CAMBRIDGE WATER, SEWER, AND STORMWATER COMMITTEE
AMUNDSON COMMUNITY CENTER
200 SPRING STREET - COMMUNITY ROOM
FEBRUARY 18, 2025
6:30PM
AGENDA

1. **Call to Order/Roll Call**
2. **Proof of Posting**
3. **Approval of consent agenda**
   a. Meeting Minutes from 12-17-2024
4. **Approval of Bills**
   a. Pay Application #13 for Well #3
5. **Reports**
   a. Utility Clerk
   b. Staff Report
   c. COWC Report
6. **Old Business:** Discussion and Possible Action Regarding
   a. Spring Water Alley – MSA
   b. Well #2 Generator – MSA
   c. Televising & Line Repair – Schroedl
   d. HAM Radio Update on the Water Tower – Steve Struss
   e. Purchase of Mower Attachment Equipment – Schroedl
   f. Budget update – Treasurer Peterson
7. **New Business:** Discussion and Possible Action Regarding
   a. High Water Usage at 219 W. Main St. Holly Ringen. – Redford
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
DECEMBER 17, 2024
6:30PM
MINUTES

1. **Call to Order/Roll Call:** Hollenbeck called the meeting to order at 6:30pm. Members present: Steve Struss, Larry Gunseor, Brian Kreklau, Ted Kumbier, and Paula Hollenbeck. Others present: Joe DeYoung, and Chase Przybylski from MSA. Mike, and Melanie Rumpf, Daniel Wenzel, Jae Ames, and Village President Mark McNally. Village Staff: Water Operator Schroedl, and Utility Clerk Redford.

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.

   Hollenbeck made a motion to move 6.a & 7.b, up the agenda. Kumbier seconded the motion. Motion carried.

3. **Approval of consent agenda:**
   a. Meeting Minutes from 11-19-2024

Kumbier made a motion to accept the consent agenda. Hollenbeck seconded the motion. Motion carried.

4. **Approval of Bills:**

Struss made a motion to approve the bills in the amount of $394,712.97. Kumbier seconded the motion. Motion carried on a 5-0 roll call vote.

5. **Reports:**
   a. **Utility Clerk:** I have been working on my usual daily, weekly, and monthly tasks. I have also been helping get tax inserts done, and tax bills sent out to residents. Our new Treasurer Lucy Peterson started today December 17, 2024.

   b. **Staff Report:** Derek told the Committee that with Lee Farrar being out on medical leave he is doing his duties as well as his own. Well #2 has been repaired. Also, the antenna on the water tower may be modified. There was discussion that manganese has been high. Schroedl will talk to Kurita regarding the higher manganese since we have a contract with them. There was discussion about the Enbridge oil spill. We do not know of any effect on the Village from this.

   c. **COWC Report:** Struss said there has been an authorized 3.5% pay raise for the guys at COWC. There was high chlorine that went through the system, and it is questionable where it came from. Struss asked Schroedl to talk to builders regarding what can and cannot go down the sewer system.

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

a. **Retention Pond Plan Updates – MSA:** Joe DeYoung from MSA said that it is up to Village staff to complete maintenance on the retention pond. There will be more burning, and maintenance done as time allows. DeYoung said ponds are dredged every 30 years. This pond is only 8 years old. There was discussion about grass clippings, and cat litter as well as other debris dumped in and around the retention pond. The Committee said there should be a letter sent to the HOA making them aware of things dumped in and around the pond. DeYoung said the Village should have MSA help draft a letter to the HOA regarding the dumping. There are legal matters involved. There is a possibility if this starts incurring too much cost there could be a need to recoup some of these costs from those residents.
Jae Ames Public Works interim Director said they are working from the plan from MSA. It will be worked on as time allows. We will need to rent some of the equipment for the maintenance.

Struss made a motion to have a letter constructed to the HOA making them aware of the grass clippings and other debris that the residents are dumping in and around the pond. With the help of MSA. Gunseor seconded the motion. Motion carried on a 5-0 vote.

b. **Rumpf Large Bill November – Vicki:** I told the Committee that in November Rumpf's had 51,000 gallons of water usage. I called them the day we did the W&S billing to let them know of the large usage. Rumpf's came to the November meeting and asked the Committee to consider a sewer credit because of the large consumption. Mike Rumpf told the Committee today that the water department has replaced their water meter. Rumpf said they had a plumber come and check things out. They are not sure where the large usage came from.

Hollenbeck made a motion to give Rumpf a sewer credit of $320.29 using the W&S sewer credit formula in our policy. Kumbier seconded the motion. Motion carried on a 5-0 roll call vote.

c. **Review of Financial Reports:** I told the Committee that I included budget comparison reports from water, sewer, and stormwater. This was in the packet for their review. Our new Treasurer will be working with Schroedl and Redford on the Water & Sewer Budget after the first of the year.

d. **Progress Report on Televising/Future Repair – Derek:** After discussion with the Committee, Schroedl will be prioritizing the televising and repair. Pipes will need build-up removed. Pipes will be lined to avoid encrustation. Schroedl will get pricing from contractors to bring to future W&S meetings.

e. **Update on Well #3:**
   1) Pay Application #12: Mid City payment of $273,519.25 is in this bill run. The Committee accepted pay application #12 to be paid to Mid City. Chase from MSA told the Committee that the punch list is completed. He is reviewing maintenance manuals as well as startup reports warranties etc. Once Chase feels everything is completed satisfactorily, he will recommend the final pay application #13 to Mid City. This payment will include any reduction of

payment on the contracted project. The funding compliance engineer from the DNR will make sure this project is completed according to specs.

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

   a. Wenzel at 208 Canterbury Ct. Large Usage on December Bill – Vicki
   I told the Committee that when we read water meters for billing that Wenzel's had 34,000 gallons of usage. I called them to make them aware of the high usage. I talked to them about attending the meeting for a possible partial sewer credit. Mr. Wenzel told the Committee that the problem was their water softener. It was constantly recycling. They have had the water softener replaced.

Struss made a motion to give Daniel Wenzel a sewer credit of $223.02 using the W&S sewer credit formula in our policy. Gunseor seconded the motion. Motion carried on a 5-0 roll call vote.

   b. Authorization to proceed to bidding on Well #2 Generator – FEMA Grant – MSA:
   Chase Przybylski from MSA would like authorization from the Committee to post the well #2 Generator project to public bid. MSA has completed the contract to DNR and state codes. They would like to post the bid to paper by January 16, 2024. They would open the bids February 13, 2024. Giving about 4 weeks for the contractors to review and submit their bids. Those bids would be available at the February 18, 2025, W&S Meeting. Then we could award that contract between February and April to stay on track with the FEMA Grant.

Struss made a motion to authorize MSA to post the bid packets by January 16, 2025. Kumbier seconded the motion. Motion carried on a 5-0 vote.

8. **Public Comment:** Committee member Kumbier said he would like to see the pond behind well#2 cleaned. Chase from MSA said the basin goes to ground water and is discharging directly to sewer.

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

   1. Retention pond update
   2. Televising and Repair update from Schroedl
   3. Manganese update from Schroedl
   4. HAM radio upgrade on water tower
   5. Financial Report for end of 2024

10. **Adjournment:** Struss made a motion to adjourn the meeting. Kumbier seconded the motion. Hollenbeck adjourned the meeting at 7:57pm.

Vicki Redford - Utility Clerk

EJCDC
ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

Contractor's Application for Payment No. 13

	Application Period: 9/6/2024-2/1/2025	Application Date: 2/5/2025
To (Owner): Village of Cambridge	From (Contractor): Mid City Corporation	Via (Engineer): MSA
Project: Well 3 Water Treatment Facility	Contract:	
Owner's Contract No.:	Contractor's Project No.: 2023-072	Engineer's Project No.:

Application For Payment

Change Order Summary

Approved Change Orders		
Number	Additions	Deductions
1		$15,000.00
2	$1,513.18	
3		$7,185.00
4	$233.61	
5	$875.50	
6		$14,359.00
7		
8		
TOTALS	$2,622.29	$36,544.00
NET CHANGE BY CHANGE ORDERS	-$33,921.71	

1. **ORIGINAL CONTRACT PRICE** .... $ **$4,842,000.00**
2. **Net change by Change Orders** .... $ **-$33,921.71**
3. **Current Contract Price (Line 1 ± 2)** .... $ **$4,808,078.29**
4. **TOTAL COMPLETED AND STORED TO DATE (Column F total on Progress Estimates)** .... $ **$4,808,078.29**
5. **RETAINAGE:**
   - **a. 5% X** $4,808,078.29 **Work Completed** .... $ **$240,403.91**
   - **b. 5% X** ______ **Stored Material** .... $ ______
   - **c. Total Retainage (Line 5.a + Line 5.b)** .... $ **$240,403.91**
6. **AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c)** .... $ **$4,567,674.38**
7. **LESS PREVIOUS PAYMENTS (Line 6 from prior Application)** .... $ **$4,348,984.38**
8. **AMOUNT DUE THIS APPLICATION** .... $ **$218,690.00**
9. **BALANCE TO FINISH, PLUS RETAINAGE (Column G total on Progress Estimates + Line 5.c above)** .... $ **$240,403.91**

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

CONTRACTOR SIGNATURE
By: Sarah [signature] Date: 2/5/2025

Payment of: $ $218,690.00
(Line 8 or other - attach explanation of the other amount)

is recommended by: [signature] (Engineer) 2/06/2025 (Date)

Payment of: $ ______
(Line 8 or other - attach explanation of the other amount)

is approved by: ______ (Owner) ______ (Date)

Approved by: ______ Funding or Financing Entity (if applicable) ______ (Date)

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract)		Application Number:	13
Application Period	9/6/2024-2/1/2025	Application Date	2/5/2025

			Work Completed		E	F		G
A		B	C	D	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
	Description	Scheduled Value ($)	From Previous Application (C+D)	This Period				
1	**Well # 3 Water Treatment Facility**							
	Bond, General Conditions	$83,500.00	$83,500.00			$83,500.00	100.0%	
	Preconstruction Administration	$50,000.00	$50,000.00			$50,000.00	100.0%	
	Project Management	$75,000.00	$73,000.00	$2,000.00		$75,000.00	100.0%	
	General Site Requirements- dumpster, bathrooms	$28,000.00	$28,000.00			$28,000.00	100.0%	
	Testing and Asbestos Inspection	$15,000.00	$15,000.00			$15,000.00	100.0%	
	Backwash Tanks- Materials	$57,000.00	$57,000.00			$57,000.00	100.0%	
	Backwash Tanks- Installation	$85,000.00	$85,000.00			$85,000.00	100.0%	
	Backwash Tank Pump and Labor	$14,000.00	$14,000.00			$14,000.00	100.0%	
	Treatment Filter- Materials Only	$685,000.00	$685,000.00			$685,000.00	100.0%	
	Treatment Filter- Labor	$48,000.00	$48,000.00			$48,000.00	100.0%	
	Softener- Materials Only	$798,000.00	$798,000.00			$798,000.00	100.0%	
	Softener- Labor	$54,000.00	$54,000.00			$54,000.00	100.0%	
	Rigging for Tank Installation into Building	$47,000.00	$47,000.00			$47,000.00	100.0%	
	Piping- Materials Only	$195,000.00	$195,000.00			$195,000.00	100.0%	
	Valves	$28,000.00	$28,000.00			$28,000.00	100.0%	
	Misc Mechanical Materials	$34,000.00	$34,000.00			$34,000.00	100.0%	
	Misc Mechanical Labor	$28,000.00	$25,000.00	$3,000.00		$28,000.00	100.0%	
	Well Pump- Materials Only	$65,000.00	$65,000.00			$65,000.00	100.0%	
	Chemical Feed- Materials Only	$34,680.00	$34,680.00			$34,680.00	100.0%	
	Fluoridation System- Materials Only	$13,320.00	$13,320.00			$13,320.00	100.0%	
	Chemical Feed- Installation	$9,500.00	$9,500.00			$9,500.00	100.0%	
	Underground Utilities- Labor/Equipment	$106,000.00	$106,000.00			$106,000.00	100.0%	
	Building Excavation and Backfill	$55,000.00	$55,000.00			$55,000.00	100.0%	
	Site Prep and Grading	$46,000.00	$38,000.00	$8,000.00		$46,000.00	100.0%	
	Restoration and Plantings	$30,000.00	$15,000.00	$15,000.00		$30,000.00	100.0%	
	Asphalt	$32,000.00	$32,000.00			$32,000.00	100.0%	
	HVAC	$84,000.00	$84,000.00			$84,000.00	100.0%	
	Interior Plumbing	$97,000.00	$94,600.00	$2,400.00		$97,000.00	100.0%	
	Building Construction							
	General Conditions	$46,000.00	$44,000.00	$2,000.00		$46,000.00	100.0%	
	Concrete	$215,000.00	$215,000.00			$215,000.00	100.0%	
	Masonry	$175,000.00	$175,000.00			$175,000.00	100.0%	
	Caulking	$7,000.00		$7,000.00		$7,000.00	100.0%	
	Carpentry	$185,000.00	$175,000.00	$10,000.00		$185,000.00	100.0%	
	Air/Vapor Barrier	$19,000.00	$19,000.00			$19,000.00	100.0%	
	Blown-In Insulation	$12,000.00	$12,000.00			$12,000.00	100.0%	
	Roofing	$31,000.00	$25,500.00	$5,500.00		$31,000.00	100.0%	

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract)	Application Number: 13
Application Period: 9/6/2024-2/1/2025	Application Date: 2/5/2025

A		B	Work Completed		E	F		G
			C	D	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
	Description	Scheduled Value ($)	From Previous Application (C+D)	This Period				
	Doors and Frames	$66,000.00	$66,000.00			$66,000.00	100.0%	
	Glazing	$16,000.00	$16,000.00			$16,000.00	100.0%	
	Gypsum Ceilings	$21,000.00	$21,000.00			$21,000.00	100.0%	
	Painting	$112,000.00	$100,000.00	$12,000.00		$112,000.00	100.0%	
	Electrical							
	Demo and temp	$16,000.00	$16,000.00			$16,000.00	100.0%	
	Serivce	$29,000.00	$29,000.00			$29,000.00	100.0%	
	MCC/Panels	$171,000.00	$171,000.00			$171,000.00	100.0%	
	Generator/ATS	$83,000.00	$66,400.00	$16,600.00		$83,000.00	100.0%	
	Lights/Devices	$39,000.00	$38,700.00	$300.00		$39,000.00	100.0%	
	Integrator	$262,000.00	$254,700.00	$7,300.00		$262,000.00	100.0%	
	Branch Conduit	$154,000.00	$154,000.00			$154,000.00	100.0%	
	Wire/Terminations	$44,000.00	$44,000.00			$44,000.00	100.0%	
	Site	$74,000.00	$74,000.00			$74,000.00	100.0%	
	Project Management	$13,000.00	$11,900.00	$1,100.00		$13,000.00	100.0%	
2	SCADA System Improvements at Main LS and Kenseth LS							
	Antenna	$5,000.00		$5,000.00		$5,000.00	100.0%	
	Integrator/Instrument	$32,000.00		$32,000.00		$32,000.00	100.0%	
3	Electrical Improvements at Kenseth Lift Station							
	Demo/Temp	$8,500.00		$8,500.00		$8,500.00	100.0%	
	Conduit/Pull Fox	$15,500.00		$15,500.00		$15,500.00	100.0%	
	RTY-LS2	$7,500.00		$7,500.00		$7,500.00	100.0%	
	Integrator/Instrument	$38,500.00		$38,500.00		$38,500.00	100.0%	
4	SCADA Improvements at Cambridge-Oakdale WTP							
	Antenna	$5,000.00		$5,000.00		$5,000.00	100.0%	
	Integrator/Instrument	$7,000.00		$7,000.00		$7,000.00	100.0%	
5	SCADA Improvements at Town of Okaland SD LS #6 and #8							
	Conduit/Raceway	$5,000.00		$5,000.00		$5,000.00	100.0%	
	Integrator/Instrument	$14,000.00		$14,000.00		$14,000.00	100.0%	
6	Electrical Allowance	$15,000.00	$15,000.00			$15,000.00	100.0%	
7	Natural Gas Allowance	$2,000.00	$2,000.00			$2,000.00	100.0%	
	Change Order 1	($15,000.00)	($15,000.00)			($15,000.00)	100.0%	
	Change Order 2	$1,513.18	$1,513.18			$1,513.18	100.0%	
	Change order 3	($7,185.00)	($7,185.00)			($7,185.00)	100.0%	
	Change Order 4	$233.61	$233.61			$233.61	100.0%	
	Change Order 5	$875.50	$875.50			$875.50	100.0%	
	Change Order 6 (change Items 6 and 7 above)	($14,359.00)	($14,359.00)			($14,359.00)	100.0%	

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract):				Application Number: 13				
Application Period: 9/6/2024-2/1/2025				Application Date: 2/5/2025				
			Work Completed		E	F		G
A		B	C	D	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
	Description	Scheduled Value ($)	From Previous Application (C+D)	This Period				
	Totals	$4,808,078.29	$4,577,878.29	$230,200.00		$4,808,078.29		

Dated From: 2/18/2025 From Account:
Thru: 2/18/2025 Thru Account:

Check Nbr	Check Date	Payee			Amount
26160	2/18/2025	ABT Mailcom			
BILL PROCESSING & MAILING FEBRUARY 2025					
500-00-53700-681-100		POSTAGE			211.28
	BILL PROCESSING & MAILING FEBRUARY 2025		51436		
600-00-53700-851-300		POSTAGE EXPENSE			211.28
	BILL PROCESSING & MAILING FEBRUARY 2025		51436		
800-00-58100-681-100		POSTAGE			211.26
	BILL PROCESSING & MAILING FEBRUARY 2025		51436		
				Total	633.82
26161	2/18/2025	CAMBRIDGE ACE HARDWARE			
KEY/DRILL BIT PRECUSN 1 - 4X6					
500-00-53700-650-600		WATER TREATMENT EQUIPMENT			14.96
	KEY/DRILL BIT PRECUSN 1 - 4X6		B163738/A274571		
				Total	14.96
26162	2/18/2025	CAMBRIDGE/OAKLAND WASTEWATER COMMISSION			
FEBRUARY BILL					
600-00-53700-824-000		PAYMENTS TO COWC			56,463.42
	FEBRUARY BILL		JANUARY		
				Total	56,463.42
26163	2/18/2025	Core & Main			
AIM WALL MOUNT-PCS UTILITY CODE 11					
200-00-57915-000-000		WELL #3 PROJECT			37,000.00
	AIM WALL MOUNT-PCS UTILITY CODE 11		V873555		
				Total	37,000.00
26164	2/18/2025	DIGGERS HOTLINE INC			
BILL FOR JANUARY					
500-00-53700-689-100		DIGGERS HOTLINE EXPENSES			32.80
	BILL FOR JANUARY		250 1 46201		
				Total	32.80
26165	2/18/2025	FARRAR, LEE			
STATE LAB WATER TESTING					
500-00-53700-660-000		VEHICLE/FUEL EXPENSES			20.96
	STATE LAB WATER TESTING		1-30-2025		
500-00-53700-660-000		VEHICLE/FUEL EXPENSES			20.96
	STATE LAB TESTING & MILAGE		2-11-2025		

Dated From: 2/18/2025 From Account:
Thru: 2/18/2025 Thru Account:

Check Nbr	Check Date	Payee			Amount
				Total	41.92
26166	2/18/2025	HYDROCORP			
LABOR (RECURRING) JOB #B460000					
500-00-53700-640-000		SUPPLIES AND EXPENSES			291.00
		LABOR (RECURRING) JOB #B460000	CI-04655 CUS#C000696		
				Total	291.00
26167	2/18/2025	MARTELLE WATER TREATMENT			
SODIUM HYPOCHLORITE BLK/HYDROFACID BULK					
500-00-53700-630-000		CHEMICALS			426.83
		SODIUM HYPOCHLORITE BLK/HYDROFACID BULK	28683 SALE ORDER#16776		
				Total	426.83
26168	2/18/2025	MID CITY CORPORATION			
WELL # 3 PROJECT/ 13TH PAYMENT					
200-00-57915-000-000		WELL #3 PROJECT			218,690.00
		WELL # 3 PROJECT/ 13TH PAYMENT	PMT 13 PROJECT #2023-072		
				Total	218,690.00
26169	2/18/2025	MSA PROFESSIONAL SERVICES			
CONSTRUSTION OBSERVATION					
200-00-57915-000-000		WELL #3 PROJECT			412.50
		CONSTRUSTION OBSERVATION	012807		
800-00-58100-682-300		STORMWATER - ENGINEER			770.10
		VINEYARDS DRAINAGE ISSUES	012948		
600-00-53700-682-300		OUTSIDE SRVCS - ENGINEERING			63.92
		DANCING GOAT SAMPLING PLAN	12948		
				Total	1,246.52
26170	2/18/2025	NAPA AUTO PARTS			
WINDSHIELD WASH & SYN OIL 75W90 QT					
500-00-53700-660-000		VEHICLE/FUEL EXPENSES			16.26
		WINDSHIELD WASH & SYN OIL 75W90 QT	766040		
				Total	16.26
26171	2/18/2025	OAKLAND SANITARY DISTRICT			
FEBRUARY BILL					
600-00-53700-822-000		PAYMENTS TO REGIONAL PLANT			453.50
		FEBRUARY BILL	JANUARY		

Dated From: 2/18/2025 From Account:
Thru: 2/18/2025 Thru Account:

Check Nbr	Check Date	Payee		Amount
			Total	453.50
26172	2/18/2025	REFUEL PANTRY		
F-150 FUEL,F-450,RAN FUEL				
500-00-53700-660-000		VEHICLE/FUEL EXPENSES		194.13
		F-150 FUEL,F-450,RAN FUEL	ACCT#2089	
			Total	194.13
26173	2/18/2025	THE EXPEDITERS INC		
IV4107 REMOVE ROOT/CLEAN/TELV/SOUTH ST.				
600-00-53700-831-300		SEWER LINE TELEVISING/RELINE		3,500.00
		IV4107 REMOVE ROOT/CLEAN/TELV/SOUTH ST.		
			Total	3,500.00
26174	2/18/2025	WILLIAM/REID		
COMPLETE LIQUID/NEW PUMP/TUBING ETC.				
500-00-53700-630-200		CHLORINATION EQUIPMENT		1,075.36
		COMPLETE LIQUID/NEW PUMP/TUBING ETC.	61713	
500-00-53700-630-200		CHLORINATION EQUIPMENT		464.43
		PROMINENT MULTI-FUNCT VALVE 88/2 KYNAR	61725	
			Total	1,539.79
26175	2/18/2025	WISCONSIN STATE LABORATORY OF HYGIENE		
FLUORIDE/FLDFLUOR,RADIU/GROSS ALPHA&BETA				
500-00-53700-640-000		SUPPLIES AND EXPENSES		409.00
		FLUORIDE/FLDFLUOR,RADIU/GROSS ALPHA&BETA	799576	
			Total	409.00
			Grand Total	320,953.95

DATE: 10/22/2024

SPRING WATER ALLEY REHABILITATION
ENGINEER'S ESTIMATE OF PROBABLE COSTS
VILLAGE OF CAMBRIDGE, WI

ITEM NO.	ITEM DESCRIPTION	EST. QTY	UNITS	UNIT PRICE	TOTAL PRICE
1	Mobilization, Bonds & Insurance	1	LS	$10,000.00	$ 10,000.00
2	Traffic Control	1	LS	$3,000.00	$ 3,000.00
3	Framed Inlet Protection	8	EA	$250.00	$ 2,000.00
4	Pulverize, Regrade & Remove Ex. Asphalt Pavement	1280	SY	$2.00	$ 2,560.00
5	Remove Concrete Curb & Gutter	760	LF	$6.00	$ 4,560.00
6	Remove 12" RCP Pipe	1	LS	$1,000.00	$ 1,000.00
7	30 inch Concrete Ribbon Curb & Gutter	600	LF	$25.00	$ 15,000.00
8	30 inch Concrete Standard Curb & Gutter	160	LF	$25.00	$ 4,000.00
9	Remove Concrete Sidewalk	200	SF	$4.50	$ 900.00
10	Concrete Sidewalk/ ADA Curb Ramp	220	SF	$70.00	$ 15,400.00
11	Detectable Warning Fields, Yellow	32	SF	$50.00	$ 1,600.00
12	Tuck Point and Seal Existing Pipe Collars	6	EA	$250.00	$ 1,500.00
13	Salvage and Adjust Castings with New Adjustment Rings	6	EA	$1,250.00	$ 7,500.00
14	6' Dia. Manhole Lid W/offset 2 ft x 3 ft Opening	1	EA	$2,500.00	$ 2,500.00
15	Storm Lateral Connection to Main (Undistributed)	1	EA	$350.00	$ 350.00
16	Excavation Below Subgrade (E.B.S.)	300	CY	$16.00	$ 4,800.00
17	3 inch Breaker Run (E.B.S.)	300	CY	$30.00	$ 9,000.00
18	Dense Graded Base	150	TON	$13.00	$ 1,950.00
19	Asphaltic Binder (2 inch Depth, 5LT 58-28 S)	160	TON	$80.00	$ 12,800.00
20	Asphaltic Surface (1.5 inch Depth, 5LT 58-28 S)	130	TON	$80.00	$ 10,400.00
21	15" Circular Reinforced Concrete Storm Pipe	254	LF	$95.00	$ 24,130.00
22	Core Connection to Existing Storm Structure	1	EA	$1,500.00	$ 1,500.00
23	**SUBTOTAL**				$ 126,450.00
24					
25	**Bid Alternate 1 - Diagonal Parking**				
26	Pavement Removal	355	SY	$2.00	$ 710.00
27	Asphaltic Binder (2 inch Depth, 5LT 58-28 S)	42	TON	$95.00	$ 3,990.00
28	Asphaltic Surface (1.5 inch Depth, 5LT 58-28 S)	31	TON	$95.00	$ 2,945.00
29	**SUBTOTAL**				$ 7,645.00
30					
31	**Bid Alternate 2 - Adjacent Parking**				
32	Pavement Removal	625	SY	$2.00	$ 1,250.00
33	Asphaltic Binder (2 inch Depth, 5LT 58-28 S)	72	TON	$95.00	$ 6,840.00
34	Asphaltic Surface (1.5 inch Depth, 5LT 58-28 S)	54	TON	$95.00	$ 5,130.00
35	**SUBTOTAL**				$ 13,220.00
36					
37	**Contingency**			20%	$ 29,463.00
38	**TOTAL: Items #23, #29, #35, #37**				$ 176,778.00

SPRING WATER ALLEY REHABILITATION

VILLAGE OF CAMBRIDGE
DANE COUNTY, WISCONSIN

PROJECT LOCATION

LOCATION MAP
NOT TO SCALE

SHEET INDEX

G 1	TITLE SHEET
TYP 1	TYPICAL SECTIONS
TC 1 - TC 3	TRAFFIC CONTROL
DT 1 - DT 4	SITE DETAILS
R 1 - R 2	SPRING WATER ALLEY REHABILITATION PLAN

LEGEND

- EXISTING WATER MAIN
- EXISTING WATER MAIN, VALVE & HYDRANT
- EXISTING WATER SERVICE & CURB STOP
- PROPOSED WATER MAIN, VALVE & HYDRANT
- PROPOSED WATER SERVICE & CURB STOP
- EXISTING SANITARY SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- EXISTING FORCEMAIN
- EXISTING STORM SEWER & INLET
- PROPOSED STORM SEWER & INLET
- PROPOSED STORM SEWER & MANHOLE
- BURIED ELECTRIC
- BURIED GAS & VALVE
- BURIED CABLE TELEVISION
- BURIED TELEPHONE
- BURIED FIBER OPTICS
- OVERHEAD UTILITY
- RAILROAD TRACKS
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- EXISTING SIDEWALK
- PROPOSED SIDEWALK
- EXISTING CULVERT PIPE
- PROPOSED CULVERT PIPE
- FENCE LINE
- DRAINAGE ARROW
- SILT FENCE
- RIGHT-OF-WAY
- BASELINE
- PROPERTY LINE
- TREE LINE
- BENCHMARK
- IRON PIPE
- IRON ROD
- CONTROL POINT
- UTILITY POLE & GUY
- SOIL BORING
- LIGHT POLE
- PEDESTAL
- STREET SIGN
- MAILBOX
- FLAGPOLE
- TREE - DECIDUOUS
- TREE - CONIFEROUS

UTILITIES

GAS & ELECTRIC

ALLIANT ENERGY
1521 PROGRESS WAY
STOUGHTON, WI 53589
CONTACT: DENNIS BIGGS
DENNISBIGGS@ALLIANTENERGY.COM

SEWER & WATER

VILLAGE OF CAMBRIDGE WATER & SEWER
200 SPRING STREET
CAMBRIDGE, WI 53523
CONTACT: DEREK SCHROEDL
(608) 480-9774

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

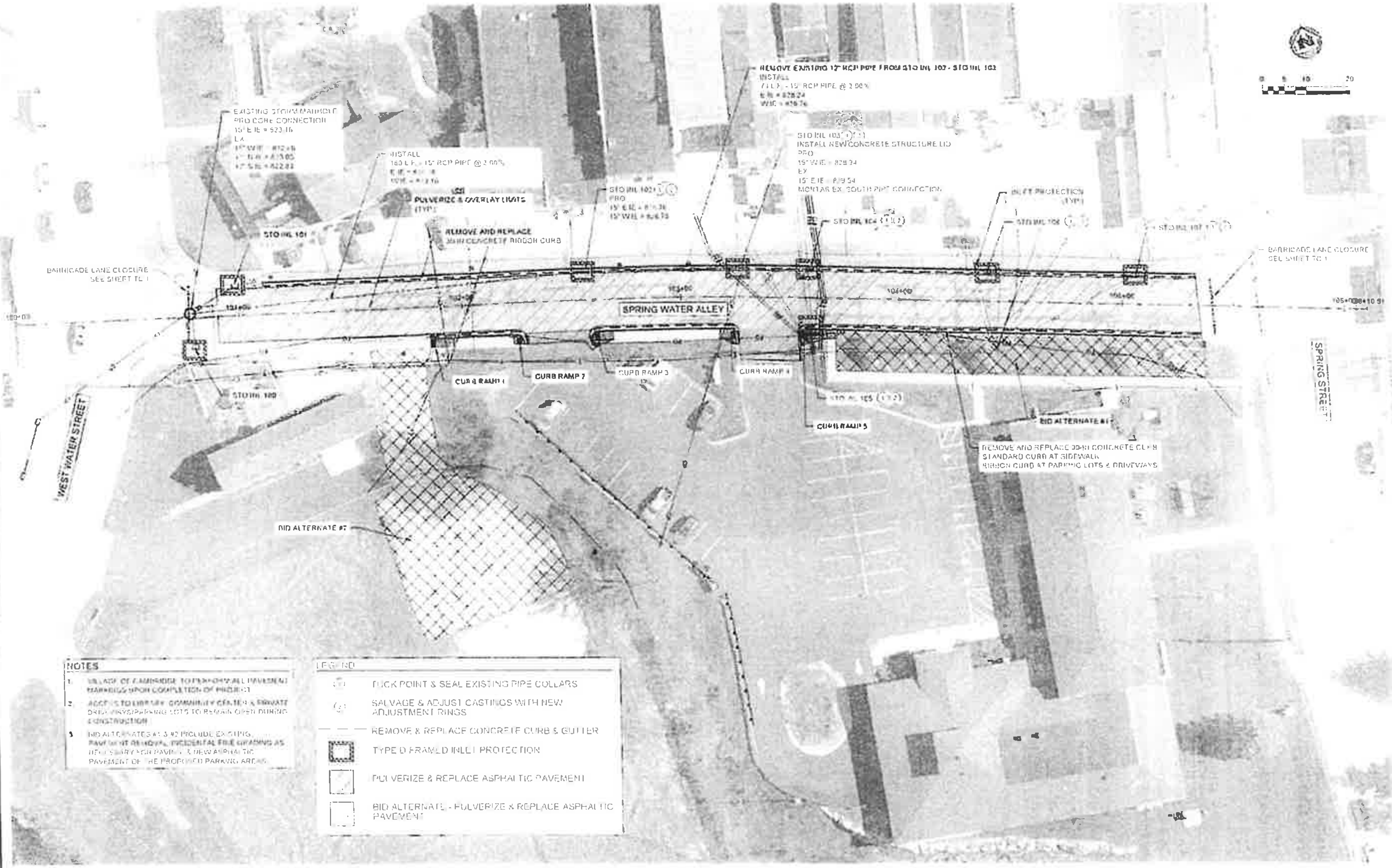
NOTE
UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO CONSTRUCTION.

MSA

SPRING WATER ALLEY REHABILITATION
VILLAGE OF CAMBRIDGE
DANE COUNTY, WISCONSIN

TITLE SHEET

09310033
G 1

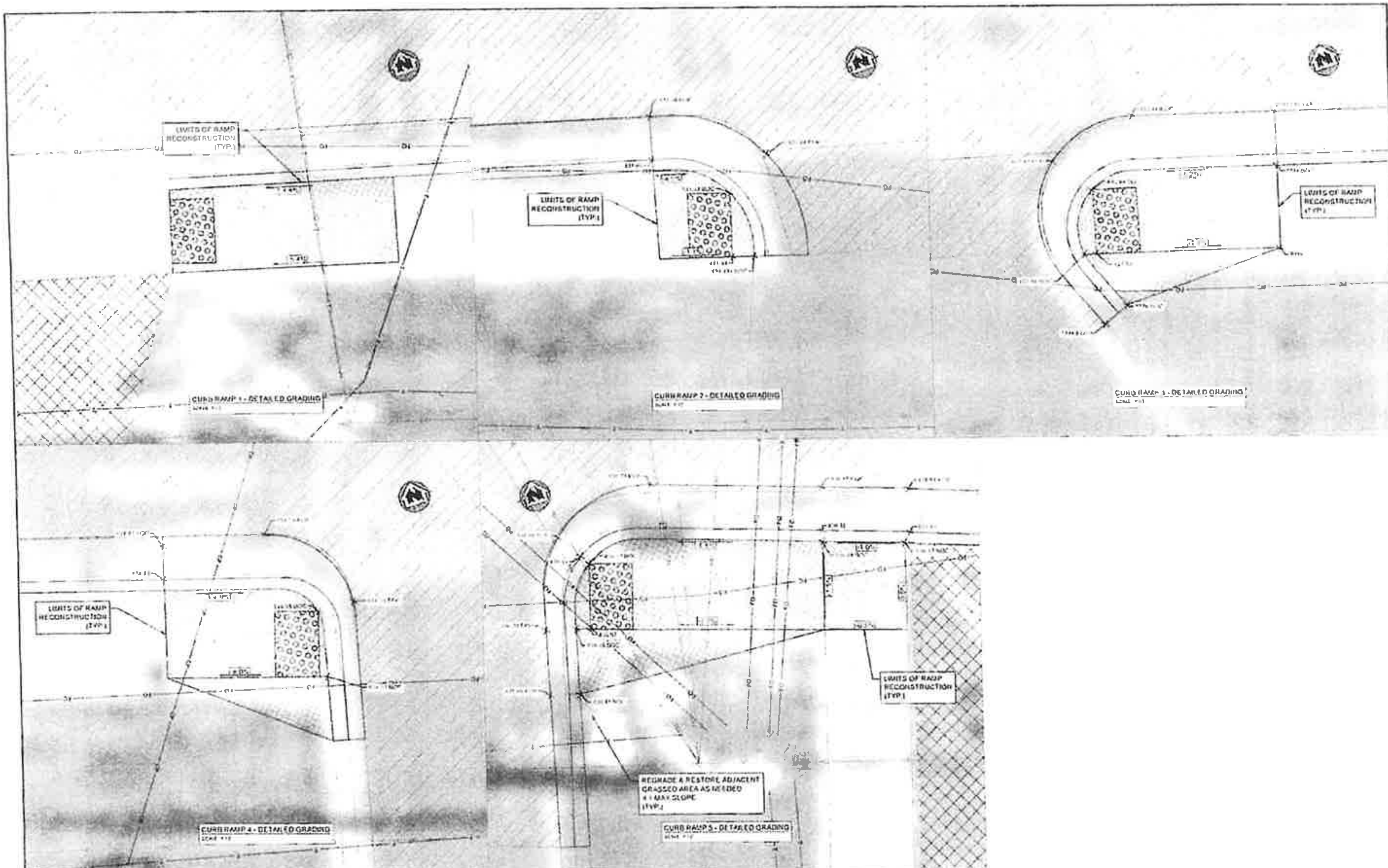


MSA

SPRING WATER ALLEY REHABILITATION
VILLAGE OF CAMBRIDGE
DANE COUNTY, WISCONSIN

SPRING WATER ALLEY REHABILITATION PLAN

R1



MSA

SPRING WATER ALLEY REHABILITATION
VILLAGE OF CAMBRIDGE
DANE COUNTY, WISCONSIN

SPRING WATER ALLEY REHABILITATION PLAN

08310033

R 2

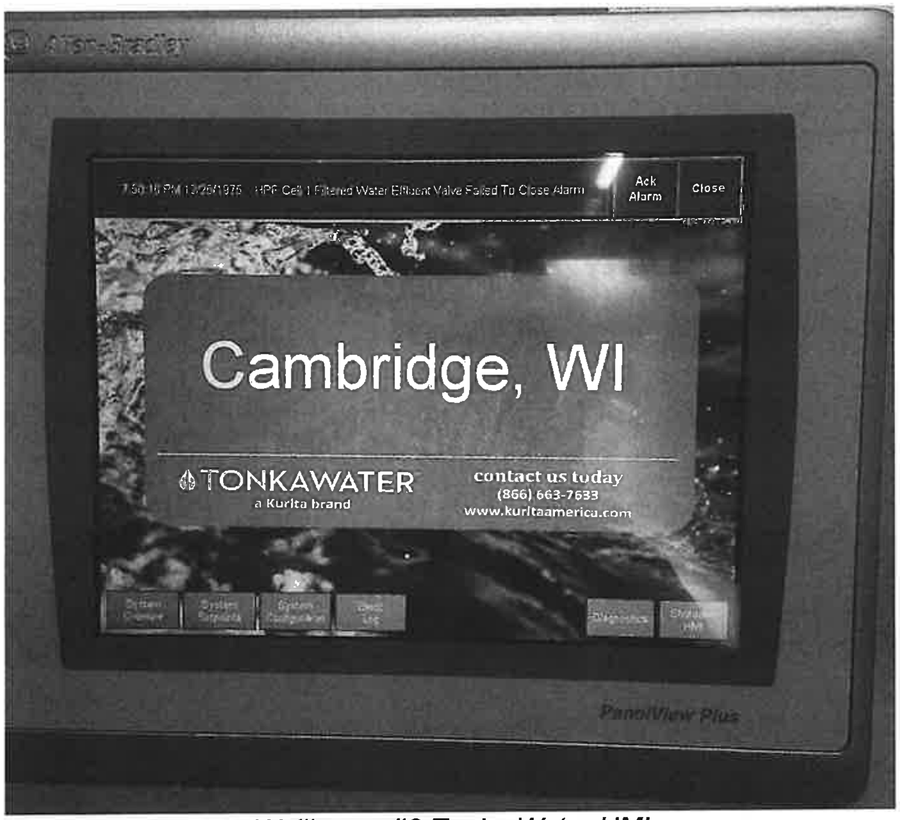
MSA

SPECIAL REPORT

1230 South Boulevard
Baraboo, WI 53913
608-242-6658

TO: Village of Cambridge
200 Spring Street, PO Box 99
Cambridge, WI 53523

Date: February 13, 2025
Job #: 09310012
Project: Cambridge Well #3 Water Treatment Facilities
Location: Cambridge, WI
Contractor: Mid City Corporation
Owner: Village of Cambridge
Present at Site:



Wellhouse #3 Tonka Water HMI

JANUARY 2025 - PROGRESS OF WORK COMPLETED:

- **January 6 – Jan 23/2025 – Options to Improve Backwash Pumping System**
  - Develop goals and outcomes with Derek.
  - Coordinate Options with Contractor & Suppliers.
  - Develop Proposals
- **Jan 23/2025 – Met with Village to Discuss Outstanding Items and Project Closeout**
  - Review of project status
  - Review of open punchlist items and additional items to be addressed.
    - Identified responsible parties in resolving items.
  - Discussion on improvements to Backwash Pumping System
    - Increase effluent pump flowrate

WEEKLY REPORT

- Increase effluent pump reliability
- Add grinder functionality
- Add base elbow and rail removal system for ease of maintenance

  - Discussion on Final Completion Extension (See Change Order No.9)
    - Extend final completion to April 7, 2025
      - Allow time for Mid City to furnish and install pump improvements
      - Allow Mid City to submit intermediate Pay App for work completed.
      - Retain 5% of Contract Value to for Final Payment

- **Jan 24 – Jan 28, 2025 – Execute plan to address punchlist items with Contractor/Vendors**
  - Village and MSA contacted responsible parties to alert to current opens items and form plans to address promptly.

CLOSEOUT DOCUMENTS

Current Status of Items Required for Project Closeout

Item	Draft	Final	BIC	Action
Operation and Maintenance Manuals	X	X	None	
Record Drawings	X	X	None	
American Iron and Steel Certifications	X	X	MSA	Send to DNR
DeMinimis Tracking List for AIS Compliance	X	X	MSA	Send to DNR
Letter of Completion			MSA	Draft Letter
Final Pay App	X		MCC	Submit
Warranty Letters	X	X	MSA	Send to VoC
Lien Waivers	X	X	MSA	Send to DNR
Start Up Reports	X	X	MSA	Send to VoC
Schedule Walkthrough With DNR			MSA	

Items in Red are on hold because of timing with acceptance of Change Order 9.

MSA has reviewed the submitted documents and made requests for corrections and additional information. All documents will be turned over to the Village once MSA determines they are complete and in compliance with the Contract. MSA will also be coordinating with the compliance officer from the DNR to do a final walkthrough of the site and to review the funding documentation. The next steps are for MSA to prepare a Letter of Acceptability, Letter of Final Completion, and an approved Final Pay Application minus any retainage to be withheld.

PAY APPLICATIONS

- Mid City Pay App #13 has been recommended by MSA. See Pay App #13.
  - ~5% of the Contract is to be held for Final Payment (PA#14) upon satisfaction of open items.

WEEKLY REPORT

WRITTEN BY:

MSA Professional Services, Inc.
Chase Przybylski
Chase Przybylski-PE, Project Engineer

Change Order

No. 9

Date of Issuance: 2/06/2025 Effective Date: 2/10/2025

Project: Well #3 Water Treatment Facilities	Owner: Village of Cambridge	Owner's Contract No.:
Contract: Village of Cambridge – Well #3 Water Treatment Facilities		Date of Contract: February 6, 2023
Contractor: Mid City Corporation		Engineer's Project No.: 09310012

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Replacement of Backwash Pump P-2-6-1 with grinder type pump and rail removal system.

Extension of Final Completion to accommodate procurement and installation of Backwash Pump.

The Village and Mid City have negotiated an agreement for these changes to result in a no-cost change order.

Attachments (list documents supporting change):

Mid City Change Order Proposal Dated 1/23/2025

MSA Submittal Review Document for 44 42 56.40_003 Submersible Waste Pump date 2/06/2025

CHANGE IN CONTRACT PRICE:	**CHANGE IN CONTRACT TIMES:**
Original Contract Price:	Original Contract Times: ☐ Working days ☒ Calendar days
	Substantial completion (days or date): April 19, 2024
$4,842,000.00	Ready for final payment (days or date): July 19,2024
~~[Increase]~~ [Decrease] from previously approved Change Orders No. 01 to No. 08	[Increase] ~~[Decrease]~~ from previously approved Change Orders No. 01 to No. 08
	Substantial completion (days):
$33,921.71	Ready for final payment (days): 77
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:
	Substantial completion (days or date): August 30, 2024
$4,808,078.29	Ready for final payment (days or date): November 15, 2024
~~[Increase] [Decrease]~~ of this Change Order:	[Increase] ~~[Decrease]~~ of this Change Order:
	Substantial completion (days or date):
$0.00	Ready for final payment (days or date): April 7, 2025
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:
	Substantial completion (days or date): August 30, 2024
$4,808,078.29	Ready for final payment (days or date): April 7, 2025

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: [signature]	By: [signature]	By: [signature]
Engineer (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Date: 2/06/2025	Date: 2-13-25	Date: 2/6/2025
Approved by Funding Agency (if applicable):		Date:

MID CITY CORPORATION

Change Order Proposal

Project: Cambridge Well #3 Treatment **Date:** 1/23/25

Description of Work:

Replacement of backwash holding tank pumps with larger pumps

Labor:

Classification	Labor Hours	Labor Rate	Total Labor Cost
Plumber	8	$89.86	$718.88
Plumbing Apprentice	8	$63.89	$511.12
			$0.00
			$0.00
Total Labor Costs			$1,230.00

Materials:

Description	Quantity	Cost	Total Cost
Pumps- LW Allen Quote	1	$3,668.00	$3,668.00
Base Elbow- LW Allen Quote	1	$2,390.00	$2,390.00
Stainless Guide Rails	2	$600.00	$1,200.00
Pump Discharge Piping	1	$500.00	$500.00
Anchors, guide rail supports	1	$150.00	$150.00
Total Material Cost			$7,908.00

Equipment:

Description	Quantity	Unit Price	Total Cost
Foreman Truck	1	$228.00	$228.00
			$0.00
			$0.00
			$0.00
			$0.00
Total Equipment Cost			$228.00

Subcontractor:

Description	Total Cost
Van Ert	$4,640.05
Total Subcontractor Cost	$4,640.05

Overhead and Profit on Materials and labor (15%)	$1,370.70
Overhead and Profit on Subcontractor (5%)	$232.00
Total Change Order Request	**$15,608.75**

PROPOSAL

L.W. ALLEN, LLC

A Full Service Distributor

PUMPS – CONTROLS – REPAIR CENTER

4633 Tompkins Drive - Madison, WI 53716

Phone 608.222.8622
Fax 608.222.9414

Mid City Corporation

Attn: Ms. Sarah Nunn, P.E.

PROPOSAL ID: 25010210CBBREV1

REFERENCE: Backwash Pump WTP Well 3

LOCATION: Cambridge, WI

BID DATE:

FREIGHT IS F.O.B. ORIGIN	TERMS: NET-30 DAYS PER ATTACHED TERMS AND CONDITIONS
☑ ALLOWED ☐ PREPAID & ADD ☐ COLLECT	PRICES DO NOT INCLUDE SALES OR USE TAXES

ITEM	QUAN	DESCRIPTION	TOTAL PRICE
		L.W. Allen is pleased to provide the following equipment for your consideration:	
A	1	Hydromatic HVf200M4 submersible grinder pump rated for approximately 30 gpm at 90 ft TDH. Included are 2 HP 460 v 3 phase motor, dual mechanical seals mounted in tandem, seal fail sensor probe, 50-ft power/sensor cords, and a stainless-steel lifting bail.	
		Total Item A.........	**$3,668.00**
B	1	TL-Pro base below system, includes base elbow with sealing flange, upper and intermediate guide brackets (NOTE: 1" SST guide rails are NOT included).	
		Total Item B..........	**$2,390.00**
		Included: Submittal, O&M manual, freight to job site, start up service	
		Not Included: Installation, guide rails, fittings, bushings, reducers, piping of any kind, electrical components, starters, breakers, junction boxes, conduit or anything else not specially noted in above scope of supply.	

ACCEPTED THIS _____ DAY OF ________________, 20____

PRICE FIRM FOR **30** DAYS

SUBMITTED THIS: January 30, 2025

____
NAME OF PURCHASER

BY: ______________________________
NAME & TITLE

L.W. ALLEN, INC.-BY: William A. Buckles
William A. Buckles

Terms and Conditions

Controlling Provisions: These terms and conditions shall supersede any provisions, terms, and conditions contained on any purchase order or other written form Buyer may use or provide (whether received by Seller prior or subsequent to date hereof), and the rights of the parties shall be governed exclusively by the provisions, terms, and conditions hereof.

Quotations and Acceptance: Acceptance of a quotation, whether by a separate purchase order or by other means, shall constitute an acknowledgment and approval of the quotation as written and an acceptance of the Terms and Conditions hereof. Written quotations shall expire on the date specified in the quotation or, in the absence of such specification, thirty calendar days from the date issued. Seller may, by written notice, terminate a quotation at any time prior to acceptance. Any purchase order received after expiration of a quotation, which Seller honors, shall be subject to all of the Terms and Conditions hereof.

Submittal Drawings: Submittal of drawings for approval, if required, will be made after receipt of complete information from buyer. The quantity of the submittal drawings will be as specified in the contract documents. Additional sets will be supplied at $150.00 per set. Return to Seller of one (I), final approved drawing constitutes notice to Seller to proceed with manufacturer. If this order is conditioned upon "engineer approval" Seller requires written notification from buyer in the form of approved submittal data.

Force Majeure: Seller shall not be liable for failure to deliver or perform, for any delay in the performance of orders or contracts, or in the delivery of shipment of goods, or for any damages suffered by the buyer due to such delay or failure, when the delay or failure is, directly or indirectly, caused by or arises from delays of suppliers or carriers or any other cause beyond Seller's control.

Prices and Taxes: All prices are F.O.B. factory unless expressly stated otherwise. Prices do not include sales, excise, municipal, state or other governmental taxes. Buyer shall be responsible for all taxes.

Credit Approval: The credit terms specified on the face hereof are subject to Seller's continuing approval of Buyer's credit. Seller may withdraw the extension of credit and require modified payment terms if, in Seller's sole judgment, Buyer's credit or financial standing is impaired to the point where Seller in good faith deems itself insecure.

Delivery: Unless otherwise specified in this quotation, delivery will be F.O.B. Seller's point of shipment. Buyer will accept delivery within twenty (20) days after Seller notifies Buyer that the equipment is ready for shipment. If Buyer does not furnish exact shipping instructions within ten (10) days after acceptance of this proposal, Seller will select, at its discretion, the means and terms of shipment. Seller will not be liable for any loss resulting from such selection. The time of delivery is an estimate only, and Seller may change such time if it does not receive the information and approvals necessary to proceed with the manufacture of equipment.

Title, Risk of Loss, Inspection of Equipment: Title and risk of loss to the equipment shall pass to Buyer upon delivery of the equipment to the carrier. Buyer shall immediately inspect equipment upon receipt and any damage must be noted on the carrier's bill of lading at time of receipt. Seller is not liable for any shortages or nonconformance unless notified by Buyer within 10 days of Buyer's receipt of the equipment. Buyer will make all claims for loss or damage in transit against the carrier.

Changes, Cancellations, Returns: All changes, cancellations, or returns must have Seller's prior written approval and are conditional on compliance with manufacturer's cancellation/return policies and subject to restocking fees and service charges. Authorized returned equipment must be packaged and shipped prepaid to manufacturer.

Payment: Unless the Seller extends alternative credit terms, 90% of the total purchase price is due net 30 days after delivery of equipment (but in all cases prior to field service start-up, if earlier) and the remaining 10% is due upon start-up of equipment by Seller's field technician, but in no event more than 90 days after shipment of equipment. Any balance owed by Buyer after the due date is subject to a 1.5% per month delinquency charge until paid. **FIELD START-UP SERVICE CANNOT BE AUTHORIZED WITHOUT RECEIPT OF PAYMENT IN THE AMOUNT OF 90% OF THE TOTAL PURCHASE PRICE.** If no start-up is required, 100% payment is due net 30 days from invoice date. **BUYER'S PAYMENT OBLIGATION IS IN NO WAY CONTINGENT UPON BUYER'S RECEIPT OF PAYMENT FROM ANY OTHER PARTY.**

Indemnification and Default: In addition to all other amounts due hereunder, buyer shall reimburse Seller in full for all collection costs or changes, including reasonable attorney fees, which Seller may incur in the collection of past due amounts from buyer, including interest on overdue accounts. If buyer is in default under this or any other agreement with Seller, Seller may defer performance hereunder until such default is cured. Seller shall have no obligation to provide factory startup assistance and/or factory training until all invoices (including retentions) for equipment have been paid in full.

Security Interest: Seller shall retain a security interest in the equipment until the full purchase price has been paid. Buyer's failure to pay any amounts due shall give Seller the right to possession and removal of the equipment after providing ten (10) days written notice. Seller's taking of such possession shall be without prejudice to any other remedies Seller may have.

Warranty and Liability: Buyer shall have such warranty rights, and only such warranty rights, as may be extended by the manufacturer of the product. The terms and conditions of any such warranty rights are set forth in the Manufacturer's Operation/Maintenance Manual which accompanies each product. Seller does not otherwise offer any guaranty or warranty for the product. Seller disclaims any and all warranties; express or implied, including the warranties of merchantability and fitness, except as may be set forth in the terms and conditions of sale in this Agreement or in any express written warranty which seller may have otherwise extended to Buyer for the product. Unless otherwise agreed, warranty coverage is 18 months from date of shipment or 12 months from date of startup, whichever comes first.

Seller shall not be liable for any damages, charges for labor, or expense in making repairs or adjustments to the product without prior written approval of Seller. Seller shall not be liable for any damages or charges sustained in the adaptation or use of its engineering data or service by Buyer or any third party. Seller shall not be liable for startup or any other field work performed by personnel other than authorized representatives of Seller unless expressly approved in writing in advance by Seller. Seller shall in no event be liable for any consequential, incidental or liquidated damages or penalties. Seller's liability under this Agreement shall in no event exceed the lesser of: (i) the cost of remediating any defect or deficiency in the performance of Seller hereunder; or (ii) the purchase price of the product in respect of which the claim is made.

Operation/Maintenance Manuals: Buyer's installation, maintenance and operation manuals will be furnished in the number of copies specified at the time of quotation in contract documents. If none specified, one will be provided at no added cost, with additional copies at $150.00 each.

Van Ert

Change Order Proposal

To: Mid-City Corp.
ATTN: Sarah Nunn
Ph: (414) 416-7805
Email: snunn@midcitycorp.us

Date: 1/16/2025
Project Name: Cambridge Well#3
PCO Title: Backwash Waste Pump P-2-6-1
CC#: 3

Van Ert Electric Inc. is pleased to furnish this Change Order Proposal for the removal of wiring, material, and equipment for the above referenced project. This proposal is submitted at your request and includes the reason and scope below.

Reason for change:

The Backwash Waste Pump P-2-6-1 was originally specified as ¾ HP. It needs to be upsized to 2 HP. The MCC bucket will need to have a new MCP to be sized correctly. Overload adjustments will need to be made as well. No hardware control of PLC control will need to be made. In addition to MCC modifications the existing pump will need to be disconnected, and the new one wired in once installed.

Scope of Work below:

- Backwash Waste Pump P-2-6-1 bucket Mods
  - Replace motor circuit protector from 3 amp rated to 7 amp rated
  - Adjust overload to match 2 HP pump FLA's

CC 2 – $4640.05

- **Labor 8 hrs. 89.18/hr. $713.44**
- **Altronex $3,121.00**
- **Material $383.79**
- **Markup 10% $421.82**

Clarifications:

- All work to be performed during normal business hours, Monday thru Friday 7am to 5pm
- Pricing is valid for (15) days.
- NO sales tax on material.

If you have any questions or further requirements do not hesitate to contact me. Thank you for your consideration.

Sincerely,

Van Ert Electric Company, Inc.

Jeremiah Casey
Project Manager
Van Ert ELECTRIC, INC.
(608)617-2950

Shop Drawing Review

Date: 02-06-2025

Project: Well #3 Water Treatment Facilities – Village of Cambridge (#09310012)

Submittal: 44 42 56.40
Submersible Waste Pump - 03

Review By: Chase Przybylski

DRAWING REVIEW

Review is for general compliance with contract documents. No responsibility is assumed for correctness of dimensions or details. Contractor is responsible for approval of shop drawings and for complete compliance with the requirements of the contract documents.

- ☒ **Reviewed** - see comments and conditions noted
- ☐ **Amend and resubmit** – see comments noted
- ☐ **Additional Information Required** – see comments noted
- ☐ **Rejected** - see comments and conditions noted

MSA Professional Services, Inc.

General Notes:

A. The supplier, subcontractor, and general contractor are responsible to provide the material and products as identified in the specifications and on the drawings, regardless of what is shown in this submittal. MSA's review of this submittal is cursory. Errors and omissions in this submittal are the responsibility of the supplier and contractor, not the responsibility of MSA.

B. The Contractor shall confirm/verify all sizes, orientations, and quantities for installation.

C. Contractor shall be responsible for field verifying existing conditions and dimensions.

Comments:

1. *Provide* pumps with 50' power cord as noted in Bill of Materials.

MID CITY CORPORATION

Contractor Submittal Review

Mid City Corporation has reviewed and compiled this submittal packet for the project listed below. Materials proposed comply with the requirements of the Contract Documents. Acceptance of these submittals acts as a notice to proceed in procurement of the submittal material.

SUBMITTAL #: 44 42 56.40.002-0

PROJECT NAME: Well No. 3 Water Treatment Facility
PROJECT LOCATION: Cambridge, WI

DATE SUBMITTED: 2/5/2025

SUBMITTAL: Effluent Pump

NOTES: Revised effluent pump and removal system

SIGNED: *Sarah J Nunn*
Sarah Nunn, *Director of Water Resources Division*

OWNER / ENGINEER STAMP:

L.W. ALLEN

SUBMITTAL DATA

Submittal Date: February 4, 2025

Project: Cambridge WTP

Equipment & Designation: Backwash Pump

Contractor: Mid City Corp.

This submittal is for your review and approval prior to release of this equipment for manufacture and shipment. Your approval is requested by 2/12/2025 in order to meet production and delivery schedules. Submittals not returned by this date may delay scheduled shipping dates based on projected manufacturing capacity.

Please initial and return one copy of these drawings with your approval/comments. Thank you!

Unit approved:

Remarks:

ORDER HELD FOR YOUR APPROVAL

L.W. Allen

By: Amber Link

Amber Link – Project & Purchasing Specialist

L.W. Allen 4633 Tompkins Drive • Madison, WI 53716 P: 608.222.8622

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Bill of Materials

Cambridge Well 3 Backwash Pump

Item	Description	Qty.
A	**Hydromatic** HVF200M4 submersible grinder pump rated for approximately 30 gpm at 90 ft TDH. Included are 2 HP 460 v 3 phase motor, dual mechanical seals mounted in tandem, seal fail sensor probe, 50-ft power/sensor cords, and stainless-steel lifting bail. TL-Pro base elbow system includes base elbow with sealing flange, upper and intermediate guide brackets.	1

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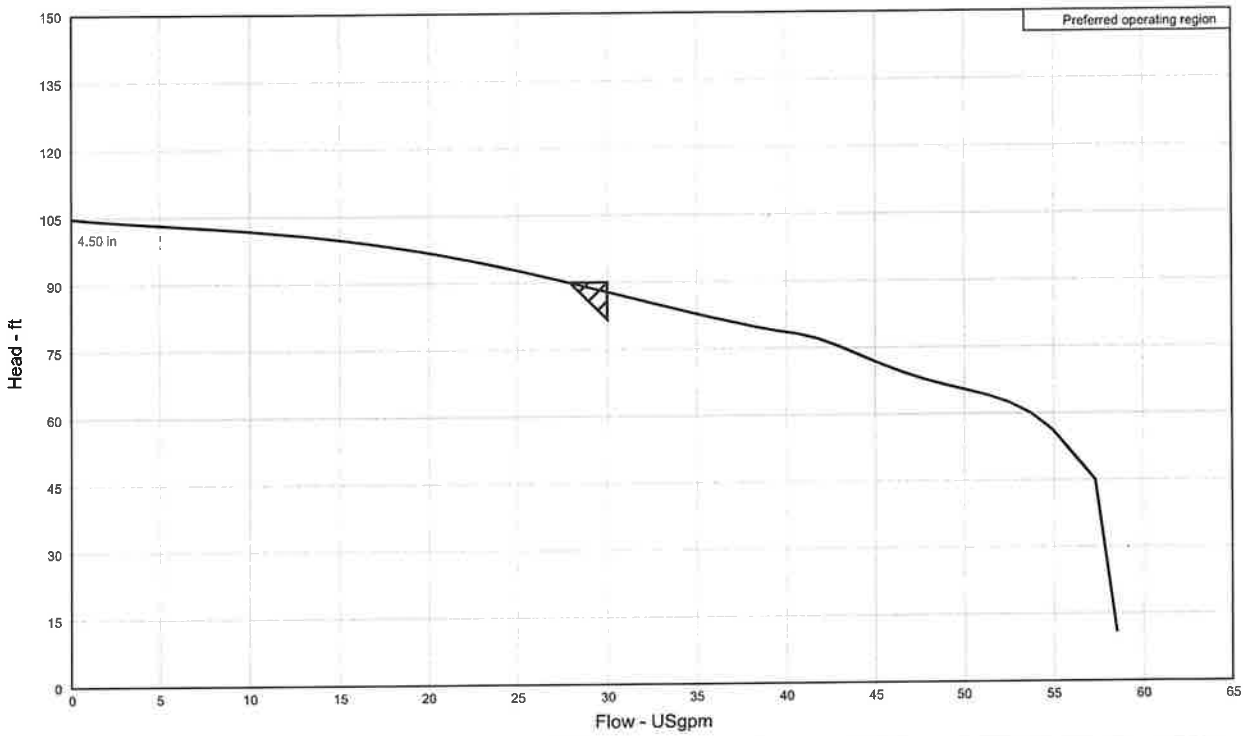
Customer : L.W. ALLEN, LLC
Project name : L.W Allen, LLC

Pump Performance Curve

Encompass 3.0 - 24.5.0



Item Number / Tags	: Cambridge Well 3	Size	: Hydromatic - HVF-200	Flow, rated	: 30.00 USgpm
Service	:	Stages	: 1	Differential head / pressure, rated	: 90.00 ft
Quantity	: 1	Speed, rated	: 3500 rpm	NPSH required	: -
Quote number	: 040390MP	Based on curve number	: SUB_G_O_AH_00012_B_2 Rev 2018-06-19	Fluid density, rated / max	: 1.000 / 1.000 SG
Date last saved	: 04 Feb 2025 8:31 AM	Efficiency	: -	Viscosity	: 1.00 cP
		Power, rated	: 1.90 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Electrical Data - HVH/HVS/HVF200

MODEL: HVH/HVS/HVF200 — Submersible Grinder Pumps

R.P.M.	3450			
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION			
MOTOR DESIGN NEMA TYPE	B (3ø) L (1ø)			
GENERAL INSULATION CLASS	F			
STATOR WINDING CLASS	F			
MAXIMUM STATOR TEMPERATURE	140°C			
MOTOR PROTECTION	BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 130–140°C AND AUTOMATICALLY RESET @ 83–101°C DIFFERENTIAL, ONE IN SINGLE PHASE, TWO IN THREE PHASE			
ELECTRICAL RATINGS	HEAT SENSOR	24VDC 5AMPS	115VAC 5AMPS	230VAC 5AMPS
	SEAL FAIL	300VAC 5mA		
VOLTAGE TOLERANCE	±10%			

HIGH HEAD

V/PH/HZ	HP	START AMPS	FL AMPS	FULL LOAD KW	START KVA	FL KVA	NEC CODE LETTER	SERVICE FACTOR	MODEL	STANDARD CORD 20'	STANDARD CORD 35'
230/1/60	2	49	18.5	4.2	11.27	4.26	G	1	Catalog	HVH200M2-2-20	HVH200M2-2-35
									Eng	528330007	528330047
200/3/60	2	53	12.5	3.9	18.3	4.33	L	1	Catalog	HVH200M6-2-20	HVH200M6-2-35
									Eng	528330017	528330057
230/3/60	2	46	12	3.9	18.3	4.77	L	1	Catalog	HVH200M3-2-20	HVH200M3-2-35
									Eng	528330027	528330067
460/3/60	2	23	6	3.9	18.3	4.77	L	1	Catalog	HVH200M4-2-20	HVH200M4-2-35
									Eng	528330037	528330077
575/3/60	2	25	5	3.9	24.9	4.98	L	1	Catalog	HVH200M5-2-20	HVH200M5-2-35
									Eng	528330207	528330217

STANDARD

V/PH/HZ	HP	START AMPS	FL AMPS	FULL LOAD KW	START KVA	FL KVA	NEC CODE LETTER	SERVICE FACTOR	MODEL	STANDARD CORD 20'	STANDARD CORD 35'
200/1/60	2	66	16	3.2	13.2	3.2	G	1	Catalog	HVS200M7-2-20	HVS200M7-2-35
									Eng	528340217	528340237
230/1/60	2	49	13.5	3.2	11.27	3.12	G	1	Catalog	HVS200M2-2-20	HVS200M2-2-35
									Eng	528340007	528340047
200/3/60	2	53	10	3.2	18.3	3.46	L	1	Catalog	HVS200M6-2-20	HVS200M6-2-35
									Eng	528340017	528340057
230/3/60	2	46	9	3.2	18.3	3.58	L	1	Catalog	HVS200M3-2-20	HVS200M3-2-35
									Eng	528340027	528340067
460/3/60	2	23	4.2	3.2	18.3	3.35	L	1	Catalog	HVS200M4-2-20	HVS200M4-2-35
									Eng	528340037	528340077
575/3/60	2	25	5	3.9	24.9	4.98	L	1	Catalog	HVS200M5-2-20	HVS200M5-2-35
									Eng	528340207	528340227

HIGH FLOW

V/PH/HZ	HP	START AMPS	FL AMPS	FULL LOAD KW	START KVA	FL KVA	NEC CODE LETTER	SERVICE FACTOR	MODEL	STANDARD CORD 20'	STANDARD CORD 35'
200/1/60	2	66	16	3.2	13.2	3.2	G	1	Catalog	HVF200M7-2-20	HVF200M7-2-35
									Eng	528590217	528590237
230/1/60	2	49	13.5	3.2	11.27	3.12	G	1	Catalog	HVF200M2-2-20	HVF200M2-2-35
									Eng	528590007	528590047
200/3/60	2	53	10	3.2	18.3	3.46	L	1	Catalog	HVF200M6-2-20	HVF200M6-2-35
									Eng	528590017	528590057
230/3/60	2	46	9	3.2	18.3	3.58	L	1	Catalog	HVF200M3-2-20	HVF200M3-2-35
									Eng	528590027	528590067
460/3/60	2	23	4.2	3.2	18.3	3.35	L	1	Catalog	HVF200M4-2-20	HVF200M4-2-35
									Eng	528590037	528590077
575/3/60	2	25	5	3.9	24.9	4.98	L	1	Catalog	HVF200M5-2-20	HVF200M5-2-35
									Eng	528590207	528590227

Technical Data - HV200

MODEL: HVH/HVS200 — Submersible Centrifugal Grinder Pump

Physical Data:

DISCHARGE SIZE	1-1/4"
IMPELLER TYPE	SEMI-OPEN 8 VANE
CABLE LENGTH	35' STANDARD

Liquid Handling:

MAXIMUM LIQUID TEMP.	140°F
ACCEPTABLE pH RANGE	6 – 9
SPECIFIC GRAVITY	0.9 – 1.1
VISCOSITY	28 – 35 SSU

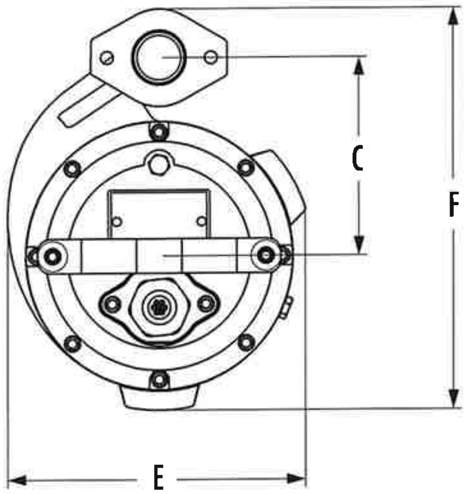
Temperature:

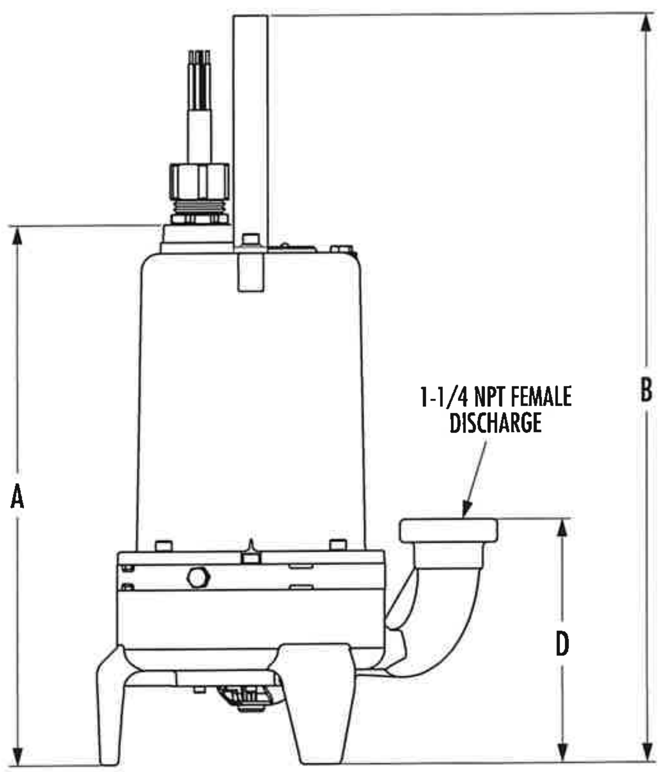
MAXIMUM STATOR	284°F
OIL FLASH POINT	390°F
HEAT SENSOR Open: Closed:	284°F MAX./266°F MIN. 214°F MAX./181°F MIN.

Technical Data:

POWER CORD TYPE		HV/HVS: SOOW
MATERIALS OF CONSTRUCTION	MOTOR HOUSING	CAST IRON ASTM A-48 CLASS 30
	CASING	CAST IRON ASTM A-48 CLASS 30
	IMPELLER	316 SST / CF8M
	CUTTERS Stationary: Rotating:	 440C STAINLESS STEEL HARDENED TO 55-60 ROCKWELL C 440C STAINLESS STEEL HARDENED TO 55-60 ROCKWELL C
	MOTOR SHAFT	416 STAINLESS STEEL
	HARDWARE	300 SERIES STAINLESS STEEL
	O-RINGS	NITRILE
MECHANICAL SEALS Standard: ~~Optional:~~		 UPPER CARBON/CERAMIC/NITRILE, TYPE 21 ~~HVH/HVS: LOWER TUNGSTEN CARBIDE/TUNGSTEN CARBIDE/NITRILE, TYPE 21~~
UPPER BEARING		(RADIAL) SINGLE ROW BALL 6203
LOWER BEARING		DOUBLE ROW ANGULAR CONTACT 3205A
MIN. B-10 BEARING LIFE		50,000 Hrs

Dimensional Data – HV200





	A	B	C	D	E	F
HV200	15.81	21.95	5.77	7.13	8.70	11.69

ALL DIMENSIONS IN INCHES
NOTE: CASTING DIMENSIONS MAY VARY ± 1/8"

PENTAIR

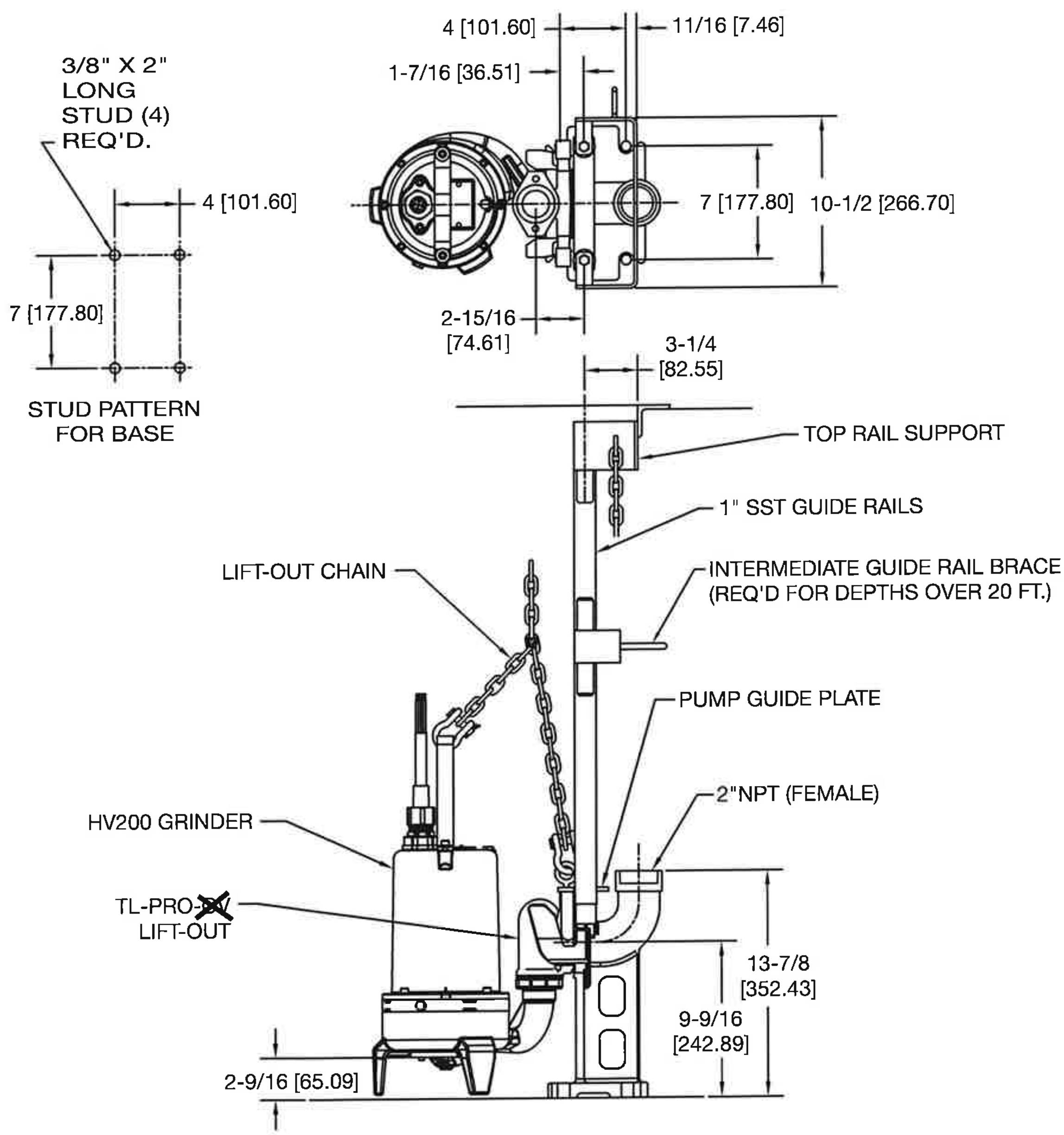
HYDROMATIC®

Typical Installation

HV200

Submersible Grinder Wastewater Pump
2 HP, 1-1/4" Discharge

Slide Rail Dimensions (TL-PRO-~~CV~~ SHOWN)



Note: Metric Dimensions Shown [mm].

PENTAIR

Customer Technical Offer

Customer	L.W. ALLEN, LLC	Size / Stages	/
Item Number / Tags	Cambridge Well 3	Pump speed	3500 rpm
Customer reference		Quote number	

Pump

Qty	Description
1	*Hydromatic - HVF-200* **Configuration** **Pump information** **Parameters** Environment: Ordinary Impeller Diameter Selection Criteria: Impeller diameter calculated from 30 USgpm and 90 Ft Rated Flow: 30 USgpm Rated Head: 90 ft Impeller diameter: 4.5000 inches - based on curve data Selected Hertz: 60 Hz Speed Rated: 3,500 rpm Motor size: 2.00 hp / 1.49 kW (Fixed) Motor Voltage/Phase: 460/3 Oil type: Dielectric transformer **Wet end and seal options** Pump: HVF200M4-2-35, Grinder pump 2 HP 460 volt 3 phase Vertical orientation with Flanged and Threaded discharge connection Horizontal or vertical discharge: Vertical discharge Flanged or threaded connection: Flanged and Threaded discharge Less Seal Leak Detection: No Pump Control Switch: Manual Pump Material: Standard Cast Iron Shaft Material: Standard 416 SS Impeller Material: Standard 316 SST Lower Seal Material: Carbon Ceramic - Nitrile, Type 21 Upper Seal Material: Carbon Ceramic - Nitrile, Type 21 **Other available pump options** O-Ring: Nitrile Pump Coat: Green air dry enamel **Wet well configuration** Intellisafe Kit and Potential Relay Kit: None Cord length and gauge: 35 ft, 12-7 SOOW

System

Qty	Description
1	**Configuration** **Pump information** **Wet well configuration** Basin configuration: TL-Pro Installation Type: Simplex Rail Support Bracket: Yes Intermediate Guide Bracket: Yes **Weight** Pump Weight: 104 lb (47.17 kg) Total Weight: 104 lb (47.17 kg)

PENTAIR

HYDROMATIC®

Specifications
HV200 Series

OPERATING CONDITIONS – Each pump shall be rated ___2____ hp, ____460___ volts, __3_ phase, ___60__ hertz, and __3500__ rpm. The unit shall produce__30__U.S. GPM at __90__feet TDH.

CONSTRUCTION – Each pump shall be of the sealed submersible grinder type, model HV200 as manufactured by Hydromatic. The pump volute, motor and seal housing shall be high quality gray cast iron, ASTM A-48, Class 30. All external mating parts shall be machined and Nitrile O-ring sealed on a beveled edge. Gaskets shall not be acceptable. All fasteners exposed to the pumped liquid shall be 300 series stainless steel.

POWER CORD – Power cord shall be SOOW water resistant 600V, UL and/or CSA approved. The single cord shall incorporate both power and sensor leads and shall be a minimum of five 12 gauge conductors. The pump shall be protected with compression fitting and epoxy potted area at the power cord entry to the pump. A separation between the junction box area of the pump and the motor, by a stator lead sealing gland or terminal board, shall not be acceptable. The power cable entry into the cord cap assembly shall first be made with a compression fitting. Each individual lead shall be stripped down to bare wire, at staggered intervals, and each strand shall be individually separated. This area of the cord cap shall then be filled with an epoxy compound potting which will prevent water contamination to gain entry even in the event of wicking or capillary attraction. The power cord leads shall be connected to the motor leads with extra heavy connectors having copper inserts with a crimped wire-to-wire connection rather than a terminal board that allows for possible leaks. The cord cap assembly shall be sealed with a Nitrile O-ring on a beveled edge to assure proper sealing.

MOTOR – The stator, rotor and bearings shall be mounted in a sealed submersible type housing. The stator windings shall have Class F insulation (155°C or 311°F) and a dielectric oil-filled motor, NEMA B design (three-phase), NEMA L design (single-phase). Because air-filled motors do not dissipate heat as efficiently as oil-filled motors, they shall not be acceptable. The pump and motor shall be specifically designed so that they may be operated partially dry or completely submerged in the liquid being pumped. The pump shall not require cooling water jackets. Supplemental cooling shall not be acceptable.

BEARINGS AND SHAFT – An upper single row ball radial bearing and a lower double row angular contact bearing shall be provided. Bearings shall be permanently lubricated by the dielectric oil that fills the motor housing. The shaft shall be machined from solid 400 series stainless steel and be designed with large diameters and minimum overhang to reduce shaft deflection and prolong bearing and seal life.

SEALS AND SENSORS – The rotor and stator in the motor housing shall be separated and protected from the pumped liquid by an oil-filled seal housing incorporating two type 21 carbon ceramic mechanical seals mounted in tandem. The seal housing shall be equipped with a moisture sensing probe installed between the seals, and the sensing of moisture in the seal chamber shall be automatic, continuous and not require the pump be stopped or removed from the wet well.

IMPELLER – The impeller shall be constructed of 316 SST/CF8M and be designed for rough duty service. It shall be a ten-vane, semi-open design with four wash out vanes on the rear shroud. The impeller shall be a non-overloading design.

GRINDER MECHANISM – The stationary cutter shall be circular in design and contain evenly spaced cutting slots that extend outwards from the inlet of the pump. The slots are tapered inward toward the inlet to help direct slurry through the cutting slots into the pump. The slots are to be angled, or undercut, to help maintain a sharp axial cutting edge, even as the axial face wears during use. The stationary cutter shall be pressed into the suction opening of the volute and held in place by four 300 series stainless steel screws. The stationary cutter shall be provided with tapped back-off holes so that screws can be used to remove the cutter from the volute. The rotating cutter shall contain three axial cutting arms extending from the hub, perpendicular to the pump shaft, that are shaped to aid in the rejection of suspended debris that has not been sufficiently reduced in size by the axial cutting action. The curved, leading edge of the cutting arms shall create a scissor action with the cutting slots of the stationary cutter plate to minimize the required torque. This will allow the cutter to macerate tough objects and prolong cutter life. Serrations on the hub of the cutter add additional cuts that prevent debris from becoming entangled within the rotating cutter. The rotating cutter shall thread onto the end of the pump shaft and be secured by a 300 series stainless steel washer in conjunction with a 300 series stainless steel flat head cap screw threaded into the end of the shaft. Both stationary and rotating cutters shall be made of 440C stainless steel, hardened to Rockwell 57-60C and ground close to tolerance. The grinder shall be capable of grinding normal domestic sewage into a fine slurry.

PAINT – The pump shall be painted with waterborne hybrid acrylic/alkyd paint. This custom engineered, quick dry paint shall provide superior levels of corrosion and chemical protection.

Specifications – TL-PRO SYSTEM

TL-PRO BASIN SYSTEM – 1-1/4" GRINDER PUMP LIFT-OUT RAIL SYSTEMS ~~AND LIFT-OUT CHECK VALVE RAIL SYSTEMS~~

GENERAL

Furnish and install a complete grinder pump system consisting of ____1___ (qty) Hydromatic ___HVF200M4___ (model number) submersible grinder pumps and ________1____ lift-out rail systems.

COMPONENTS

Each lift-out system shall consist of a cast iron discharge base, stainless steel pump guide plate, and cast iron elbow. All exposed nuts, bolts, and fasteners shall be 300 series stainless steel. For hazardous locations, a nonsparking brass guide plate and elbow/check valve will be standard construction.

ELBOW

Discharge elbow shall be 1-1/4" x 2" NPT and shall be integral to the base assembly.

SEALING

Sealing plate/elbow has a female mating end and shall be bolted to pump. A simple downward sliding motion of the pump and guide plate on the guide rails shall cause the unit to be automatically connected and sealed to the base. The open face of the sealing plate shall have dovetailed groove machined into the face to hold a sealing O-ring. The O-ring shall provide a redundant leakproof seal at all operating pressures. For lift-out check valve rail systems, the elbow/check valve shall be bolted to the pump and the discharge flange seal shall provide a leakproof seal.

GUIDE RAILS

Two rail pipes shall be used to guide the pump from the surface to the discharge base connection. The guide rails shall be 1" Schedule 10 or Schedule 40 pipe. The weight of the pump shall bear solely on the discharge base and not on the guide rails. Rail systems that require the pump to be supported by legs that might interfere with the flow of solids into the pump suction will not be considered equal. The guide rails shall be firmly attached to the access hatch frame. Systems deeper than 20 feet shall use an intermediate guide for each 12 feet of wetwell depth.

LIFTING CHAIN

An adequate length of _____ lifting chain shall be supplied for removing pump. The chain shall be of sufficient length to provide ease of pump removal.

CHECK VALVE SYSTEMS

The lift-out check valve shall be of the ball type with a corrosion resistant neoprene ball. The ball shall be the only moving part and shall move automatically out of the path of flow, thus providing an unobstructed smooth flow through the valve body. Upon pump shut-off, the ball shall automatically roll to the closed position to provide a positive seal against back pressure or back flow. A stainless steel check valve insert is required with the TL-PRO-CV only.

PENTAIR HYDROMATIC®

Village of Cambridge Wellhouse #2 Emergency Backup Power Generator Addition (#9404071)

Owner: Village of Cambridge

Solicitor: MSA Professional Services - Madison

02/13/2025 10:00 AM CST

MSA Project #09310031

						Van Ert El
Section Title	Line Item	Item Code	Item Description	UofM	Quantity	Unit Price
General						
	1	1	Wellhouse #2 Standby Generator Improvements, Complete	LS	1	$148,981.50
Allowance						
	2	2	Section 01 21 00 - Utility Service Allowance	LS	1	$10,000.00
			Allowance Total:			
			Base Bid Total:			
			Base Bid + Allowance Total:			

lectric	WIL-surge Electric, Inc		Pieper Electric, Inc.- New Berlin	
Extension	Unit Price	Extension	Unit Price	Extension
$148,981.50	$182,900.00	$182,900.00	$189,505.00	$189,505.00
$10,000.00	$10,000.00	$10,000.00	$10,000.00	$10,000.00
$10,000.00		**$10,000.00**		**$10,000.00**
$158,981.50		**$192,900.00**		**$199,505.00**
$168,981.50		**$202,900.00**		**$209,505.00**

From: Account Nbr: 020-0053-00 Route/Seq Nbr: Pressure Zone Cd:
Thru: 020-0053-00

Account Nbr: 020-0053-00 Customer Name: RINGEN, HOLLY
Service Address: 219 W. MAIN
PSC Classification: Commercial

Meter Nbr: 34290042 Rate Type: 5/8" OR 3/4" Install Date: 1/03/2003
Route/Seq Nbr: 00-2053 Location: Pressure Zone Cd: 00
ROM Serial Nbr: ROM Install Date:
Register ID: 34290042 MXU/MIU ID: 4363344
Utilities: SEWER WATER
Memos: 1st: New meter - Senus it's in utility clost in back of
2nd: store. Outside pad on s. wall in window frame
3rd:

Read Date	Reading	Consumption	Comment
2/03/2025	613000	85000	Remote Reading
1/02/2025	528000	1000	
12/03/2024	527000	0	Remote Reading
10/31/2024	527000	0	Remote Reading
10/01/2024	527000	0	Remote Reading
9/03/2024	527000	1000	Remote Reading
8/01/2024	526000	0	Remote Reading
7/01/2024	526000	0	Remote Reading
5/30/2024	526000	1000	Remote Reading
5/01/2024	525000	0	Remote Reading
4/01/2024	525000	0	Remote Reading
2/29/2024	525000	1000	Remote Reading
2/01/2024	524000	0	Remote Reading
1/02/2024	524000	0	Remote Reading
11/30/2023	524000	0	Remote Reading
11/01/2023	524000	0	Remote Reading
10/02/2023	524000	0	Remote Reading
8/30/2023	524000	0	Remote Reading
8/01/2023	524000	1000	Remote Reading
7/03/2023	523000	0	Remote Reading
6/01/2023	523000	0	Remote Reading
5/01/2023	523000	0	Remote Reading
4/03/2023	523000	0	Remote Reading
3/02/2023	523000	0	Remote Reading
2/01/2023	523000	0	Remote Reading
1/03/2023	523000	0	Remote Reading
12/01/2022	523000	0	Remote Reading
11/01/2022	523000	0	Remote Reading

2/13/2025 11:05 AM

Account History - Summary
ALL Transactions

Page: 1
UTIL

Post Date: From: 2/14/2024 Account Nbr: From: 020-0053-00 Group Cd: From:
Thru: Thru: 020-0053-00 Thru:

Account Nbr: 020-0053-00 Name: RINGEN, HOLLY

2/13/2024 - Balance: 142.32

Post Date	Trans Date	Type	Trans ID	Amount	Running Balance
					142.32
2/15/2024	2/15/2024	Receipt	CASH	-143.00	-0.68
2/29/2024	3/01/2024	Bill		70.69	70.01
3/26/2024	3/26/2024	Late Charge		0.70	70.71
4/02/2024	4/01/2024	Bill		47.78	118.49
4/25/2024	4/25/2024	Late Charge		1.18	119.67
5/01/2024	5/01/2024	Bill		47.78	167.45
5/09/2024	5/09/2024	Receipt	CASH	-167.45	0.00
5/31/2024	5/30/2024	Bill		83.18	83.18
6/20/2024	6/20/2024	Receipt	CASH	-83.21	-0.03
7/01/2024	7/01/2024	Bill		53.50	53.47
7/24/2024	7/24/2024	Late Charge		0.53	54.00
8/01/2024	8/01/2024	Bill		53.50	107.50
8/21/2024	8/21/2024	Receipt	CASH	-107.50	0.00
9/03/2024	9/03/2024	Bill		83.18	83.18
9/24/2024	9/23/2024	Receipt	CASH	-83.18	0.00
10/02/2024	10/02/2024	Bill		53.50	53.50
10/24/2024	10/24/2024	Late Charge		0.54	54.04
10/31/2024	10/31/2024	Bill		53.50	107.54
11/25/2024	11/25/2024	Late Charge		1.07	108.61
12/04/2024	12/03/2024	Bill		53.50	162.11
12/30/2024	12/30/2024	Late Charge		1.62	163.73
1/02/2025	1/02/2025	Bill		83.18	246.91
1/10/2025	1/09/2025	Receipt	CASH	-247.00	-0.09
2/03/2025	2/03/2025	Bill		2,567.32	2,567.23

020-0053-00 - Ending Balance: 2,567.23