

*****ATTACHMENTS*****

BOARD OF WATERWORKS COMMISSIONERS - 4:00 PM - (Monday, June 15, 2020)

Generated by Joe Trueblood on Tuesday, June 16, 2020

Members present: President Gerald Van De Kreeke, Secretary Mark Smith, Member Tom Howe (all remote)

Staff present: Superintendent Joe Trueblood (remote)

1. OPENING OF MEETING

President Van De Kreeke called the meeting to order at 4:00 pm.

1.1 Pledge of Allegiance

All present honored the flag.

2. MINUTES2.1 Approval of minutes from the May 26, 2020 meeting

Commissioner Howe made a motion, seconded by Commissioner Smith, to approve the minutes of the May 26, 2020 Board meeting. Motion passed unanimously.

3. REPORTS3.1 Financial reports

Superintendent reviewed the reports prepared by Accountant Gottsacker. Revenues for May were down due to reduced industrial water demands during the pandemic slow-down. Superintendent noted the receipt of funds from the Bond Anticipation Note to be used for design and engineering on the raw water improvements project. We are still waiting on a rate application submitted to WI PSC late in 2019.

3.2 Superintendent's report including operations, construction-maintenance, and customer relations/fiscal

Superintendent noted that water demands for May had declined 30% from May of 2019. Commissioner Smith inquired if any expenses could be reduced due to the decrease. Superintendent noted that, other than expendables such as chemicals and electricity, most of the plant operating cost is fixed, and efficiency declines as water demand declines. Many capital projects, however, have been delayed.

Superintendent noted that the construction crew had been installing auto hydrant flushers and conducting other routine maintenance throughout the distribution system, including replacement of a short length deteriorated water main on Kansas Avenue.

Superintendent noted that the payment window reopened on May 26 and has been in steady usage, with increased safety measures in place. Fewer payments were received in May 2020 compared to May 2019, probably due to lack of a disconnection program and/or late fees. Calls and field activity were also reduced. Looking forward, large meter change-outs will start later in June, along with some cross connection inspections.

Commissioner Smith made a motion, seconded by Commissioner Howe, to accept the financial and superintendent's reports as presented. Motion passed unanimously.

4. ITEMS PREVIOUSLY HELD OVER FOR DISCUSSION AND POSSIBLE ACTION4.1 Lead service line replacement program

Superintendent advised the Board that WI PSC indicated the LSL proposal will likely be addressed by the Commission during June. Superintendent reviewed that WI PSC had requested the Utility to switch its proposal from use of grants with municipal assessments to grants with utility loans in order to avoid legal issues. This occurred after information had gone out to customers on Geele Avenue regarding municipal assessments. At this point, rather than add more confusion, Superintendent hopes the matter is considered by the WI PSC before the end of June so that we have clarity and authorization on our program. With that authorization, the Utility would then request that the Public Works Committee approve new ordinance language in conformance with the modified LSL program. Timing is problematic, because work on Geele Avenue is anticipated to begin soon. If all goes according to plan, we should have everything approved and in order by mid July, with work on laterals not expected to begin until later in July or early in August. Superintendent advised there isn't much to be done except to keep moving forward, but certainly our customers will feel some confusion at the modification of the program mid-stream.

4.2 Raw water improvements project

Superintendent reported that detailed work has been completed on the project, including pump and genset analysis. A site survey is underway. Details on shoreline protection measures are under consideration. A favorable building location was discussed at staff level with city DPW, development, and planning. Later this week, CDM Smith and the Utility will have a follow up teleconference with WI PSC to update them on the project. Otherwise, status is favorable for completion of preliminary engineering in August 2020. Commissioner Smith asked if

economic downturn might affect WI PSC's construction authorization on the project. Superintendent responded there is a possibility it might enter into their financial calculations and size of the project, but the technical need for the project is so significant that WI PSC will likely lean toward approval.

5. ITEMS FOR DISCUSSION AND POSSIBLE ACTION

5.1 Request approval of change order on Maryland/S. 11th St. water main project

Superintendent advised that DPW and the Utility have a joint project for street, sewer, and water main repairs in the vicinity of Rockline Industries. Due to concerns over construction work impacting the old water main currently serving Rockline, and Rockline's role in disinfectant production, the project was delayed for several months but DPW is now ready to move forward with it. The Utility had discussed a plan to minimize risk of sudden water loss by installing a temporary 6" HDPE water main to serve Rockline. This would be installed ahead of the overall project. The pipe would extend about 560 LF and be buried 2 feet in the ground. Once in service, then the old water main would be disconnected, and no longer vulnerable to construction impacts. Rockline agreed to pay 1/3 of the construction costs for installing the temporary water main. The Utility then requested a change order from Vinton Construction for the temporary water main, and the total cost was \$62,000, including all necessary taps and tie-in parts. Commissioner Smith made a motion, seconded by Commissioner Howe, to approve the change order and the agreement with Rockline Industries. Motion carried unanimously.

5.2 Request approval of proposal for purchase of replacement actuator

Superintendent reported that a 13 year old actuator on high lift pump #5 had failed. Operations Supervisor Swearingen considered rebuilding the actuator, but the cost was nearly the same as the purchase price of a new unit. Commissioner Smith made a motion, seconded by Commissioner Van De Kreeke, to approve the purchase of a replacement actuator from Dorner Co. at a cost of \$4,895. Motion carried unanimously.

5.3 Request approval to restrict funds for potential health insurance laser liability

At the Utility's annual health insurance renewal, the inclusion of two laser deductibles was discussed; this had increased from one laser deductible in the prior year. As such, Superintendent and Accountant Gottsacker felt it would be good practice to restrict a cash amount to cover the possible liability, which is a total increase of \$380,000 over the two separate individual deductibles. Commissioner Van De Kreeke made a motion, seconded by Commissioner Smith, to authorize the restriction. Motion carried unanimously.

5.4 Request approval of commercial insurance package

Superintendent reminded the Board of the Utility's switch from Selective Insurance to the League of WI Municipalities three years ago for its commercial insurance line including property, crime, inland marine, general liability, public officials, automobile, umbrella, and cyber/data coverage. The League's renewal quote, provided by McClone, for the coming year came in at a total premium of \$78,273. This included a blanket building contents and property in the open total of \$62,953,455, which was based on a new appraisal done approximately 2.5 years ago by the League. Selective Insurance, represented by Hub International, provided a quote with a total premium of \$71,405. Both Superintendent and Accountant Gottsacker reviewed the proposals and felt they were equivalent in terms of coverage, though an exact comparison of all element details is difficult. Superintendent noted that working with Hub/Selective and McClone/League were both good experiences. Commissioner Howe made a motion, seconded by Commissioner Smith, to accept the lower cost renewal proposal from Hub/Selective Insurance. Motion carried unanimously.

5.5 Request approval of R.O. transmitting WI PSC annual report to Council

Superintendent requested the Board's approval to transmit the 2019 WI PSC annual report to the Common Council. The report contains a wealth of information about operations and financials of the Utility. Commissioner Smith made a motion, seconded by Commissioner Howe, to approve the R.O. Motion carried unanimously.

5.6 WI PSC Code changes

None were noted

5.7 Approval of vouchers

Commissioner Smith made a motion, seconded by Commissioner Van De Kreeke, to approve the general vouchers of \$316,888.21 and gross payroll of \$239,471.04 for May. Motion carried unanimously.

6. PERSONNEL

6.1 Covid-19 update

Superintendent noted that customers have been using the payment window, and additional steps were taken to provide safe service. In-house residential work continues to be on hold, but industrial meter replacements will start soon. Commissioner Van De Kreeke asked if face shields were available for some of the work, and Superintendent noted that a supply is available to staff upon request. This can provide an additional barrier to a face covering. Otherwise the Utility continues to practice physical distancing, disinfection measures, some staff working remotely to reduce overlap, and weekly assessment of the situation.

7. NEXT MEETING

7.1 Next meeting will take place on Monday, July 20, 2020 at 4:00 pm.

8. ADJOURN

8.1 Motion to Adjourn

Commissioner Smith made a motion to adjourn at 4:45 pm, seconded by Commissioner Howe. Motion carried unanimously.



CASH RESERVE

June 30, 2020

Ending balance on report for May 31, 2020	<u><u>\$ 11,305,758.55</u></u>
Plus: Receipts	329,017.95
Misc Receipts (includes large stop loss reimbursement)	352,628.96
Direct Pay Receipts	237,789.12
Money Market/CDARs Investment Interest	3,359.35
Minus:	
Disbursements - vendors and payroll	(775,672.04)
Bank Service Fees Credit	(815.12)
Health & Dental Claims/Adm Costs	(374,430.97)
NSF Checks & Customer Refunds	(740.55)
PSN Deposit Fees	(246.61)
Reallocate Sewer/Garbage - payments	4,433.67
Reallocate Sewer/Garbage - monthly	(984.33)
Online Payments in Transit	(4,590.96)
SDWL Reimbursements	27,346.75
Deluxe Deposit Slip Order	(177.99)
Postage	(3,000.00)
Utility Water Payments	(10,794.29)
Ending Balance June 30, 2020	<u><u>\$ 11,088,881.49</u></u>

Note: The above amount includes:

Bond Reserve Fund	706,626.79
CD Investment Account - 12 month	1,042,842.10
CD Investment Account - 12 month	1,381,734.36
CD Investment Account - 6 month	500,139.73
CD Investment Account - 6 month restricted	2,000,471.26
Money Market Investment	1,037,149.11
Health Insurance Restricted Reserve	380,000.00
BAN Funds for Construction	1,091,010.00
Total	<u><u>\$ 8,139,973.35</u></u>

General Unrestricted Operating Cash	2,948,908.14
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RETURN ON RATE BASE

June 30, 2020

	JUNE 2020	JUNE 2019
<u>Add 2 YR Average</u>		
Utility Plant Balance	\$ 64,849,832	\$ 61,797,662
Materials and Supplies Inventory	\$ 316,436	\$ 310,137
<u>Less 2 YR Average</u>		
Reserve for Depreciation	\$ 21,445,756	\$ 20,000,905
Customer Adv for Const	\$ -	\$ -
 Average Rate Base	 \$ 43,720,512	 \$ 42,106,895
 Net Operating Income YTD	 \$ 286,847	 \$ 836,623
 Net Operating Income As a Percent of Average Net Rate Base	 0.66%	 1.99%

Rate base is calculated using the two year average balance in the following accounts:

Utility Plant Balance - includes all capital assets less any contributed capital assets.

Materials and Supplies Inventory - includes all materials and supplies on hand and in inventory.

Reserve for Depreciation - includes depreciation on capital assets less any contributed capital assets.

REPORT OF BILLING

JUNE 2020

	<u>2020</u>	<u>2019</u>	<u>Increase or (Decrease)</u>
<u>Quarterly Metered*</u>			
<i>(Dist I - north of Superior Ave)</i>			
Residential	208,283.26	198,642.37	9,640.89
Multi-Family	16,236.10	15,436.37	799.73
Commercial	10,780.06	13,993.46	(3,213.40)
Industrial	447.00	623.67	(176.67)
Public	<u>2,621.93</u>	<u>3,749.90</u>	<u>(1,127.97)</u>
Subtotal	238,368.35	232,445.77	5,922.58
Public Fire Protection	63,214.27	63,308.16	(93.89)
Flat Rate	27,781.03	26,993.90	787.13
Monthly Metered	<u>259,244.20</u>	<u>380,689.68</u>	<u>(121,445.48)</u>
Sheboygan Net	588,607.85	703,437.51	(114,829.66)
Sheboygan Falls	46,185.36	46,572.68	(387.32)
Kohler	<u>24,038.76</u>	<u>32,545.44</u>	<u>(8,506.68)</u>
Total	658,831.97	782,555.63	(123,723.66)

* Billing for scheduled district only for the three preceding months usage.

Total accumulative billing for 2020 is \$3,810,801.06. A decrease of \$505,180.82 from 2019 accounted for as follows:

	<u>2020-Total Year to Date</u>
Sheboygan	(487,379.78)
Sheboygan Falls	11,266.32
Kohler	<u>(29,067.36)</u>
	(505,180.82)

Total bills mailed June, 2020: 6,929

Residential	6,215	Multi-Family	5		
Multi-Family	86	Commercial	18		
Commercial	212	Industrial	64		
Industrial	6	Public	9	Fire Protection	280
Public	34			Flat Rate	280
Quarterly	6,553	Monthly	96		



STATEMENT OF NET POSITION
JUNE 30, 2020 AND 2019

<u>Assets and Other Debits Utility Plant</u>	<u>Year to Date 2020</u>	<u>Year to Date 2019</u>	<u>Liabilities and Other Credits</u>	<u>Year to Date 2020</u>	<u>Year to Date 2019</u>
Utility Plant	73,421,710	70,610,952	<u>Proprietary Capital</u>		
Depreciation- Utility Plant	23,905,065	22,325,296	Capital Paid by Municipal	1,640,701	1,640,701
Net Utility Plant	<u>\$ 49,516,645</u>	<u>\$ 48,285,656</u>	Unapprop. Earned Surplus	44,826,149	42,924,635
			Total Proprietary Capital	<u>\$ 46,466,850</u>	<u>\$ 44,565,336</u>
<u>Other Property and Investments</u>			Bonds, Loans & Advances	13,677,170	11,606,505
Appropriated Funds	-	149,888	Total Long Term Debt	<u>\$ 13,677,170</u>	<u>\$ 11,606,505</u>
Bond Redemption Fund	706,627	706,627			
Net Pension Asset ¹	-	387,084	<u>Current & Accrued Liabilities</u>		
Deferred Outflow - Pension & OPEB ¹	1,262,190	729,101	Accounts Payable	-	4,168
Total Other Prop & Investment	<u>\$ 1,968,817</u>	<u>\$ 1,972,700</u>	Accrued Liabilities	1,222,398	1,213,611
			Total Current & Accrued Liab.	<u>\$ 1,222,398</u>	<u>\$ 1,217,778</u>
<u>Current and Accrued Assets</u>			<u>Deferred Credits</u>		
Cash & Investments	10,383,005	7,284,393	Bond Premium	238,897	281,009
Accounts Receivable	1,381,080	1,503,437	Pre 2003 Depr on Contributed Assets	87,922	113,055
Grant Receivable - Restricted ²	10,000	2,500		<u>\$ 326,819</u>	<u>\$ 394,064</u>
Materials & Supplies Inventory	331,498	301,373	<u>Operating Reserves</u>		
Prepaid Expenses	15,040	12,811	Net Pension & OPEB Liability ¹	275,425	299,388
Total Current & Accrued Assets	<u>\$ 12,120,622</u>	<u>\$ 9,104,514</u>	Deferred Inflow - Pension & OPEB ¹	1,103,698	766,023
			Accrued Vac & Sick Leave	533,725	513,775
Total Assets and Debits	<u><u>\$ 63,606,084</u></u>	<u><u>\$ 59,362,869</u></u>	Total Operating Reserve	<u>\$ 1,912,848</u>	<u>\$ 1,579,186</u>
			Total Liab & Other Credits	<u><u>\$ 63,606,084</u></u>	<u><u>\$ 59,362,869</u></u>

¹ See full audited Financial Statements for disclosures and details regarding pensions and OPEB.

² Grants Receivable - Restricted pertains to the Lead Water Service Lateral Replacement Program funded by the DNR.



STATEMENT OF REVENUE, EXPENSES AND CHANGES IN NET POSITION

JUNE 30, 2020 AND 2019

	2020		2019		Incr (Decr) YTD	% Incr/Decr YTD
	MONTH	YTD	MONTH	YTD		
Sales Revenue ¹	\$ 660,877	\$ 3,521,974	\$ 788,479	\$ 4,047,587	\$ (525,614)	-12.99%
Other Water Revenue ²	\$ 5,026	\$ 48,792	\$ 5,051	\$ 24,288	\$ 24,504	100.89%
Total Operating Revenues	\$ 665,903	\$ 3,570,766	\$ 793,529	\$ 4,071,875	\$ (501,109)	-12.31%
Operating Expenses ³	274,984	1,604,563	236,933	1,636,055	(31,492)	-1.92%
Maintenance Expenses ⁴	61,557	315,473	26,692	307,270	8,203	2.67%
Depreciation Expenses ⁵	126,506	776,365	115,035	707,821	68,543	9.68%
Taxes	101,382	587,518	101,391	584,107	3,411	0.58%
Total Operating Expenses	\$ 564,429	\$ 3,283,917	\$ 480,050	\$ 3,235,252	\$ 48,665	1.50%
Utility Operating Income	\$ 101,474	\$ 286,848	\$ 313,479	\$ 836,623	\$ (549,775)	-65.71%
Other Income & Expense						
Non-operating Grant Revenue	12,500	32,950	-	5,000	27,950	
Non-Operating Grant Expenses	(12,500)	(32,950)	-	(5,000)	(27,950)	
Bond Premium	2,989	16,686	2,739	16,436	250	
Interest Earned on Investments	3,976	25,087	5,940	37,435	(12,347)	
Contributions	-	-	-	-	-	
Other Expense	-	(23,650)	-	-	(23,650)	
Misc Amortization	2,094	12,567	2,094	12,567	-	
Bond Interest Expense	(28,214)	(159,884)	(26,368)	(158,844)	(1,040)	
Change in Net Position	\$ 82,319	\$ 157,653	\$ 297,885	\$ 744,217	\$ (586,563)	

¹ The decrease in Sales Revenue is due to a decrease in usage among industrial, commercial and public authority customers related to economic conditions most likely caused by the on-going health emergency. Usage among residential and multi-family customer classes appears normal.

² The increase in Other Water Revenues includes a class action settlement pertaining to the purchase of liquid alum over a number of years.

³ The decrease in Operating Expense is due to a decrease in pumping and water treatment expense, worker's comp rebate, and stop loss reimbursement on medical claims.

⁴ The increase in Maintenance Expense is due to treatment plant roof repairs, the timing of meter testing, and more water main work by SWU staff in 2020.

⁵ The increase in Depreciation Expense is due to the capitalization of the Horizon water tower, including new infrastructure at the SouthPointe Enterprise Campus.



APPROVAL OF VOUCHERS
June 30, 2020

<u>Total Of The General Vouchers</u>	<u>\$ 621,743.90</u>
<u>Gross Payroll</u>	<u>\$ 160,412.44</u>
<u>Net Payroll</u>	<u>\$ 100,190.63</u>

BOARD OF WATER COMMISSIONERS

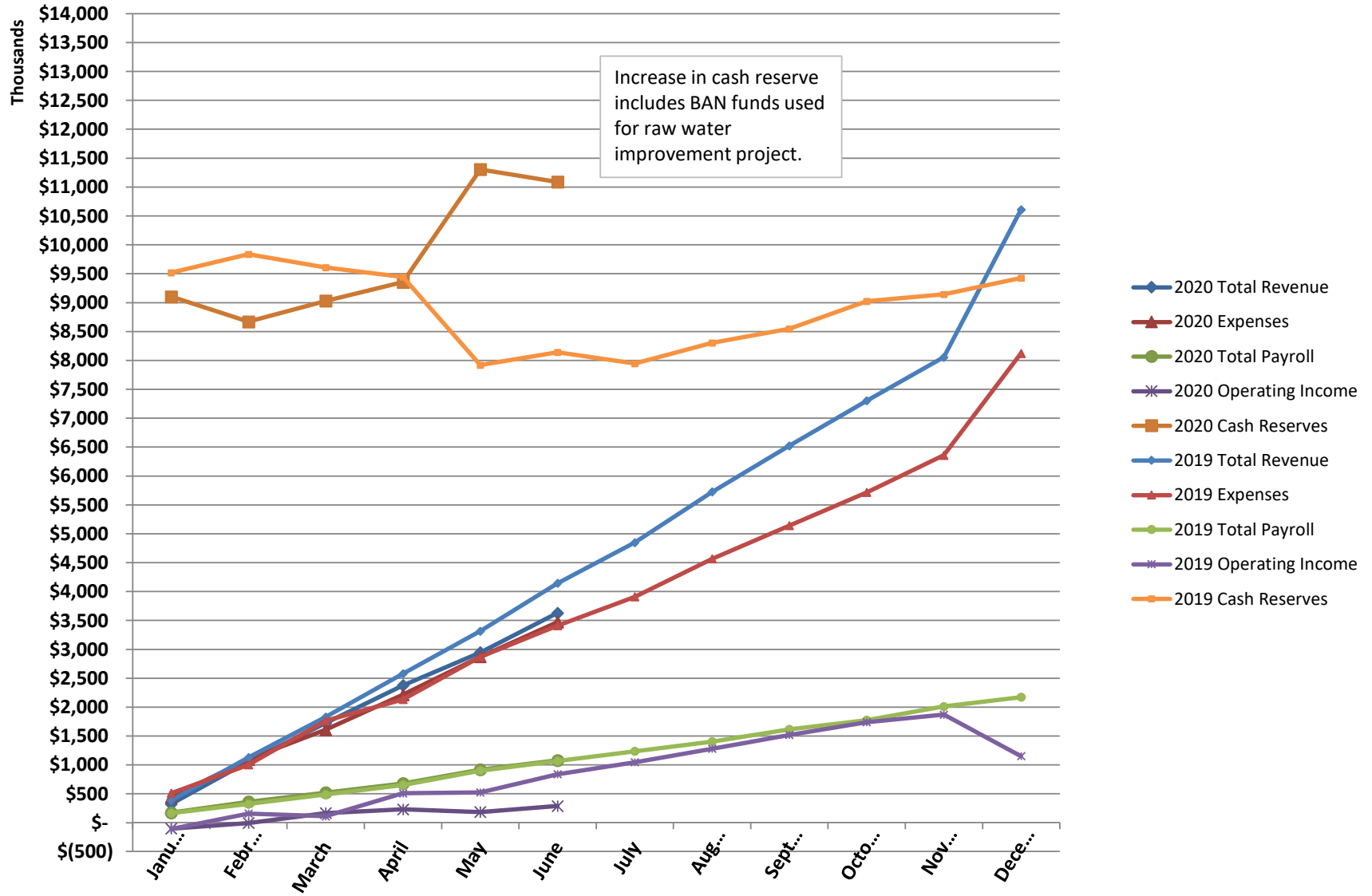
PRESIDENT

SECRETARY

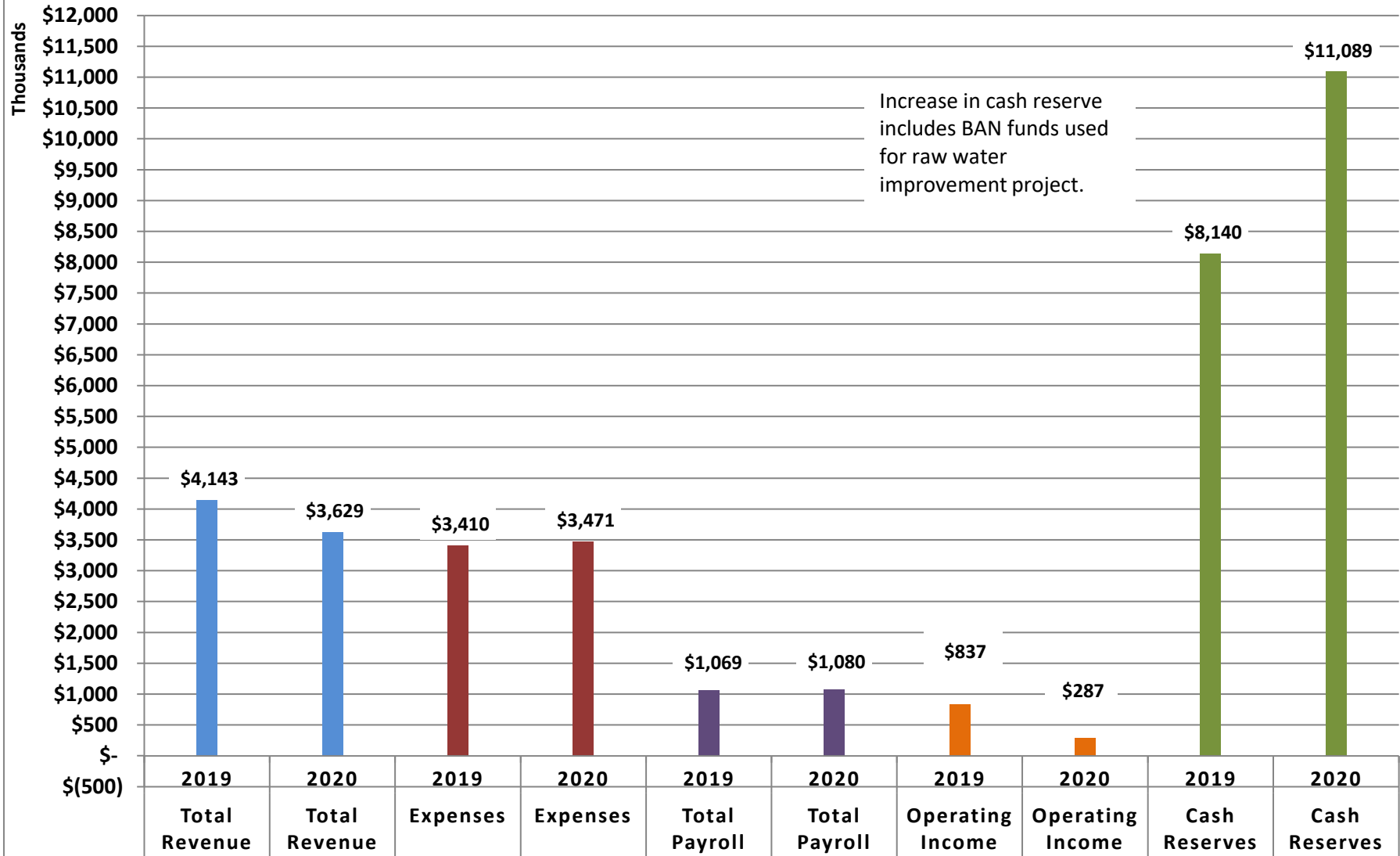
MEMBER

SUPERINTENDENT

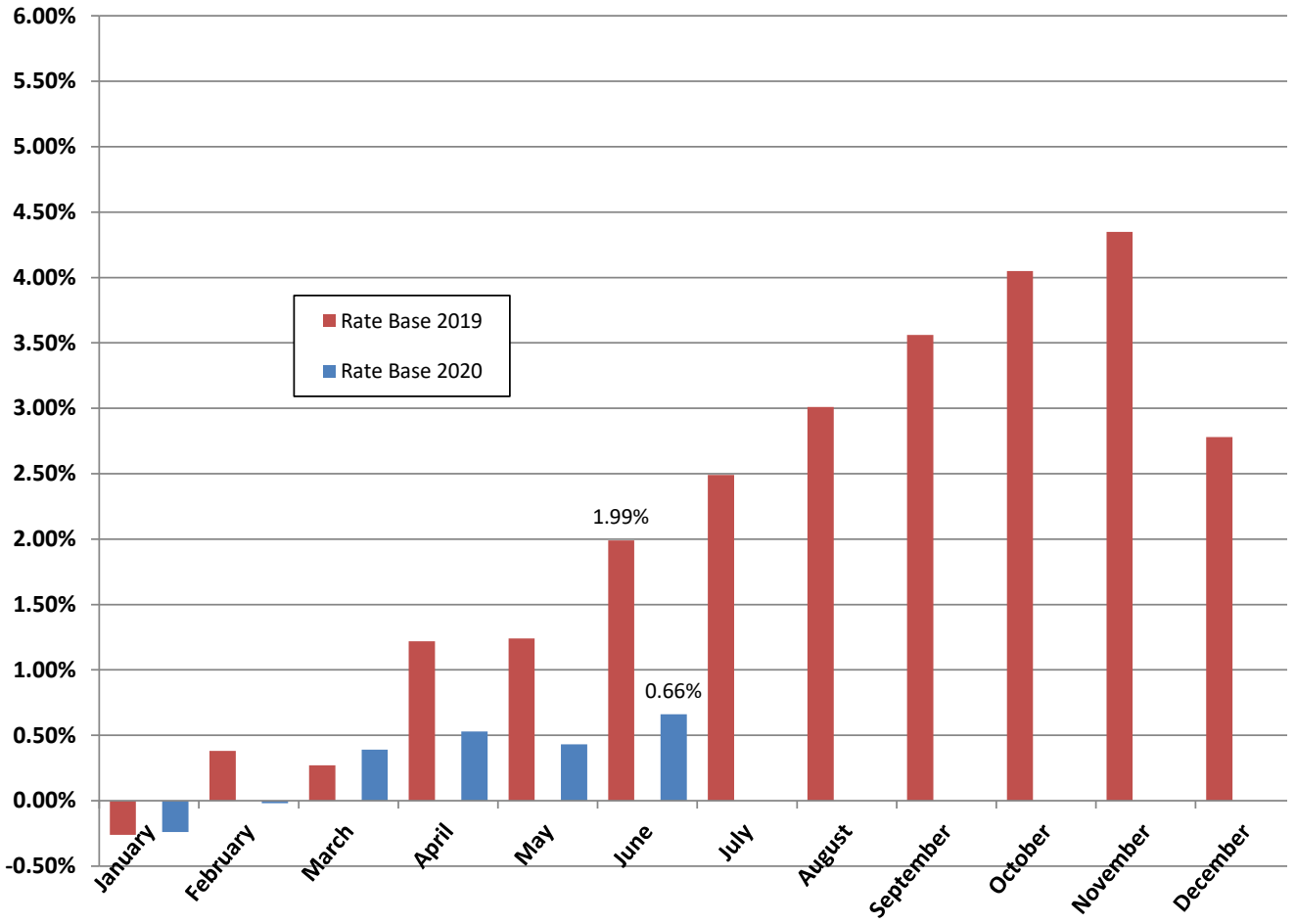
SHEBOYGAN WATER UTILITY JUNE 2020 MONTHLY FINANCIAL TREND



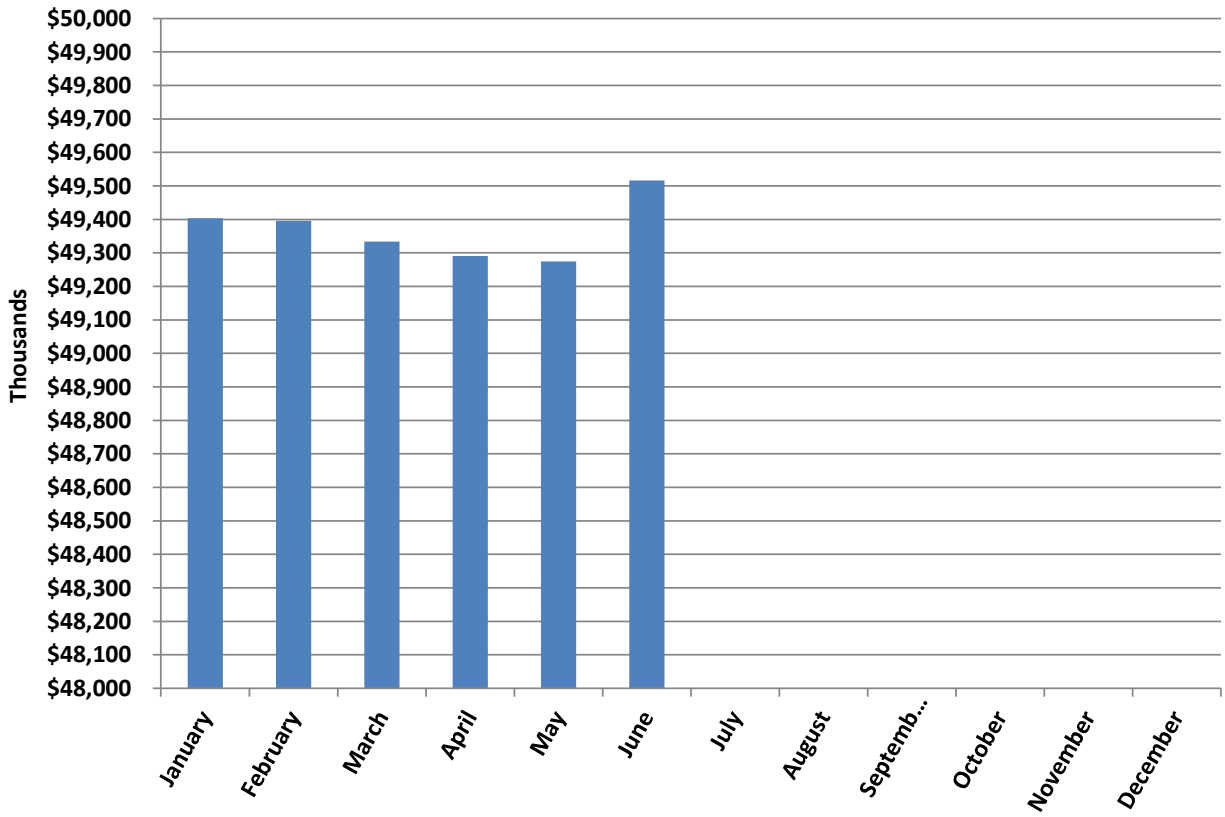
SHEBOYGAN WATER UTILITY JUNE 2020 YTD FINANCIAL POSITION



SHEBOYGAN WATER UTILITY JUNE 2020 RETURN ON RATE BASE



SHEBOYGAN WATER UTILITY JUNE 2020 UTILITY PLANT BALANCE



CUSTOMER RELATIONS & FISCAL SUMMARY

UTILITY BILLS

Mailed
5960

Emailed
2071



PAYMENT TRANSACTIONS

Cash & Check 3,266

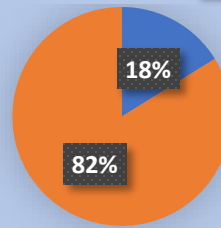
Electronic 2,741

#

6,007

Total Number of
Payments Processed

11
Payments Returned
Not Honorable



■ Auto-Pay
■ One Time

June 2019 June 2020

Payment Window	712	444
Drop Box Payments	219	288
Electronic Payments	3381	2741
Cash/Check Payments	3124	3266
Total Payments	6505	6007

COLLECTIONS

District 2 *Suspended Disco
Program due to Public Health Emergency

\$976,246

Billed

\$196,407

Outstanding After
Due Date

805

Past Due
Letters Mailed

0

Properties
Disconnected

\$109,165

Outstanding At
Month End

CUSTOMER SERVICE

	June 2019	June 2020
Answered Calls	1668	1086
Account Transfers	195	215
Property Data Requests	78	90

PSC COMPLAINTS

1 PSC Complaint(s) Filed
**Regarding Payment Not
Honored Fee. Still outstanding.

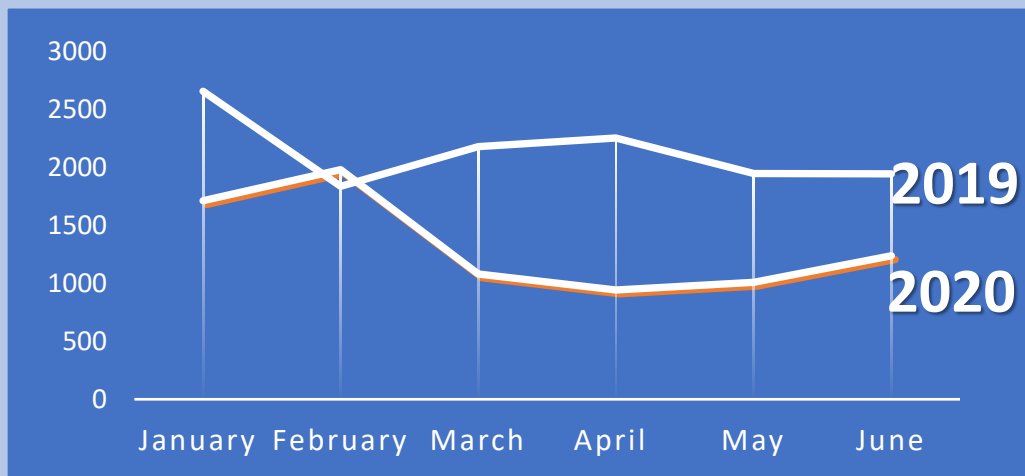
ACCOUNTS PAYABLE

160 Invoices Paid

JUNE
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

SERVICE TECH MILES DRIVEN



CROSS CONNECTION

55 Inspections

*Commercial/Industrial CCC Program started back up in June 2020. Previously suspended due to COVID-19.

LEAK ALLOWANCE

1 Customer Requests **12** CCF Allowed @ Reduced Rate



SERVICE LEAKS

8 New Reported Leaks

7 Leaks Fixed

1 Active Leak(s) Month End
**water off to this leak*

METERS

18

Meters

Installed/Replaced

0

Meters Tested



**JUNE
2020**

CUSTOMER RELATIONS & FISCAL SUMMARY

FACEBOOK PAGE



10 June New Followers

636 Total Followers

WEBSITE VISITORS

2,648



2019 Visits in June: 2,355

Top Page Viewed: Pay Your Bill

MOST IMPRESSIONABLE FACEBOOK POSTS



Published by Tamara Mae [?] · June 23 at 2:16 PM · 🌐

💧 A water shutdown is planned for Wednesday, June 24, 2020 in the area outlined on the map. The shutdown is scheduled to take place from 9:30 am to 2:00 pm. Customers affected by the shutdown are notified by a door phone call. Please store water for hand washing ahead of For more ways to prepare for a water shutdown, click here <http://www.sheboyganwater.org/water-quality/shutdown/>

699 People Reached

67 Engagements

Sheboygan Water Utility
Published by Tamara Mae [?] · June 22 at 9:40 AM · 🌐

The SWU Geele Ave Water Main, Lead Service Line Replacement, and City of Sheboygan Street Resurfacing project is set to start. Please note the road closure.

City of Sheboygan Department of Public Works
June 22 at 8:40 AM · 🌐

Construction on Geele Avenue between North 23rd Street and Calumet Drive will begin Wednesday, June 24, 2020. This is a cooperative project between the City of...
[See More](#)

129 People Reached

17 Engagements



CUSTOMER RELATIONS & FISCAL SUMMARY

ADDITIONAL CR/F ACTIVITIES JUNE

- ◆ June was the first full month with the payment window back open after its closure due to COVID-19.
- ◆ Disconnection program for nonpayment is still suspended due to public health emergency and state emergency order.
- ◆ The commercial and industrial cross connection inspection program resumed in June after being suspended due to COVID-19. This program is administered by HydroCorp.
- ◆ Service Techs plan to resume meter change outs for industrial and commercial customers in July.

JUNE
2020

June 2020

OPERATIONS' DEPARTMENT MONTHLY REPORT

PUMPAGE	HIGH LIFT		LOW LIFT		2020 VS 2019
	2019	2020	2019	2020	
Total in MG	390.490	364.889	390.659	369.230	HL -6.56%
Daily Average (MG)	13.016	12.184	13.022	12.308	
Max. Day (MG)	15.352	14.858	15.467	15.409	2020 VS 2018
					HL
Gal/Kwh	1,196	1,171	5,207	5,249	-17.96%
ELECTRICAL COSTS					
	2019		2020		
A. Pumping:	Kwh	\$	Kwh	\$	
High Lift	324,511	\$25,586.15	311,067	\$23,008.91	
Low Lift	74,597	\$5,881.62	70,347	\$5,203.44	
Wash Pump 1	1,400	\$110.38	1,400	\$103.55	
Georgia St. Bstr.	51,600	\$5,826.83	44,700	\$4,535.04	
Wilgus Ave. Bstr.	3,000	\$375.67	3,400	\$414.83	
EE Pit / Bstr.	2,093	\$262.31	5,663	\$658.45	
Erie Ave. Bstr.	16,800	\$2,192.95	16,400	\$2,200.88	
Sub Total	474,001	\$40,235.91	452,977	\$36,125.10	\$/Kwh -6.0%
B. Treat./Fiscal/Misc.	Kwh	\$	Kwh	\$	
Office & Maint. Bldg.	12,800	\$1,494.00	2,101	\$1,722.52	
Filter Plant / Pump Station / 2nd Service	49,492	\$3,902.21	42,386	\$3,605.24	
Sub Total	62,292	\$5,396.21	44,487	\$5,327.76	\$/Kwh 38.2%
C. Distribution:	Kwh	\$	Kwh	\$	
Taylor Hill Tank	207	\$40.47	1,346	\$173.14	
Kohler Meter Pit	0	\$0.00	0	\$0.00	
EE Tower	98	\$27.65	1,277	\$165.21	
Washington (PRV) Pit	220	\$44.23	359	\$62.88	
Sub Total	525	\$112.35	2,982	\$401.23	\$/Kwh
Total Electrical Costs	536,818	\$45,744.47	500,446	\$41,854.09	-1.9%
Electrical Cost / MG		\$117.15		\$114.50	
NATURAL GAS COSTS					
	2019		2020		
	CCF Used	Cost	CCF Used	Cost	
Production Facility	331	\$173.03	251	\$117.33	
South Basin	311	\$272.13	131	\$186.03	
Georgia St. Bstr.	9	\$15.26			
Erie Ave. Bstr.	28	\$41.72			
Wilgus Ave. Bstr.	0	\$16.77			
Office & Maint. Bldg.	553	\$269.92	396	\$168.05	
Total Natural Gas Costs	1,232	\$788.83	778	\$471.41	\$/CCF -5.4%
Natural Gas Cost / MG		\$2.02		\$1.29	
CHEMICAL COSTS					
	2019		2020		
	Lbs. Used	Cost	Lbs. Used	Cost	
Alum	37,282	\$5,368.59	39,017	\$5,520.91	-1.7%
Carbon	0	\$0.00	0	\$0.00	#DIV/0!
Chlorine	7,894	\$7,136.18	6,856	\$5,608.21	-9.5%
Fluoride	1,936	\$1,703.68	1,650	\$1,452.00	0.0%
KMnO4	531	\$1,938.15	65	\$237.25	0.0%
Cationic Polymer	0	\$0.00	0	\$0.00	#DIV/0!
Liquid Phosphate	2,432	\$3,088.64	2,686	\$3,411.22	0.0%
Total Chemical Costs		\$19,235.24		\$16,229.58	-15.6%
Chemical Cost / MG		\$49.26		\$44.40	
Grand Total		\$65,768.54		\$58,555.09	-10.97%
Total Cost / MG		\$168.43		\$160.19	-4.89%

YTD HL 2020 vs 2019	-12.92%	YTD HL HIGH DAY PUMPAGE	14.858	June 17, 2020	
YTD HL 2020 vs 2018	-16.25%	YTD HL LOW DAY PUMPAGE	8.396	January 1, 2020	
					YTD HL Ave Day
				2020	10.764
				2019	12.428
				2018	12.866

NOTE:
June Pumpage is down ~6.56%.

COMPARATIVE SUMMARY OF PLANT OPERATIONS

June 2019

vs

June 2020

Pumping Record

High Lift

Low Lift

	2019	2020	Diff.		2019	2020	Diff.
Tot. Water in MG	390.490	364.889	-6.56%	Tot. Water in MG	390.659	369.230	-5.49%
Daily Average	13.016	12.184	-6.39%	Daily Average	13.022	12.308	-5.48%
Maximum Day	15.352	14.858	-3.22%	Maximum Day	15.467	15.409	-0.37%
Minimum Day	9.475	9.044	-4.55%	Minimum Day	9.312	9.247	-0.70%
By Natural Gas	2.318	1.316	-43.23%	By Natural Gas	2.257	0.000	-100.00%
Power in KWH	324,511	311,067	-4.14%	Power in KWH	74,597	70,347	-5.70%
Gals. per KWH	1,196	1,171	-2.10%	Gals. per KWH	5,207	5,249	0.81%
Power \$ / KWH	\$0.07885	\$0.07397	-6.19%	Power \$ / KWH	----	----	----
Power \$ / MG	\$65.52	\$62.95	(\$2.57)	Power \$ / MG	\$15.06	\$14.09	(\$0.97)
Tot. Power \$/MG	\$117.22	\$114.85	(\$2.37)	Tot. Power \$/MG	----	----	----

Treatment Chem.

Lbs. Used

Cost

Total Lbs.	2019	2020	Diff.	Total Cost	2019	2020	Diff.
Alum	37,282	39,017	4.65%	Alum	\$5,368.59	\$5,520.91	\$152.32
Carbon			#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	7,894	6,856	-13.15%	Chlorine	\$7,136.18	\$5,608.21	(\$1,527.97)
KMnO4	531	65	-87.76%	KMnO4	\$1,938.15	\$237.25	(\$1,700.90)
Polymer	0	0	#DIV/0!	Polymer	\$0.00	\$0.00	\$0.00
Liquid Phosphate	2,432	2,686	10.44%	Liquid Phosphate	\$3,088.64	\$3,411.22	\$322.58
Lb/ MG:				Cost / MG:			
Alum	95.4	105.7	10.73%	Alum	\$13.74	\$14.95	\$1.21
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	20.2	18.6	-8.11%	Chlorine	\$18.27	\$15.19	(\$3.08)
KMnO4	1.4	0.2	-87.05%	KMnO4	\$4.96	\$0.64	(\$4.32)
Liquid Phosphate	6.2	7.3	16.85%	Liquid Phosphate	\$7.91	\$9.24	\$1.33

	2019	2020	Diff.		2019	2020	Diff.
Fluoride:				Fluoride:			
Total Lbs.	1,936	1,650	-14.77%	Cost	\$1,703.68	\$1,452.00	(\$251.68)
mg/l applied as F	0.74	0.70		Cost/MG	\$4.37	\$3.98	(\$0.39)
Av. Res. Plt. Tap	0.70	0.71					

Water Quality:

Raw

TAP

	2019	2020		2019	2020	
Turbidity	1.10	1.20		Turbidity	0.032	0.031
pH	8.16	8.28		pH	7.63	7.72
Alkalinity	107.0	106.0		Alkalinity	101.0	100.5
MF (E-Coli)	0.4	1.6		Plate Count	0.00	0.00
Temperature	49.3	46.5		Colilert	0	0
Wash-H2O % /LL	1.66	2.12		Temp.	50.8	48.7
Av. Flt. Run/hrs	121.4	120.2		Cl Res.	0.81	0.92
Av. ROF / MG	1.44	1.40				

Natural Gas:

	2019	2020		2019	2020	Diff.
Nat. Gas Heating	208	130	Plant & South Basin	\$218.29	\$185.80	(\$32.49)
Nat. Gas Pumping	434	252		\$226.87	\$117.56	(\$109.31)

	CCF	Cost	Natural Gas Cost	Natural Gas CCF
#3 Gas Pump	0.0	\$0.00	\$303.36	382
#4 Gas Pump	211.5	\$98.87		
#7 Gas Pump	0.0	\$0.00		
Electric Generator	40.0	\$18.70		
Pumping totals	251.5	\$117.56		

June 2020

		7/1/2020	6/1/2020	
Elapsed Time:				
% Run	No. 6 Pump	57,281.4	57,091.0	190.4
26.4%	Wash Pump Meter	5,522.96	5,501.35	21.61
3.00%	No. 7 Pump	670.5	670.5	0.0
0.0%	No. 8 Pump	59,445.7	59,445.7	0.0
0.0%	No. 9 Pump	3,033.0	2,313.0	720.0
100.0%	Wash Pump 2	660	653.89	6.11
0.8%	No. 1 Prime Pump	1,024.2	1,023.6	0.6
	No. 2 Prime Pump	1,084.7	1,083.8	0.9

		7/1/2020	6/1/2020	
Watt Hour Meters:				
Kw/Hr run	Wash Pump 1	1175.1	1173.1	1,400
64.8	No. 9 Pump	4504.23	4447.88	56,347
78.3	No. 8 Pump	6795.0	6795.0	0
#DIV/0!	No. 6 Pump	7977.2	7927.2	14,000
73.5	Wash Pump 2	67.85	67.2838	679
111.2	No. 1 Pump	7139.253	7041.011	98,242
539.7	No. 2 Pump	4355.404	4290.899	64,505
239.5	No. 3 Pump	7891.241	7751.911	139,330
280.3	No. 4 Pump			0
#DIV/0!	No. 5 Pump	6,657.220	6,648.230	8,990
476.4				
	Garage (MWatt/Hrs.)	1,008.46	1,006.25	2,210

Power Co. (Step #3)	27,650	27,295	426,000
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Left Meter - OUTSIDE

Volume Used:

Nat. Gas (Correct)	42,013,265	41,993,557	24,773
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Elapsed Time:

Emer. Generator	895.9	893.9	2.0
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% Run

Elapsed Time:

25.3%	No. 1 Pump	13,241.5	13,059.5	182.0
37.4%	No. 2 Pump	18,622.39	18,353.05	269.34
69.0%	No. 3 Elec. Pump	27,516.1	27,019.1	497.0
0.0%	No. 3 Nat. Gas Pump	450.7	450.7	0.0
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0
0.7%	No. 4 Nat. Gas Pump	1,607.2	1,602.5	4.7
2.6%	No. 5. Pump	13,942.130	13,923.260	18.870
0.1%	UV Building Generator	78.2	77.8	0.4

		7/1/2020	6/1/2020	
SLUDGE No. 1 Hour Meter		646.7	646.7	0
SYSTEM No. 2 Mag Meter		7,622,110	7,445,929	176,181
Recycle Meter (Reset to zero each month)				176,181

Power Cost	\$0.0739677	Bill >>>	\$32,752.90
	0.513625	KWH >>>	442,800
Init. Chg.	\$31,510.24		
	\$	KWH	
Kohler Pit			
Horizon	\$127.67		904
Taylor	\$173.14		1,346
ALT. 72 Park	\$410.90		800
Geo. Ave.	\$4,535.04		44,700
Wilgus Ave.	\$414.83		3,400
EE Pit	\$658.45		5,663
EE Tower	\$165.21		1,277
Washington	\$62.88		359
Office	\$1,722.52		2,101
Erie Ave.	\$2,200.88		16,400
Total	\$41,981.76		502,950

Low L. KWH	70,347
L.L. Cost \$	\$5,203.44
High L. KWH	311,067
H.L. Cost \$	\$23,008.91
Total Cost	\$28,212.35
Plant Costs	\$3,605.24

SUMMARY

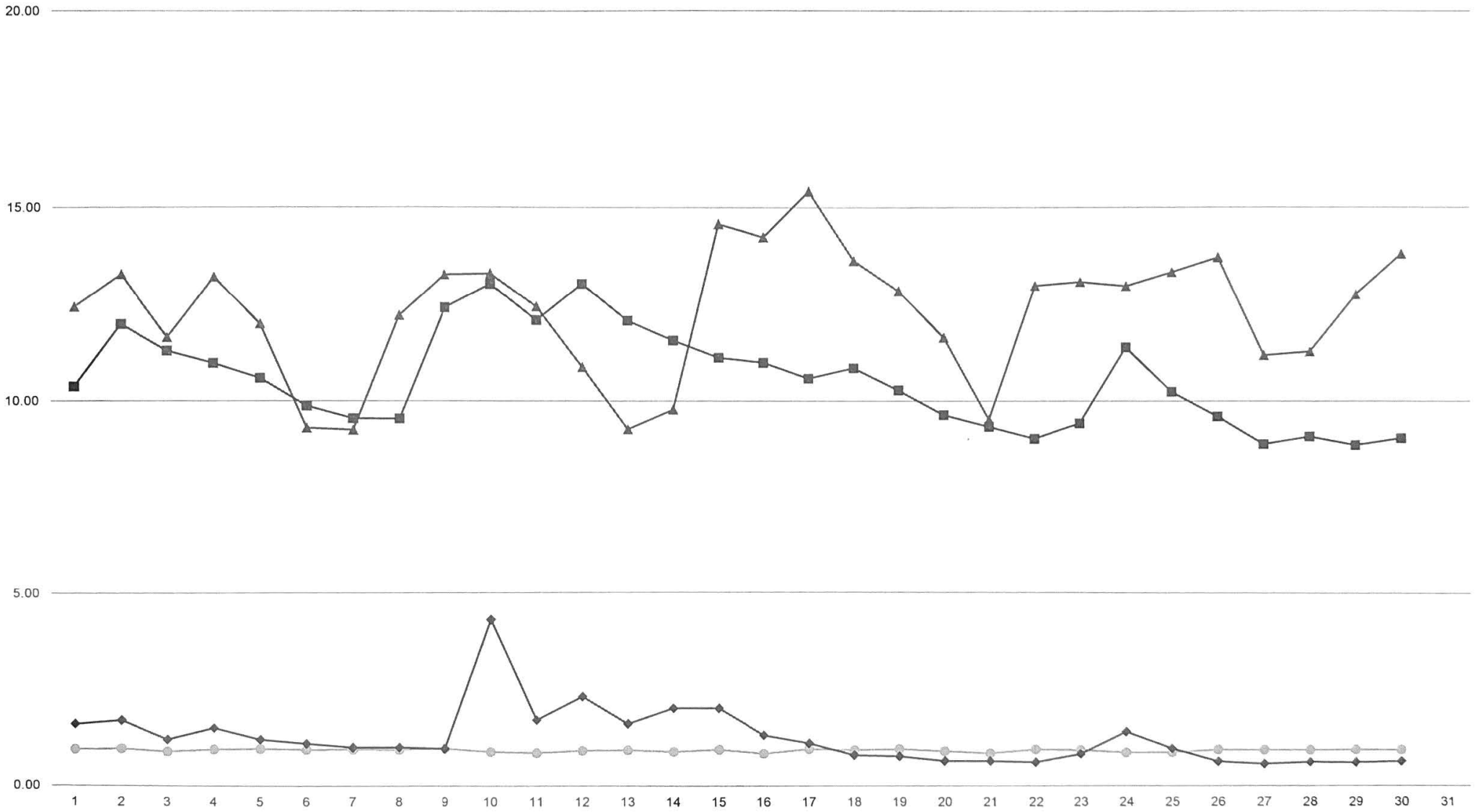
	HIGH LIFT		LOW LIFT	
	2019	2020	2019	2020
Tot. Pump	390.490	365.529	390.659	369.230
Daily Ave.	13.016	12.184	13.022	12.308
Max. Day	15.352	14.858	15.467	15.409
Min. Day	9.475	9.044	9.312	9.247
By Nat. Gas	2.318	1.316	2.257	0.000
Power KWH	324,511	311,067	74,597	70,347
Gals/KWH	1196	1171	5207	5249
Cost/KWH	\$0.07885	\$0.07397	*****	*****
Cost/MG	\$65.52	\$62.95	\$15.06	\$14.09
Tot. Cost/MG	\$117.22	\$114.85	*****	*****

HIGH LIFT DELIVERY		QUARTERLY REPORT		2020	
I. FIRST QUARTER		Jan - Feb - Mar			
		GALLONS	COST \$	\$/MG	
	2019	1,111,503,000	\$217,156.22	\$195.37	
	2020	1,061,714,000	\$197,921.94	\$186.42	
	Percent Difference	-4.48%	-8.86%	-4.58%	
II. SECOND QUARTER		Apr - May - Jun			
		GALLONS	COST \$	\$/MG	
	2019	1,132,902,000	\$192,754.83	\$170.14	
	2020	893,284,000	\$159,034.60	\$178.03	
	Percent Difference	-21.15%	-17.49%	4.64%	
III. THIRD QUARTER		Jul - Aug - Sep			
		GALLONS	COST \$	\$/MG	
	2019	1,240,316,000	\$202,724.19	\$163.45	
	2020	0	\$0.00	#DIV/0!	
	Percent Difference	-100.00%	-100.00%	#DIV/0!	
IV. FOURTH QUARTER		Oct - Nov - Dec			
		GALLONS	COST \$	\$/MG	
	2019	1,040,997,000	\$204,391.07	\$196.34	
	2020	0	\$0.00	#DIV/0!	
	Percent Difference	-100.00%	-100.00%	#DIV/0!	
YEAR TO DATE : 2020					
		GALLONS	COST \$	\$/MG	
ELECTRICITY CHEMICALS NATURAL GAS	2019	4,525,718,000	\$817,026.31	\$180.53	
	2020	1,954,998,000	\$356,956.54	\$182.59	
	Percent Difference	-56.80%	-56.31%	1.14%	
YEAR TO DATE : 2020					
		GALLONS	COST \$		
SLUDGE DISPOSAL to WWTP	2019	5,430,249	\$38,471.09		
	2020	2,151,080	\$16,765.02		
	Percent Difference	-60.39%	-56.42%		
STORM WATER CHARGES	2020	NA	\$0.00		
HIGH LIFT SYSTEM DELIVERY :					
	Maximum Pumpage Day	14,858,000	June 17, 2020		
	Minimum Pumpage Day	8,396,000	January 1, 2020		

	MG	\$	\$/MG
2019	4,525,718,000	\$817,026.31	\$180.53
2020	1,954,998,000	\$356,956.54	\$182.59

NOTE: Monthly sludge disposal costs do not reflect the current actual monthly sludge discharge total to date. Filtrate discharges from Spring/Fall sludge disposal operations are included in treatment plant sludge disposal costs. Spring/Fall basin sludge/residual solids volumes and disposal costs are contract work. Sludge disposal costs are not included in \$/MG.

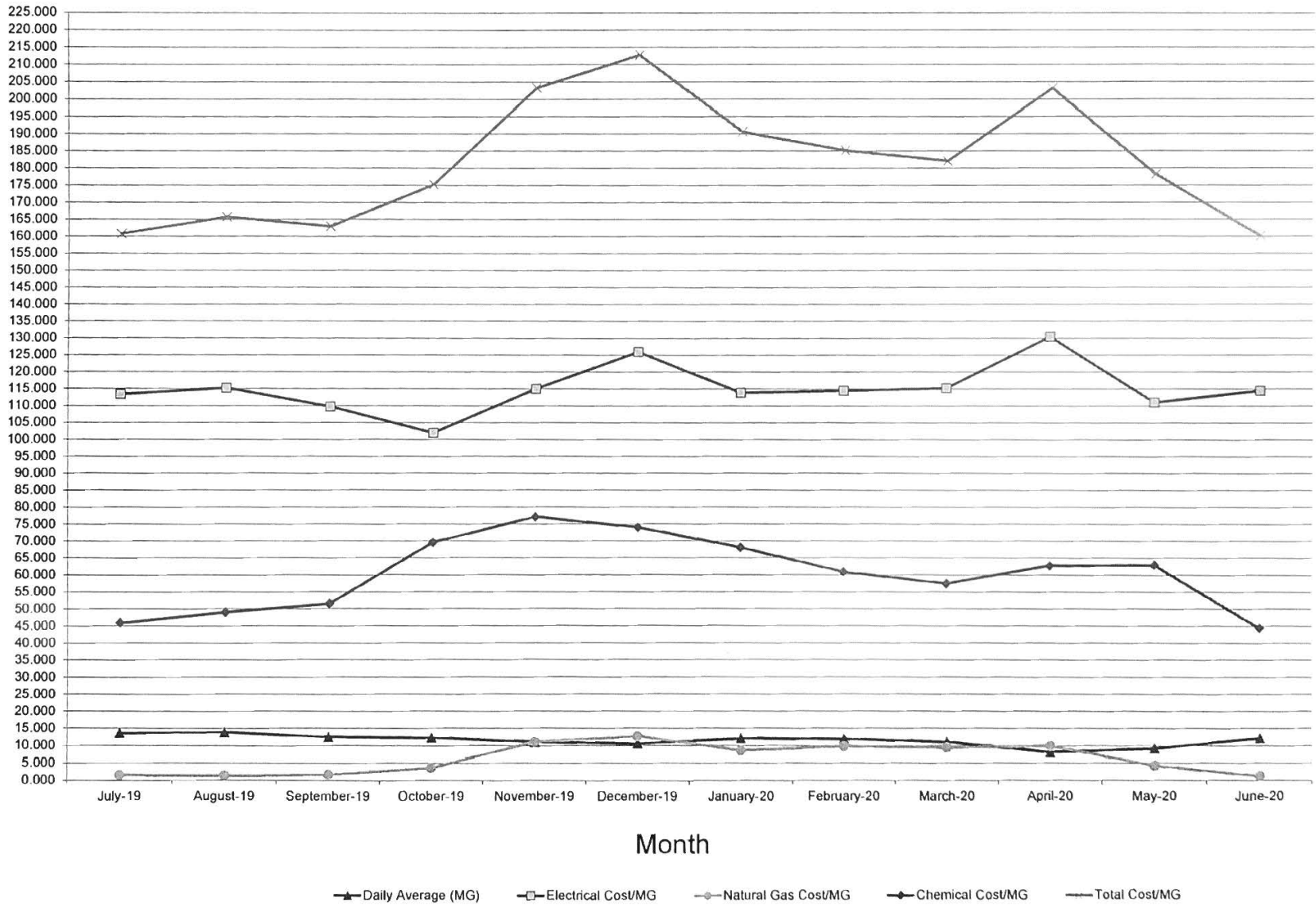
June 2020: Sheboygan Water Utility Plant Operations Summary



▲ Flow (MGD) ■ Alum (lbs/MG) ● CL2 (lbs/MG) ◆ Raw Turbidity (NTU's)

Scaling
Alum (X.10)

Plant Operations: Expense Report



Filter Plant Maintenance Completed For June 2020

Subject	StartDate	EndDate	Description	
Honold	1-Jun-20		Pickup 3" couplings, pipe, and 1 1/2" repair components.	
East Basin	1-Jun-20		Back fill top inspection hole.	
West Hypo Feed Lines	1-Jun-20		Flush both West hypo feed lines.	
East Basin	1-Jun-20		Remove 1 1/2" pipe and inspect 3" wash line (repairs required).	
East Basin PPE and Tools	2-Jun-20		Clean/return tools, PPE, and basin covers.	
East Basin	2-Jun-20		Repair 1 1/2" wash line in Eastern lower side.	
East Basin Wash Line	2-Jun-20		Repair 3" coupling on center section and waste line elbows.	
East Hypo Feed	2-Jun-20		Repair hypo post feed line in UV room; broken hose barb.	
Alum Fill/Blow Line	3-Jun-20		Install new 2" diaphragm valve on bulk alum fill blow off line.	
Orthophosphate Meter	3-Jun-20		Clean and re-fill SWAN orthophosphate meter.	
Menards	3-Jun-20		2" conduit, squeegee, plants, misc.	
Georgia	3-Jun-20		Drop off 2" conduit, squeegee, and check pump house.	
Water Plant Exterior	3-Jun-20		Clean front hall, install two plants, grounds keeping after storm, etc.	
Suction Well	3-Jun-20		Tighten outside wiring connections, pull sensor, remove external buildup, and recheck.	
Trillings	4-Jun-20		Belts for Georgia exhaust fan	
Old Laboratory Fridge	4-Jun-20		Move off-spec. laboratory fridge to Johnson shed.	
Horizon Tower	4-Jun-20		Clean hypo meter, take onsite level reading, and re-calibrate to spec.	
Georgia Ave.	4-Jun-20		Open gate for porta john, inspect building, sweep first floor, inspect fan noise, and install new fan belt.	
South Basin Shelf	4-Jun-20		Install new south basin shelf.	
Diagnose Pump 5	5-Jun-20		Diagnose pump 5 switch gear issues and actuator problems.	
Georgia Ave.	5-Jun-20		Unlock tower access ladder and inspect grounds after wire run.	
Menards	5-Jun-20		Pickup screen and hardware for Georgia Ave. vent cover.	
Trillings	5-Jun-20		Pickup new strikers, flint, and misc.	
Enter UV Reference Information	8-Jun-20		Enter UV reference sensor information into calibration table.	
UV Room	8-Jun-20		Replace overhead light bulb, clean upstairs floor, and repair East door trim.	
UV Reference Sensor Check	8-Jun-20		Perform East UV reference sensor check.	
Menards	8-Jun-20		Purchase screen fabrication materials, seal tight connectors, and nitrile gloves.	
Georgia Ave.	8-Jun-20		Fabricate and install new ventilation screens.	
Filter 2 Waste Valve	9-Jun-20		Install rebuilt filter 2 filter/waste control box.	
Lower Filter Hall and Ops Office	9-Jun-20		Remove garbage from ops office and ops breakroom, sweep lower filter hall, and move valuable/stored items to carbon room.	
Filter 5 Waste	9-Jun-20		Remove, breakdown, and sandblast filter 5 filter/waste control box.	
West Sample Pump	9-Jun-20		Begin west sample pump install; new metal shelf and plumbing.	
Erie Ave.	10-Jun-20		Sweep floor, check grounds, and run generator.	
Hatches Ahern	10-Jun-20		Linked up with Ahern to remove clear well hatches	
Taylor Hill	10-Jun-20		Check grounds, walk upper level (broken/rotted 2x6), and replace reagents.	
Maintenance Shop	10-Jun-20		Install new propane bottle holder	
Basin Hatch Brackets	10-Jun-20		Install new clear well and west basin hatch brackets.	
Clear Well Vents	10-Jun-20		Fabricate and I stall 3 new clear well vent screens.	
Menards	10-Jun-20		Purchase window screen materials for high lift, packing tape, tooling, etc.	
Dan Vacation	11-Jun-20	12-Jun-20	Dan on vacation	
Filter hall/maintenance shop	11-Jun-20		Clean filter hall floor and maintenance shop.	
East Basin	11-Jun-20		Prepare East basin and tools for tomorrows coring.	
Truck 6	11-Jun-20		Clean interior, remove garbage, wash exterior, rinse bed, and lubricate hinges.	
High Lift Screens	11-Jun-20		Install two screens on high lift louver openings.	
Fabricate Screens	11-Jun-20		Fabricate 40"x60" and 46"x64" screens.	
Joshua Operate 1st Shift	12-Jun-20	12-Jun-20	Joshua operating 1st shift for Glen.	

	Yellow indicates days operating or running labs
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East Basin	12-Jun-20		Enter East basin and assist RA smith.
Menards	15-Jun-20		Purchase 2x6 and batteries.
Filter Hall and Operations	15-Jun-20		Clean filter hall, operations office, and empty garbages.
Prepare Anthracite Addition Equipment	15-Jun-20		Pull anthracite hosing, hopper, and filter equipment into place.
Low Lift Monthly Service	15-Jun-20		Perform low lift monthly maintenance service.
High Lift Monthly Service	15-Jun-20		Perform highlight monthly maintenance.
Pipe Gallery/Sump Closet	15-Jun-20		Monthly maintenance check on pipe gallery and sump closet; vacuum pump accumulator jar needed to be emptied.
East Hypo Pump	15-Jun-20		Replace East hypo feed line and fitting; old line became brittle and leaked.
East Basin	16-Jun-20		Finish placing East basin into service.
Control Box	16-Jun-20		Begin rebuilding old filter to waste control box; hole in housing, broken switches, etc.
Filter Anthracite Equipment	16-Jun-20		Organize filter anthracite equipment and prep filter 6 for tomorrows application.
Filter 5 Waste Control	16-Jun-20		Install new filter to waste control box.
Filter 5	16-Jun-20		Wash filter, free filter to waste valve, and remain wasting until NTUs reach .100 or less.
Filter 5 Anthracite	16-Jun-20		Add 2 bags of anthracite to filter 5.
Filter Hall Floor	17-Jun-20		Clean filter hall floors and ready up anthracite equipment.
Filter 7	17-Jun-20		Wash x2 and filter to waste until .05 NTU effluent.
Filter 7	17-Jun-20		Add anthracite to filter 7.
Filter 6	17-Jun-20		Wash x2 and filter to waste until .05 NTU effluent.
Filter 6	17-Jun-20		Add anthracite to filter 6.
Filter hall	18-Jun-20		Clean filter hall floor and disassemble anthracite application devices.
Filter 4	18-Jun-20		Wash filter x2 and filter to waste until .050 NTU is achieved.
Filter 4	18-Jun-20		Add anthracite to filter 4.
Filter 3	18-Jun-20		Wash filter x2 and filter to waste until .050 NTU is achieved.
Filter 3	18-Jun-20		Add anthracite to filter 3.
Filter Plant	19-Jun-20		Throw away filter plant garbage and recycling.
Filter Hall	19-Jun-20		Finish putting anthracite equipment away, check all filter to waste valves, stack pallets, and throw anthracite bags away.
Operators Office, Lunch Room, and Labor	19-Jun-20		Deep clean operators office, laboratory, and lunch room.
Joshua Covering 1st Shift	20-Jun-20	20-Jun-20	Joshua covering 1st shift for Wayne.
Joshua Covering 1st Shift	21-Jun-20	21-Jun-20	Joshua covering 1st shift for Wayne.
Joshua off for Coverage	22-Jun-20	22-Jun-20	Joshua off for covering Saturday and Sunday 1st shift.
Dan operating 1st shift	22-Jun-20	24-Jun-20	Dan Covering 1st shift operations for Wayne
Joshua off for Coverage	23-Jun-20	23-Jun-20	Joshua of for covering 1st shift Saturday and Sunday.
Dan covering Lab	24-Jun-20	26-Jun-20	Dan covering Lab for Eric
Joshua Covering 1st Shift	24-Jun-20	27-Jun-20	Joshua covering first shift for Wayne.
Dan covering 1st shift	26-Jun-20	29-Jun-20	Dan covering 1st shift for Jeff
Dan off for coverage	29-Jun-20	30-Jun-20	Dan off for coverage
Erie Ave.	29-Jun-20		Change reagents, walk grounds, clean NTU meter, and inspect generator.
Georgia Ave.	29-Jun-20		Check reagents and walk grounds; pump 6 check valve is leaking water (snugged packing bolts).
Taylor Hill	29-Jun-20		Check reagents, sweep floor, walk grounds, and empty catch cans.
EE Tower and Wilgus Pump Station	29-Jun-20		Check grounds, inspect pit, and verify pump integrity.
Horizon Tower	29-Jun-20		Inspect grounds, perform hypo calibration, and clean inside floor.
Georgia Ave.	30-Jun-20		Inspect check valve packing for leaks; minor seepage.
Menards	30-Jun-20		Purchase 2x8 board and drill bits.
Taylor Hill	30-Jun-20		Remove rotten 2"x 8" x 8' board at stair entry and install new pressure treated piece; metal steps are marginal.
East Basin Hall and South Foyer	30-Jun-20		Clean East basin hall and south foyer floors.
Sodium Thiosulfate Fan	30-Jun-20		Install screen on thio. fan to prevent insect entry.
Potassium Permanganate Fan	30-Jun-20		Lubricate fan motor and install screen to prevent insect entry.

Distribution System -- June 2020

Street Valves and Hydrant Valves Installed (including water main projects and others)

Location	Date Installed	Size ("), Jt	Installed By	Type
N. Commerce St Between Niagara Ave and Wisconsin Ave	6/17/2020	12" MJ	ute.	G (vert)
N. 23rd St and Geele Ave (N)	6/24/2020	12" MJ	ute.	G (vert)
N. 23rd St and Geele Ave (NE)	6/24/2020	6" MJ	ute.	G (vert)

Total Valves Installed = 3

Street Valves and Hydrant Valves Removed

Location	Installed	Abandoned	Type
----------	-----------	-----------	------

Total Valves Removed = 0

Street Valves and Hydrant Valves Abandoned

Location	Installed	Abandoned
N. Commerce St. at Niagara Ave.	10/12/1984	6/18/2020
Niagara Ave. ~38' E. of c.l. N. 14th St. (NE)	10/13/1999	6/18/2020

Total Valves Abandoned = 2

Street Valves and Hydrant Valves Maintained

Location	Maintained	Size
----------	------------	------

Total Valves Maintained = 0

Hydrants Installed (including water main projects and others)

Location	Installed	Tr Size	Valve	By
N. 23rd St. at Geele Ave. (NE)	6/24/2020	6'	y	ute.

Total Hydrants Installed = 1

Hydrants Removed (including water main projects and others)

Location	Installed	Removed	Hyd Valve?
Saemann Ave. at N. 21st St. (SE)		6/15/2020	n
N. 23rd St. at Geele Ave. (NE)	5/24/1932	6/24/2020	n

Total Hydrants Removed = 2

Hydrants Abandoned (including water main projects and others)

Location	Installed	Abandoned	Tr Size	Hyd Valve?
N. Commerce St. at Niagara Ave. (E)	10/12/1984	6/18/2020	7'	y

Total Hydrants Abandoned = 1

Hydrants Maintained/Moved (including water main projects and others)

Location	Installed	Maintained
----------	-----------	------------

Total Hydrants Maintained/Moved = 0

Water Main Breaks

Location	Date	Size
N. 23rd St and Geele Ave	6/24/2020	12"

Total Water Main Breaks = 1

SUMMARY

Number of feet of 4 inch water main installed	0.0	water main
Number of feet of 6 inch hydrant lead installed	0.0	
Number of feet of 6 inch water main installed	0.0	
Number of feet of 8 inch water main installed	0.0	
Number of feet of 12 inch water main installed	271.3	
Number of feet of 16 inch water main installed	0.0	
Number of feet of 20 inch water main installed	0.0	
Number of feet of 24 inch water main installed	0.0	
Number of feet of water main abandoned or removed	975.0	
Number of water main breaks repaired	1	
Number of hydrants installed	1	hydrants
Number of hydrants removed or abandoned	2	
Number of hydrants maintained or moved	0	
Number of street valves installed	3	valves
Number of hydrant valves installed	1	
Number of street valves removed or abandoned	2	
Number of hydrant valves removed or abandoned	0	
Number of valves maintained	0	
Number of water connections installed	5	

WATER MAIN AND APPURTENANCES INSTALLATION -- June 2020

Water Main Projects (including installation or abandonment of more than 3' of pipe by utility or contractors)

Location: 12" Water Main	Installed	New Valves	New Hyd.	New Hyd Valves	Aband. Valves	Aband. Hyd.	Remove Hyd.	Size "	Feet Installed	New Hyd Lead	Size Aband.	Feet. Aband.	Feet. Rem.	By
N. Commerce between Niagara Ave and Wisconsin Ave	6/19/2020	0	0	0	2	0	0	12	0	0	10 "CIP	575		Ute.
N. Commerce between Niagara Ave and Wisconsin Ave	6/19/2020	1	0	0	0	1	0	12	271.3	0	12" CIP	400		Ute.
Totals		1	0	0	2	1	0		271.3	0				

MONTHLY CONSTRUCTION-MAINTENANCE DEPARTMENT REPORT

June 2020

Distribution System Maintenance:

- Permanent road restoration and sidewalk repair on Kansas Avenue from main break excavation this past winter.
- Valve box repair on Washington Avenue ahead of the City repaving project.
- Installed water main on N Commerce Street; continuing south from Niagara Avenue.
- Removed a hydrant on Saemann Avenue ahead of City repaving project.
- Replaced Ludlow hydrant on Geele Avenue and N 23rd Street.
- Repaired water main break on Geele Avenue.
- Abandoned and reinstalled a new hydrant on Superior Avenue and Taylor Drive
- Assisted Vinton Construction on the temporary water connection to Rockline Industries.
- Hauled in fill to replenish stock.

Water Quality:

- Maintained and calibrated distribution system auto-flushers.
- Completed weekly/monthly dead-end water quality flushing.

Taps:

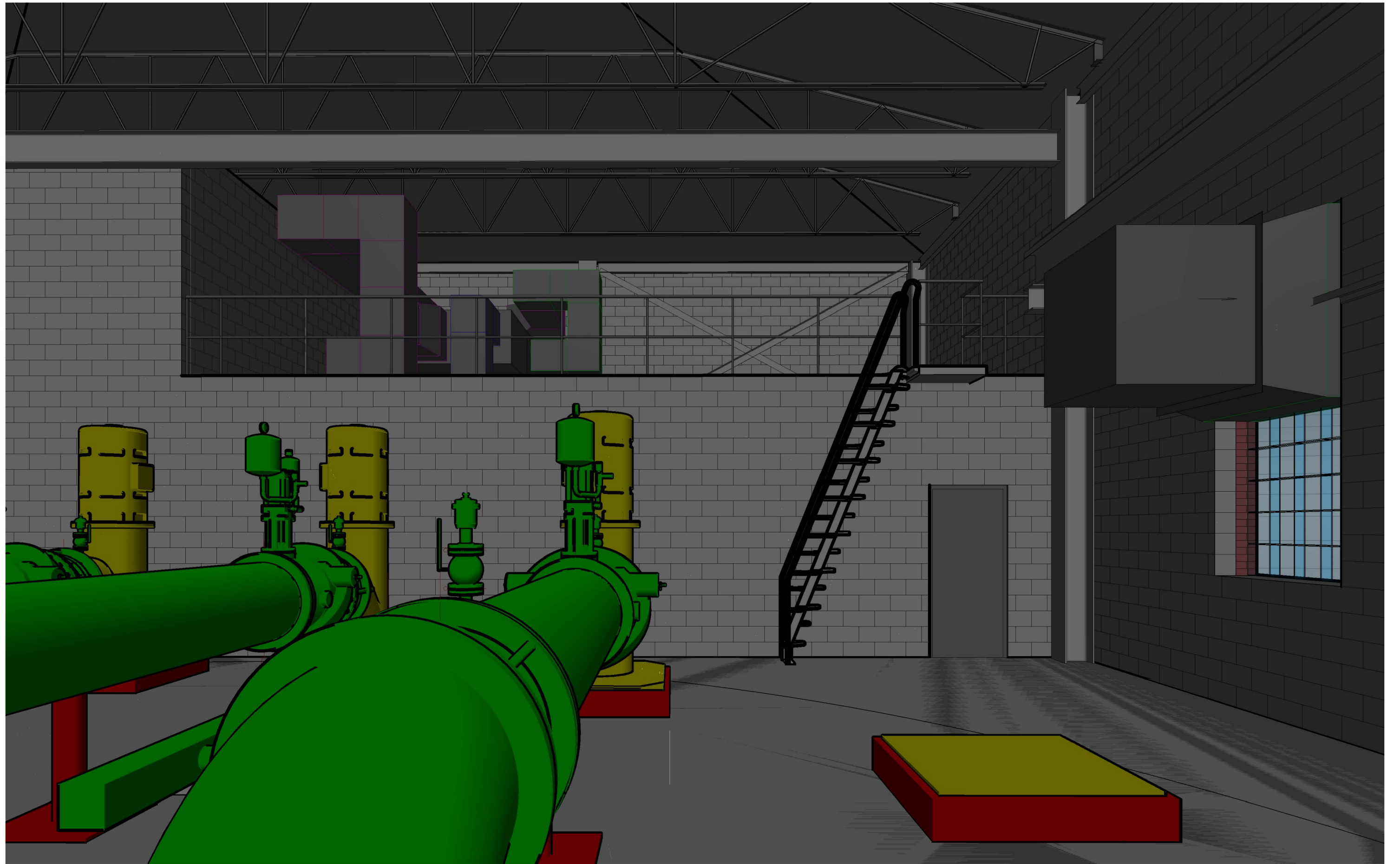
- 1" tap at 1537 S 10th Street. Lead service was removed from the system.
- 1" tap at 412 Ontario Avenue. Lead service was removed from the system.
- 1" tap at 1119 S 9th Street. Lead service was removed from the system.
- 1" tap at 1703 N 20th Street. Lead service was removed from the system.
- 1" tap at 1641 N 10th Street. Lead service was removed from the system.

Building/Grounds Maintenance:

- Aided in installation of SCADA antenna on the temporary tower at Georgia Avenue Standpipe.
- Trucked anthracite from EAPS to the Plant to help operations.
- General shop maintenance and cleaning.

Equipment Maintenance:

- Performed routine maintenance and repairs on construction equipment and vehicle fleet.



Sheboygan Water Utility Raw Water Improvements CONDITIONAL USE AND ARCHITECTURAL REVIEW

May 28, 2020



**CDM
Smith**

Pre-development meeting

Meeting Agenda

- Key Objectives
 - Meet the Team
 - Review Regulatory Considerations
 - Review Proposed Building and Site Layout
 - Review Architectural Design Considerations

Introductions



Regulatory Considerations



Site & Architectural Considerations

BUILDING DESIGN

- Consistency with existing water plant

VOLLRATH PARK

- Frisbee golf course
- Easement

ADJACENT PROPERTY OWNERS

- Storm drainage
- Landscaping
- Outdoor storage of materials & Equipment
- Vehicle access
- Lighting
- Noise

Site & Architectural Considerations

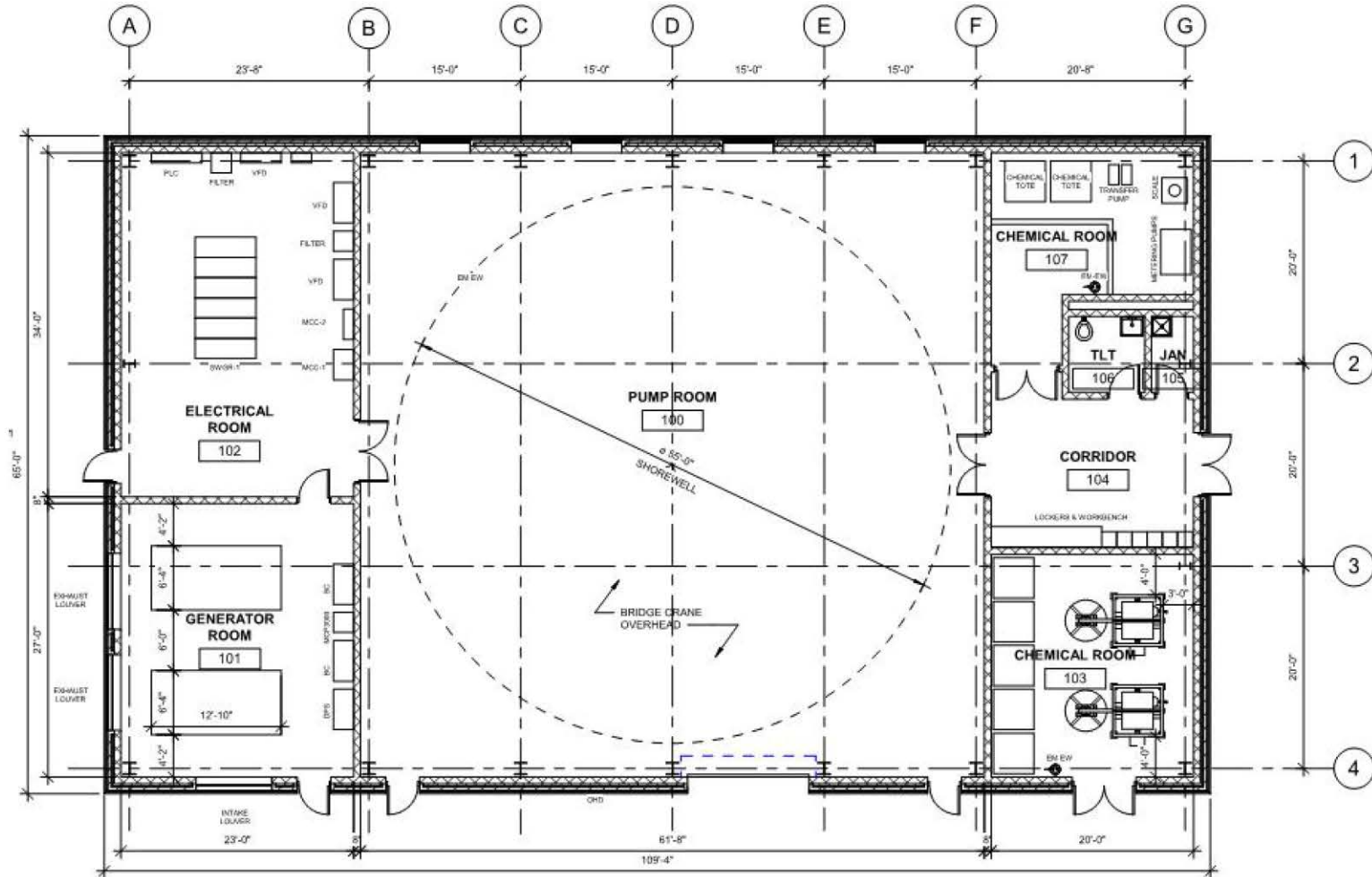
LAKE MICHIGAN

- Floodplain
- Shoreline Protection & Resiliency
- Setbacks from Lake Michigan
- Elevation requirements



Proposed Pump Station

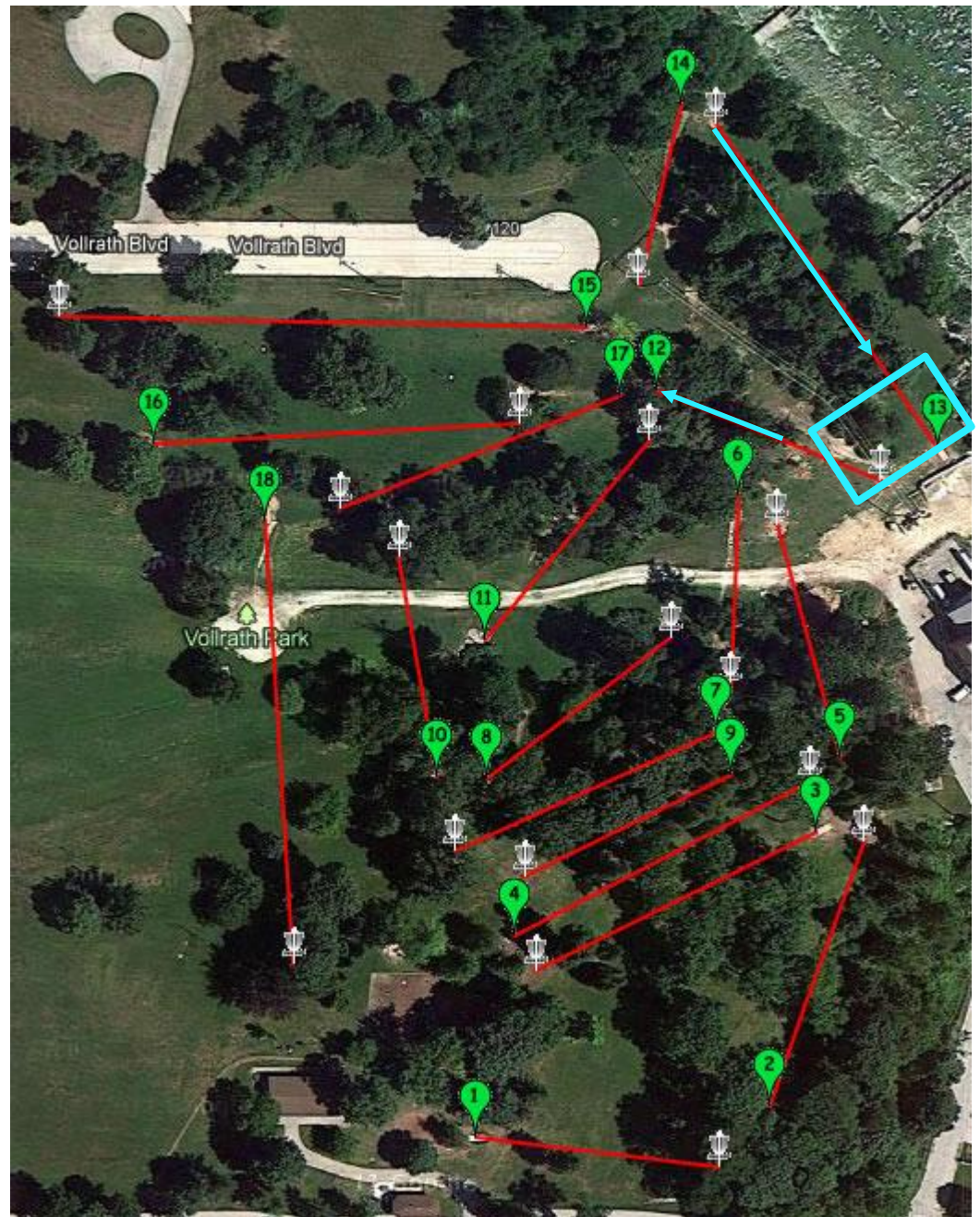
Building Layout



Vollrath Park

FRISBEE GOLF

- (2) Tees require relocation



Site Elements

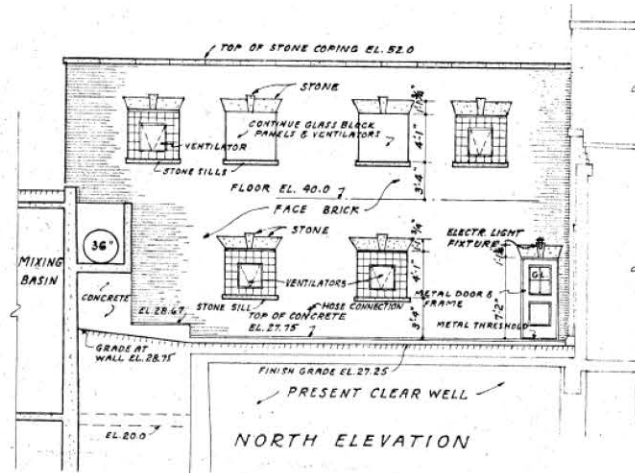
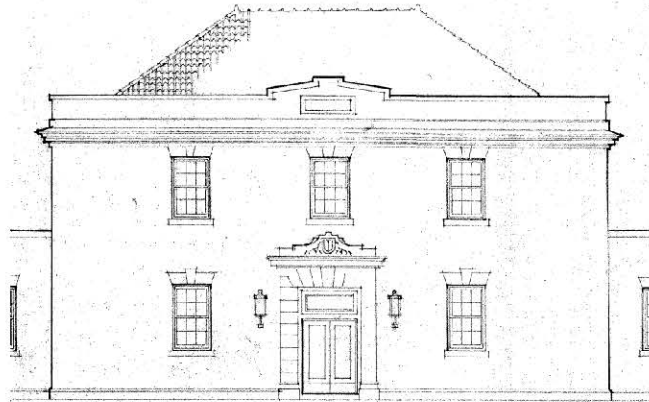
- No outdoor material storage – to be relocated indoors
- New metal enclosed switchgear & two pad mount transformers – similar to existing



Architectural Design

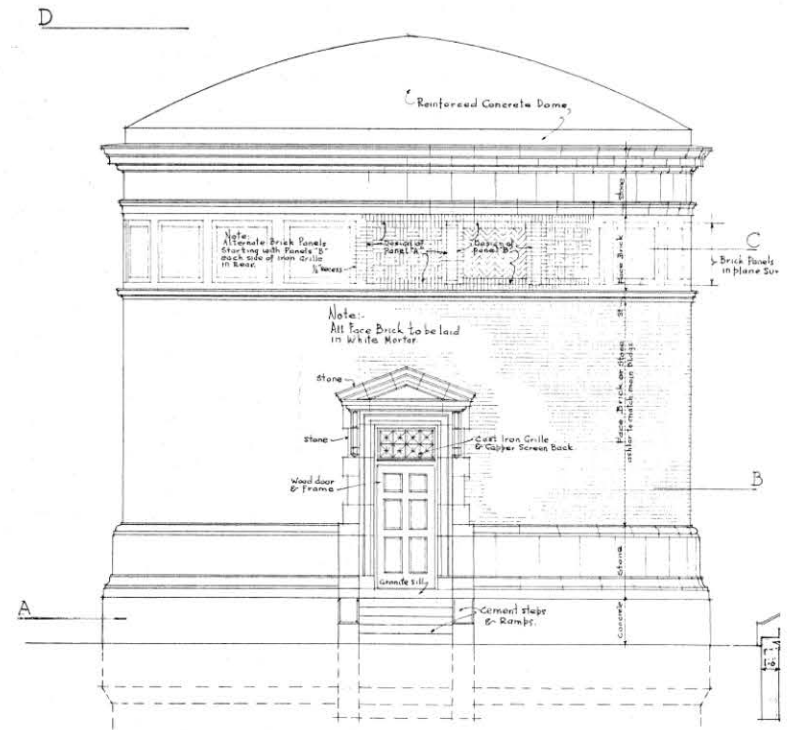


Design Context

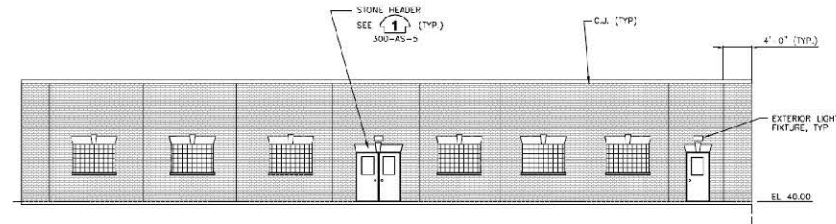


ELEVATIONS OF CHEMICAL BUILDING
SCALE: 1/8" = 1'-0"

PRESENT BUILDING



ELEVATION AT ENTRANCE
SCALE 1/4" = 1'-0"



WEST - ELEVATION

0 1 8

Design Context



Materials & Resiliency

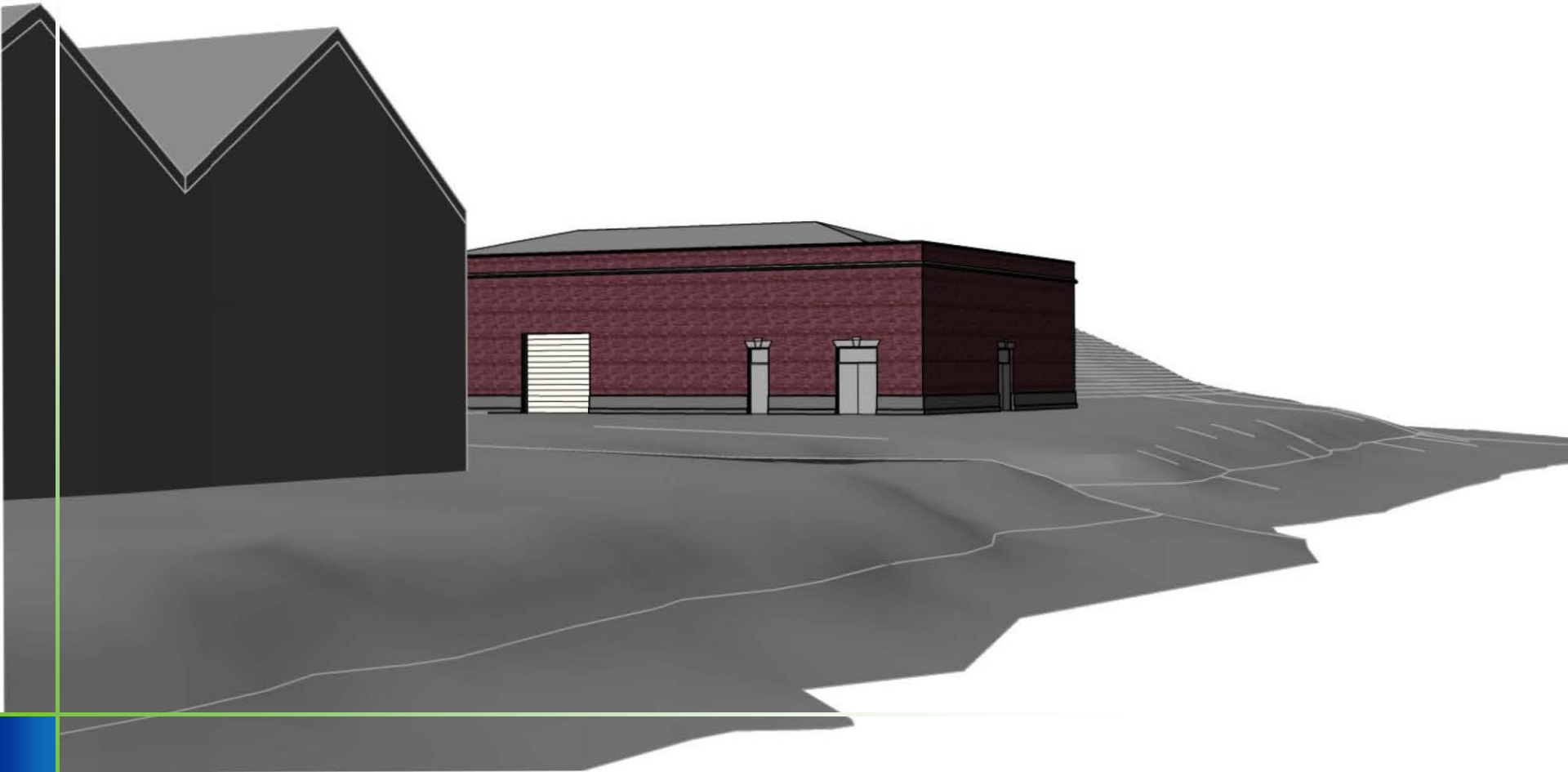
BUILDING

- Masonry (Brick or CMU)
- Glass Block Windows
- Cast Stone Accents
- Concrete Foundation and retaining walls

Design Concept



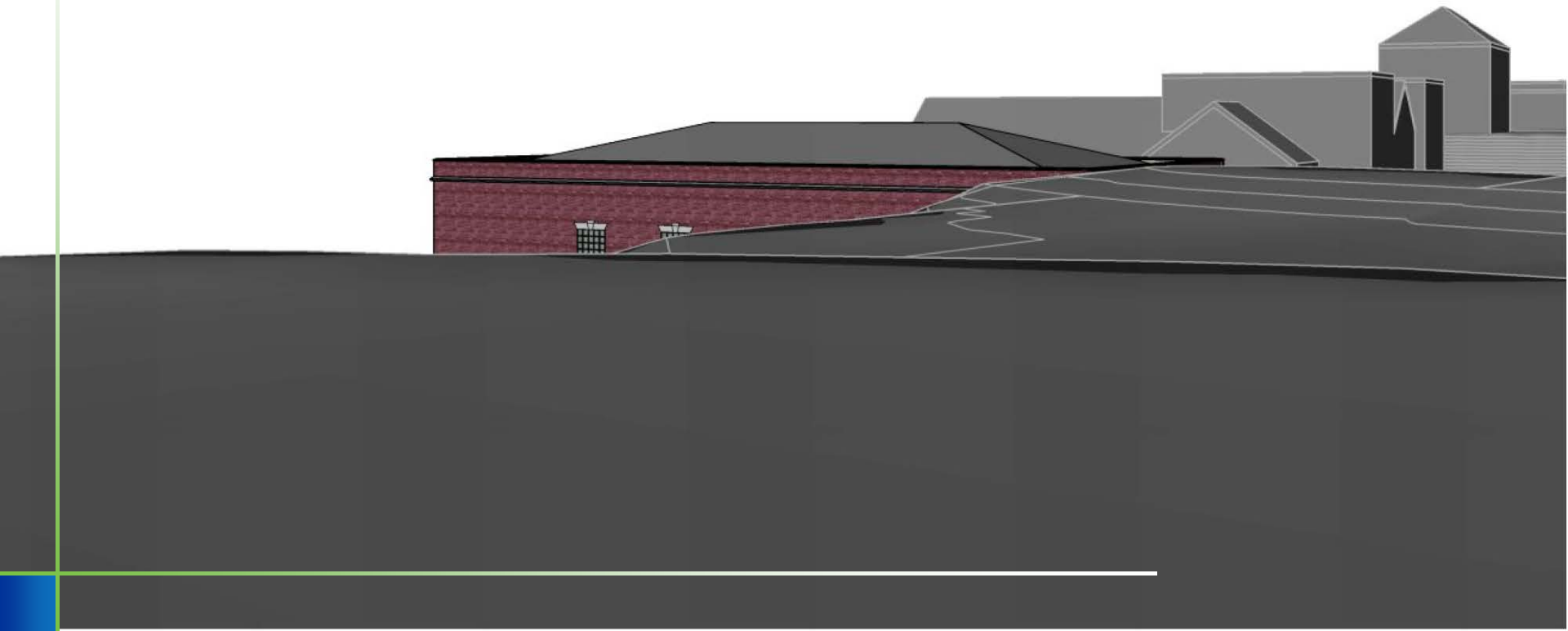
Design Concept



Design Concept



Design Concept



R. O. No._____. By BOARD OF WATER COMMISSIONERS. July 20, 2020.

To the Honorable, the Mayor and Common Council:

The Board of Water Commissioners requests the withdrawal of preliminary resolutions under Resolution 157-19-20 dated February 3, 2020, and Resolution 178-19-20 dated March 2, 2020 due to the Wisconsin Public Service Commission's approval of a lead service line replacement program utilizing grant and loans from the Sheboygan Water Utility rather than assessments.

BOARD OF WATER COMMISSIONERS

Gerald R. Van De Kreeke, President

Mark J. Smith, Secretary

Thomas E. Howe, Member

OFFICE OF THE CITY CLERK
Sheboygan, Wisconsin
City Hall

I hereby certify that this is a true copy
of a document from the Common Council
proceedings of the City of Sheboygan.


City Clerk

~~V~~
Res. No. 157 - 19 - 20. By Alderperson Ackley. February 3, 2020. E.1

A PRELIMINARY RESOLUTION declaring intent to exercise the police power to levy special assessments for installation of new water main and/or laterals in Geele Avenue from Calumet Drive to N. 23rd Street.

RESOLVED: That the existing lead and/or galvanized iron water lateral(s) from the main to the curb stop be replaced with copper or plastic of appropriate size in Geele Avenue from Calumet Drive to N. 23rd Street, that said project is hereby proposed at the expense of the property to be benefited thereby, and that no part of the estimated aggregate cost shall be paid in advance under § 66.0703, Stats.

BE IT FURTHER RESOLVED: That the City of Sheboygan intends to exercise its municipal police powers under § 66.0703, Stats., for the municipal purpose stated above.

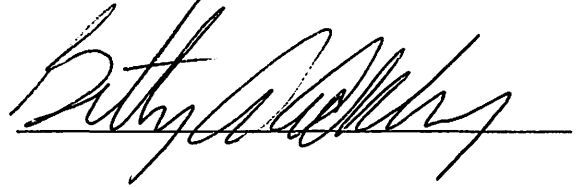
BE IT FURTHER RESOLVED: That the Water Utility is hereby authorized and directed to prepare a report in accordance with § 66.0703(4) and § 66.0703(5), Stats., and that such report shall contain the following information:

- a. Preliminary or final plans and specifications
- b. An estimate of the entire cost of the proposed work or improvement
- c. A schedule of the proposed assessments
- d. A statement that the work or improvement constitutes an exercise of the municipality's police power
- e. A statement that the property against which the assessments are proposed are benefitted.

BE IT FURTHER RESOLVED: That the expenses so incurred in excess of \$100.00 may be paid in five (5) annual installments—or ten (10) annual installments if the expense exceeds \$5,000.00 for a single parcel of property—under § 66.0703, Stats., with interest thereon at seven percent (7%) commencing the first of the month following the completion of thirty (30) days after publication of the installment assessment notice.

*Approved
Ackley
Adopt 2/3*

BE IT FURTHER RESOLVED: That the Water Utility prepare the schedule of the proposed assessments governing such intended project under the provisions of Section 122-98 of the Municipal Code; and, after completion of the schedule, submit copies to the City Clerk for the purpose of public hearing and public notice.



I HEREBY CERTIFY that the foregoing Resolution was duly passed by the Common Council of the City of Sheboygan, Wisconsin, on the 17th day of February, 2020.

Dated February 18, 2020. Deuditya D. P. W., City Clerk

Approved February 18, 2020. Michael J. Coudersleben Mayor

Published February 22, 2020.
Certified February 18, 2019 to - DPW; Eng.; Police Dept.; Water Utility;
Atty.

OFFICE OF THE CITY CLERK
Sheboygan, Wisconsin
City Hall

I hereby certify that this is a true copy
of a document from the Common Council
proceedings of the City of Sheboygan.

Maudith DeBri
City Clerk

Res. No. 178 - 19 - 20. By Alderperson Ackley. March 2, 2020.

A RESOLUTION confirming the exercise of police power in making an assessment for those benefited properties against which assessments are proposed for the installation of new water main and/or laterals in Geele Avenue from Calumet Drive to N. 23rd Street.

RESOLVED: That the assessments and schedule of the proposed assessments prepared by the Board of Water Commissioners for the installation of new water main and/or laterals in Geele Avenue from Calumet Drive to N. 23rd Street are hereby confirmed, and the City Clerk is authorized and directed to publish the notices required by law.

BE IT FURTHER RESOLVED: That the Board of Water Commissioners is hereby authorized and directed to carry out the work in accordance with the report, as finally approved, and that payment thereof be made as therein provided.

Betty Ann Ackley

*Wolf/Donohue
Adapt. Hqs*

I HEREBY CERTIFY that the foregoing Resolution was duly passed by the Common Council of the City of Sheboygan, Wisconsin, on the 16th day of March, 2020.

Dated March 18, 2020. Maudith DeBri City Clerk

Approved March 18, 2020. Michael Donohue Mayor

Published March 21, 2020.
Certified March 18, 2020 to - DPW; Eng.; Water Utility; Fin. Dir.; CA.;
Scott Winter



Sheboygan Board of Water Commissioners

Sheboygan Water Utility
 WI PSC Utility No. 5370
 72 Park Avenue
 Sheboygan, Wisconsin

2021 Budget

Budget provides for annual investment of **\$11,046,359** in all phases of Water Utility operations.

Revenues

Budgeted annual revenue total for 2021	<u>\$9,238,246</u>
Estimated annual revenue total as of December 31, 2020	<u>\$8,363,200</u> (1)
Projected revenues for 2021 expected to increase (decrease)	<u>\$875,046</u>

Expenditures

	Estimated 2020	Budget 2020	Budget 2021	Budget Increase (Decrease)	Percent Change
<u>Expenditure by Classification</u>					
Labor	\$1,708,849	\$1,674,598	<u>\$1,757,019</u>	\$82,421	4.92%
Source of supply expenses	\$10,000	\$18,000	<u>\$18,000</u>	\$0	0.00%
Pumping expenses	\$502,683	\$591,220	<u>\$594,120</u>	\$2,900	0.49%
Water treatment expenses	\$726,396	\$786,000	<u>\$796,000</u>	\$10,000	1.27%
Transmission & distribution expenses	\$892,387	\$1,100,500	<u>\$415,500</u>	-\$685,000	-62.24% (3)
Customer accounts expenses	\$60,230	\$68,800	<u>\$71,800</u>	\$3,000	4.36%
Administrative & general expenses	\$1,220,877	\$1,496,000	<u>\$1,686,900</u>	\$190,900	12.76% (4)
Taxes	\$1,347,372	\$1,302,500	<u>\$1,413,517</u>	\$111,017	8.52%
Capital outlay	\$2,378,441 (2)	\$3,685,000	<u>\$3,973,903</u>	\$288,903	7.84%
Interest expense on bonds	\$325,907	\$308,362	<u>\$319,600</u>	\$11,238	<u>3.64%</u>
<u>Totals</u>	<u>\$9,173,141</u>	<u>\$11,030,980</u>	<u>\$11,046,359</u>	<u>\$15,379</u>	0.14%

- 1) Rate increase authorized by WI PSC anticipated in fall 2020 (delayed due to covid and LSL program)
- 2) Decrease because of capital project delays due to Covid-19 pandemic.
- 3) Decrease due to Georgia Ave standpipe painting project in 2020
- 4) Increase due to health insurance costs and new private lead service line replacement program (\$430,000)

Sheboygan's water rates remain among the lowest in the state for class AB utilities serving more than 5,000 customers.



CASH AND BUDGET SUMMARY
2021

	Budget	Estimate	Budget
REVENUES	2020	2020	2021
<u>Cash Balance January 1 (including bond reserves)</u>	<u>\$8,266,865</u>	<u>\$9,425,185 (1)</u>	<u>\$10,742,988</u>
<u>Current Revenues</u>			
Total sales of water	\$7,096,891	\$6,383,736	\$6,813,600
Other operating revenues (other sales)	\$2,054,917	\$1,816,124	\$1,960,646
Non-operating revenues (rent, interest, WDNR lead grants)	\$139,000	\$163,340	\$439,000
Contributions in aid of construction	<u>\$25,000</u>	<u>\$0</u>	<u>\$25,000</u>
Total current revenues	<u>\$9,315,808</u>	<u>\$8,363,200</u>	<u>\$9,238,246</u>
Total reserves available	<u>\$17,582,673</u>	<u>\$17,788,385</u>	<u>\$19,981,234</u>
EXPENDITURES			
<u>Operation & Maintenance</u>			
Source of supply	\$19,500	\$11,500	\$19,500
Pumping	\$801,340	\$729,079	\$827,308
Water treatment	\$1,290,419	\$1,247,279	\$1,333,680
Transmission & distribution maintenance	\$1,617,215	\$1,415,490	\$950,077 (4)
Customer accounts	\$286,800	\$257,900	\$275,400
Taxes	\$1,302,500	\$1,347,372	\$1,413,517
Administrative & general (not including LSL grants)	<u>\$1,269,845</u>	<u>\$1,269,375</u>	<u>\$1,483,374</u>
Total operation & maintenance expenses	<u>\$6,587,618</u>	<u>\$6,277,996</u>	<u>\$6,302,856</u>
<u>Other Expenditures</u>			
Capital outlay	\$3,685,000	\$2,378,441	\$3,973,903
Safe Drinking Water Loan proceeds	\$0	\$0	\$0
Proceeds from bond issue	\$0	-\$3,100,000 (2)	\$0
Debt service (including principal and interest)	\$1,320,618	\$1,338,163	\$1,354,464
Non-operating grant expense (including WDNR and SWU LSL grants)	\$430,000	\$150,797	\$450,000 (3)
Total other expenditures	<u>\$5,435,618</u>	<u>\$767,401</u>	<u>\$5,778,367</u>
Total expenditures	<u>\$12,023,237</u>	<u>\$7,045,397</u>	<u>\$12,081,223</u>
Cash & Receivables Balance -December 31	<u>\$5,559,436</u>	<u>\$10,742,988</u>	<u>\$7,900,010</u>
(Total reserves - Total expenditures)			

- 1) Cash reported is actual Jan 1, 2020.
- 2) 2020 BAN used for engineering costs on raw water improvements project.
- 3) Anticipated \$320k WDNR LSL grant
- 4) Decrease due to water tower painting projects in prior years.



STATEMENT OF ESTIMATED REVENUES

2021

REVENUE SOURCE	Actual 2019	Budget 2020	Estimate 2020	Budget 2021
<u>Metered Sales to General Customers (approx. 4,900 million gallons)</u>				
Residential	\$2,270,882	\$2,247,000	\$2,386,184	\$2,553,217
Multi-family	\$260,100	\$224,700	\$300,932	\$305,000
Commercial	\$549,061	\$535,000	\$564,270	\$603,769
Industrial	\$3,803,061	\$4,090,191	\$3,132,350	\$3,351,614
Totals	<u>\$6,883,104</u>	<u>\$7,096,891</u>	<u>\$6,383,736</u>	<u>\$6,813,600</u>
<u>Other Sales to Water Customers</u>				
Private fire protection	\$108,902	\$114,947	\$66,395	\$71,043
Public fire protection (% inc Falls & Kohler)	\$902,709	\$904,150	\$911,799	\$975,625
Sales to public authorities	\$110,428	\$111,280	\$94,296	\$100,897
Sales to Sheboygan Falls & Kohler	\$732,679	\$834,600	\$692,833	\$741,331
Totals	<u>\$1,854,717</u>	<u>\$1,964,977</u>	<u>\$1,765,323</u>	<u>\$1,888,896</u>
<u>Other Revenues</u>				
Late payment charges	\$49,731	\$44,940	\$25,000 (4)	\$26,750
Miscellaneous sales	\$29,898	\$45,000	\$25,801	\$45,000
Rental income from Georgia Ave	\$23,486	\$24,000	\$24,674	\$24,000
Billing & collecting charge to City	\$61,501 (2)	\$45,000	\$48,000	\$45,000
Grant revenues - restricted (other billing & collecting costs accounted for by expense reduction)	\$92,024	\$20,000	\$40,000	\$320,000 (1)
Totals	<u>\$256,641</u>	<u>\$178,940</u>	<u>\$163,475</u>	<u>\$460,750</u>
Total Revenues	<u>\$8,994,461</u>	<u>\$9,240,808</u>	<u>\$8,312,534</u>	<u>\$9,163,246</u>
<u>Other Income</u>				
Interest	\$75,112	\$50,000	\$50,666	\$50,000
Contributions in aid of construction (including private laterals)	\$1,541,118 (3)	\$25,000	\$0	\$25,000
Totals	<u>\$1,616,229</u>	<u>\$75,000</u>	<u>\$50,666</u>	<u>\$75,000</u>
REVENUES	<u><u>\$10,610,690</u></u>	<u><u>\$9,315,808</u></u>	<u><u>\$8,363,200</u></u>	<u><u>\$9,238,246</u></u>

- 1) WDNR LSL grants
- 2) One-time credit due to error in cost-sharing of Digger's Hotline locating charges.
- 3) Includes Southpointe Enterprise campus potable water infrastructure cost of \$1.54M
- 4) Late fees waived for several months due to Covid-19



OPERATION AND MAINTENANCE EXPENSES

2021

<u>Source of Supply Expenses</u>	<u>Actual</u> 2019	<u>Budget</u> 2020	<u>Estimate</u> 2020	<u>Budget</u> 2021
<u>Operations</u>				
Labor	\$0	\$500	\$500	\$500
<u>Maintenance</u>				
Labor	\$0	\$1,000	\$1,000	\$1,000
Intakes	\$10,598	\$18,000	\$10,000	\$18,000
Totals	\$10,598	\$19,500	\$11,500	\$19,500
<u>Pumping Expenses</u>				
<u>Operations</u>				
Labor	\$50,271	\$40,120	\$44,685	\$46,025
Electricity & natural gas	\$475,224	\$500,000	\$420,000	\$500,000
Pumping equipment	\$0	\$3,120	\$0	\$3,120
Miscellaneous	\$26,120	\$25,800	\$24,000	\$27,000
Utilities	\$38,537	\$42,300	\$38,683	\$44,000
<u>Maintenance</u>				
Labor	\$166,302	\$170,000	\$181,712	\$187,163
Pumping equipment	\$28,663	\$17,000	\$17,000	\$17,000
Structures	\$5,119	\$3,000	\$3,000	\$3,000
Totals	\$790,236	\$801,340	\$729,079	\$827,308
<u>Water Treatment Expenses</u>				
<u>Operations</u>				
Labor	\$460,438	\$426,419	\$461,825	\$475,680
Water treatment equipment	\$316,733	\$380,000 (1)	\$380,396	\$390,000
Chemicals	\$249,225	\$275,000	\$250,000	\$275,000
Miscellaneous	\$4,144	\$55,000	\$25,000	\$55,000
Utilities	\$13,922	\$21,000	\$21,000	\$21,000
<u>Maintenance</u>				
Labor	\$53,990	\$78,000	\$59,058	\$62,000
Water treatment equipment	\$27,683	\$30,000	\$25,000	\$30,000
Structures	\$21,222	\$25,000	\$25,000	\$25,000
Totals	\$1,147,357	\$1,290,419	\$1,247,279	\$1,333,680

1) Includes sludge disposal charges to WWTP (\$60k) and contractor (\$200k) along with maintenance, lab equipment



OPERATION AND MAINTENANCE EXPENSES

2021

	Actual 2019	Budget 2020	Estimate 2020	Budget 2021
<u>Transmission & Distribution Expenses</u>				
<u>Operations</u>				
Labor	\$286,951	\$257,110	\$295,366	\$297,577
Reservoirs & standpipes	\$15,313	\$17,000	\$17,000	\$17,000
Mains & hydrants	\$23,774	\$15,000	\$15,000	\$15,000
Meters	\$2,842	\$40,000	\$40,000	\$40,000
Customer services	\$119,847	\$110,000	\$75,000	\$120,000
Miscellaneous	\$28,412	\$40,000	\$41,212	\$40,000
Utilities	\$24,215	\$16,000	\$20,675	\$22,000
<u>Maintenance</u>				
Labor	\$239,404	\$259,605	\$227,738	\$237,000
Structures & improvements	\$5,558	\$9,000	\$7,000	\$9,000
Reservoirs & standpipes	\$567,023 (1)	\$705,000 (3)	\$575,000	\$20,000
Mains	\$108,249	\$90,000	\$60,000	\$95,000
Meters	\$2,132	\$3,500	\$6,500	\$6,500
Hydrants	\$25,253	\$50,000	\$30,000	\$26,000 (4)
Customer Services	\$1,858	\$5,000	\$5,000	\$5,000
<u>Totals</u>	<u>\$1,450,831</u>	<u>\$1,617,215</u>	<u>\$1,415,490</u>	<u>\$950,077</u>
<u>Customer Accounts Expenses</u>				
<u>Operations</u>				
Labor	\$170,685	\$218,000	\$197,670	\$203,600
Meter reading	\$6,640	\$4,000	\$4,000	\$4,000
Billing & collecting	\$55,647	\$37,000	\$30,000	\$40,000
Uncollectible accounts	\$4,998	\$8,000	\$8,000	\$8,000
Utilities	\$718	\$800	\$645	\$800
Postage	\$13,806	\$19,000	\$17,584	\$19,000
<u>Totals</u>	<u>\$252,495</u>	<u>\$286,800</u>	<u>\$257,900</u>	<u>\$275,400</u>
<u>Taxes</u>				
Local & school (property tax equivalency paid to City)	\$1,124,163	\$1,170,000	\$1,217,372	\$1,278,517
Payroll	\$121,189	\$122,500	\$120,000	\$125,000
P.S.C. remainder assessment (mandatory fee to state regulator)	\$9,445	\$10,000	\$10,000	\$10,000
<u>Totals</u>	<u>\$1,254,797</u>	<u>\$1,302,500</u>	<u>\$1,347,372</u>	<u>\$1,413,517</u>
<u>Interest Expense Long Term Debt</u>				
Expense (bonds, SDW loans, unfunded pension)	<u>\$337,471</u>	<u>\$308,362</u>	<u>\$325,907</u>	<u>\$319,600 (2)</u>

1) Includes \$554,243 for stripping and painting the Behrens Parkway water tower

2) Bonds: 2013, 2016, 2018; SDW loans: 2004, 2015. BAN: 2020.

3) Includes \$700,000 for stripping and painting the 2.0 MG Georgia Ave. standpipe

4) Includes \$20,000 for stripping and painting 200 fire hydrants



OPERATION AND MAINTENANCE EXPENSES

2021

	Actual <u>2019</u>	Budget <u>2020</u>	Estimate <u>2020</u>	Budget <u>2021</u>
<u>Administrative & General Expenses</u>				
<u>Operations</u>				
Labor	\$214,355	\$223,845	\$239,295	\$246,474
Office supplies	\$10,305	\$12,000	\$12,000	\$12,000
Utilities	\$3,900	\$4,000	\$2,522	\$4,000
Outside services & lawyers (cross connection, health ins. review)	\$11,842	\$70,000	\$42,575	\$82,000
Auditors	\$9,888	\$26,000	\$12,000	\$13,000
<u>Property Insurance</u>				
Property and contractors' equipment	\$35,865	\$40,000	\$32,000	\$35,000
Auto	\$6,415	\$7,000	\$7,000	\$7,000
Crime	\$958	\$1,000	\$939	\$1,000
<u>Injuries & Damage Insurance</u>				
Workmen's Comp	\$16,534	\$35,000	\$15,976	\$35,000
General liability, public officials, umbrella	\$24,597	\$28,000	\$26,280	\$30,000
<u>Other Expenses</u>				
Hospitalization (actual claims inc prescip, TPA, reduced by emp contribs)	\$642,951	\$630,000	\$620,000	\$704,900 (2)
Retirement	\$256,327 (1)	\$101,000	\$212,000	\$221,000
Life	\$4,711	\$4,000	\$4,416	\$4,000
Regulatory commission expense	\$18,181	\$30,000	\$8,000	\$30,000
Miscellaneous & administrative expense	\$43,610	\$45,000	\$25,000	\$45,000
Non-operating grant expense (WDNR grants)	\$92,024	\$20,000	\$40,000	\$320,000 (4)
Private lead service line (LSL) replacement (SWU grants and loans)	\$0	\$430,000	\$150,797 (3)	\$130,000 (4)
<u>Maintenance</u>				
Office equipment maintenance	\$1,750	\$1,000	\$1,000	\$1,000
Office facilities maintenance	\$9,451	\$12,000	\$8,371	\$12,000
<u>Totals</u>	<u>\$1,403,665</u>	<u>\$1,719,845</u>	<u>\$1,460,172</u>	<u>\$1,933,374</u>
EXPENDITURES (NOT INCLUDING CAPITAL)	<u>Grand Totals</u>	<u>\$6,647,451</u>	<u>\$7,345,980</u>	<u>\$6,794,700</u>

1) Increase due to GASB 75 for unfunded pension liability.

2) Utility is self-insured; annual costs vary depending on actual claims.

3) Includes SWU grants and loan monies for LSL replacements on Geele Ave project.

4) New budget item includes \$390,000 for replacements (~100) on water main projects and \$40,000 for other replacements (~10)



**CAPITAL OUTLAY
2021**

	Actual	Budget	Actual & Estimate	Budget
	2019	2020	2020	2021
<u>New Construction and Meters</u>				
2021				\$1,231,999 (1)
2021				\$40,000
2021				\$124,904
2021				\$60,000
2021				\$90,000
2021				\$9,000
2020		\$2,250,000	\$1,348,750 (2)	
2020		\$96,000	\$96,000	
2020		\$60,000	\$10,000	
2020		\$90,000	\$90,000	
2019	\$3,260,264 (3)			
2019	\$309,102			
2019	\$121,675			
2019	\$75,560			
	Total new construction	\$2,496,000	\$1,544,750	\$1,555,903
<u>Other capital outlay</u>				
<u>Source of Supply</u>				
2021				\$1,850,000
2020	\$29,072	\$500,000	\$500,000	
<u>Pumping</u>				
2021				\$50,000
2020		\$35,000	\$35,000	
2020		\$15,000		\$15,000
2019	\$507,528			
<u>Equipment</u>				
2020		\$85,000	\$55,000	
2019	\$22,825			
2019	\$4,965			
2019	\$6,485			
<u>Structures</u>				
2021				\$70,000

- 1) Georgia Ave, S. 8th to S. 14th St; Behrens Parkway transmission main; Riverdale to Stahl upsize
- 2) Georgia Avenue, Riverdale, and Behrens Parkway projects delayed due to Covid.
- 3) Includes Southpointe Enterprise Campus water infrastructure of \$1.54M shown as contributed asset



**CAPITAL OUTLAY
2021**

	Actual 2019	Budget 2020	Actual & Estimate 2020	Budget 2021
<u>Water Treatment</u>				
<u>Equipment</u>				
2021				\$30,000
2020		\$220,000 (1)	\$0	
2019	\$4,155			
2019	\$0			
<u>Water Treatment (continued)</u>				
<u>Structures</u>				
2021				\$25,000
2021				\$300,000
2020	\$4,550	\$85,000	\$54,000	
<u>Heating Equipment</u>				
2019	\$27,728			
<u>SCADA Equipment</u>				
2020		\$95,000	\$67,535	
<u>Lab Equipment</u>				
2020		\$15,000	\$5,937	
<u>Office Furniture & Equipment</u>				
2021				\$15,000
2021				\$8,000
2021				\$3,000
2021				\$7,000
2020		\$5,000	\$5,000	
2019	\$20,000			
2019	\$10,715			
2019	\$4,500			
2019	\$13,510			
2019	\$20,000			
2019	\$7,527			
2019	\$8,192			

1) Cost includes manufactured underdrain system and media. Project delayed due to Covid.



**CAPITAL OUTLAY
2021**

	Actual 2019	Budget 2020	Actual & Estimate 2020	Budget 2021
<u>Transportation Equipment</u>				
2020		\$50,000	\$43,219	
2020		\$30,000	\$24,000	
2020		\$9,000	\$9,000	
2020		\$45,000	\$35,000	
2019	\$111,873			
<u>Power Operated Equipment</u>				
<u>Engineering Department</u>				
2021				\$20,000
2021				\$25,000
2019	\$0			
<u>Total other capital</u>	<u>\$803,625</u>	<u>\$1,189,000</u>	<u>\$833,691</u>	<u>\$2,418,000</u>
<u>Total all capital expenditures</u>	<u>\$4,570,226</u>	<u>\$3,685,000</u>	<u>\$2,378,441</u>	<u>\$3,973,903</u>

Consulting Services Proposal for Sheboygan Water Utility

June 26, 2020

What, Who and How

- **ET Health and Benefits – Strategic Consulting Services**
 - Strategy Development
 - Communication
 - Performance Analytics
- **Anthony Fioretti - 30 Years of Leadership Serving Employers of all Sizes**
 - Practice Leader experience at local, regional and global brokerage/consulting firms
 - Accountable for all aspects of client success and professional service team members
 - Featured speaker on numerous and varied topics – ACA, Private Exchanges, Innovation
 - Focus on building/executing sustainable health care strategies for mid-sized employers
- **Key Differentiators**
 - aligned as a health and benefits strategy expert on your team
 - 100% fee-based model (*no insurance company incentives or commissions*)
 - pay for performance fee structure available
 - solely accountable for client strategy development and execution

Why – Rapidly Changing Health Care Landscape

- The U.S. and local health care delivery systems are undergoing radical change.
- This evolution presents employers with many opportunities to modernize and reduce costs, while still retaining high value benefits for employees.
- There are also significant changes taking place in health care financing.
 - Health care providers and insurance companies are forming closer alliances and developing new risk sharing models (*ACO's, narrow networks, value-based contracts, insurance captives*).
 - Insurance companies, agents and brokers are aligning more exclusively and creating special arrangements to distribute health care and benefits products (*private exchanges, stop loss consortiums, pharmacy buying groups*).
- While there may be many new opportunities, there are also concerns about who will objectively represent employer interests in this new health care environment.

Helping Employers Take Control

ET provides consulting services to help employers navigate and take control over the complex world of health care and benefits.

ET will help you understand the marketplace and your unique opportunities to take advantage of the changing landscape.

ET will work from YOUR side of the table to help you develop a health care and benefits strategy that aligns with your long-term financial and people objectives.

ET will oversee execution of your strategic plan and provide guidance with short term decision making and internal communications.

ET will monitor plan performance to ensure alignment and progression toward your broader business goals.

ET will help you optimize the tools available from brokers, insurers and other service providers to ensure that you get maximum value from these traditional employer support resources.

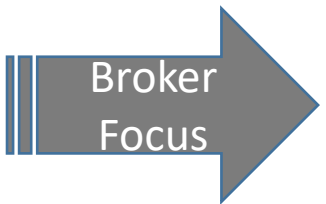
ET's only compensation comes from fully transparent, fee-based arrangements with clients.

Hierarchy of Broker/Consultant Role



Strategic

Defining the long-term plan from a “what’s possible” perspective in alignment with business philosophies, needs and culture.



Tactical

Facilitating execution of the plan based on “what’s available?” and legally compliant in the present day marketplace.

Administrative

“Day-to-day” activities to ensure the plans operate efficiently and meet the pre-established business and people objectives.

**See page 12 in appendix for additional detail on services to be provided*

What We Heard – Sheboygan Water Utility Needs

Sheboygan Water Utility wishes to accomplish the following objectives from a consulting engagement:

- Review the self-funded healthcare model to ensure alignment with current business objectives
- Evaluate the broader health care offering to improve cost efficiency and identify innovation opportunities
- Maintain a high value benefit plan that supports employee attraction and retention needs
- Develop a strategic plan for healthcare/benefits that provides greater control over the long term

There's Always Hope!



"WHAT IF WE DON'T CHANGE AT ALL... AND SOMETHING MAGICAL JUST HAPPENS?"

Strategy Development Process – 3 Phases

Phase I – Discovery (July 2020)

- Pre-meeting Survey of Leaders
- Discussion on Business and People Needs
- Evaluation/Review of Current Plan Offerings and Performance Data

Phase II – Design (August/September 2020)

- Vision Statement for Benefits Developed
- Comprehensive Opportunity Analysis
- Education on Emerging Innovation/Specific Opportunities
- 3-5 Year Health Care Strategy Document Developed
- Future Progress Metrics Defined

Phase III – Delivery (October 2020 and ongoing)

- Strategic Plan Oversight and Decision Support
- Financial Management and Audit
- Communication Strategy and Support

\$12,000 fixed annual fee over three years

Some Results from our Work

Multi-location manufacturer of plastic products with 1,800+ employees based in Sheboygan Falls, WI

Delivered hands-on strategic guidance through multiple labor contract negotiations, prepared employee and board level communications, and provided financial forecasts and modeling services.

KEY OUTCOME: Consistently lower health spending with PEPM costs down 2.5% since 2014, while retaining high quality health care benefits for a unionized workforce.

Multi-location print and paper products provider with 500+ employees based in Butler, WI

Provided health care strategic planning, negotiated provider contracts for near-site clinics, and developed scorecards for monitoring health plan performance.

KEY OUTCOME: Implemented "direct primary care" strategy in multiple sites that has helped reduce health care costs by 8% over the last four years.

Multi-location professional services organization with 600+ employees based in Appleton, WI

Assisted with insurance broker selection, supported health care strategy development, and provided employee communications and engagement resources.

KEY OUTCOME: Reduced brokerage expenses by \$50k annually, while strengthening the resources and depth of the brokerage team.

APPENDIX

About ET



Anthony Fioretti, Senior Advisor

afioretti@et-benefits.com

Phone: [414-704-4172](tel:414-704-4172)

Helping companies deliver better AND lower cost health care to their people!

Anthony Fioretti is the founder and leader of the ET consulting practice.

His career started with a national health insurance company and after 12 years he opened the Milwaukee benefits consulting practice for the world's largest insurance brokerage firm. Over the next two decades, Anthony helped several major consulting organizations establish and strengthen their local practices, while serving as strategic advisor to many of Wisconsin's most innovative businesses. As the major provisions of the ACA took effect in 2014, it became clear that employers needed something more to gain control over a broken system that was feeding itself using their money.

With this as the backdrop, ET was reborn with a new mission to create healthier companies and bring them more!

Detailed Expectations of Broker/Consultant

STRATEGIC

STRATEGIC PLANNING

- Strategic Plan Development/Refinement
- Leadership Dialogue and Education
- Vision and Goals Established
- Strategic Themes Developed
- Opportunity and Impact Analysis
- Documentation of Long Term Plan
- Support from Specialty Resources

COMMUNICATION/ORGANIZATIONAL AND EMPLOYEE LEVEL

- Messaging Themes and Brand Development
- Creation of Annual Communications Calendar
- Communications Content Development
- Vendor Product Materials Coordination
- Employee Education Support
- Process Oversight for Brand/Message Alignment

MEASURING PLAN PERFORMANCE

- Metrics Defined and Monitored
- Annual Benefit Plan Review / Plan History and Financial Recap
- Healthcare Utilization and Trend Analysis
- Plan Design and Cost Benchmarking
- Financial Modeling and Budgetary Projections
- Monthly Financial Reporting
- Support for Employee Literacy and Engagement Measures
- Process Oversight and Crosscheck Controls

TACTICAL

PLAN YEAR RENEWAL MANAGEMENT

- Financial Projections
- Plan Design and Employee Contribution Modeling
- Vendor Renewal Negotiation
- Market Review/New Product Evaluation
- New Vendor Implementation
- Final Plan Documentation (Vendor)
- Accountability and Objectivity Checkpoint
- Support with Decision Making/Strategic Plan Alignment

LEGISLATIVE COMPLIANCE SUPPORT

- Compliance Calendar Creation
- Transactional Reporting Activities
- Plan Documentation Review (Employer)
- Verification Resource

EDUCATIONAL RESOURCES

- Programming on Compliance and Emerging Topics
- Research Resources for Specialized Topics
- Self-Service Portal/Other Resources
- Alternate Programming Opportunities

ADMINISTRATIVE

VENDOR MANAGEMENT/PROBLEM SOLVING

REPORTING AND DATA COORDINATION

BENEFITS ADMINISTRATION SUPPORT

Blue shaded items reflect services available through a typical ET consulting engagement.

Green shaded items reflect additional service capabilities that are usually part of the brokerage assignment. ET will provide these services as part of the initial analysis. Additional fees may apply if these services are required on an ongoing basis.

Summary of Lead and Copper Sampling 2020

Sheboygan Water Utility is required to sample 30 sites and test for Lead and Copper every 3-years. This year's monitoring period is July 1st - October 31st. Sampling homes requires trust, with good customer contact and relations. Operations staff have distributed 28 of 30 sample kits during the week of July 13th -17th. Remaining sample kits will be distributed July 20th-24th.

All samples will be shipped to the certified lab for testing by end of July.

Test results should be available by August 31st.

Background

In the early 90s, the utility reported lead levels that exceeded EPA/WDNR action levels. In response, the utility conducted a corrosion control study in 1994 and was approved for operating a corrosion control treatment program in 1995. The treatment has proven to be effective and test results have met current lead and copper regulations:

Current Lead and Copper Rule (LCR)

- Under the current LCR, 15 sample sites are to be lead laterals and 15 sites are to be copper laterals.
- Corrosion control study and treatment must be implemented if more than 10% of tap samples are greater than the action level (15 ppb) for lead.
- There are no requirements for systems to take follow-up samples at sites with individual tap samples greater than 15 ppb.

EPA: Lead and Copper Proposal Summary

Recently, EPA has proposed new changes to the current LCR and has began the process of revision. The new rule would include changes below:

Proposed Lead and Copper Rule (New/Revised)

- The new proposed LCRs would require that all sample sites be a lead lateral material.
- Corrosion control study and treatment must be implemented if more than 10% of tap samples are greater than the action level (15 ppb) for lead.
- A new 90th percentile trigger exceedance level of 10 ppb but less than 15ppb, would require review of corrosion control treatment and re-optimization.

How is the utility responding to the proposed changes?

1. *Monitoring Site Plan (MSP)*

- All sampling sites have been reviewed, updated, and approved by WDNR for Tier 1
- Sampling site plan includes 45 sampling lead lateral sample sites
- 30 required for sampling, 15 alternates or backups.

2. *Corrosion Control Treatment Program*

- The utility has been utilizing 90/10 orthophosphate to polyphosphate blend since 2014. Changing the blend to a higher percentage of orthophosphate provides a better coating and protection against Lead and Copper corrosion in the distribution system.
- Utility increased and currently maintains a 0.80mg/L – 0.90mg/L Orthophosphate residual throughout the distribution system. Prior to 2017, the utility maintained a 0.60mg/L-0.70mg/L.

3. *Testing*

- Prior testing results have indicated an effective corrosion control treatment and with no regulatory exceedance requiring further action (1995-current)
- In 2017, to be proactive the utility sampled and tested 30 lead service laterals. The 90th percentile result for lead was 7.5ppb, which under the new proposed rule and would not require a CCT optimization study or review.
- Following the last monitoring period, the utility took additional precautions and increased its corrosion control treatment dosage to better optimize lead and copper corrosion in the distribution system.





July 13, 2020

Proposal and Agreement

Bill Swearingen
Sheboygan Water Utility
72 Park Avenue
Sheboygan, WI 53081

Transmission: Email
Page 1 of 2

Subject: Sheboygan Water Utility – Lake Revetment Proposal

Bill,

Per our site meeting today, we propose the following work scope for the lake revetment at the Water Utility:

- Reorganize and rebuild existing revetment along sheet pilings as best we can
- Import and place 600 ton of 18-30” rock and 1,400 ton of 1-3 ton boulders to build up the revetment
 - Plan would be to build rock wall out 5’ from existing wall into the lake, then extend up 3’ over existing wall to give extra wave protection to existing site
- Clean up dump area on site

Exclusions

- Permits – at this time, we are unable to verify with the County if the Utility is exempt.
- Asphalt paving, concrete paving, and curb repairs

Given the unknown conditions in the lake against the existing rock and sheet pilings, it is difficult to come up with a tight proposal for this project. We suggest moving forward on a Time and Material basis under the assumption this project would tentatively cost \$89,850.00. This budget includes all labor, equipment, materials and supervision required to complete the work per plans and specs. Wagner Excavating would complete this work based on unit rates from time slips and stone tickets to verify costs with the Utility. Those rates would be quantified with the Utility prior to start of work.

CONTINUED

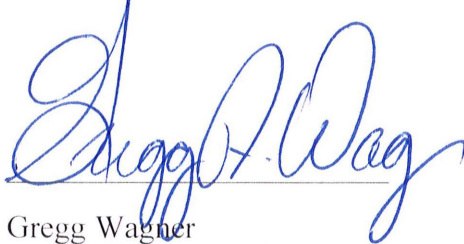
3437 PAINE AVENUE • SHEBOYGAN, WI 53081
PHONE: (920)458-9082 • FAX: (920)458-0565

CONDITIONS OF THIS WORK SCOPE AND PROPOSAL

- **PAYMENT** – Payment is due in full within 30 days from date of billing. In the event of default of payment, owner shall be liable for interest plus all costs of collection including attorney’s fees.
- **INDEMNIFICATION** – Owner shall hold contractor harmless from any claim for damages on any basis whatsoever, arising on or as a result of the project referred to, including any claims or penalties arising by reason of non-compliance with any laws or regulations, and shall defend and indemnify contractor against any such claim, suit and any obligation or liability arising there from, except to the extent of any damages caused by contractor’s negligence or misconduct, and to that extent contractor shall hold owner harmless from any claim or suit.
- **NOTICE OF LIEN RIGHTS** – As required by the Wisconsin construction lien law per statute 779.02(2)(a), claimant hereby notifies owner that persons or companies performing, furnishing, or procuring labor, services, materials, plans, or specifications for the construction on owner’s land may have lien rights on owner’s land and buildings if not paid. Those entitled to lien rights, in addition to the undersigned claimant, are those who contract directly with the owner or those who give the owner notice within 60 days after they first perform, furnish, or procure labor, services, materials, plans or specifications for the construction. Accordingly, owner probably will receive notices from those who perform, furnish, or procure labor, services, materials, plans, or specifications for the construction, and should give a copy of each notice received to the mortgage lender, if any. Claimant agrees to cooperate with the owner and the owner’s lender, if any, to see that all potential lien claimants are duly paid.

Respectfully Submitted:

WAGNER EXCAVATING, INC.



Gregg Wagner

Date: 07-13-2020

ACCEPTED:

Sheboygan Water Utility

Date: _____

Shoreline Emergency Repair Work

Work scope:

1. Reorganize and rebuild revement along pilings for 375ft
 - a. Material Import and placement:
 - 600 ton of 18-30" rock
 - 1,400 tons of 1-3 ton boulders
 - Build rock wall out 5' from existing wall into the lake. Extend to 3' above existing sheet piling to provide additional strength and protection from wave action
 - Cleanup dump site area.

Wagner Excavating Proposal:

Mob and Labor (2 operators, 6 days, and cleanup)	\$18,000.00
Materials (Delivered)	
1. 600 ton 18-30" stone	\$18,150.00
2. 1400 ton 1-3' ton boulders	\$53,900.00
Total:	\$90,050.00

Utility Installation Estimate:

Materials	
1. 600 ton 18-30" stone	\$11,400.00
2. 1400 ton 1-3' ton boulders	\$35,000.00
Material Delivery	\$17,400.00
Additional Cost Items:	
Rental Fee for Larger Excavator (1-3' ton boulders)	\$15,000.00
Total:	\$78,800.00



7/8/2020

**Sheboygan TID 17 Project
 Sheboygan Water Department
 EXTRA WORK PRICING PER REQUEST**

Offset 16" DI Water Main at Illinois and Commerce as follows:				
	(See attached 2 pages)			
	Furnish and Install approximately 55-60' of 16" DI Water Main offset below proposed double box culvert			
	This includes:			
	4 each 16" 45 bends with Mega lugs			
	2 each 16" Solid sleeves with mega lugs			
	1 each 16" x 12" Tee (to replace 16" x 12" Live tap)			
	Furnishing 2" Insulation 4' wide centered over the proposed wm			
	Provide 18" clearance top of water main and bottom of box culvert			
			TOTAL	\$ 35,587.00

Work to be performed during normal working hours
 12" Valve to be paid per existing bid price

SANITARY MH
RIM=585.82
IE NE 18" CLAY=575.32
IE SW 18" CLAY=575.42

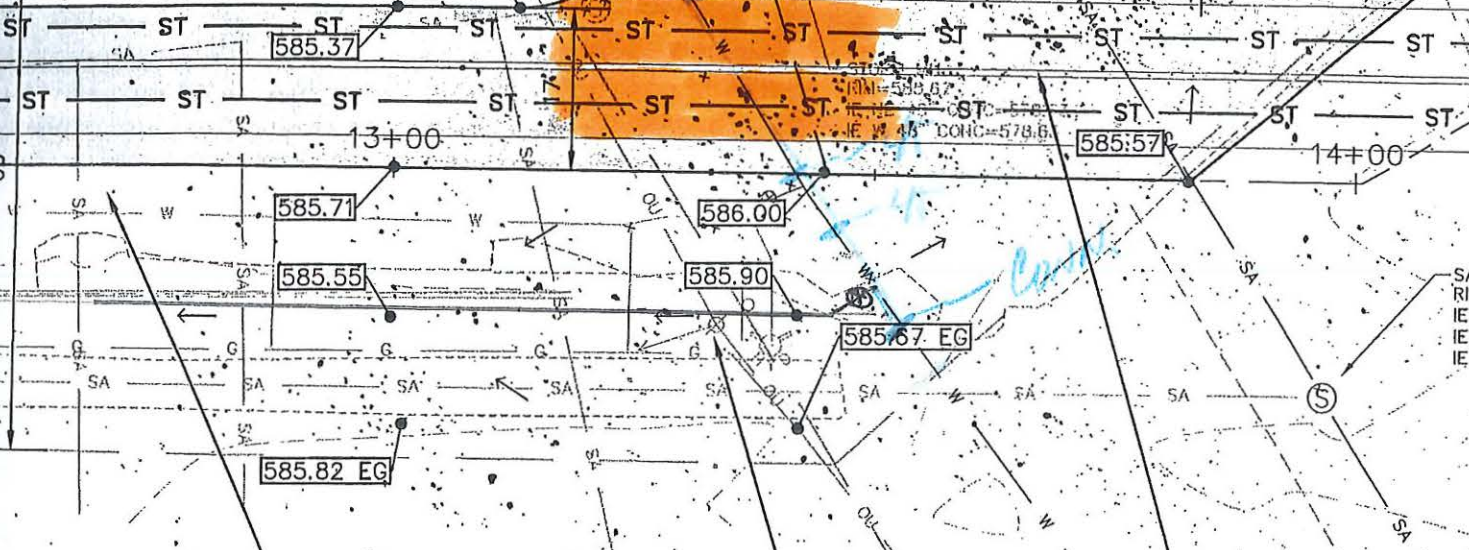
CURB INLET
RIM=585.03
IE NE 48" CONC
IE SW 48" CONC

30" ROUND
STA: 13+8
RIM 585.25
IE S OUT
SUMP 578.

13+12.79 29.0' LT
12' RADIUS

RIDGE

52



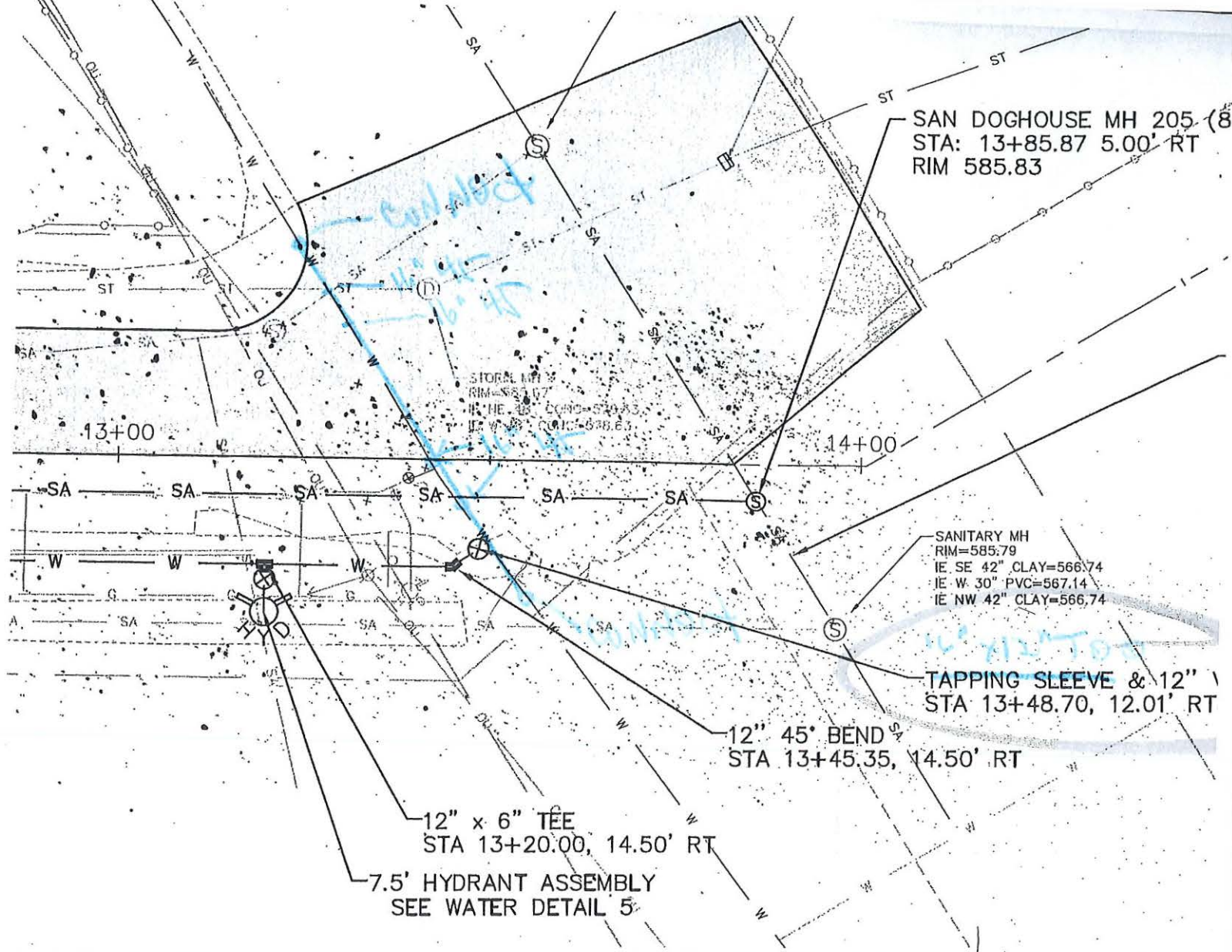
4.5" ASPHALT OVER 12"
OF 1 1/4" AGGREGATE, TYP.

UTILITY COMPANY TO
RELOCATE POLE

BACKFILL SPACE
BETWEEN BOXES W/
FLOWABLE FILL

BREAK STA = 13+45.00
586.000

BREAK STA = 13+83.00
585.620



PROFILE	EX SAN MH STA: 13+55.43 43.06' LT RIM 585.64 IE SW IN 15"=575.15 IE NW IN 42"=566.35 IE SE OUT 42"=566.74	
MH 20.63 17 04' LT 32 5"=575.42 T 15"=575.32	2" 45° BEND B.L.G. STA 13+45.35 12" IE=577.44	EX SAN MH STA: 13+96.88 22 RIM 585.79 IE W IN 30"=567. IE NW IN 42"=566 IE SE OUT 42"=56
2" PVC WM @ 2.5%		SAN DOGHOUSE MH 205 (8 STA: 13+85.87 5.00' RT DEPTH 19.09' RIM 585.83 IE NW IN 42"=566.74 IE SE OUT 42"=566.74 IE W IN 30"=567.14



Date: July 16th, 2020
To: Joe Trueblood, Utility Superintendent
From: Dave McMillan, Distribution Supervisor
Subject: Maryland Avenue and South 11th Street Project Change Order #2

The City of Sheboygan is planning to install two 6' by 4' storm sewer box culverts through the intersection of North Commerce Street and Illionios Avenue. Due to the proposed grade and location, the 16" water main in Commerce Avenue will need to be lowered. There are trench safety concerns because of the depth of excavation necessary, as well as the location's proximity to the Sheboygan River. I would like to recommend the change order proposed by Vinton Construction to lower the water main at this location. Vinton Construction has the proper equipment to safely work at the proposed depths, and deal with the wet trench conditions that will exist.

Cost Summary

Cost of Change Order..... \$35,587