494.40
	2/15/2022	CGC, INC. WELL#3 GEOTECH	4,390.20
	2/15/2022	DIGGERS HOTLINE INC JANUARY 2022	22.62
	2/15/2022	EMS INDUSTRIAL, INC. LABOR&MATERIALS BAD PRESSURE SWITCH;MFG	825.89
	2/15/2022	FARRAR, LEE STATE LAB MADISON/WATER SAMPLES	17.92
	2/15/2022	G. FOX & SON, INC HYDRANT REPLACEMENT ON SULLIVAN ST.	2,100.00
	2/15/2022	MSA PROFESSIONAL SERVICES D.GOAT H2O QUALITY/DEYOUNG & GREVE	46,572.32
	2/15/2022	NORTHERN LAKE SERVICE, INC COLOR,MANGANESE,SULFATE,TURBIDITY,ZINK	162.12
	2/15/2022	OAKLAND SANITARY DISTRICT FEBRUARY 2022	453.50
	2/15/2022	SJE ELECT SERVICE,LEVEL TRANSDUCER, 4-20MADC	2,519.74
	2/15/2022	STEVE'S CAR AND TRUCK SERVICE INC. F650 INSPECTION 1/11/2022	35.00
	2/15/2022	WISCONSIN STATE LABORATORY OF HYGIENE FLUORIDE/FLDFLUOR	26.00
Grand Total			120,288.22

2/10/2022 3:53 PM

In Progress Checks - Quick Report - ALL

Page: 2

ALL Checks by Payee

ACCT

HOMETOWN BANK GENERAL OPERATING

Dated From: 2/15/2022 From Account:

Thru: 2/15/2022 Thru Account:

	Amount
Total Expenditure from Fund # 500 - WATER UTILITY	58,450.84
Total Expenditure from Fund # 600 - SEWER UTILITY	61,662.96
Total Expenditure from Fund # 800 - STORMWATER UTILITY	174.42
Total Expenditure from all Funds	120,288.22

## Feb 15 2022 Water and Sewer Report

- Water testing and sampling has been performed as required
- Water quality has been relatively consistent and exceeding DNR standards
- Secondary standard testing meeting targets
- Meter reading has been going phenomenally
  
- Well #2
  - -- Seems to all be running properly. Ion Exchange rehab appears to have been successful and we've worked toward dialing in our target hardness and may now have it squared away and consistent
  - -- Still need LW Allen to come back and modify the VFD enclosure to accommodate the new drive
  - -- We now have three heaters functioning properly, two in the main room one in the brine room, the heaters in each chemical room may be in need of expensive service if not replacement due to corrosion, space heater filling in for the meantime
  
- Well #3
  - -- Heater isn't functioning so we've been using a space heater as a stop-gap until warmer weather and eventual construction
  
- Lift Stations
  - -- Lift station #1 was having intermittent issues with the transducer which detects the level in the wetwell, this was replaced by LW Allen
  - In communication with the treatment plant we may need to look into spikes of flow during heavy rain events which would suggest infiltration of rain water into the sanitary system
  
- Curb Stops
  - -- Ongoing issues with how construction has damaged our infrastructure. Last minute requests for water to be turned on only to go to the site and be unable to locate or operate the curb stop. Per the PSC and our own ordinances it is the property owner's responsibility to prevent damage. Our time and materials need to be accounted for. The ROW Permit that was recently passed by the Village Board will help address this issue.



### - Vehicles

- Replacement for the F250 being researched, good contact made, expect to have a delay with procurement due to supply chain etc
- The F650 is parked at the old Ken Olsen property with a For Sale sign in the window

### - Mapping

- MSA presented a new mapping system to public works staff and convinced us that it is an absolute need. A cloud-based system could be accessible by anyone on staff. It would greatly aid in the maintenance of our entire infrastructure from valves to hydrants to curb stops to water and sewer mains to streets to tree inventory and pruning. Everything we do. Staff sees this as joining the current century.
- This system could also have public-use implementation for local information. City of Fitchburg is a great example of this. (<https://www.fitchburgwi.gov/210/City-Map-Gallery>)

### - Televising Sewer Mains

- We're exploring the process involved in contracting this service. Contracting would be a much more efficient solution than attempting anything with our current equipment and staff.
- Documentation of past services performed are limited.

### - Cross Connection Inspections

- These are required to be performed by the DNR. In the past it was expected of the building inspector. With the change in Building Inspectors, these inspections were not performed. Going on from here we may explore contracting this service for a nominal fee per commercial/industrial locations. Additionally going forward we intend to perform this task during meter services and installs. Wisconsin Rural Water Association does put on classes to train on cross connection inspection and that's definitely worth looking into.

This is **EXHIBIT K**, consisting of 2 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated July 21, 2021.

**AMENDMENT TO OWNER-ENGINEER AGREEMENT**  
**Amendment No. 1**

1. *Background Data:*

- a. Effective Date of Owner-Engineer Agreement: July 21, 2021
- b. Owner: Village of Cambridge, Wisconsin
- c. Engineer: MSA Professional Services, Inc.
- d. Project: Well #3 Water Treatment Facilities

2. *Description of Modifications:*

Addition of a standby generator for all electrical loads at Wellhouse #2 in the event of a power outage. The preliminary size for the generator is 150kW. The natural gas driven engine powered generator will be located outdoors in a sound-attenuating enclosure, with wall-mounted automatic transfer switch. The scope of the work shall also include a concrete pad, conduit and wiring for power and control, and SCADA monitoring. This work will be incorporated into the Well #3 Water Treatment Facilities project, with responsibility for construction by the same General Contractor.

Replacement of the Supervisory Control and Data Acquisition (SCADA) system for the Village water system (Wellhouse #2, elevated water storage tank), two wastewater lift stations, and the master computer and wall-mounted panel at the Village Shop. The SCADA computer and software shall be replaced and upgraded to the newest Windows platform, with upgrades to system graphics. SCADA hardware replacement shall include new programmable logic controllers (PLCs) and radios. Panel-mounted display at Wellhouse #2 shall be replaced with a panel-mounted computer, or a second dedicated SCADA computer at Wellhouse #2 or #3, to provide a redundant system in the event of a computer or system failure at the Village Shop. The control panel at the elevated water storage tank shall be relocated to above-grade. This work shall be incorporated into the Well #3 Water Treatment Facilities project, with responsibility for construction by the same General Contractor.

- a. Engineer shall perform or furnish the following Additional Services:
  - i. Provide design and bidding assistance services for the addition of a standby generator at Wellhouse #2, for incorporation into the Well #3 Water Treatment Facilities project.
  - ii. Provide design and bidding assistance services for the replacement of the Supervisory Control and Data Acquisition (SCADA) system for the Village water system and two wastewater lift stations, for incorporation into the Well #3 Water Treatment Facilities project.

b. The Scope of Services currently authorized to be performed by Engineer in accordance with the Agreement and previous amendments, if any, is modified as follows:

- i. Select generator with appropriate capacity to reliably operate the facility.
- ii. Document existing power distribution system – site visit required.
- iii. Incorporate Automatic transfer switch and generator into power distribution system.
- iv. Prepare plans and specifications for generator, transfer switch, etc. for incorporation into Well No.3 Water Treatment Facilities bid set
- v. Document existing SCADA PLC I-O requirements.
- vi. Prepare network drawings indicating scope of SCADA System improvements.
- vii. Prepare installation details showing scope of system integrator / contractor work for SCADA improvements.
- viii. Prepare technical specifications for SCADA system improvements for incorporation into Well No. 3 Water Treatment Facilities bid set.

c. The responsibilities of Owner are modified as follows: no change

d. For the Additional Services or the modifications to services set forth above, Owner shall pay Engineer the following additional or modified compensation:

- i. Standby Generator at Wellhouse #2
  - Design Services \$ 8,000.00 (lump sum)
  - Bidding Assistance Services \$ 500.00 (lump sum)
- ii. SCADA System Replacement
  - Design Services \$ 6,500.00 (lump sum)
  - Bidding Assistance Services \$ 1,000.00 (lump sum)

e. The schedule for rendering services is modified as follows: no change

3. Agreement Summary (Reference only)

a. Original Agreement amount:	\$ 237,500.00
b. Net change for prior amendments:	\$ 0.00
c. This amendment amount:	\$ 16,000.00
d. Adjusted Agreement amount:	\$ 253,500.00




The foregoing Agreement Summary is for reference only and does not alter the terms of the Agreement, including those set forth in Exhibit C.

Owner and Engineer hereby agree to modify the above-referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is February 15, 2022.

OWNER:

ENGINEER:

By: Mark McNally

By: Joseph DeYoung, P.E. 

Title: Village President

Title: Team Leader

Date  
Signed: \_\_\_\_\_

Date  
Signed: 02/03/22