

CITY OF OAK CREEK WATER & SEWER UTILITY

OFFICIAL NOTICE

PLEASE TAKE NOTICE that the Water and Sewer Utility Commission will meet at the Oak Creek Water & Sewer Utility, 170 West Drexel Avenue, Oak Creek, Wisconsin, 53154 on Tuesday, May 8, 2018, at 9:00 am.

The purpose of this meeting will be to discuss the topics listed on the attached agenda.

It is possible that members of and possibly a quorum of members of our governmental bodies of the municipality may be in attendance at the above-stated meeting to gather information; no action will be taken by any governmental body at the above-stated meeting other than the governmental body specifically referred to above in this notice.

PUBLIC NOTICE

Please Note: Upon reasonable notice, a good faith effort will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aid at no cost to the individual to participate in public meetings. Due to the difficulty in finding interpreters, requests should be made as far in advance as possible, preferably a minimum of 48 hours. For additional information or to request this service, contact the Oak Creek City Clerk at 414-766-7023 or write to the ADA Coordinator at the Health Department, City Hall, 8040 South 6th Street, Oak Creek, Wisconsin, 53154.

DATED, at Oak Creek, Wisconsin, this the 3rd day of May, 2018.

/s/ Michael J. Sullivan
General Manager

A G E N D A
WATER AND SEWER UTILITY COMMISSIONERS
CITY OF OAK CREEK

<u>TIME</u>	<u>DATE</u>	<u>LOCATION</u>
9:00 am	Tuesday May 8, 2018	Headquarters Building 170 West Drexel Avenue

1.0 OPENING OF MEETING

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 04-10-18

2.0 CLOSED SESSION

- 2.1 Closed session in accordance with Section 19.85 (1) (e) and (g) of the Wisconsin State Statutes for the following purpose:
 - A. Water Quality Improvement Project
 - B. Franklin Water Sales Agreement Extension

3.0 PROJECT APPROVALS

- 3.1 Project 18053 Rawson Avenue Business Center Public Utilities

4.0 MISCELLANEOUS MATTERS

5.0 FINANCIAL MATTERS

- 5.1 Project Payment Approval
- 5.2 Voucher Approval
- 5.3 Utility Investments
- 5.4 Financial Statements

6.0 ADMINISTRATIVE & OPERATIONS REPORTS

- 6.1 Aldermanic Report
- 6.2 Administrative Operations Report
- 6.3 Engineering Operations Report
- 6.4 Distribution Operations Report
- 6.5 Plant Operations Report
- 6.6 Manager's Report

7.0 ADJOURN



OAKCREEK
— WISCONSIN —

ENGINEERING
DEPARTMENT

April 27, 2018

Ronald J. Pritzlaff, P.E., Utility Engineer
Oak Creek Water & Sewer Utility
170 W. Drexel Avenue
Oak Creek, WI 53154

Re: Utility Commission Approval Requests for May 2018
City of Oak Creek Project No. 18053

Dear Mr. Pritzlaff:

Please review and have the Utility Commission act on this project at its next regularly scheduled meeting.

Rawson Avenue Business Center at 140 E. Rawson Avenue. This will add new public water main and private interceptor sanitary sewer to serve 2 – 46,840 SF buildings and (1) 48,840 SF building.

Project No. 18053 Rawson Avenue Business Center (Developer Funded)

Water Main
370 LF of 12" C-900 PVC water main
1 EA 12" Valve
Appurtenances
Connection to existing water main
Estimated project cost \$28,500

Sanitary Sewer
640 LF of 10" SDR-35 PVC sanitary sewer
2 EA 48" Precast Concrete Manholes
Connection to existing sanitary
Appurtenances
Estimated project cost \$62,400

If you have any questions, please call me at (414) 766-7038. Thank you for your prompt attention to this matter.

Sincerely,

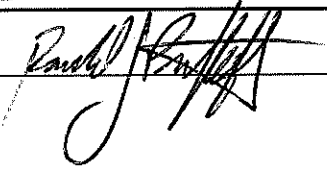
Brian L. Johnston, P.E.
Assistant City Engineer

**OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT**

PROJECT NO. 17105-2017 Sanitary Rehab Project

Item No.	Item Description	Bid		Visu-Sewer, Inc W230 N4855 Betker Dr. Pewaukee, WI 53072		Partial Payment No. 1 May 8th, 2018		PROJECT TOTAL	
		Quantity	EA	Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	PVC Sanitary Sewer Spot Repair (5-10LF)	4	EA	\$7,875.00	\$31,500.00	4.00	\$31,500.00	4.00	\$31,500.00
2	PVC Sanitary Sewer Spot Repair (10-15LF)	4	EA	\$10,500.00	\$42,000.00	4	\$42,000.00	4.00	\$42,000.00
3	6-Inch PVC Sanitary Lateral Relay	34	LF	\$417.00	\$14,178.00	24.00	\$10,008.00	24.00	\$10,008.00
4	6-Inch PVC Sanitary Riser Lateral Relay	29	VF	\$490.00	\$14,210.00	15	\$7,350.00	15.00	\$7,350.00
5	8-Inch CIPP Liner	3,866	LF	\$22.85	\$88,338.10	3,385.00	\$77,347.25	3,385.00	\$77,347.25
6	10-Inch CIPP Liner	152	LF	\$44.20	\$6,718.40	152	\$6,718.40	152.00	\$6,718.40
7	12-Inch CIPP Liner	123	LF	\$62.00	\$7,626.00	123	\$7,626.00	123.00	\$7,626.00
8	15-Inch CIPP Liner	66	LF	\$152.00	\$10,032.00	-	\$0.00	-	\$0.00
9	18-Inch CIPP Liner	1,089	LF	\$44.50	\$48,460.50	1,067	\$47,481.50	1,067.00	\$47,481.50
10	21-Inch CIPP Liner	1,335	LF	\$60.00	\$80,100.00	-	\$0.00	-	\$0.00
11	24-Inch CIPP Liner	163	LF	\$164.00	\$26,732.00	-	\$0.00	-	\$0.00
12	30-Inch CIPP Liner	256	LF	\$162.30	\$41,548.80	-	\$0.00	-	\$0.00
13	8-Inch CIPP Short Liner	14	LF	\$338.00	\$4,732.00	-	\$0.00	-	\$0.00
14	10-Inch CIPP Short Liner	32	LF	\$250.00	\$8,000.00	-	\$0.00	-	\$0.00
15	12-Inch CIPP Short Liner	10	LF	\$467.00	\$4,670.00	-	\$0.00	-	\$0.00
16	8-Inch PVC Sanitary Sewer Relay	156	LF	\$242.00	\$37,752.00	156	\$37,752.00	156.00	\$37,752.00
17	10-Inch PVC Permitted Sanitary Sewer	90	LF	\$278.00	\$25,020.00	-	\$0.00	-	\$0.00
18	8-Inch PVC-C900 Sanitary Sewer Relay	41	LF	\$655.00	\$26,855.00	-	\$0.00	-	\$0.00
19	10-Inch PVC-C900 Sanitary Sewer Relay	40	LF	\$665.00	\$26,600.00	20	\$13,300.00	20.00	\$13,300.00
20	12-Inch PVC Sanitary Sewer	14	LF	\$849.00	\$11,886.00	14.00	\$11,886.00	14.00	\$11,886.00
21	Test & Seal Lateral Connections	70	EA	\$300.00	\$21,000.00	-	\$0.00	-	\$0.00
22	Sanitary Manhole Abandonment	4	EA	\$630.00	\$2,520.00	5.00	\$3,150.00	5.00	\$3,150.00
23	Sanitary Sewer Abandonment	1,223	LF	\$11.00	\$13,453.00	865.00	\$9,515.00	865.00	\$9,515.00
24	48" Dia Precast Sanitary Sewer Manhole	20	VF	\$420.00	\$8,400.00	10.00	\$4,200.00	10.00	\$4,200.00
25	Sewer Manhole Bench Adjustment	2	EA	\$683.00	\$1,366.00	1.00	\$683.00	1.00	\$683.00
26	Sanitary Sewer Relay Trench EBS	97	CY	\$105.00	\$10,185.00	-	\$0.00	-	\$0.00
27	Dense Graded Base (3")	211	TON	\$11.00	\$2,321.00	-	\$0.00	-	\$0.00
TOTAL ITEMS 1-27 (Inclusive)					\$580,478.80		\$296,119.15		\$296,119.15

Sub-Total Completed To Date		\$296,119.15
Less Allowance for testing and approval	10%	-\$29,611.92
Less Retainage (5% to 50% complete)	5%	-\$13,325.36
Total		\$253,181.87
Less Previous Payments		\$0.00
TOTAL PAYMENT DUE THIS PERIOD		\$253,181.87

Recommended for Commission Approval by:  Date: 4/30/18

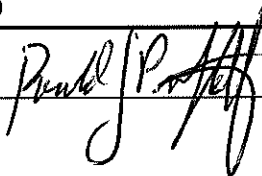
**OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT**

PROJECT NO. 18101- South 13th Street Utility Modification Project

		Cornerstone Plumbing, LLC 20865 Enterprise Avenue, Brookfield, WI 53045			Partial Payment No. 1 May 8th, 2018		PROJECT TOTAL		
Item No.	Item Description	Bid Quantity	Unit	Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	Manhole Cone Adjustment	6	EA	\$3,156.00	\$18,936.00	6.00	\$18,936.00	6.00	\$18,936.00
2	Rebuild Manhole	7	EA	\$3,366.00	\$23,562.00	2	\$6,732.00	2.00	\$6,732.00
3	Hydrant Alteration	5	EA	\$12,522.00	\$62,610.00	5.00	\$62,610.00	5.00	\$62,610.00
4	Reconnect Hydrant	1	EA	\$25,522.00	\$25,522.00		\$0.00	-	\$0.00
5	Hydrant Extension	9.5	VF	\$620.00	\$5,890.00	8.50	\$5,270.00	8.50	\$5,270.00
6	Water Service Abandonment	1	EA	\$4,132.00	\$4,132.00	1	\$4,132.00	1.00	\$4,132.00
7	Erosion Control	1	LS	\$1,490.00	\$1,490.00	1	\$1,490.00	1.00	\$1,490.00
8	Traffic Control	1	LS	\$1,206.00	\$1,206.00	1.00	\$1,206.00	1.00	\$1,206.00
TOTAL ITEMS 1-8 (inclusive)					\$143,348.00		\$100,376.00		\$100,376.00

Sub-Total Completed To Date	\$100,376.00
Less Allowance for testing and approval	5% -\$5,018.80
Less Retainage (5% to 50% complete)	5% -\$3,583.70
Total	\$91,773.50
Less Previous Payments	\$0.00

TOTAL PAYMENT DUE THIS PERIOD	\$91,773.50
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Recommended for Commission Approval by:  Date: 4/30/18

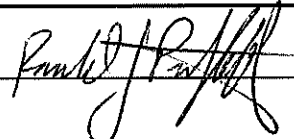
**OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT**

PROJECT NO. 18102- Puetz Road Water Main Relay

				The Wanasek Corp. 29606 Durand Ave, Burlington, WI 53105		Partial Payment No. 1 May 8th, 2018		PROJECT TOTAL	
Item No.	Item Description	Bid Quantity		Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	12" PVC Water Main, 1-1/4" T.B.B.F.	1,067	LF	\$112.00	\$119,504.00	1,057.00	\$118,384.00	1,057.00	\$118,384.00
2	8" PVC Water Main, 1-1/4" T.B.B.F.	16	LF	\$206.00	\$3,296.00	10	\$2,060.00	10.00	\$2,060.00
3	Connect to Existing 12" Water Main	2	EA	\$4,590.00	\$9,180.00	1.00	\$4,590.00	1.00	\$4,590.00
4	Connect to Existing 8" Water Main	1	EA	\$2,325.00	\$2,325.00		\$0.00	-	\$0.00
5	Hydrant, Lead and 6-inch Gate Valve	1	EA	\$7,475.00	\$7,475.00	1.00	\$7,475.00	1.00	\$7,475.00
6	12" Gate Valve	6	EA	\$2,975.00	\$17,850.00	6	\$17,850.00	6.00	\$17,850.00
7	8" Gate Valve	1	EA	\$1,705.00	\$1,705.00		\$0.00	-	\$0.00
8	1-1/4" Water Service Lateral Reconnection	10	EA	\$1,220.00	\$12,200.00	9.00	\$10,980.00	9.00	\$10,980.00
9	Asphalt Pavement Removal	1,457	SY	\$4.00	\$5,828.00	965	\$3,860.00	965.00	\$3,860.00
10	HMA Pavement, 3LT 58-28 S, 19.0mm Lower Layer	229	TON	\$76.00	\$17,404.00		\$0.00	-	\$0.00
11	HMA Pavement, 4LT 58-28 S, 12.5mm Upper Layer	159	TON	\$76.00	\$12,084.00		\$0.00	-	\$0.00
12	1-1/4" Dense Graded Base Course	52	TON	\$32.00	\$1,664.00		\$0.00	-	\$0.00
13	Stone Shoulder, 3/4" T.B.	106	TON	\$53.00	\$5,618.00		\$0.00	-	\$0.00
14	Sawing Existing Pavement Full Depth	1,174	LF	\$1.50	\$1,761.00		\$0.00	-	\$0.00
15	Excavation Below Base, 1-1/4" Dense Graded Limestone	48	TON	\$45.00	\$2,160.00		\$0.00	-	\$0.00
16	Excavation Below Base, Breaker Run Base Course	48	TON	\$45.00	\$2,160.00		\$0.00	-	\$0.00
17	Pavement Marking, Epoxy, White 4-inch Edge Line	947	LF	\$1.50	\$1,420.50		\$0.00	-	\$0.00
18	Pavement Marking, Epoxy, Yellow 4-inch Broken Centerline	339	LF	\$1.50	\$508.50		\$0.00	-	\$0.00
19	Pavement Marking, Epoxy, Yellow 4-inch Double Centerline	343	LF	\$3.00	\$1,029.00		\$0.00	-	\$0.00
20	Restoration of Lawns and Parkways	1	LS	\$2,235.00	\$2,235.00		\$0.00	-	\$0.00
21	Erosion Control	1	LS	\$230.00	\$230.00	1.00	\$230.00	1.00	\$230.00
22	Traffic Control	1	LS	\$7,000.00	\$7,000.00	1.00	\$7,000.00	1.00	\$7,000.00
TOTAL ITEMS 1-22 (inclusive)					\$234,637.00		\$172,429.00		\$172,429.00

Sub-Total Completed To Date		\$172,429.00
Less Allowance for testing and approval	10%	-\$17,242.90
Less Retainage (5% to 50% complete)	5%	-\$5,865.93
Total		\$149,320.17
Less Previous Payments		\$0.00

TOTAL PAYMENT DUE THIS PERIOD \$149,320.17

Recommended for Commission Approval by:  Date: 4/30/18

ADMINISTRATIVE OPERATIONS

April 2018

Year End:

Accounting Supervisor Stenzel worked on the preparation of the Utility's Comprehensive Annual Financial Report. After Baker Tilly's review and issuance of their audit opinion letter, this report will be printed and assembled in-house.

Meetings:

Accounting Supervisor Stenzel attended the American Water Works Association regional meeting of section officers in Detroit, MI on April 12-14.

Accounting Supervisor Stenzel attended a Wisconsin Section of the American Water Works Association management committee meeting on April 18 to help plan their August seminar.

Workload:

Other administrative tasks included the following:

1. Added 3 customer accounts for the month.
2. Billed 908 water customers and 937 sewer customers.

Gallons Billed (in thousands):

	YTD 2018	YTD 2017	YTD 2016	YTD 2015	YTD 2014	Average
Residential	106,680	104,594	103,908	104,815	107,131	105,426
Commercial	132,991	145,579	137,284	137,610	137,797	138,252
Industrial	153,974	127,593	118,495	125,925	127,724	130,742
Public Authority	3,193	3,177	4,379	5,596	4,406	4,150
Wholesale	448,815	441,170	478,915	503,032	489,590	472,304
Total	845,653	822,113	842,981	876,978	866,648	850,874
% Change to Prior Year	2.9%	-2.5%	-3.9%	1.2%	N/A	
% Change to Average	-0.6%	-3.4%	-0.9%	3.1%	1.9%	

New Customers:

	YTD 2018	YTD 2017	YTD 2016	YTD 2015	YTD 2014	Average
Residential	14	4	8	10	8	8.8
Commercial	7	6	7	2	1	4.6
Industrial	0	0	0	1	0	0.2
Public Authority	0	0	0	1	0	0.2
Wholesale	0	0	0	0	0	-
Total	21	10	15	14	9	13.8

New Residential Customer (YTD 2018):

8219 S. Alisa Lane, 8223 S. Alisa Lane, 375 E. Lily Drive, 2300 W. Southland Drive, 9441 S. Nicholson Road, 165 E. Golden Lane, 1101 E. Wildflower Drive, 10130 S. Barrington Drive, 990 E. Peach Tree Lane, 1880 E. Lilac Lane, 1930 E. Lilac Lane, 10390 S. Willow Creek Drive,

New Commercial Customers (YTD 2018):

Drexel Square Hotel, HSI Drexel Ridge (4 accounts), Storage Shop USA, IKEA

ENGINEERING OPERATIONS

April 2018

Water Quality Improvement Project

The Public Service Commission of Wisconsin (PSC) hearing under the construction authorization docket for the Water Quality Improvement project is complete. All parties have submitted final legal briefs summarizing their position. Representatives from the Utility, in conjunction with legal council, will soon be drafting and submitting the final decision matrix, thus completing the record in the case. The Utility anticipates that the PSC will rule on the construction authorization no later than the last week in May.

Puetz Road Water Main Relay

This project is well underway. The contractor has completed mainline construction and water services. They will complete the connection on the east end of the project the first week in May followed by grading and asphalt work into the second week in May. Weather permitting, Engineering anticipates that this project will be complete by the end of May.

2017 Sanitary Sewer Rehabilitation

The contractor Visu-Sewer, has completed all of the underground excavation work and most of the small-diameter sanitary sewer pipe lining. Remaining work includes lining the larger diameter sanitary sewer pipes, and completing both manhole and sanitary sewer abandonments. Engineering anticipates that the contract will be complete in the next 60 days.

South 13th Street Utility Modifications

Cornerstone Plumbing is substantially complete with this project. After working through some changes in the onsite electric and fiber utilities, they were able to work without interruption and complete the project. They will return for punch-list items and final restoration where needed.

I-94 Paving

Plans and specifications for this project are complete. This project will mitigate conflicts with WisDOT's I-94 paving between County Line Road and College Avenue. The Utility found one area in which a new 24" water main pipe will need to be constructed under I-94 at Puetz Road. Plans and specifications have been sent to WDNR permitting.

At this point, WisDOT does not know if this work will be funded. They are anticipating receiving grant money from the U.S. Department of Transportation but have not received it yet. An agreement is in place to get compensated for the design work (90%) should they fail to receive funding.

Phase II Glen Crossing

Both the sanitary sewer and water main have been constructed. The contractor is now proceeding with testing.

Fed Ex Terminal

The public portion of the water main is complete between Opus Drive and Oakwood Road. The contractor is proceeding with testing followed by the construction of private water main and services. The public portion of this project should be complete in the next three weeks.

DISTRIBUTION & COLLECTION OPERATIONS

April 2018

Water Main Breaks:

On April 20th a crew was called in at 8:00 p.m. to repair a water main at 8860 South Shepard Avenue. When the crew excavated the 16" DIP, a blow hole was found. The repair was made and while pressurizing the main, another break occurred 3' south of first break. The second repair was completed and the main was put back in service. The main was installed in 1964.

On April 25th the Utility assisted Wanasek Corporation in the 3700 block of East Puetz Road to repair the existing 12" DIP that is being relayed. Wanasek was working on completing the lateral reconnections when the old main had two blow holes develop.

Water Lateral Repairs:

There were no water lateral repairs in the month of April.

Valve Repairs:

On April 12th a crew was sent to 4010 East Lake Vista Drive to repair a 6" gate valve. When the crew excavated the valve, it was found that the pipe gasket on the valve was leaking. After removing a piece of the 6" hydrant lead to investigate the cause of the leak, the crew discovered that the pipe gasket was installed incorrectly. A new gasket was installed and the hydrant lead repaired. This was installed in 2015.

On April 24th a crew was sent to 9775 South Shepard Drive to repair an 8" gate valve that was leaking. When the crew excavated the valve, it was found that the bonnet bolts were corroded away. The bonnet and packing bolts were replaced. The valve was installed in 1977.

Fire Hydrant Repairs:

On April 26th a crew was sent to 10520 South McGraw Drive to repair a Glow fire hydrant that would not shut off. The main valve rubber was replaced and the hydrant put back in service.

On April 27th a crew was sent to East Meadowview Drive and South McGraw Drive to repair a Mueller fire hydrant. They replaced the lower shaft that was badly corroded and broken.

Annual Hydrant Flushing:

Distribution crew started the annual flushing and greasing of 1004 fire hydrants, sampling 113 for chlorine residuals. Also, crews are completing directional flushing of water mains in sections of the city.

Sewer Repairs:

In the month of April Utility Workers performed 23 maintenance tasks including: grouting, flowline and chimney repairs, along with cleaning and televising of mains.

PLANT OPERATIONS

April, 2018

PUMPAGE REPORT	2018	2017	% Change	5yr %
Monthly pumpage	201,847,000	199,750,000	+1.0	-2.0
Monthly average day	6,728,000	6,658,000	+5.0	-2.0
Monthly peak day	(4/23)10,040,000	(4/27)7,750,000	+22.8	+15.3
Yearly pumpage	806,737,000	782,250,000	+3.8	-1.4
Yearly average day	6,723,000	6,519,000	+3.9	-1.2
Yearly peak day	(4/23)10,040,000	(2/20) 7,850,000	+20.9	+10.4
West zone pumpage	88,930,000	90,200,000	-1.4	-6.15

WATER QUALITY REPORT	Raw Water	Finished Water
Average free chlorine		1.60 mg/l
Total chlorine		1.75 mg/l
Average alkalinity	108.5 mg/l	108.7 mg/l
Average pH	8.2	8.1
Average fluoride	0.14 mg/l	0.72 mg/l
Average turbidity	8.16 N.T.U.	0.04 N.T.U.
Average temperature	39.5 °F	
Hardness	137 mg/l	137 mg/l

Preventative Maintenance Tasks: Staff completed 130 preventative maintenance tasks, 5 miscellaneous work orders, and 2 safety sessions during the month.

Treatment Ops Seminar: Operators Muschinski, Klees, Messerschmidt, Krueger and Acting Plant Manager Robe attended the Treatment Ops Seminar in Oak Creek on 4-12-18. Some of the topics at the seminar were: water treatment around the great lakes, residuals management, algal toxins and filter maintenance.

Operator Position: Two candidates were selected to take the pre-employment assessment. The results for both candidates were very positive.

