

CITY OF OAK CREEK WATER & SEWER UTILITY

OFFICIAL NOTICE

PLEASE TAKE NOTICE that the Water and Sewer Utility Commission will meet virtually on Tuesday, August 11, 2020, at 9:00 am.

Important Notice

This meeting will be held by video conference. Persons wishing to participate in this public meeting need to register via <http://ocwi.org/register> prior to the start of the meeting.

The webinar will start at 8:50 am so those that registered may log in.

Persons requiring other reasonable accommodations may contact the City at 414-766-7000.

Requests should be made as far in advance as possible.

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 7th day of August, 2020.

/s/ Michael J. Sullivan
General Manager

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

TIME
9:00 am

DATE
Tuesday
August 11, 2020

LOCATION
Via Video
Conference Only

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- 1.0 OPENING OF MEETING**
 - 1.1 Roll Call
 - 1.2 Minutes Approval - Regular Meeting 07-14-20
- 2.0 CLOSED SESSION**
 - 2.1 Closed session in accordance with Section 19.85 (1)(e) of the Wisconsin State Statutes for the following purpose:
 - 2.1.1 Wholesale Water Contract
 - 2.2 Consider a motion to take action, if required
- 3.0 PROJECT APPROVALS**
 - 3.1 Change Order Number 1 - Howell Avenue and Quail Run Water Looping Project
- 4.0 MISCELLANEOUS MATTERS**
 - 4.1 Proposed Utility Commission Functional Change
 - 4.2 Adopt Personnel Policy Manual
 - 4.3 Approval of Professional Services contract with Ramboll
- 5.0 FINANCIAL MATTERS**
 - 5.1 Project Payment Approval
 - 5.1.1 Final Payment for Howell Avenue and Quail Run Water Looping Project, \$27,374.01.
 - 5.1.2 Jewell Street Lift Station Abandonment Project, \$80,064.10.
 - 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**

**CHANGE ORDER AUTHORIZATION
CHANGE ORDER NO. 1
PROJECT NO. 17103**

2017 Water Projects – Water Main Looping

INITIATED BY THE OAK CREEK WATER AND SEWER UTILITY
DATE INITIATED: July 30, 2020

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

ITEM NO.	ITEM DESCRIPTION	QUANTITY UNIT	UNIT PRICE	COST
E-1	Sidewalk	1 LS	\$2,625.00	\$2,625.00
E-2	Curb and Base Patching	1 LS	\$2,484.95	\$2,484.95
E-3	Foundation Removal	1 LS	\$16,956.14	\$16,956.14
E-4	Remobilization of Drilling Operation	1 LS	\$2,531.25	\$2,531.25
	TOTAL CHANGE ORDER			\$24,597.34

E = Contract Extra, C = Contract Credit

This work, performed under the 2017 Water Projects – Water Main Looping contract, is hereby agreed upon and has been performed as indicated under the contract for Project No. 17103, Change Order No. 1 for contract extras with a total net cost of \$24,597.34

CornerStone One, LLC

Oak Creek Water & Sewer Utility

Bob Anderson
Signature

Signature

Bob Anderson
Accepted by (print name)

Accepted by (print name)

7/30/20
Date Accepted

Date Accepted

Professional Services Agreement with Ramboll for Support Services

Date: August 11, 2020

RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to enter into an agreement with Ramboll for providing general remedial action oversight support services on the Former Koppers Tar Plant/Wabash Alloys site and Water Utility corridor and Depot Road sites not to exceed \$15,000.

The sites are part of a comprehensive lakefront development area in Oak Creek. The former Koppers Tar Plant/Wabash Alloys property is currently owned by Connell Limited partnership (Connell) and previously by Beazer East. The City has been previously in negotiations with the parties regarding remediation of the property with the possibility of the City gaining title to the property, but these negotiations broke down several years ago. Connell and Beazer have been working with WDNR on a Site Investigation and Remedial Action Plan. The WDNR appears to be satisfied with the site investigation work Connell has submitted to date and the Remedial Action Options Report was recently submitted to WDNR by Connell on March 13, 2020. The City has insurance coverage in place and has requested that Ramboll continues to monitor the next steps to ensure the site investigation and Remedial Action Plan are consistent with current rules and regulation, in line with the overall Lakefront Development efforts and do not cause issues on the adjacent Water Utility Corridor. The City has requested that the Utility enter into this agreement since it will protect the Low Lift corridor. We know that we have contamination from the Connell/Beazer property extending into the corridor which was encountered with raw water line work along the low lift drive several years ago. One of Ramboll's objectives is to monitor the WDNR Remedial Action Options Report to ensure that the Utilities use and future work in the corridor are not impacted by the contamination and capping requirements. The City's insurance coverage is anticipated to reimburse for the expenses in future claims.

OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT

PROJECT NO. 17103-Howell and Quail Run Looping Project

Item No.	Item Description	Bid Quantity	Unit	Price	Total Price	Partial Payment No. 1 April 14, 2020		Partial Payment No. 2 May 12, 2020		Partial Payment No. 3 June 9, 2020		Partial Payment No. 4 July 14, 2020		Partial Payment No. 5 August 11, 2020		PROJECT TOTAL	
						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	8" Centa-Lok Water Main, 1 1/4" Base Aggregate Dense Backfill	26	LF	\$218.00	\$5,668.00		\$0.00		\$0.00	22.00	\$4,796.00		\$0.00		\$0.00	22.00	\$4,796.00
2	8" Centa-Lok Water Main, Native Backfill	25	LF	\$214.00	\$5,350.00		\$0.00		\$0.00	27.25	\$5,831.50		\$0.00		\$0.00	27.25	\$5,831.50
3	8" Centa-Lok Water Main (HDD)	373	LF	\$146.00	\$54,458.00		\$0.00		\$0.00	374.00	\$54,604.00		\$0.00		\$0.00	374.00	\$54,604.00
4	12" Centa-Lok Water Main, WisDOT Backfill	36	LF	\$363.00	\$13,068.00		\$0.00	23.80	\$8,639.40	63.70	\$23,123.10		\$0.00		\$0.00	87.50	\$31,762.50
5	12" Centa-Lok Water Main (HDD)	586	LF	\$151.00	\$88,486.00		\$0.00	536.00	\$80,936.00		\$0.00		\$0.00		50.00	\$80,936.00	
6	8" Gate Valve	1	EA	\$4,034.00	\$4,034.00		\$0.00		\$0.00	1.00	\$4,034.00		\$0.00		\$0.00	1.00	\$4,034.00
7	12" Gate Valve	2	EA	\$5,693.00	\$11,386.00		\$0.00	1.00	\$5,693.00	1.00	\$5,693.00		\$0.00		\$0.00	2.00	\$11,386.00
8	Type "A" Hydrant Assembly	2	EA	\$13,162.00	\$26,324.00		\$0.00	2.00	\$26,324.00		\$0.00		\$0.00		\$0.00	2.00	\$26,324.00
9	Connect to Existing 8" Ductile Iron Water	1	EA	\$5,210.00	\$5,210.00		\$0.00		\$0.00	1.00	\$5,210.00		\$0.00		\$0.00	1.00	\$5,210.00
10	Connect to Existing 12" Ductile Iron Water Main	1	EA	\$9,319.00	\$9,319.00		\$0.00	1.00	\$9,319.00		\$0.00		\$0.00		\$0.00	1.00	\$9,319.00
11	Connect to Existing 16" Ductile Iron Water Main	1	EA	\$5,980.00	\$5,980.00		\$0.00		\$0.00	1.00	\$5,980.00		\$0.00		\$0.00	1.00	\$5,980.00
12	Connect to Existing 20" Ductile Iron Water Main	1	EA	\$7,476.00	\$7,476.00		\$0.00		\$0.00	1.00	\$7,476.00		\$0.00		\$0.00	1.00	\$7,476.00
13	HMA Pavement	1	LS	\$11,600.00	\$11,600.00		\$0.00		\$0.00	1.00	\$11,600.00		\$0.00		\$0.00	1.00	\$11,600.00
14	Concrete Base 6"	1	LS	\$3,060.00	\$3,060.00		\$0.00		\$0.00	1.00	\$3,060.00		\$0.00		\$0.00	1.00	\$3,060.00
15	Concrete Sidewalk	1	LS	\$9,900.00	\$9,900.00	0.00	\$0.00		\$0.00	1.00	\$9,900.00		\$0.00		\$0.00	1.00	\$9,900.00
16	Concrete Curb and Gutter	1	LS	\$4,950.00	\$4,950.00	0.00	\$0.00		\$0.00	1.00	\$4,950.00		\$0.00		\$0.00	1.00	\$4,950.00
17	Pavement Marking	1	LS	\$5,490.00	\$5,490.00	0.00	\$0.00		\$0.00	1.00	\$5,490.00		\$0.00		\$0.00	1.00	\$5,490.00
18	Restoration	1	LS	\$1,500.00	\$1,500.00	0.00	\$0.00		\$0.00	1.00	\$1,500.00		\$0.00		\$0.00	1.00	\$1,500.00
19	Erosion Control	1	LS	\$2,000.00	\$2,000.00	0.50	\$1,000.00		\$0.00	0.50	\$1,000.00		\$0.00		\$0.00	1.00	\$2,000.00
20	Traffic Control	1	LS	\$1,500.00	\$1,500.00	0.50	\$750.00		\$0.00	0.50	\$750.00		\$0.00		\$0.00	1.00	\$1,500.00
E-1	Extra Sidewalk	1	LS	\$2,625.00	\$2,625.00		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$2,625.00	1.00	\$2,625.00
E-2	Extra Curb/base patch	1	LS	\$2,484.95	\$2,484.95		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$2,484.95	1.00	\$2,484.95
E-3	Foundation Removal	1	LS	\$16,956.14	\$16,956.14		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$16,956.14	1.00	\$16,956.14
E-4	Remobilization Drilling Operation	1	LS	\$2,531.25	\$2,531.25		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$2,531.25	1.00	\$2,531.25
TOTAL ITEMS 1-22 (inclusive)							\$1,750.00		\$130,911.40		\$148,307.60		\$5,490.00		\$24,597.34		\$312,256.34

Sub-Total Completed To Date \$312,256.34
 Less Allowance for testing and approval \$0.00
 Less Retainage (5% to 50% complete) 0% \$0.00
 Total \$312,256.34
 Less Previous Payments \$284,882.41
TOTAL PAYMENT DUE THIS PERIOD \$27,373.93

Recommended for Commission Approval by: Brian J. Galt Date: 08/03/2020

Contractor Final Payment Approval by: Brian Galt Date: 8/1

OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT

PROJECT NO. 17106- Jewel Street Lift Station Abandonment

Item No.	Item Description	Bid Quantity	Unit Price	Total Price	Partial Payment No. 1 May 14, 2020		Partial Payment No. 2 June 9, 2020		Partial Payment No. 3 July 14, 2020		Partial Payment No. 4 August 11, 2020		PROJECT TOTAL		
					Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	
1	15-INCH PVC SANITARY SEWER	15	LF	\$500.00	\$7,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
2	18-INCH PVC C900 SANITARY SEWER 1-1/4" TB	55	LF	\$500.00	\$27,500.00		\$0.00		\$0.00		\$27,500.00	55.00	\$27,500.00		\$27,500.00
3	18-INCH PVC C900 SANITARY SEWER, SPOIL BACKFILL	1,887	LF	\$405.00	\$764,235.00		\$0.00	545.70	\$221,008.50	1,272.50	\$515,362.50	68.80	\$27,864.00	1,887.00	\$764,235.00
4	SANITARY SEWER MANHOLE 48" I.D.	178	VF	\$1,300.00	\$231,400.00		\$0.00	101.00	\$131,300.00	91.62	\$119,106.00	9.50	\$12,350.00	202.12	\$262,756.00
5	ABANDON AIR RELEASE & SANITARY MANHOLE	2	EA	\$7,500.00	\$15,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
6	ABANDON 4-INCH FORCE MAIN	135	LF	\$35.00	\$4,725.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
7	ABANDON 18-INCH SANITARY SEWER	165	LF	\$45.00	\$7,425.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
8	ABANDON LIFT STATION	1	LS	\$30,000.00	\$30,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
9	REMOVE 8-INCH SANITARY SEWER	15	LF	\$150.00	\$2,250.00		\$0.00		\$0.00		\$0.00	15.00	\$2,250.00	15.00	\$2,250.00
10	REMOVE SANITARY MANHOLE	1	EA	\$2,500.00	\$2,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
11	ASPHALT PAVEMENT REMOVAL	329	SY	\$13.00	\$4,277.00		\$0.00		\$0.00	165.00	\$2,145.00		\$0.00	165.00	\$2,145.00
12	SAWCUTTING EXISTING PAVEMENT FULL DEPTH	75	LF	\$15.00	\$1,125.00		\$0.00		\$0.00	42.00	\$630.00		\$0.00	42.00	\$630.00
13	REMOVE 57 X 38-INCH ARCH CMP	27	LF	\$82.00	\$2,214.00		\$0.00		\$0.00		\$0.00	27.00	\$2,214.00	27.00	\$2,214.00
14	REMOVE GUARDRAIL	30	LF	\$50.00	\$1,500.00	30.00	\$1,500.00		\$0.00		\$0.00		\$0.00		\$1,500.00
15	PIPE ARCH CORRUGATED STEEL 57 X 38-INCH	27	LF	\$300.00	\$8,100.00		\$0.00		\$0.00		\$0.00	27.00	\$8,100.00	27.00	\$8,100.00
16	APRON ENDWALLS FOR PIPE ARCH STEEL 57 X 38-INCH	2	EA	\$2,000.00	\$4,000.00		\$0.00		\$0.00		\$0.00	2.00	\$4,000.00	2.00	\$4,000.00
17	HMA PAVEMENT TYPE 4 LT, PG 58 28 S	4	TON	\$1,200.00	\$4,800.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
18	STONE TRACKING PAD	1	EA	\$4,000.00	\$4,000.00	1.00	\$4,000.00		\$0.00		\$0.00		\$0.00	1.00	\$4,000.00
19	DEWATERING	1	LS	\$145,000.00	\$145,000.00	0.30	\$43,500.00		\$0.00		\$0.00		\$0.00	0.30	\$43,500.00
20	CLEARING AND GRUBBING	1	LS	\$26,000.00	\$26,000.00	1.00	\$26,000.00		\$0.00		\$0.00		\$0.00	1.00	\$26,000.00
21	TURF RESTORATION	1	LS	\$29,000.00	\$29,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
22	TRENCH STABILIZATION (UNDISTRIBUTED)	750	TON	\$55.00	\$41,250.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
23	EROSION CONTROL	1	LS	\$17,000.00	\$17,000.00	1.00	\$17,000.00		\$0.00		\$0.00		\$0.00	1.00	\$17,000.00
24	TRAFFIC CONTROL	1	LS	\$10,000.00	\$10,000.00	0.50	\$5,000.00		\$0.00		\$0.00		\$0.00	0.50	\$5,000.00
E-1	Plan Changes to Final Construction Documents	1	LS	\$53,255.00	\$53,255.00		\$0.00		\$0.00	1.00	\$53,255.00		\$0.00	1.00	\$53,255.00
TOTAL ITEMS 1-24 (inclusive)					\$1,444,056.00		\$97,000.00		\$352,308.50		\$637,243.50		\$84,278.00		\$1,224,085.00

Sub-Total Completed To Date \$1,224,085.00
 Less Allowance for testing and approval 5% -\$61,204.25
 Less Retainage (5% to 50% complete) 5% -\$21,342.15
 Total \$1,141,538.60
 Less Previous Payments \$1,061,474.50
TOTAL PAYMENT DUE THIS PERIOD \$80,064.10

Recommended for Commission Approval by: Brian J. Jankov Date: 07/31/2020

ADMINISTRATIVE OPERATIONS

July 2020

Customer Payment Option Status:

As of July 31, the Utility has 1,293 customers registered for the ACH payment program, which represents 13.47% of all Utility customers. The Utility had 1,141 customers in 2019 and 1,164 in 2018 registered for this payment method.

As of July 31, the Utility has 2,841 customers registered for PSN's online billing services, which represents 29.59% of all Utility customers. Of these customers, 1,018 have opted out of receiving paper bills. The Utility had 2,425 customers in 2019 and 2,119 in 2018 registered for this payment method. Of these customers, 875 opted out of receiving paper bills in 2019 and 773 opted out in 2018.

Workload:

Other administrative tasks included the following:

- Added 9 customer accounts for the month.
- Billed 912 water customers and 938 sewer customers.

Gallons Billed (in thousands):

	YTD 2020	YTD 2019	YTD 2018	YTD 2017	YTD 2016	Average
Residential	212,606	200,816	207,041	208,196	209,244	207,581
Commercial	257,525	249,530	248,996	264,552	250,595	254,240
Industrial	266,367	292,092	287,563	239,065	226,273	262,272
Public Authority	5,421	6,388	6,580	6,688	7,524	6,520
Wholesale	787,007	736,756	727,633	714,921	795,630	752,389
Total	1,528,926	1,485,582	1,477,813	1,433,422	1,489,266	1,483,002
% Change to Prior Year	2.9%	0.5%	3.1%	-3.7%	N/A	
% Change to Average	3.1%	0.2%	-0.3%	-3.3%	0.4%	

New Customers:

	YTD 2020	YTD 2019	YTD 2018	YTD 2017	YTD 2016	Average
Residential	34	11	23	13	15	19.2
Commercial	13	9	11	15	16	12.8
Industrial	0	0	0	0	0	-
Public Authority	3	0	1	0	2	1.2
Wholesale	0	0	0	0	0	-
Total	50	20	35	28	33	33.2

New Residential Customers (YTD 2020):

1515 E. Maple View Drive, 1545 E. Maple View Drive, 1587 E. Maple View Drive, 3380 E. Oakwood Road, 1138 W. Morningside Lane, 1153 W. Morningside Lane, 1049 W. Sunrise Pass, 1053 W. Sunrise Pass, 1054 W. Sunrise Pass, 1079 W. Sunrise Pass, 1110 W. Sunrise Pass (2 accounts including lawn), 1141 W. Sunrise Pass, 1546 E. Arbor Creek Drive, 9279 S. Arbor Creek Drive, 9300 S. Arbor Creek Drive, 9316 S. Arbor Creek Drive, 9325 S. Arbor Creek Drive, 9375 S. Arbor Creek Drive, 3916 E. O'Brien Road, 8418 S. Nighthawk Trail, 8494 S. Nighthawk Trail, 8788 S. 6th Avenue, 1308 E. Golden Lane (lawn), 1316 E. Golden Lane, 1330 E. Golden Lane, 1344 E. Golden Lane, 1359 E. Golden Lane, 1373 E. Golden Lane, 4020 E. Fitzsimmons Road, 9627 S. Wintergreen Drive, 9991 S. Shepard Avenue, 3980 E. Cooper Court, 3507 E. American Avenue

New Commercial Customers (YTD 2020):

HSI Orchard Hills, LLC (6 accounts), NHI-Reit of WI, LLC (2 accounts), SSV Oak Creek II LLC, 9079 S. 5th Avenue, Commerce 94 Project, LLC (3 accounts)

Public Authority (YTD 2020):

Oak Creek-Franklin School District (3 accounts including soccer, concession and lawn)

ENGINEERING OPERATIONS

July, 2020

Jewell Sanitary Sewer

D.F. Tomasini is working on the Jewell Sanitary Sewer project. The gravity sewer is installed from Jewell to College. The Contractor is working on testing and pouring the benches in the manholes. It is expected that in September the lift station will be abandoned and gravity sewer in use.

Dump Station

The plans for the proposed vac truck dump station were advertised for bids. Strand developed the plans for the project. The project is planned for September approval by Commission.

Water Master Plan

Water Master Plan held a video workshop with CDM Smith. They are working on the draft master plan.

Sanitary Master Plan

Sanitary Master Plan held a video workshop with Brown and Caldwell to discuss the subbasin assignments for the sanitary model. We have found numerous legacy subbasin in both the city's sewer sheds and in MMSD sewer sheds. Brown and Caldwell is currently working on going through the basins and adjusting as needed. We will then forward to MMSD for their group to adjust their sewer sheds. Brown and Caldwell completed the lift station assessments at Garden Place and Clement Avenue with the help of the sewer crew.

Risk and Resiliency Assessment

Strand has begun working on the Risk and Resiliency Assessment that is required to be submitted to the EPA by December 31, 2020. They inspected all facilities (except the treatment plant due to COVID) for the report.

Rawson Avenue Water Looping Project

Cedar Corp. is working on the 1,600 LF of 12" water looping design to connect between the dead ends at 1500 E. Rawson Avenue and S. Rolling Meadows Court. We will need to coordinate with Milwaukee County, We Energies, and Union Pacific Railroad. PSI obtained soil borings along the proposed water main route.

Weatherly Drive Water Looping Project

Cedar Corp. is working on the 950 LF of 8" water looping design to connect between the dead ends at S. Wilding Drive and W. Walbrook Drive along W. Weatherly Drive.

Glen Forest Ct Spot Lining Repair

Hammerhead provided a live demo for the installation of a spot liner in a 15" clay sanitary sewer pipe at the end of Glen Forest Court. The sewer crew assisted with project and televised the operation. Hammerhead is promoting the sale of the spot lining repair equipment to Utilities to complete the work themselves.

Development Project with Utility Construction

The following development projects which involve utility construction are actively underway:

- Highgate – Utility work has been on hold for the month as they deal with soil issues.
- Ryan Road Business Park – Punch list items remain.
- Orchard Hills – Punch list items remain.
- Rawson Business Park – Punch list items remain.
- Hub13 – Sanitary main line is almost completed on the project. Water main to be started in August.
- Residences at Oak View – The water main tie into Howell and Elm was completed successfully. The water and sanitary work are completed. Testing and punch list items remain.
- USPS – Punch list items remain.
- Vision Group - Water and Sanitary lateral tie in along 27th Street.
- High School - Coordination with work in the sanitary easement – need Hold Harmless Agreement.
- Creekside Crossing – Sanitary sewer work to begin in August.

DISTRIBUTION & COLLECTION OPERATIONS

July 2020

Water Main Breaks:

On July 9th, a crew was sent to 8480 S. Howell Ave. for water seeping out by the median curb. After investigation, a large leak was found behind encrustation on the 12" CIP main. The main was laid in 1956 and was fixed with a repair clamp.

On July 10th, a crew was sent to 1116 E. Marquette Ave. for a break. A large blowhole was found in the 6" DIP that was laid in 1968. Repair was made with a clamp. 18' x 25' of asphalt was heaved.

On July 14th, PPG called for a leak at 10600 S. 13th St. A large hole was found in the 16" DIP from 1974. We gave PPG ample time to shut down their process before taking them out of water. A repair clamp was put on to fix the leak.

Water Lateral Repairs:

There were no lateral leaks repaired in the month of July.

Hydrant Repairs/Maintenance:

On July 20th, crews excavated a hydrant at 10303 S. Chicago Rd. The hydrant barrel got damaged as the result of a traffic accident on 6/18/2020. The driver who caused the accident will be receiving a bill for the repair.

On July 29th, a hydrant at 9660 S. 20th St. was not shutting off during annual flushing. The hydrant was taken apart and the main valve rubber and operating stem were replaced.

Valve Repairs:

On July 29th, while valve operating, a stem was turned out of a hydrant auxiliary valve. The valve had to be excavated in order to be put back together. Bolts were replaced while we had it exposed. The valve was installed in 1993.

On July 30th, crews excavated a valve at 1100 E. Park Blvd. We proactively will be repairing these valves in the neighborhood before issues occur. They are circa 1993 and have been known to have bolts that are failing in them causing them to separate.

Sewer Repairs/Maintenance:

Utility Workers performed sewer cleaning and televising.

On July 13th, a manhole was rebuilt with a new seal and elevation to accommodate a new sidewalk in the Oak Creek High School east parking lot.

On July 22nd, HammerHead Trenchless came in to do a spot lining demonstration on a piece of 15" clay sewer by Glen Forest Ct. A 48" section of liner was cured in place to fix a cracked joint.

Miscellaneous:

Utility workers continued Annual Flushing in July.

Utility workers completed 4 asphalt or concrete restoration projects. They also replaced the front sidewalk at the Treatment Plant with the help from a crew at the DPW.

PLANT OPERATIONS

July, 2020

PUMPAGE REPORT	2020	2019	% Change	5 Year %
Monthly Pumpage	293,661,171	301,500,000	-1.25	
Monthly Average Day	9,472,941	9,725,806	-1.02	
Monthly Peak Day	(07/29)11,320,000	(07/17)12,280,000	-1.08	
Yearly Pumpage	1,657,666,771	1,610,438,500	+1.03	
Yearly Average Day	7,674,383	7,596,408	+1.01	
Yearly Peak Day	(6/19) 11,390,000	(07/17)12,280,000	-1.08	
West Zone Pumpage	138,040,000	144,300,000	-1.05	
West Zone Yearly Total	761,820,000	715,218,000	+1.07	

WATER QUALITY REPORT	Raw Water	Finished Water
Average Free Chlorine		1.57 mg/l
Total Chlorine		1.73 mg/l
Average Alkalinity	109.3 mg/l	110.3 mg/l
Average pH	8.5	8.3
Average Fluoride	0.14 mg/l	0.76 mg/l
Average Turbidity	2.8 NTU	0.033 NTU
High Temperature	High 70.9 F Low 54.4 F	
Hardness	137 mg/l	137 mg/l

Preventative Maintenance Tasks: Staff completed 178 preventative maintenance tasks and 12 safety sessions during the month.

Work Orders: Staff completed 10 work orders. Some of the tasks include repairing chlorine leaks, repairing chemical feed pumps, forming and pouring concrete for roof drain outfalls, and replacing the brakes on two of the trucks.

Plant: Work continues on the new Kathabar install. The UCMR4 testing for July was completed. Lead and Copper testing is underway. Distribution workers dug a test hole near the ground water test wells and the water levels are being monitored and recorded daily

