

## **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, September 15, 2015, 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 768-6511, (FAX) 768-9587, (TDD) 768-6513 or by writing to the ADA Coordinator at the Health Department, City Hall, 8640 South Howell Avenue, Oak Creek, Wisconsin, 53154.

**DATED,** at Oak Creek, Wisconsin, this the 10th day of September, 2015.

/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 September 15, 2015	Headquarters Building 170 West Drexel Avenue

**1.0 OPENING OF MEETING**

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 08-11-15

**2.0 FINANCIAL MATTERS**

- 2.1 Change Order #2 Cedar Hills Water Main Relay
- 2.2 Project Payment Approvals
- 2.3 Voucher Approval
- 2.4 Utility Investments

**3.0 ADMINISTRATIVE & OPERATIONS REPORTS**

- 3.1 Aldermanic Report
- 3.2 Plant Operations Report
- 3.3 Distribution Operations Report
- 3.4 Administrative Operations Report
- 3.5 Engineering Operations Report
- 3.6 Manager's Report

**4.0 PROJECT APPROVALS**

- 4.1 West Minnesota Avenue Sewer and Water Service Petition

**5.0 MISCELLANEOUS MATTERS**

- 5.1 Approve Street Light at Raw Water Drive

**6.0 EXECUTIVE SESSION**

- 6.1 Executive session in accordance with Section 19.85 (1) (e) of the Wisconsin State Statutes for the following purpose:
  - a. Purchase of Property at 3953 East American Avenue
- 6.2 Reconvene into open session
- 6.3 Take action, if required

**7.0 ADJOURN**

**CHANGE ORDER AUTHORIZATION  
CHANGE ORDER NO. 2  
PROJECT NO. 14102**

Cedar Hills Water Main Relay

INITIATED BY THE OAK CREEK WATER AND SEWER UTILITY  
DATE INITIATED: September 4, 2015

Work authorization for furnishing the necessary labor, materials and equipment to perform the following:


ITEM NO.	ITEM DESCRIPTION	QUANTITY UNIT	UNIT PRICE	COST
E-2	Sub-grade improvements	1 LS	\$14,381.99	\$14,381.99
	<b>TOTAL CHANGE ORDER</b>			<b>\$14,381.99</b>

E = Contract Extra, C = Contract Credit

This work, performed under the Cedar Hills Water Main Relay contract, is hereby agreed upon and has been performed as indicated under the contract for Project No. 14102, Change Order No. 2 for contract extras with a total net cost of \$14,381.99

UPI LLC

Oak Creek Water & Sewer Utility

  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

Mike Dretzka  
\_\_\_\_\_  
Accepted by (print name)

\_\_\_\_\_  
Accepted by (print name)

9/4/15  
\_\_\_\_\_  
Date Accepted

\_\_\_\_\_  
Date Accepted

OAK CREEK WATER AND SEWER UTILITY  
PROGRESS PAYMENT

PROJECT NO. 15101 - 27th Street Hydrant Relocations and Water Main Relay

Item No.	Item Description	MJ Construction		Partial Payment 1 April 14, 2015		Partial Payment 2 May 12, 2015		Partial Payment 3 June 16, 2015		Partial Payment 4 July 14, 2015		Partial Payment 5 August 11, 2015		Partial Payment 6 September 8, 2015		Total Complete	
		Quantity	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	12" PVC Water Main, Gran. B.F., Pavement Restoration	210	\$30,030.00	-	\$0.00	-	\$0.00	179.00	\$25,597.00	0	\$0.00	0	\$0.00	0	\$0.00	246.00	\$35,178.00
2	12" PVC Water Main, Gran. B.F., Turf Rest.	350	\$41,650.00	8.00	\$952.00	-	\$0.00	0	\$0.00	159.40	\$18,968.60	0	\$0.00	173.30	\$20,622.70	340.70	\$40,543.30
3	12" PVC Water Main, Slurry B.F.	545	\$95,375.00	-	\$0.00	-	\$0.00	0	\$0.00	-	\$0.00	0	\$0.00	80.30	\$14,052.50	530.30	\$92,802.50
4	16" D.I. Water Main, Gran. B.F., Asphalt Rest.	75	\$16,500.00	72.00	\$15,840.00	-	\$0.00	0	\$0.00	-	\$0.00	0	\$0.00	0	\$0.00	72.00	\$15,840.00
5	16" D.I. Water Main, Gran. B.F., Turf Rest.	972	\$184,680.00	88.00	\$16,720.00	670.00	\$127,300.00	203.60	\$38,684.00	0	\$0.00	0	\$0.00	0	\$0.00	961.60	\$182,704.00
6	16" D.I. Water Main, Slurry B.F.	55	\$215.00	-	\$0.00	-	\$0.00	38.00	\$8,170.00	-	\$0.00	0	\$0.00	0	\$0.00	38.00	\$8,170.00
7	16" Butterfly Valve	2	\$6,200.00	-	\$0.00	1.00	\$3,100.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2.00	\$6,200.00
8	12" Gate Valve	6	\$15,600.00	1.00	\$2,600.00	-	\$0.00	1.00	\$2,600.00	0	\$0.00	0	\$0.00	3.00	\$7,800.00	6.00	\$15,600.00
9	Hydrant Assembly	8	\$2,200.00	-	\$0.00	3.00	\$6,600.00	1.00	\$2,200.00	0	\$0.00	2.00	\$4,400.00	1.00	\$2,200.00	8.00	\$17,600.00
10	Connect to Existing 12" Water Main	7	\$6,000.00	1.00	\$6,000.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	5.00	\$30,000.00	7.00	\$42,000.00
11	Connect to Existing 16" Water Main	6	\$7,300.00	-	\$0.00	1.00	\$7,300.00	3.00	\$21,900.00	0	\$0.00	0	\$0.00	0	\$0.00	6.00	\$43,800.00
12	Connect to Existing 20" Water Main	1	\$12,400.00	-	\$0.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1.00	\$12,400.00	1.00	\$12,400.00
13	Temporary Hydrant Extensions	13	\$580.00	3.50	\$2,030.00	1.00	\$580.00	0	\$0.00	0	\$0.00	0	\$0.00	6.00	\$3,480.00	10.50	\$6,090.00
14	Hydrant Extensions	37	\$480.00	1.00	\$480.00	1.50	\$720.00	0	\$0.00	0	\$0.00	0	\$0.00	8.00	\$3,840.00	10.50	\$5,040.00
15	1-1/4" HDPE Water Service	1	\$4,300.00	-	\$0.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1.00	\$4,300.00	1.00	\$4,300.00
16	6" PVC Water Service	1	\$7,500.00	-	\$0.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1.00	\$7,500.00	1.00	\$7,500.00
17	8" PVC Water Service	1	\$9,200.00	-	\$0.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
18	Hydrant Alteration - Reuse Existing Hydrant	10	\$63,000.00	11.00	\$69,300.00	-	\$0.00	0	\$0.00	0	\$0.00	1.00	\$6,300.00	0	\$0.00	12.00	\$75,600.00
19	Hydrant Alteration - Furnish and Install New Hydrant	5	\$9,950.00	3.00	\$29,850.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1.00	\$9,950.00	4.00	\$39,800.00
20	Hydrant Relocation - Reuse Existing Hydrant	3	\$9,500.00	1.50	\$14,250.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1.50	\$14,250.00	3.00	\$28,500.00
21	Hydrant Relocation - Furnish and Install New Hydrant	5	\$10,950.00	3.50	\$38,325.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0.50	\$5,475.00	4.00	\$43,800.00
22	Hydrant Abandonment	8	\$1,500.00	-	\$0.00	3.00	\$4,500.00	0	\$0.00	0	\$0.00	0	\$0.00	4.00	\$6,000.00	8.00	\$12,000.00
23	Abandoning Sanitary Force Main Manholes	3	\$1,000.00	-	\$0.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	3.00	\$3,000.00
24	Erosion Control	1	\$200.00	0.25	\$50.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0.25	\$50.00	1.00	\$200.00
25	Traffic Control	1	\$300.00	0.00	\$0.00	-	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0.50	\$150.00	1.00	\$300.00
<b>TOTAL (Items 1-25)</b>				<b>\$774,460.00</b>	<b>\$196,397.00</b>	<b>\$150,100.00</b>	<b>\$101,533.60</b>	<b>\$59,167.00</b>	<b>\$89,700.00</b>	<b>\$142,070.20</b>	<b>\$738,967.80</b>	<b>\$0.00</b>	<b>\$738,967.80</b>	<b>-\$19,361.50</b>	<b>\$719,606.30</b>	<b>-\$517,846.34</b>	<b>\$201,759.96</b>

Total Completed To Date \$738,967.80  
 Allowance for Testing and Approval (0% of Total Completed to Date) \$0.00  
 Subtotal 1 (Total Complete minus Allowance for Testing and Approval) \$738,967.80  
 Retainage (5% of Subtotal 1 up to a Maximum of \$19,361.50) -\$19,361.50  
 Subtotal 2 (Subtotal 1 Less Retainage) \$719,606.30  
 Less Previous Payments -\$517,846.34  
**TOTAL PAYMENT DUE THIS PERIOD \$201,759.96**


Recommended for Commission Approval by:  Date: 9-4-15

OAK CREEK WATER AND SEWER UTILITY PROGRESS PAYMENT

PROJECT NO. 14102 - Cedar Hills Water Main Relay

Item No.	Item Description	Quantity	UPI LLC		Partial Payment 1 April 14, 2015		Partial Payment 2 May 12, 2015		Partial Payment 3 June 9, 2015		Partial Payment 4 July 14, 2015		Partial Payment 5 August 11, 2015		Partial Payment 6 September 8, 2015		Total Complete	
			Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	12-inch PVC Water Main, Slurry B.F.	15 LF	\$208.00	\$3,120.00	15.00	\$3,120.00	-	\$0.00	-	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	15.00	\$3,120.00
2	12-inch PVC Water Main, 3/4-inch T.B.B.F.	1,770 LF	\$105.00	\$185,850.00	617.39	\$64,824.90	-	\$0.00	-	\$0.00	1,090.92	\$114,546.60	70.96	\$7,450.80	0.00	\$0.00	1,779.26	\$186,822.30
3	8-inch PVC Water Main, 3/4-inch T.B.B.F.	7,710 LF	\$77.00	\$593,670.00	2630.25	\$202,529.25	414.09	\$31,884.93	3284.56	\$251,371.12	1,367.32	\$105,283.64	34.75	\$2,675.75	0.00	\$0.00	7,710.37	\$593,744.69
4	Connect to Existing 6-inch Water Main	2 EA	\$4,600.00	\$9,200.00	-	\$0.00	-	\$0.00	-	\$0.00	1.00	\$4,600.00	1.00	\$4,600.00	0.00	\$0.00	2.00	\$9,200.00
5	Connect to Existing 8-inch Water Main	2 EA	\$4,600.00	\$9,200.00	-	\$0.00	1.00	\$4,600.00	-	\$0.00	-	\$0.00	1.00	\$4,600.00	0.00	\$0.00	2.00	\$9,200.00
6	Connect to Existing 12-inch Water Main	3 EA	\$7,000.00	\$21,000.00	1.00	\$7,000.00	-	\$0.00	-	\$0.00	1.00	\$7,000.00	2.00	\$14,000.00	0.00	\$0.00	4.00	\$28,000.00
7	Hydrant, Load, and 6-inch Gate Valve	23 EA	\$5,400.00	\$124,200.00	9.00	\$48,600.00	1.00	\$5,400.00	7.00	\$37,800.00	7.00	\$37,800.00	0.00	\$0.00	0.00	\$0.00	24.00	\$129,600.00
8	8-inch Gate Valve	26 EA	\$1,400.00	\$36,400.00	12.00	\$16,800.00	-	\$0.00	9.00	\$12,600.00	2.00	\$2,800.00	0.00	\$0.00	0.00	\$0.00	23.00	\$32,200.00
9	12-inch Gate Valve	10 EA	\$2,700.00	\$27,000.00	4.00	\$10,800.00	-	\$0.00	-	\$0.00	5.00	\$13,500.00	1.00	\$2,700.00	0.00	\$0.00	10.00	\$27,000.00
10	1-1/4-inch Water Service Laterals (Polyethylene) Directional Drill	34 EA	\$2,150.00	\$73,100.00	12.00	\$25,800.00	44.00	\$94,600.00	-	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	11,740.38	\$52,831.71
11	Pavement Removal	11,500 SY	\$4.50	\$51,750.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	11,740.38	\$52,831.71
12	8-inch Concrete Restoration	175 SY	\$64.00	\$11,200.00	-	\$0.00	-	\$0.00	-	\$0.00	322.60	\$20,846.40	0.00	\$0.00	-14.30	-\$915.20	308.30	\$19,731.20
13	1-1/4-inch Dense Graded Aggregate Base Course	600 Tons	\$26.00	\$15,600.00	-	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	-	\$0.00
14	HMA Pavement, Type E-1, 9.5 mm Asphaltic Concrete Pavement Surface	2,160 Tons	\$69.00	\$149,040.00	-	\$0.00	-	\$0.00	243.85	\$16,825.65	545.10	\$37,611.90	863.93	\$59,611.17	32.20	\$2,221.90	1,685.08	\$116,270.52
15	HMA Pavement, Type E-1, 19.0 mm Asphaltic Concrete Pavement Binder	2,150 Tons	\$75.00	\$161,250.00	-	\$0.00	-	\$0.00	915.71	\$68,678.25	869.65	\$65,223.75	643.64	\$48,273.00	22.52	\$1,689.00	2,451.52	\$183,864.00
16	Sawcutting	10,650 LF	\$1.00	\$10,650.00	-	\$0.00	-	\$0.00	3426.00	\$3,426.00	5,180.00	\$5,180.00	0.00	\$0.00	0.00	\$0.00	8,606.00	\$8,606.00
17	Curb and Gutter Replacement	572 LF	\$40.00	\$22,880.00	-	\$0.00	297.00	\$11,880.00	47.00	\$1,880.00	156.00	\$6,240.00	187.00	\$7,480.00	0.00	\$0.00	667.00	\$27,480.00
18	Hydrant Extension	37 VF	\$580.00	\$21,460.00	14.00	\$8,120.00	-	\$0.00	12.00	\$6,960.00	0.00	\$0.00	11.00	\$6,380.00	0.00	\$0.00	37.00	\$21,460.00
19	Salvage and Delivery of Existing Hydrants	1 LS	\$750.00	\$750.00	-	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	0.25	\$187.50	0.50	\$375.00	0.75	\$562.50
20	Existing Valve Box Removal (Top Section Only)	1 LS	\$1,300.00	\$1,300.00	-	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	1.00	\$1,300.00	0.00	\$0.00	1.00	\$1,300.00
21	Erosion Control	1 LS	\$3,700.00	\$3,700.00	-	\$0.00	0.33	\$1,221.00	-	\$0.00	0.33	\$1,221.00	0.34	\$1,258.00	0.00	\$0.00	1.00	\$3,700.00
22	Traffic Control	1 LS	\$5,100.00	\$5,100.00	-	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	1.00	\$5,100.00	0.00	\$0.00	1.00	\$5,100.00
23	6-inch PVC Storm Sewer, Class 150 With Cleanouts, 3/4-inch T.B.B.F.	360 LF	\$52.00	\$18,720.00	358.00	\$18,616.00	-	\$0.00	-	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	358.00	\$18,616.00
24	Core Connection to Tower, Install 2-inch PVC Schedule 40 Interior Drain	1 LS	\$9,400.00	\$9,400.00	1.00	\$9,400.00	-	\$0.00	-	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1.00	\$9,400.00
E-1	1-1/4-inch Water Service Laterals (Polyethylene), C.O.S.	131 EA	\$1,600.00	\$209,600.00	0.00	\$0.00	-	\$0.00	-	\$0.00	123.00	\$196,800.00	6.00	\$9,600.00	0.00	\$0.00	129.00	\$206,400.00
E-2	20th Street Subgrade and Road Base Improvements	1 LS	\$14,381.99	\$14,381.99	0.00	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	0.00	\$0.00	1.00	\$14,381.99	1.00	\$14,381.99
<b>TOTAL (Items 1-24)</b>					<b>\$445,610.15</b>	<b>\$1,785,521.99</b>	<b>\$445,610.15</b>	<b>\$149,565.93</b>	<b>\$399,541.02</b>	<b>\$628,565.00</b>	<b>\$175,216.22</b>	<b>\$17,752.59</b>	<b>\$1,790,890.91</b>	<b>\$0.00</b>	<b>\$1,790,890.91</b>	<b>\$0.00</b>	<b>\$1,790,890.91</b>	<b>\$1,790,890.91</b>

Total Completed to Date \$1,790,890.91  
 Allowance for Testing and Approval (10% of Total Completed to Date) \$0.00  
 Subtotal 1 (Total Complete minus Allowance for Testing and Approval) \$1,790,890.91  
 Retainage (5% of Subtotal 1 up to a Maximum of \$44,378.50) -\$44,378.50  
 Subtotal 2 (Subtotal 1 less Retainage) \$1,746,512.41  
 Less Previous Payments -\$1,724,159.82  
**TOTAL PAYMENT DUE THIS PERIOD \$22,352.59**

Recommended for Commission Approval by:  Date: 9-4-15

## PLANT OPERATIONS

August, 2015

<b>PUMPAGE REPORT</b>	<b>2015 (pumpage in gallons)</b>	<b>2014 (pumpage in gallons)</b>	<b>Percentage of Change</b>
Monthly pumpage	269,260,000	261,020,000	+3.0
Monthly average day	8,686,000	8,420,000	+3.0
Monthly peak day	10,740,000 (8/5/15)	11,170,000 (8/8/14)	-4.0
Yearly pumpage	1,870,060,000	1,841,058,000	+2.0
Yearly average day	7,696,000	7,576,000	+2.0
Yearly peak day	13,150,000 (7/31/15)	11,450,000 (5/24/14)	+15.0
West zone pumpage	123,910,000	144,830,000	-14.0

### **WATER QUALITY REPORT**

#### **Raw Water**

#### **Finished Water**

Average free chlorine		1.53 mg/l
Total chlorine		1.70 mg/l
Average alkalinity	110.2 mg/l	110.9 mg/l
Average pH	8.5	8.4
Average fluoride	0.10 mg/l	0.65 mg/l
Average turbidity	2.56 N.T.U.	0.04 N.T.U.
Average temperature	53.9°F	
Hardness	137 mg/l	137 mg/l

**Preventative Maintenance Tasks:** Staff completed 132 preventative maintenance tasks, 3 miscellaneous work orders, and 2 safety sessions during the month.

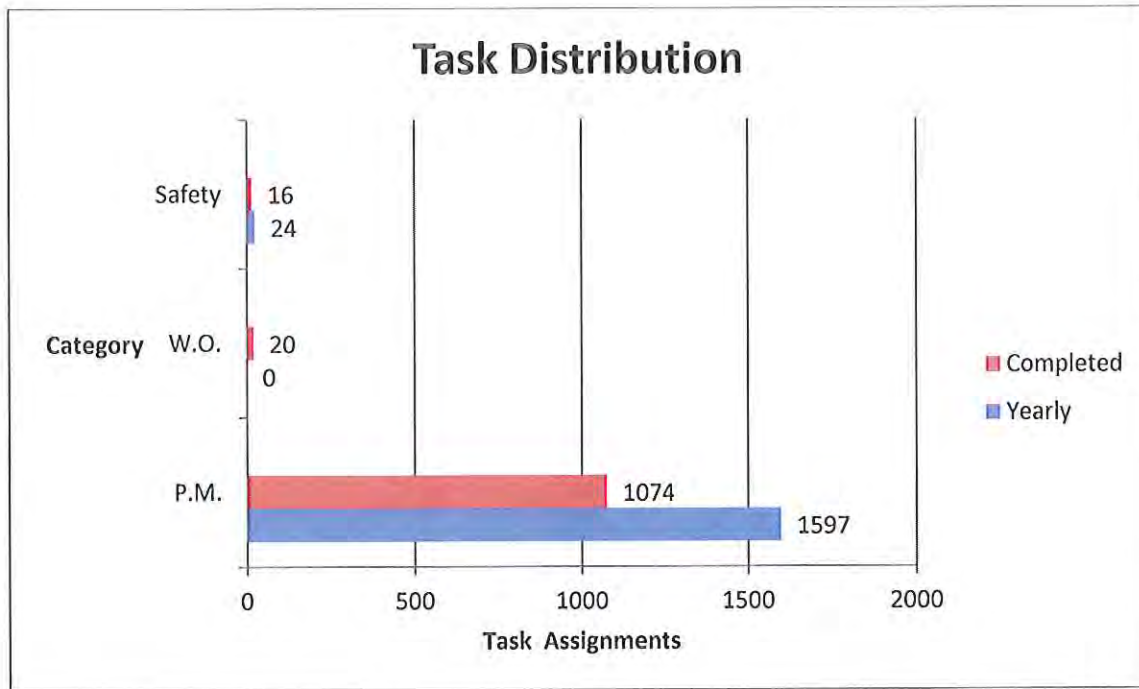
**Orchard Way Pump Station:** Orchard Way telemetry was damaged during a lightning storm on 8-2. Staff replaced two analog boards and restored communication.

**Plant Tour:** Plant Manager Francis and Utility General Manger Sullivan gave a tour of the Oak Creek Water Treatment Plant to Barbara Martin and her family on 8-6. Ms. Martin is the Senior Manager of Partnership programs for the American Water Works Association.

**Lake Vista Update:** The contractor for the Lake Vista construction project hit and damaged one of the electrical feeds to the Raw Water Pump station during the week of 8-17. Pieper Electric was brought on site to repair the damaged line, replace the blown fuse in the plant main switch gear and reenergize the feed line.

**Tower Cleaning:** A crew from National Wash Authority was onsite the week of 8-24 cleaning the Howell Avenue and Backwash elevated storage towers.

**Operator Position:** After successfully completing the pre-employment process, Andrew Krueger was chosen to fill the vacant operator's position. Mr. Krueger's start date is September 8<sup>th</sup>.



## **DISTRIBUTION & COLLECTION OPERATIONS**

**August 2015**

### **Water Main Break:**

On August 25<sup>th</sup> the Utility repaired a water leak at 8044 South Mona Drive on a 6" DIP water main that had a small blow hole. The crew repaired it live, taking no one out of service. The main was installed in 1966.

### **Water Lateral Repairs:**

On August 11<sup>th</sup> a crew was sent to 7302 South 27<sup>th</sup> Street to check on a contractor hitting a lateral. The contractor excavated around the lateral and the Utility crew repaired it. Service to customers was uninterrupted.

On August 14<sup>th</sup> a crew was sent to 1131 East Wildflower Drive for water coming over the curb at a vacant lot. The curb stop box was hit and water turned on. The crew repaired the curb stop box and turned it off.

### **Water Gate Valves Repaired:**

On August 6<sup>th</sup> a crew was sent to repair a 6" gate valve at 6600 South 27<sup>th</sup> Street. The packing gland and bonnet bolts were leaking.

### **Hydrants Repaired:**

On August 6<sup>th</sup> a crew was sent to repair a hydrant at 6600 South 27<sup>th</sup> Street. They replaced the barrel bolts.

On August 19<sup>th</sup> a crew was sent to repair a hydrant at 4301 East Depot Road that was hit by an unknown vehicle.

On August 26<sup>th</sup> a crew was sent to 800 West Puetz Road to repair a hydrant that was hit.

The Utility adjusted three hydrants in Drexel Town Square during August.

### **Water Towers:**

On August 26<sup>th</sup> National Wash Authority cleaned the outside of Howell Tower.



**DISTRIBUTION GOALS 2015**

JOB DESCRIPTION	GOALS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
Meter Testing & Exchanges	400	42	191	78	60	10	11	9	6					407
New Installs	30	4	5	4	5	5	2	5	8					38
Cross Connection Inspections	200	39	104	41	36	7	29	78	40					374
Industrial Inspections		8	-	-	28	74	69	80	43					302
Trace Replacements	200	36	118	41	37	4	30	126	75					467
Water Main Repairs		-	2	3	1	2	2	2	1					13
Water Lateral Repairs		1	1	1		2	1	1	1					8
Annual Hydrant Flushing	2,128				1,525	498								2,023
Semi-annual Flushing	645													-
Quarterly Flushing	74x4	74						77						151
Flush Emergency Connections	3													-
Watermain Crossings	63	63												63
Hydrant Greasing - Caps	2,128	50			1,525	498								2,073
Hydrant Greasing - Packing	200													-
Hydrant Painting	500					94	297	307	222					920
Winterize Hydrants	58													-
Clean Sewers	185,000	14,194.0	6,458.9	3,208.4	9,624.0	14,428.8	29,426.0	13,839.0	29,024.0					120,203.1
Camera Sewers	185,000	15,009.0	6,458.9	3,208.4	10,725.0	15,037.0	13,747.0	6,012.0	23,149.0					93,346.3
Check Problem Sewers	4x34	34			28			34						96
Check Remote Sewer Mains	40													-
Check Remote Water Mains	25													-
Operate Valves	1,000	4	5	8	4	15	6	10	65					117
Valve Boxes Repaired or Adjusted					4	4	2	4	6					20
Stop Boxes Repaired or Adjusted					8	8	6	3	9					34
Concrete/Asphalt/Landscaping						8	8	4	-					20
Grout Manholes	25			27					5					27
Repair Manhole Chimneys														5
Catholic Protection Tests	11													-
Winterize Equipment														0
Summerize Equipment					1									1
Run All Equipment					10									10
MMSD Annual CMOM Report							Done							0
DNR eCMAR							Done							0

## ADMINISTRATIVE OPERATIONS

August 2015

### Fixed Assets:

Senior Accountant Leranth continued working on updating the Utility's continuing property records for 2014.

### Training:

Accounting Supervisor Stenzel attended the Wisconsin Water Association Management Seminar held in Milwaukee on August 5.

### Workload:

Other administrative tasks included the following:

1. Added 1 customer account.
2. Billed 3,238 water customers and 3,362 sewer customers.

### Gallons Billed (in thousands):

	YTD 2015	YTD 2014	YTD 2013	YTD 2012	YTD 2011	Average
Residential	254,103	257,481	259,076	294,533	269,682	266,975
Commercial	288,149	284,650	271,688	295,901	352,811	298,640
Industrial	255,890	268,545	264,122	235,834	178,943	240,667
Public Authority	15,179	12,071	14,078	16,387	12,607	14,064
Wholesale	830,720	787,166	786,756	892,723	816,162	822,705
Total	1,644,041	1,609,913	1,595,720	1,735,378	1,630,205	1,643,051
% Incr (Decr)	2.1%	0.9%	-8.0%	6.5%		

### New Customers:

	YTD 2015	YTD 2014	YTD 2013	YTD 2012	YTD 2011	Average
Residential	15	15	22	27	29	21.6
Commercial	7	1	1	2	2	2.6
Industrial	1	0	0	0	0	0.2
Public Authority	1	0	0	0	0	0.2
Wholesale	0	0	0	0	0	-
Total	24	16	23	29	31	25
% Incr (Decr)	50.0%	-30.4%	-20.7%	-6.5%		

**New Commercial Customers (2015):** Liberty Property LTD, Panda Express Inc. (2 accounts), Meijer (2 accounts), Centennial Park, vacant office space in strip mall at 2345 W Ryan Road (separated from one unit into two units)

**New Industrial Customers (2015):** Stella & Chewy's

**New Public Authority Customers (2015):** Fire Station #1

## **ENGINEERING OPERATIONS**

**August 2015**

### **27<sup>th</sup> Street Hydrant Relocation and Water Main Relay**

MJ Construction has completed the major items of work on the project. They will remobilize after the curb and gutter is poured on the east side of South 27<sup>th</sup> Street in order to adjust the relocated fire hydrants to the proper grade/elevation. In the interim, Engineering staff is crafting a punch list and working with WisDOT's grading crew to minimize utility hits.

### **Cedar Hills Water Main Relay**

This project is substantially complete. UPI is currently working on the punch list items. They are approximately 90% complete with the work. Engineering expects that final payment will be forthcoming in approximately 30 days.

### **Rowan Estates Water Main Relay**

The landscaping contractor will be returning September 8, 2015 to fix areas of grass that have not taken. Engineering expects that they will be in the entire week working on these items. In general, the contractor has not met the specification with regard to the seeding, topsoiling, and ditch restoration work in this subdivision. Consequently, the landscaper has had to return on several occasions to correct deficiencies. Engineering is holding back all retainage until this work meets the criteria laid out in the contract specifications.

### **CT Tank Compliance Project/2016 Water Treatment Plant Improvement Project**

The Public Service Commission (PSC) has issued a notice of investigation (NOI) with regard to the construction authorization for this project. Subsequently, the City of Franklin has requested to be made party to the case and will have a role in the process moving forward.

CH2M has been finalizing the front end documents of the contract specifications. They have addressed City Attorney Karls' comments and have revised the supplemental provisions of the contract. They have also been coordinating with Larry Landsness (WDNR) to address additional comments with regard to the project. Additionally, they have been working with Graef to finalize the grading and storm sewer plan based on WDNR and City of Oak Creek Engineering comments.

Ramboll Environ has sent the contaminated soils report to the WDNR for review. They have also made contact with WDNR representatives to determine a path moving forward. The handling of the contaminated soils – especially for the foundations of the new reservoir and high service pump station – will be very costly. CH2M has determined that the use of piles will most likely be cheaper. However, before a full design effort can be authorized, Engineering, in concert with Ramboll Environ, needs to insure that the WDNR will authorize that path. Discussions with WDNR in this regard have begun and should be resolved in early September.

## West Minnesota Avenue Water Main & Sewer Petition Approval

Date: September 15, 2015

**RECOMMENDATION: That the Commission considers a motion to approve the water main portion of the West Minnesota Avenue water main & sewer petition.**

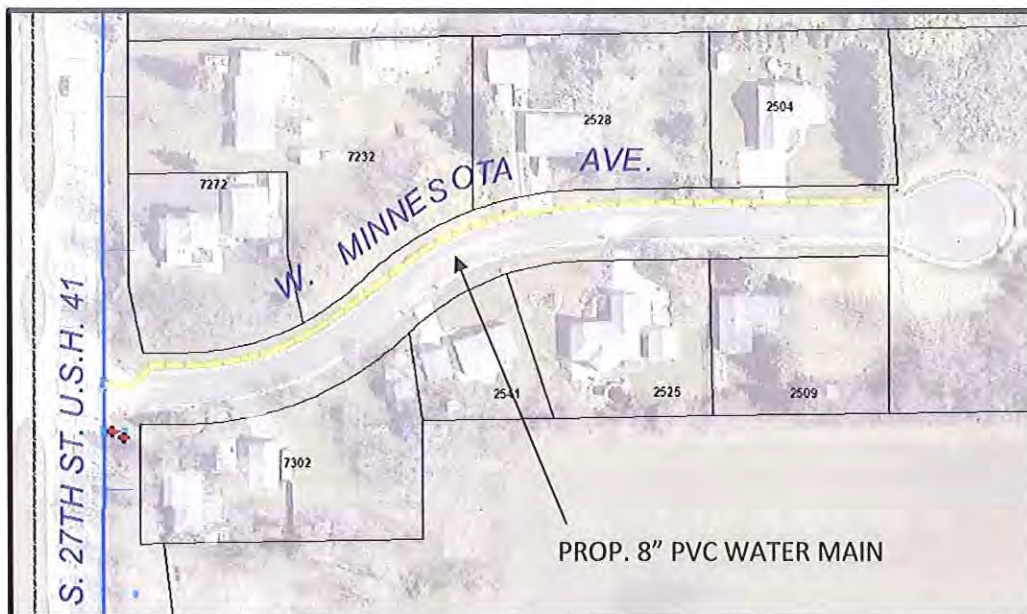
A petition has been received for the extension of water and sewer main in West Minnesota Avenue from South 27<sup>th</sup> Street to approximately 670' east of South 27<sup>th</sup> Street dead-ending in the cul-de-sac. The project would include the installation of approximately 670' of 8" PVC water main in West Minnesota Avenue and 4,600' of 8" PVC sanitary sewer main in West Minnesota Avenue and South 27<sup>th</sup> Street.

Because West Minnesota Avenue generally slopes downhill from South 27<sup>th</sup> Street to its termination approximately 700' to the east, it is not feasible to install sanitary sewer in this location. In order to do so, it would have to be extraordinarily deep at 27<sup>th</sup> Street and flow generally downhill all the way to Drexel Avenue. For this reason, there is a force main installed in this location currently which terminates at a manhole north of West Minnesota Avenue.

A financial feasibility analysis of the water portion of the project indicated a \$43,000 loss for the Utility over the next 10 years. However, given that the Utility cost is less than 50% of the total cost, Engineering recommends the Commission consider approving the water portion of the project.

Estimated Project Cost:	\$115,000
Special Assessment (10 year payback):	\$68,747
Special Assessment (20 year payback):	\$0
Utility Funded :	\$46,253 (40%)

Should the Commission approve this petition, the project, and associated special assessments, will be presented to the City of Oak Creek Common Council (Council) for approval pending a public hearing and official Council vote.



## Approve Street Light at Raw Water Drive

Date: September 15, 2015

**RECOMMENDATION: That the Commission considers a motion to approve the installation of one street light at the new entrance gate to Raw Water Drive at a cost of \$7,500.00**

Under the City of Oak Creek Lake Vista project, the alignment of Raw Water Drive has changed and the existing entrance eliminated and re-situated to the east. Because the Lake Vista project includes lighting items, the Utility has requested a light pole be placed at the new entrance to Raw Water Drive for security and safety purposes. The cost of the work is as follows:

Item	Unit Cost	Quantity	Total
Conduit	\$7.30/LF	150 LF	\$1,095.00
Concrete Base	\$905.25/EA	1 EA	\$905.00
Wire	3.60/LF	315 LF	\$1,134.00
Light Pole	\$2,040.00/EA	1 EA	\$2,040.00
Luminaires	\$1,614.00/EA	1 EA	\$1,614.00
Fabrication	\$672.00/EA	1 EA	672.00
		<b>TOTAL</b>	<b>\$7,460.00</b>

Existing Item as bid on the Lake Vista Contract

Additional Cost for Pole Fabrication (Not on original contract)

