

**CAMBRIDGE WATER, SEWER, AND STORMWATER COMMITTEE
AMUNDSON COMMUNITY CENTER
200 SPRING STREET - COMMUNITY ROOM
NOVEMBER 19, 2024
6:30PM
AGENDA**

- 1. Call to Order/Roll Call**
- 2. Proof of Posting**
- 3. Approval of consent agenda**
 - a. Meeting Minutes from 10-15-2024
- 4. Approval of Bills**
- 5. Reports**
 - a. Utility Clerk
 - b. Staff Report
 - c. COWC Report
- 6. Old Business:** Discussion and Possible Action Regarding
 - a. Dancing Goat Sampling Plan – MSA
 - b. Retention Ponds in the Vineyards – MSA
- 7. New Business:** Discussion and Possible Action Regarding
 - a. Service Line Inventory Notices to Residents – Derek
 - b. Sewer Cleaning/Televising/Future Repair – Derek
- 8. Public Comment**
- 9. Questions, Referrals to Staff or Future Agenda Items**
- 10. Adjournment**

Vicki Redford - Utility Clerk

- 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) Final Agendas are typically posted by 4 PM on the Friday preceding the regular meeting at the Amundson Community Center, Cambridge Post Office, Badger Bank and Village of Cambridge Web site at www.ci.cambridge.wi.us

**CAMBRIDGE WATER, SEWER, AND STORMWATER COMMITTEE
AMUNDSON COMMUNITY CENTER
200 SPRING STREET - COMMUNITY ROOM
OCTOBER 15, 2024
6:30PM
AGENDA**

1. **Call to Order/Roll Call:** Breunig called the meeting to order at 6:30pm. Members present: Paula Hollenbeck, Steve Struss, Ted Kumbier. Breunig. Excused: Larry Gunseor and Kris Breunig. Others present: Lisa Moen, Administrator; Derek Schroedl, Water Operator; Mark McNally, President; Sean Dotson, Dancing Goat; Nicole Rothe; Bill Miller.

2. **Proof of Posting:** Agendas were posted in the upper and lower levels of the Amundson Community Center, Badger Bank, Cambridge Post Office, and the Village Website.

3. **Approval of consent agenda:**
a. Meeting Minutes from 09-17-2024

Kumbier made a motion to accept the consent agenda as presented. Hollenbeck seconded the motion. Motion carried, with Struss abstaining.

4. **Approval of Bills:**

Struss made a motion to approve the bills in the amount of \$117680.75, Kumbier seconded the motion. Motion carried on a 3-0 roll call vote.

5. **Reports:**

- a. **Utility Clerk:** Helping residents prepare to vote. Preparing delinquent utilities to go on the tax roll. That process starts today October 15th.
- b. **Staff Report:** Approval for contingent funding for meter reading and antennae is moving forward. Well #2 had an issue with a bearing in the right-angle drive. Needs to be custom made, expecting it next week. Well #3 chemical usage seems high – chlorine and salt- looking into it. The two wells will alternate in usage, with well #2 running a bit longer as it is smaller capacity. Struss likes the new spread sheets. Can the target ranges be added to the top. Numbers are getting better as well #3 is running more.
- c. **COWC Report:** Test phase for new equipment. Had been down to one basin, are now back to fully operational. Sludge has all been removed. Looking at staffing for the future, succession planning.

6. **New Business:** Discussion and Possible Action Regarding

- a. **Cambridge School District Museum Large Water Bill in September** – Bill Miller: Vicki Redford included a memo in the packet. They had received a bill for 47,000 gallons. Schroedl had replaced the meter, tested the old one and saw no issues. She also provided the credit which would be given if we follow our policy. They were reminded that due to PSC regulations, we cannot give credits on water, only sewer. Struss felt that there had to be an anomaly for this large usage as there are very few toilets and sinks in the facility.

Struss made a motion to give a credit for 40,000 gallons of sewer, seconded by Hollenbeck. Motion carried on a 3-0 vote.

Hollenbeck offered her per diem check in the amount of \$406.34 to go toward the water bill.

7. Old Business: Discussion and Possible Action Regarding

- a. **Rockdale Regionalization – MSA:** MSA had provided an update. They have received plans, which were also submitted to the DNR. MSA will wait to review the plans until he receives word from Rockdale's engineer. They need to apply for eleven different permits and are awaiting word on the funding for the project. We will begin to work with Ehlers and our attorney in drafting an agreement. We also need to check where Rockdale is in our payment agreement.
- b. **Dancing Goat Sampling Plan – MSA:** A redlined version was presented to the Committee. These were Dancing Goats changes made after the last meeting. The Village Board recommended that the Committee review these changes prior to making a final decision. A brief history of the whole process was given for those that were not present throughout. It was also felt that the COWC should weigh in, even though it is an agreement between the Village and Dancing Goat, they will be responsible for doing some of the work and communications. Struss and Kumbier will take it back to COWC. They did explain that the Commission and Steve Sainsbury were involved throughout the process. Attorney Landretti provided information that we still have authority through our ordinances to take additional steps if issues arise.

Struss made a motion to recommend to the Village Board approval of the Agreement with Dancing Goat and to forward a signed copy to the Commission, seconded by Hollenbeck. Motion carried.

8. **Public Comment:** McNally stated that he stopped by Well #3 and Schroedl gave him a tour. He thank him for his work on the well. There is still a lengthy punch list that is being worked on. The Committee would like to make a visit to the well, and the Village Board could be invited as well. The public session will be held the Amundson Center. Ehlers will work on a financial presentation and MSA on the structural side.
9. **Questions, Referrals to Staff or Future Agenda Items:**
Kumbier would like to begin working on the plans for the upgrade of well #2. Discussed that we can wait until after well #3 is fully finished.
Retention ponds: MSA has a draft report. Moen will be meeting with them this week.
10. **Adjournment:** *Struss made a motion to adjourn the meeting. Kumbier seconded the motion. Breunig adjourned the meeting at 7:30 pm.*

Lisa Moen - Administrator

11/14/2024 3:40 PM

In Progress Checks - Full Report - ALL
ALL Checks by Payee
HOMETOWN BANK GENERAL OPERATINGPage: 1
ACCTDated From: 11/19/2024 From Account:
Thru: 11/19/2024 Thru Account:

Voucher Nbr	Check Date	Payee	Amount
11/19/2024 ABT Mailcom			
BILL PROCESSING AND MAILING NOVEMBER			
500-00-53700-681-100	POSTAGE		210.38
	BILL PROCESSING AND MAILING NOVEMBER	50391	
600-00-53700-851-300	POSTAGE EXPENSE		210.38
	BILL PROCESSING AND MAILING NOVEMBER	50391	
800-00-58100-681-100	POSTAGE		210.38
	BILL PROCESSING AND MAILING NOVEMBER	50391	
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11/19/2024 CAMBRIDGE/OAKLAND WASTEWATER COMMISSION			
NOVEMBER BILL			
600-00-53700-824-000	PAYMENTS TO COWC		58,195.42
	NOVEMBER BILL	OCTOBER	
Total			58,195.42
11/19/2024 Core & Main			
TIP-510 S/POINT M2 TC SP HR X2			
500-00-53700-640-000	SUPPLIES AND EXPENSES		484.00
	TIP-510 S/POINT M2 TC SP HR X2	V654076	
500-00-53700-681-300	COMPUTER SUPPORT		3,700.00
	FLEXNET M2 SFTWR SUPPORT	V533688	
Total			4,184.00
11/19/2024 DIGGERS HOTLINE INC			
FOR OCTOBER 2024			
500-00-53700-689-100	DIGGERS HOTLINE EXPENSES		97.51
	FOR OCTOBER 2024	241 0 46201	
Total			97.51
11/19/2024 DIXON ENGINEERING INC			
400,000GALLON SPHEROID SECURITY INSPECT			
500-00-53700-635-000	TOWER REPAIRS & MAINT		1,300.00
	400,000GALLON SPHEROID SECURITY INSPECT	01-1094	
Total			1,300.00
11/19/2024 INDUSTRIAL CHEM LABS & SVCS			
LIFT STATION DEGREASER			
600-00-53700-827-000	OPERATING SUPPLIES & EXPENSES		980.49
	LIFT STATION DEGREASER	402395	

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In Progress Checks - Full Report - ALL

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ALL Checks by Payee

ACCT

HOMETOWN BANK GENERAL OPERATING

Dated From: 11/19/2024 From Account:

Thru: 11/19/2024 Thru Account:

Voucher Nbr	Check Date	Payee	Amount
Total			980.49
11/19/2024 MSA PROFESSIONAL SERVICES			
WELL #3 WATER TREATMENT FACILITIES			
200-00-57915-000-000		WELL #3 PROJECT	2,165.00
		WELL #3 WATER TREATMENT FACILITIES 009847	
200-00-57915-000-000		WELL #3 PROJECT	1,885.00
		SDW APPLICATION & ADMINISTRATION 009909	
500-00-53700-682-300		OUTSIDE SERVICES - ENGINEERING	6,923.75
		Well#2 GENERATOR DESIGN & CRS 009843	
Total			10,973.75
11/19/2024 NAPA AUTO PARTS			
SEWER JETTER REPAIR			
600-00-53700-827-000		OPERATING SUPPLIES & EXPENSES	13.48
		SEWER JETTER REPAIR 763160	
600-00-53700-831-400		SEWER PREVENTATIVE MAINT.	68.77
		KENSETH GENERATOR MAINTENANCE 763016	
600-00-53700-827-000		OPERATING SUPPLIES & EXPENSES	29.76
		SEWER JETTER REPAIR 763122	
800-00-58100-630-000		STORMWATER EQUIP REP/MAINT	16.49
		LEAF VAC 762995	
800-00-58100-630-000		STORMWATER EQUIP REP/MAINT	86.18
		LEAF VAC EQUIPMENT MAINTENANCE 762314	
Total			214.68
11/19/2024 OAKLAND SANITARY DISTRICT			
NOVEMBER BILL			
600-00-53700-822-000		PAYMENTS TO REGIONAL PLANT	453.50
		NOVEMBER BILL OCTOBER	
Total			453.50
11/19/2024 SALTCO LLC			
POUNDS BLK SALT BY WEIGHT/SOLAR SALT			
500-00-53700-630-150		CHEMICALS - SALT	4,051.23
		POUNDS BLK SALT BY WEIGHT/SOLAR SALT 143539	
500-00-53700-630-150		CHEMICALS - SALT	4,103.52
		32,960 LBS SALT BULK SOLAR SALT PREMIUM 144952	
Total			8,154.75

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ALL Checks by Payee
HOMETOWN BANK GENERAL OPERATING

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ACCT

Dated From: 11/19/2024 From Account:
Thru: 11/19/2024 Thru Account:

Voucher Nbr	Check Date	Payee	Amount
	11/19/2024	SJE	
		ELECTRICAL SENIOR SERVICE LABOR	
500-00-53700-650-000		REPAIRS/MAINT TO WATER PLANT	518.20
		ELECTRICAL SENIOR SERVICE LABOR CD99547658	
500-00-53700-650-000		REPAIRS/MAINT TO WATER PLANT	970.00
		MECHANICAL LABOR CD99540873	
		Total	1,488.20
	11/19/2024	WISCONSIN STATE LABORATORY OF HYGIENE	
		FLUORIDE/FLDFLUOR,HALOACETIC ACIDS ETC.	
500-00-53700-640-000		SUPPLIES AND EXPENSES	1,028.00
		FLUORIDE/FLDFLUOR,HALOACETIC ACIDS ETC. 790755 - SAMPLE TESTING	
		Total	1,028.00
		Grand Total	87,701.44

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In Progress Checks - Full Report - ALL
ALL Checks by Payee
HOMETOWN BANK GENERAL OPERATING

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ACCT

Dated From: 11/19/2024 From Account:
Thru: 11/19/2024 Thru Account:

Amount

Total Expenditure from Fund # 200 - CAPITAL PROJECTS FUND	4,050.00
Total Expenditure from Fund # 500 - WATER UTILITY	23,386.59
Total Expenditure from Fund # 600 - SEWER UTILITY	59,951.80
Total Expenditure from Fund # 800 - STORMWATER UTILITY	313.05
Total Expenditure from all Funds	87,701.44

Water Testing - All Locations

Month/Year: _____

	Distribution			Well 2 Entry Point		Well 3 Entry Point		
	Daily	3x / week		2x / week				
	Fluoride	Free Chlorine	Total	Iron	Hardness	Iron	Manganese	Hardness
	0.7	0.2-1.0		<0.05	70-100	<0.05	<0.008	70-100
1	0.57	0.53	0.65					
2	0.60	0.43						
3	0.67	0.43						
4	0.67	0.48	0.65			0.02	0.015	91
5	0.53	0.46	0.61					
6	0.65	0.46	0.62					
7	0.66	0.29	0.37			0.01	0.009	140
8	0.69	0.47						
9	0.54	0.33						
10	0.59	0.37						
11	0.58	0.42	0.60			0.07	0.012	79
12	0.55	0.46	0.65					
13	0.64	0.38	0.51					
14	0.52	0.45	0.57			0.02	0.008	86
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
AVG	0.60	0.43	0.58	#DIV/0!	#DIV/0!	0.03	0.011	99

	Distribution			Well 2 Entry Point		Well 3 Entry Point		
	Daily	3x / week		2x / week				
	Fluoride	Free Chlorine	Total	Iron	Hardness	Iron	Manganese	Hardness
	0.7	0.2-1.0		<0.05	70-100	<0.05	<0.008	70-100
1	0.71							
2	0.58	0.02	0.07			0.02	0.009	94
3	0.56	0.03	0.13					
4	0.52	0.04	0.12			0.03	0.011	85
5	0.68	0.06	0.11					
6	0.65	1.37						
7	0.73	0.66				0.04	0.025	65
8	0.79	0.38	0.44					
9	0.84	0.16	0.27			0.02	0.014	82
10	0.66	0.44	0.56					
11	0.61	0.28	0.38					
12	0.62	0.10						
13	0.55	0.16						
14	0.61	0.23	0.37			0.02	0.001	54
15	0.65	0.37	0.62					
16	0.64	0.33	0.58			0	0.018	77
17	0.69	0.29						
18	0.59	0.60	0.84					
19	0.62	0.68						
20	0.66	0.90						
21	0.63	0.42	0.61			0.01	0.011	97
22	0.69	0.66						
23	0.65					0.02	0.015	80
24	0.71	0.49						
25	0.60	0.87						
26	0.62	0.42						
27	0.53	0.13						
28	0.62	0.43	0.52			0.03	0.010	76
29	0.57	0.74						
30	0.65					0.05	0.007	81
31	0.69	0.69						
AVG	0.64	0.43	0.40	#DIV/0!	#DIV/0!	0.02	#NAME?	79.10
TRGT	0.7	0.2-1.0		<0.05	70-100	<0.05	<0.008	70-100

To: Village of Cambridge
From: MSA Professional Services
Subject: Vineyards Pond Inspections and Maintenance Recommendations
Date: November 11th, 2024

INTRODUCTION

On September 17th, 2024, MSA Professional Services performed visual inspections of four stormwater ponds in the Village of Cambridge, Dane County, WI. The purpose of the inspections was to address Village and resident concerns regarding performance, visual observations, modifications made by the previous developer and sump backup issues. Inspections included visual checks of detention basins, infiltration basins, inlet and outfall structures, bank erosion, berms, erosion control such as rip rap and erosion fabrics, as well as checking pond footprints to construction plans. Observations and recommended maintenance are included in this memo to maintain pond function in the Vineyards Development.

MAPPING

Figure 1 in the attachments of this memo detail the locations of the four inspected ponds and the approximate watershed boundaries of each pond. Figures 2 through 4 overlay construction plans for the ponds over aerial imagery to compare plans to existing conditions.

INSPECTION NOTES

North Vineyards Ponds

As shown in Figure 2, the North Vineyards Ponds consist of two wet detention basins and an infiltration basin located north of Kenseth Way. The following observations were identified as a result of MSA's inspection

North Vineyards Ponds – West:

1. The infiltration basin located adjacent to the west pond has been filled in and is no longer functioning as designed. Rip rap has been installed between the infiltration basin and the detention basin that is not included in the original design.
2. The infiltration basin is lacking bio-retention vegetation called out in design plan.
3. The erosion socks located in the filled-in infiltration basin are insufficient for a permanent solution of directing water to the pond.
4. Excessive vegetation is present throughout the western inlet structure and rip rap.
5. Trash was observed at the southern inlet rip rap.

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6. Large cattails are present within the majority of the wet detention basin and extend into the designed permanent pool, which is indicative of insufficient depth of permanent pool.
7. The permanent pool appears to be smaller than in the design plans.
8. Woody overgrowth is present on the northern edge of the pond.
9. Outlet structures from the pond to the wetland are overgrown.

North Vineyards Ponds - East:

1. The banks of the pond are fully overgrown.
2. Large cattails are present within the majority of the wet detention basin and extended into the designed permanent pool which is indicative of insufficient depth of permanent pool.
3. The SE inlet structures are overgrown with woody vegetation.

South Vineyards Pond

As shown in Figure 3, the South Vineyards Pond consists of a wet detention basin and infiltration area located south of Vineyard Drive. The following observations were identified as a result of MSA's inspection.

1. There are large trees and vegetation on the pond banks and berm separating the infiltration and detention basins.
2. Erosion fabric has been exposed on the dividing berm.
3. The inlet structure is overgrown.
4. There is a small amount of standing water in the infiltration basin.
5. Both the infiltration and detention basins are full of cattails which indicates insufficient depth of the permanent pool; Infiltration basin design plans indicate no vegetation within basin.
6. The pipe to the outlet structure is overgrown.
7. The outlet structure is full of lawn clippings.

North Winery Pond

As shown in Figure 4, the North Winery Pond consists of an infiltration basin located south of the Dancing Goat Distillery. The following observations were identified as a result of MSA's inspection.

1. The banks of the pond are overgrown.
2. A small tree is present on the northern bank of the pond.
3. The outlet structure is overgrown.
4. Cattails are present at the northeast edge of the pond.

South Winery Pond

As shown in Figure 4, the South Winery Pond consists of a wet detention basin located north of vineyards drive and south of the North Winery Pond. The following observations were identified as a result of MSA's inspection.

1. Cattails are filling much of permanent pool, indicating insufficient depth.
2. There is overgrowth and woody vegetation present on the pond's banks.
3. Dense woody vegetation is obstructing the outlet pipe. The standpipe is overgrown with grass.
4. There is woody vegetation along the east edge of the pond obstructing the inlet structures.

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CONCLUSION

The intention of the visual inspections was to identify needed maintenance of the ponds as it relates to pond function. Notwithstanding, sump issues reported by homeowners are likely related to substantial rain events earlier in the year, and proximity to wetlands leading to high groundwater table. Pond maintenance will improve the function of the ponds, but is not intended to address sump discharge issues.

Several observations from the visual inspection of the ponds indicate the ponds may not be functioning as efficiently as designed. The presence of cattails in the detention ponds likely means the water depth may not be at the designed depth for portions of the detention ponds. The standard depth for the permanent pool of a detention pond is five feet. Cattails will grow in water that is up to three or four feet deep. Therefore, the cattails in these ponds indicate the permanent pools may not be at the designed five-foot depth. Additionally, the infiltration basin of the North Vineyards Ponds that has been filled in will no longer function at all, as water has been diverted away from the basin.

Excess vegetation around the banks of the ponds is not the planned design, and several ponds have dense woody vegetation in several places indicating longer term growth. The South Vineyards Pond has large trees growing from its banks, as well as the berm that separates the infiltration and detention basins. Most of the inlet and outlet structures of each pond are also overgrown, with some having dense woody vegetation obstructing the pipes and endwalls.

To begin remedying these issues, MSA recommends the following actions:

1. Clear the inlet and outlet structures of growth and debris for all ponds.
2. Remove vegetation and trees from the banks of all ponds.
3. Cut or remove cattails located in the South Vineyards Pond infiltration basin south of the berm.
4. Infiltration basin for the North Vineyards Ponds – West to be excavated back to design depth and plant appropriate bioretention vegetation.
5. Replenish rock supply to dividing berm in Vineyards South Pond.
6. After maintenance items 1-5 are completed, re-inspect ponds within one year to evaluate effects of maintenance on basins and potential functionality improvements. Additionally, re-inspect for evaluation of condition and expanse of permanent pools.

Sincerely,
MSA Professional Services, Inc.



Bill Pinnow, PE
Principal Engineer



David Hodel
Graduate Engineer

FUTURE MAINTENANCE AND BEST MANAGEMENT PRACTICES

The following information details general best management practices for wet ponds, should the Village wish to reference it:

INSPECTION AND MAINTENANCE

All components of the stormwater management system shall be inspected at least semiannually in early spring and early autumn or more frequently as described below. Repairs will be made whenever the performance of the system is compromised as described below.

- **Vegetation**
 - Turf along the side slopes and top of containment berms for the detention pond shall be watered as needed during first growing season.
 - Woody vegetation (trees and shrubs) shall not be allowed to grow within the detention pond and shall be removed when discovered.
 - After initial establishment of vegetation, any area in excess of 1 square foot where vegetation has died or is missing shall be revegetated.
- **Earthworks**
 - Side slope areas of the detention pond shall be inspected for occurrences of erosion and slumping of bank material. Evidence of failure will require regrading and stabilization.
- **Inlet and outlet structures.**
 - These types of structures shall be inspected monthly for obstructions that may reduce their hydraulic capacity. Structure openings should immediately be cleared of any accumulated debris. Debris should be properly disposed of outside of stormwater storage areas. Evidence of structural or foundation material failure should be repaired immediately.
- **Trash and Debris**
 - The stormwater pond shall be inspected monthly for trash and debris. Trash and debris shall be properly disposed of outside of stormwater storage areas
- **Pond Storage Volume**
 - The owner shall complete an 'as-built' survey of the pond at the time that the site is substantially stabilized. The survey shall be sufficient to determine the as-built volume of the pond permanent pool and live storage areas. Additionally, the survey shall identify the pond average bottom elevation and at least two full depth cross-sections. If the pond does not substantially conform to the approved design the pond shall be modified until it conforms to the approved plan and meets the approval of the Village engineer.

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- Every 10 years after the pond's initial construction, and any time ownership of the property where the pond is located is sold, the pond shall be surveyed in accordance with the previous paragraph. This survey shall be provided to the Village engineer. If accumulated sediment has resulted in any portion of the 'sediment storage area' (those areas beyond any safety shelf) to be within three (3) feet of the normal pool elevation the pond shall be dredged to restore the original planned sediment storage volume. The Village engineer shall be notified at least two weeks in advance of any scheduled dredging and shall be notified again on the day that dredging is to occur. Record of the dredging including documentation of sediment volumes removed shall be provided to the Village engineer within one month of completion of dredging.
- The City engineer may adjust the required time interval (longer or shorter) between scheduled surveys depending upon the observed rate of sediment accumulation within the pond.

The owner shall maintain records of the dates and findings of inspections of the stormwater management system and the cleaning and replacement of system components. The owner shall provide copies of all records to the Village upon request.

Applications of fertilizers are prohibited for areas below the top of slope of the wet pond.

ATTACHMENTS

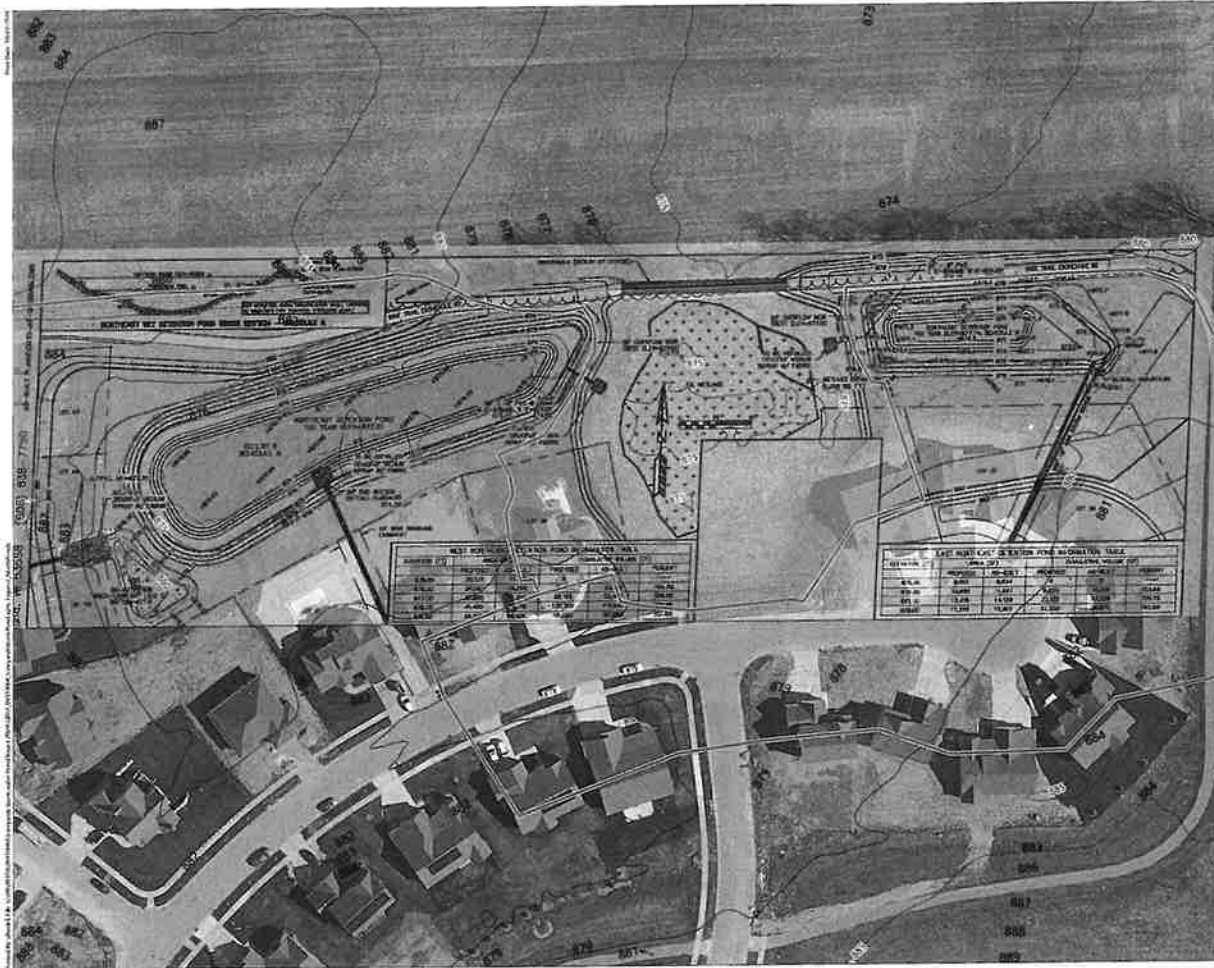


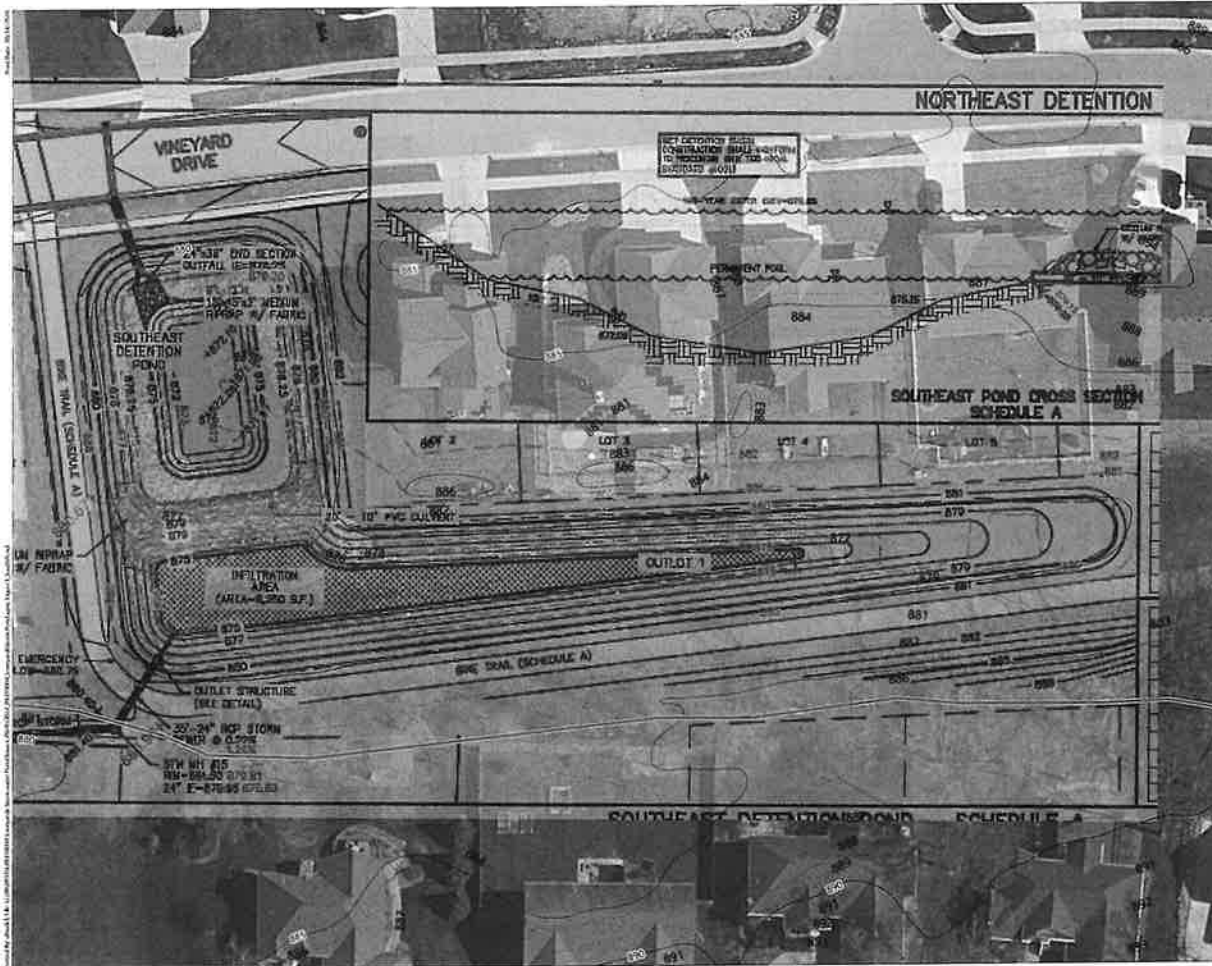
Drainage Map

Figure 1: Watersheds for storm ponds in the Vineyards
Village of Cambridge
Dane County, WI

- Pond Footprints
- Pond Watersheds
- Dane County Contours
- Index
- 1
- 2
- 5
- 10

Data Sources:
Village of Cambridge GIS
Dane County GIS
MSA Professional Services





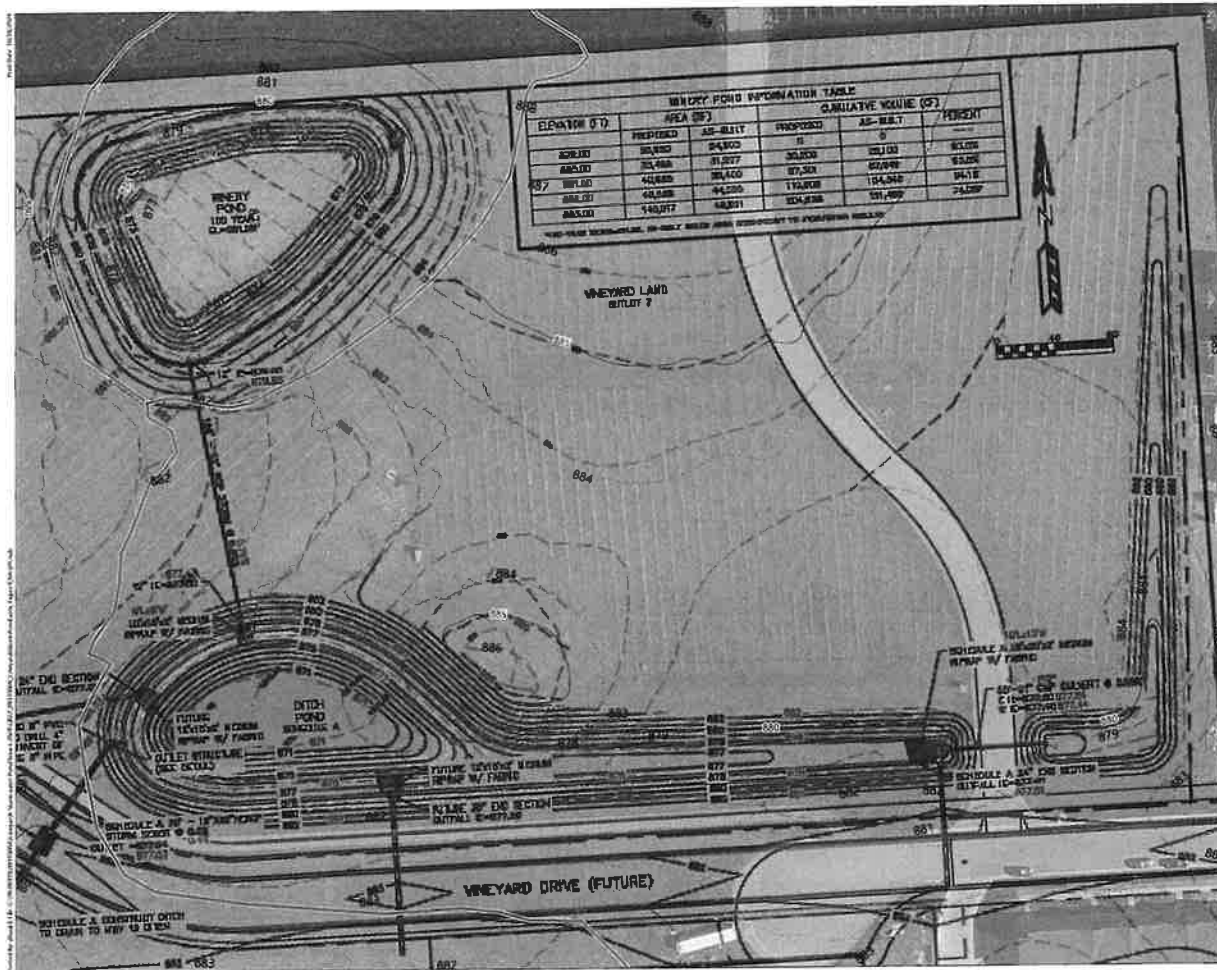
South Vineyards Pond

Figure 3: Aerial Footprint Comparison for South Vineyards Pond

Village of Cambridge
Dane County, WI

- Pond Watersheds
- Dane County Contours
- Index
- 1
- 2
- 5
- 10

Data Sources:
Plans provided by Quam Engineering
MSA Professional Services
DNR Latest Leaf Off Aerial Imagery



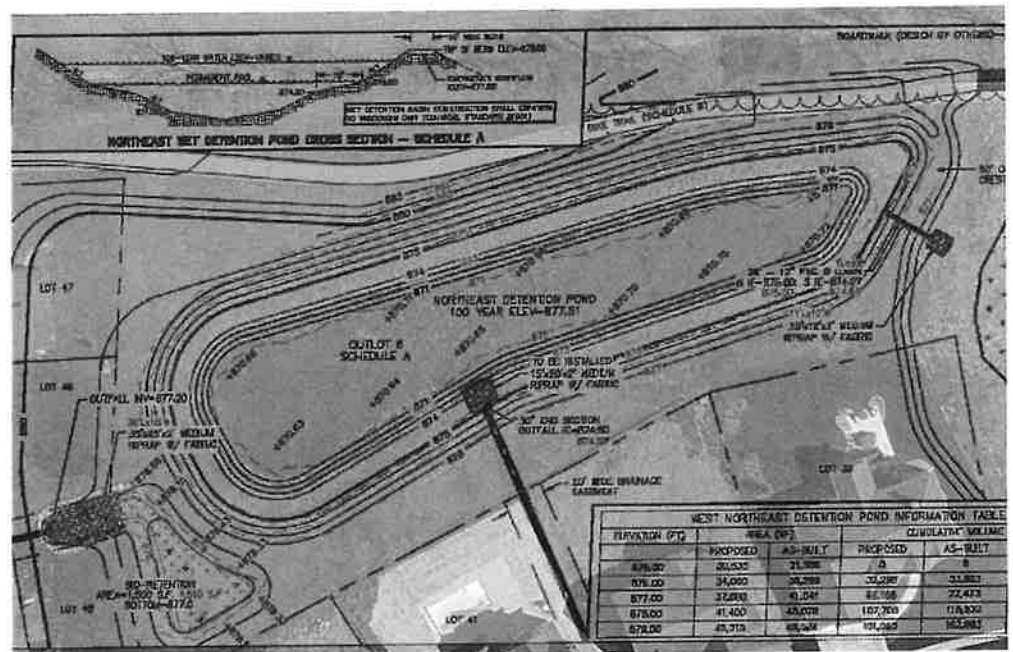
Winery Ponds

Figure 4: Aerial Footprint Comparison for North and South Winery Ponds
Village of Cambridge
Dane County, WI



Data Source:
Plans provided by Quam Engineering
MSA Professional Services
DNR Latest Leaf Off Aerial Imagery

North Vineyards Ponds - West



North Vineyards Ponds – West: Observations and Recommendations

Observations:

1. The infiltration basin located adjacent to the west pond has been filled in and is no longer functioning as designed.
2. The infiltration basin is lacking bio-retention vegetation called out in design plan.
3. Rip rap has been installed between the infiltration basin and the detention basin that is not included in the original design.
4. The erosion socks located in the filled-in infiltration basin are insufficient for a permanent solution of directing water to the pond.

Recommendations:

1. Excavate infiltration basin back to design depth and plant appropriate bio-retention vegetation.
2. Correct design of inlet structure to flow to infiltration basin, as per design.



North Vineyards Ponds – West: Observations and Recommendations

Observation:

1. Excessive vegetation and woody vegetation present on inlet/outlet structures and pond banks.

Recommendation:

1. Clear excess growth from banks and structures.

Overgrown inlet on west side of pond



Woody vegetation on north bank



Overgrown outlet structure to wetland



North Vineyards Ponds – West: Observations and Recommendations

Observations:

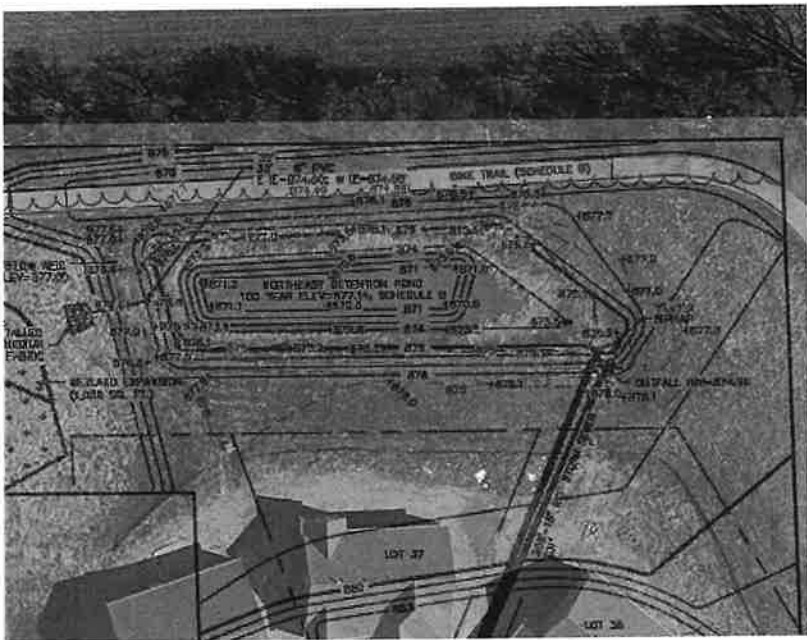
1. Large cattails are present within the majority of the wet detention basin and extend into the designed permanent pool, which is indicative of insufficient depth of permanent pool.
2. Trash was observed at the southern inlet rip rap.

Recommendation:

1. Remove trash from rip rap.



North Vineyards Ponds - East



North Vineyards Ponds – East: Observations and Recommendations

Observations:

1. The banks of the pond are fully overgrown.
2. Large cattails are present within the majority of the wet detention basin and extended into the designed permanent pool which is indicative of insufficient depth of permanent pool.
3. The SE inlet structures are overgrown with woody vegetation.

Recommendation:

1. Clear excess growth from banks and structures.



South Vineyards Pond



South Vineyards Pond: Observations and Recommendations

Observations:

1. There are large trees and vegetation on the pond banks and berm separating the infiltration and detention basins.
2. Erosion fabric is exposed on the dividing berm.
3. The Pond Inlet structure is overgrown.
4. Both the infiltration and detention basins are full of cattails which indicates insufficient depth of the permanent pool
5. The pipe to the outlet structure is overgrown.
6. The outlet structure is full of lawn clippings.

Recommendations:

1. Clear excess growth from banks, the berm, and structures.
2. Replenish rock supply to the berm to cover all fabric.
3. Cut or otherwise remove the cattails from the infiltration basin.
4. Clean the outlet structure.



North Winery Pond



North Winery Pond: Observations and Recommendations

Observations:

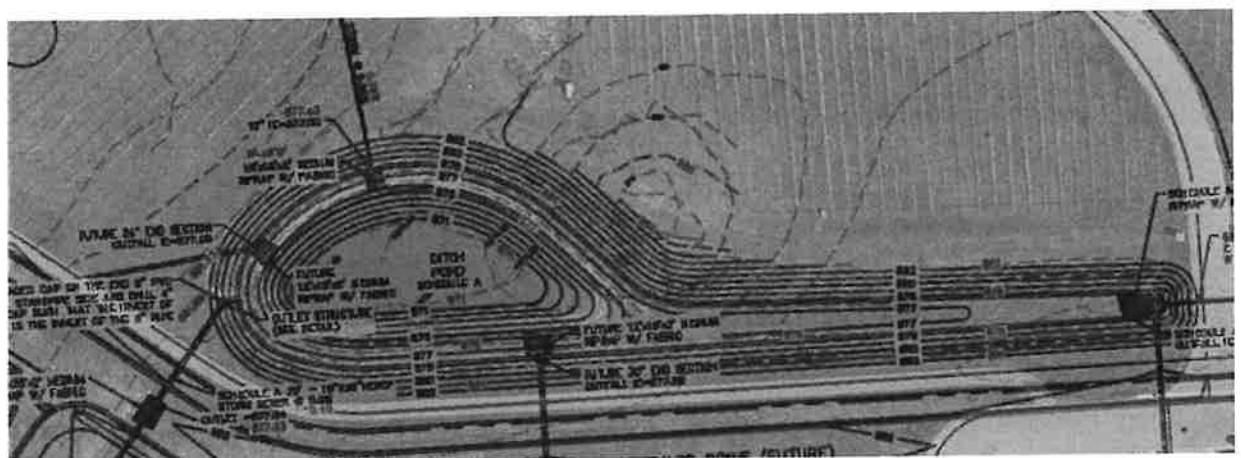
1. The banks of the pond are overgrown.
2. A small tree is present on the northern bank of the pond.
3. The outlet structure is overgrown.
4. Cattails are present at the northeast edge of the pond.

Recommendation:

1. Clear excess growth from the banks and structures.



South Winery Pond



South Winery Pond: Observations and Recommendations

Observations:

1. Cattails are filling much of permanent pool, indicating insufficient depth.
2. There is overgrowth and woody vegetation present on the pond's banks.
3. There is woody vegetation along the east edge of the pond obstructing the inlet structures.
4. Dense woody vegetation is obstructing the outlet pipe. The standpipe is overgrown with grass.



Recommendation:

1. Clear excess growth from the banks and structures.



VILLAGE OF CAMBRIDGE WATER AND SEWER UTILITY

P.O. BOX 99

CAMBRIDGE, WISCONSIN 53523

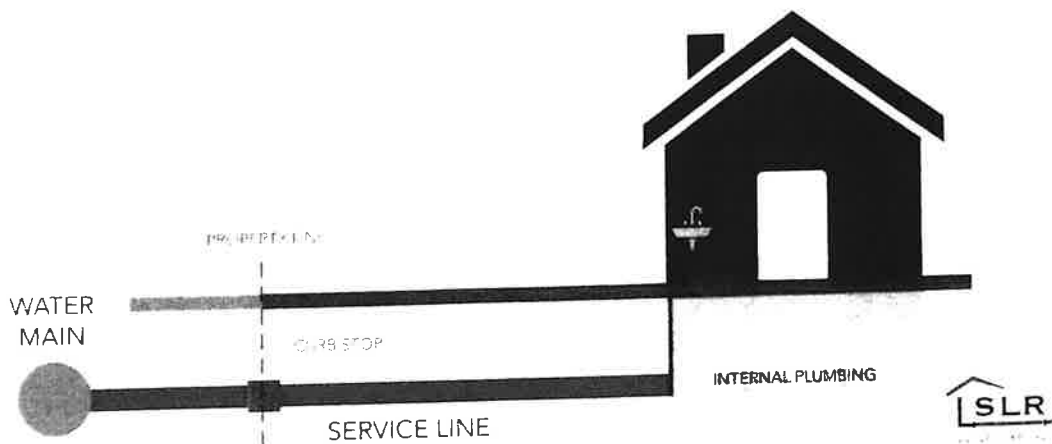
Dear resident,

We are writing to inform you of an important matter concerning the water service lines in your area. As part of our ongoing efforts to ensure the safety and quality of the drinking water supply, we have recently completed a survey of service lines within our community.

Notice of unknown service line material

Cambridge Water & Sewer Utility is focused on protecting the health of every household in our community. This notice contains important information about your drinking water. Please share this information with anyone who drinks and/or cooks using water at this property. In addition to people directly served at this property, this can include people in apartments, nursing homes, schools, businesses, as well as parents served by childcare at this property.

Cambridge Water & Sewer Utility is working to identify service line materials throughout the water system and has determined that the water pipe (called a service line) that connects your home, building, or other structure to the water main is made from **unknown material** but may be lead. Because your service line material is unknown, there is the potential that some or all of the service line could be made of lead or galvanized pipe that was previously connected to lead. People living in homes with a lead or galvanized pipe previously connected to a lead service line have an increased risk of exposure to lead from their drinking water.



Identifying service line material

To help determine the material of your service line, please contact the Water Department at utilities@cambridgewi.gov. EPA has developed an online step-by-step guide to help people identify lead pipes in their homes called Protect Your Tap: A Quick Check for Lead. It is available at: <https://www.epa.gov/ground-water-and-drinking-water/protect-your-tap-quick-check-lead>.

Health effects of lead

Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or worsen existing learning and behavior problems. The children of women who are exposed to

lead before or during pregnancy can have increased risk of these negative health effects. Adults can have increased risks of heart disease, high blood pressure, and kidney, or nervous system problems.

Steps you can take to reduce lead in drinking water.

Below are recommended actions that you may take, separately or in combination, if you are concerned about lead in your drinking water. The list also includes where you may find more information and is not intended to be a complete list or to imply that all actions equally reduce lead in drinking water.

Use filters properly. Using a filter can reduce lead in drinking water. If you use a filter, it should be certified to remove lead. Read any directions provided with the filter to learn how to properly install, maintain, and use your cartridge and when to replace it. Using the cartridge after it has expired can make it less effective at removing lead. Do not run hot water through the filter. For more information on facts and advice on home water filtration systems, see EPA's <https://www.epa.gov/water-research/consumer-tool-identifying-point-use-and-pitcher-filters-certified-reduce-lead>.

Clean your aerator. Regularly clean your faucet's screen (also known as an aerator). Sediment, debris, and lead particles can collect in your aerator. If lead particles are caught in the aerator, lead can get into your water.

Use cold water. Do not use hot water from the tap for drinking, cooking, or making baby formula as lead dissolves more easily into hot water. Boiling water does not remove lead from water.

Run your water. The more time water has been sitting in pipes providing water to your home, the more lead it may contain. Before drinking, flush your home's pipes by running the tap, taking a shower, doing laundry, or doing a load of dishes. The amount of time to run the water will depend on whether your home has a lead service line or not, as well as the length and diameter of the service line and the amount of plumbing in your home. [Include tailored flushing information, if appropriate, or add following language] Residents may contact us at [phone number and/or email address] for recommendations about flushing times in their community.

Learn what your service line material is. Contact us at utilities@cambridgewi.gov or a licensed plumber to determine if the pipe that connects your home to the water main (called a service line) is made from lead, galvanized, or other materials. [Protect Your Tap: A quick check for lead](#) is EPA's on-line step by step guide to learn how to find lead pipes in your home.

Learn about construction in your neighborhood. Contact us at [phone number and/or email address] to find out about any construction or maintenance work that could disturb your service line. Construction may cause more lead to be released from a lead service line or galvanized service line if present.

Have your water tested. Contact us, your water utility, at utilities@cambridgewi.gov to have your water tested and to learn more about the lead levels in your drinking water. Alternatively, you may contact a certified laboratory to have your water tested for lead. A list of certified laboratories is available at <https://dnr.wisconsin.gov/topic/labCert/certified-lab-lists>. Note, a water sample may not adequately capture or represent all sources of lead that may be present. For information on sources of lead that include service lines and interior plumbing, please visit <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water#getinto>.

Get your child tested to determine lead levels in their blood.

Although there is no confirmation of having a lead service line, you may wish to speak with a healthcare provider to see if your child's blood lead level is elevated and/or if there is a need for blood testing, if you are concerned about potential exposure. Please visit <https://www.cdc.gov/nceh/lead/advisory/acclpp/actions-blls.htm> for information on these actions.

For information about potential financing solutions to assist property owners with replacement of lead service lines, please contact us at utilities@cambridgewi.gov.

For more information on reducing lead exposure from your drinking water and the health effects of lead, visit EPA's website at <http://www.epa.gov/lead>.