AGENDA
BOARD OF PUBLIC WORKS MEETING
Tuesday, September 27, 2022 at 6:00 p.m.
Jackson Municipal Complex
Village Board Room
N168W19851 Main Street
Jackson, WI 53037

1. Call to Order and Roll Call
2. Approval of the Board of Public Works Minutes of August 30, 2022
3. WWTP Facility Plan Update – Town & Country Engineering
4. Pay Request #6 - Coffee Connection Trail Project – Poblocki Paving
5. Review of Quotes – Well #1 Inspection
6. 2023 – Public Works Equipment Program
7. 2023 – Five (5) year Capital Improvements Program
8. 2023 Budget Presentation – Public Works, Water & Wastewater Utilities
9. Director of Public Works Report
10. Citizens/Village Staff to address the Board
11. Adjourn

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Administration Department at the Jackson Municipal Complex at least one (1) business day prior to the meeting.

It is possible that members of the Village Board may attend the above meeting. No action will be taken by any governmental body at this meeting other than the governmental body specifically referred to in this meeting notice. This notice is given so that members of the Village Board may attend the meeting without violating the open meeting law.

DRAFT MINUTES
Board of Public Works Meeting
Tuesday, August 30, 2022 at 6:00 p.m.
Jackson Municipal Complex
Village Board Room
N168W19851 Main Street
Jackson, WI 53037

1. **Call to Order and Roll Call**
Chair Tr. Heckendorf called the meeting to order at 6:00 p.m.
Members Present: Tr. Engelhardt, Sarah Malchow, Tr. Matter, Tim Meffert, Chris Sberna, and Steve Schoen
Staff Present: Director of Public Works Brian Kober and Clerk Jilline Dobratz
Also Present: Greg Droessler of Town & Country Engineering

2. **Approval of the Board of Public Works Minutes of July 26, 2022**
Motion by Tr. Matter, second by Tim Meffert to approve the Board of Public Works minutes of July 26, 2022, as presented.
Vote: 7 ayes, 0 nays. Motion carried.

3. **Discussion on Storm Water Drainage Issues throughout the Village**
Director Kober gave background information. Kevin and Renee Boesch, N173W20151 Raymond Road, were present to give information on multiple flooding in their basement. Jill Washburn, N173W19979 Creekside Drive, was present and commented on her properties flooding issues. Discussion ensued on storm water drainage throughout the Village.
This item was for information purposes only and no action was necessary.

4. **Update Plan Review – WWTP Facility Plan – Town & Country Engineering**
Professional Engineer Greg Droessler gave and update of the WWTF Facility Plan including three alternatives. This item was information only for the Board of Public Works, no motion was needed at this time.

5. **Review of WisDOT Temporary Easement South Center Street & STH 60**
Director Kober provided information on the standard easement.
Motion by Tr. Heckendorf, second by Tr. Engelhardt to recommend Budget & Finance and Village Board approve the WisDOT Temporary Easement South Center Street and STH 60 in the amount of $2,400.00 subject to Village Attorney approval.
Vote: 7 ayes, 0 nays. Motion carried.

6. **Review of CSM – Willow Ridge Drive**
Director Kober commented two new lots will be created. Both property owners are aware of the Certified Survey Map.
Motion by Tr. Heckendorf, second by Tim Meffert to recommend Village Board approve the CSM – Willow Ridge Drive.

Vote: 7 ayes, 0 nays. Motion carried.

7. Review of Final Special Assessment for Willow Ridge Reconstruction Project

Director Kober stated the total cost of the project was, $787,719.01 in which $84,067.22 is to be special assessed. The Village along with the Sewer and Water Utilities will be paying for the majority of the project. A retaining of $19,047.85 is being held for landscaping issues.
Motion by Tr. Heckendorf, second by Sarah Malchow to recommend Budget & Finance and Village Board approve the Final Special Assessment for Willow Ridge Reconstruction Project.
Vote: 7 ayes, 0 nays. Motion carried.

8. Director of Public Works Report

Director Kober explained the report authored for the review of the Board.
Motion by Tr. Heckendorf, second by Tr. Matter to place the Director of Public Works Report on file.
Vote: 7 ayes, 0 nays. Motion carried.

9. Citizens/Village Staff to Address the Board

Director Kober stated the EPA is proposing to set health advisory levels for PFAS as low as 4 parts per quadrillion. The EPA is in the process of establishing an enforceable maximum contaminant level under the Safe Drinking Act. The Jackson Water and Sewer Utilities making the necessary arrangements for a better understanding and costs associated with the proposed changes.

10. Adjourn

Motion by Tr. Heckendorf, second by Steve Schoen to adjourn.
Vote: 7 ayes, 0 nays. Meeting was adjourned at 7:45 p.m.

Respectfully submitted,

Jilline Dobratz, *CMC/WCPC*
Village Clerk

Village of Jackson
Jackson Facilities Plan
Facilities Plan Capital Costs
9/20/22

Base Scope - All Projects

1	05-Site Work	$	2,352,500
2	STR. 10 - Service Building	$	1,523,100
3	STR. 15 - Influent Screening Building	$	410,900
4	STR. 20 - Pretreatment Building	$	761,200
5	STR. 30 - Aeration Basins	$	780,500
6	STR. 31 - RBC Tanks	$	50,000
7	STR. 32 - Selector Basins	$	961,600
8	STR. 35 - Aeration Control Building	$	26,700
9	STR. 40 - Secondary Clarifiers #1 & #2	$	109,000
10	STR. 45 - Secondary Clarifiers #3 & #4	$	1,215,800
11	STR. 46 - Secondary Clarifier #5	$	868,100
12	STR. 50 - Secondary Sludge Building	$	1,002,500
13	STR. 55 - RAS Pumping Station	$	48,000
14	STR. 60 - Tertiary Filter Building	$	2,094,100
15	STR. 65 - Blower Building	$	330,400
16	STR. 70 - Disinfection Tank	$	579,500
17	STR. 75 - Gravity Thickener	$	30,000
18	STR. 81 - Sludge Drying Beds	$	40,000
19	STR. 82 - Sludge Processing Building	$	1,787,200
20	STR. 85 - Sludge Storage Tank	$	80,000
21	STR. 90 - Sludge Pumping Building	$	317,700
22	STR. 95 - Storage Garage	$	698,500

Construction Subtotal	$	16,067,300
Additional Contractor Costs	$	2,410,100
Electrical Costs	$	4,016,900
Total Construction Cost	**$**	**22,494,300**

Additional Design and Management Costs

Contingencies	$	2,249,500
Engineering, Admin, Legal	$	2,474,400
Resident Observation	$	899,800
Cost Subtotal	**$**	**5,623,700**

Total Project Cost	**$**	**28,118,000**

Additional Scope - Per Alternative			Alt. #1		Alt. #2		Alt. #3
1	05 - Site Work	$	24,800	$	339,500	$	36,800
2	STR. 20 - Existing Waste Station	$	326,600	$	20,000	$	326,600
3	STR. 22 - Waste Receiving Station	$	-	$	495,700	$	-
4	STR. 25 - Existing Septage Tanks	$	124,000	$	70,000	$	124,000
5	STR. 25 - New Primary Clarifiers	$	-	$	1,190,500	$	-
6	STR. 80 - Anaerobic Digesters / Building	$	4,110,600	$	4,110,600	$	-
7	STR. 80 - New Aerobic Digesters	$	-	$	-	$	1,651,800
Construction Subtotal		$	4,586,000	$	6,226,300	$	2,139,200
Additional Contractor Costs		$	1,146,500	$	1,556,600	$	534,800
Electrical Costs		$	687,900	$	934,000	$	320,900
Total Construction Cost		**$**	**6,420,400**	**$**	**8,716,900**	**$**	**2,994,900**
Additional Design and Management Costs							
	Contingencies	$	642,100	$	871,700	$	299,500
	Engineering, Admin, Legal	$	706,300	$	958,900	$	329,500
	Resident Observation	$	256,900	$	348,700	$	119,800
	Cost Subtotal	**$**	**963,200**	**$**	**1,307,600**	**$**	**449,300**
Total Alternative Scope Cost		**$**	**8,025,700**	**$**	**10,896,200**	**$**	**3,743,700**
	Added Base Scope Cost	**$**	**28,118,000**	**$**	**28,118,000**	**$**	**28,118,000**
Total Alternative Cost		**$**	**36,143,700**	**$**	**39,014,200**	**$**	**31,861,700**

Village of Jackson
Jackson Facilities Plan
Facilities Plan Capital Costs
Proposed Project Phasing
9/20/22

Phase 1 - Administrative, Storage, Tertiary Treatment	**Alt. 1**	**Alt. 2**	**Alt. 3**
05 - Site Work (Assume 30% of Base Scope)	$ 705,750	$ 705,750	$ 705,750
STR. 10 - Service Building	$ 1,523,100	$ 1,523,100	$ 1,523,100
STR. 60 - Tertiary Filter Building	$ 2,094,100	$ 2,094,100	$ 2,094,100
STR. 70 - Disinfection Tank	$ 579,500	$ 579,500	$ 579,500
STR. 95 - Storage Garage	$ 698,500	$ 698,500	$ 698,500
Construction Subtotal	$ 5,601,000	$ 5,601,000	$ 5,601,000
Additional Contractor Costs	$ 840,200	$ 840,200	$ 840,200
Electrical Costs	$ 1,400,300	$ 1,400,300	$ 1,400,300
Total Construction Cost	**$ 7,841,500**	**$ 7,841,500**	**$ 7,841,500**
Additional Design and Management Costs			
Contingencies	$ 784,200	$ 784,200	$ 784,200
Engineering, Admin, Legal	$ 862,600	$ 862,600	$ 862,600
Resident Observation	$ 313,700	$ 313,700	$ 313,700
Cost Subtotal	**$ 1,960,500**	**$ 1,960,500**	**$ 1,960,500**
Total Phase Costs:	**$ 9,802,000**	**$ 9,802,000**	**$ 9,802,000**

Phase 2A - Process Upgrade	Alt. 1	Alt. 2	Alt. 3
05 - Site Work (Assume 50% of Base Scope)	$ 1,176,250	$ 1,176,250	$ 1,176,250
05 - Additional Site Work	$ 24,800	$ 339,500	$ 36,800
STR. 15 - Influent Screening Building	$ 410,900	$ 410,900	$ 410,900
STR. 20 - Pretreatment Building	$ 761,200	$ 761,200	$ 761,200
STR. 20 - Existing Waste Station	$ 326,600	$ 20,000	$ 326,600
STR. 22 - Waste Receiving Station	$ -	$ 495,700	$ -
STR. 25 - Existing Septage Tanks	$ 124,000	$ 70,000	$ 124,000
STR. 25 - New Primary Clarifiers	$ -	$ 1,190,500	$ -
STR. 30 - Aeration Basins	$ 780,500	$ 780,500	$ 780,500
STR. 31 - RBC Tanks	$ 50,000	$ 50,000	$ 50,000
STR. 32 - Selector Basins	$ 961,600	$ 961,600	$ 961,600
STR. 35 - Aeration Control Building	$ 26,700	$ 26,700	$ 26,700
STR. 40 - Secondary Clarifiers #1 & #2	$ 109,000	$ 109,000	$ 109,000
STR. 45 - Secondary Clarifiers #3 & #4	$ 1,215,800	$ 1,215,800	$ 1,215,800
STR. 46 - Secondary Clarifier #5	$ 868,100	$ 868,100	$ 868,100
STR. 50 - Secondary Sludge Building	$ 1,002,500	$ 1,002,500	$ 1,002,500
STR. 55 - RAS Pumping Station	$ 48,000	$ 48,000	$ 48,000
STR. 65 - Blower Building	$ 330,400	$ 330,400	$ 330,400
Construction Subtotal	$ 8,216,400	$ 9,856,700	$ 8,228,400
Additional Contractor Costs	$ 1,232,500	$ 1,478,600	$ 1,234,300
Electrical Costs	$ 2,054,100	$ 2,464,200	$ 2,057,100
Total Construction Cost	**$ 11,503,000**	**$ 13,799,500**	**$ 11,519,800**
Additional Design and Management Costs			
Contingencies	$ 1,150,300	$ 1,380,000	$ 1,152,000
Engineering, Admin, Legal	$ 1,265,400	$ 1,518,000	$ 1,267,200
Resident Observation	$ 460,200	$ 552,000	$ 460,800
Cost Subtotal	**$ 2,875,900**	**$ 3,450,000**	**$ 2,880,000**
Total Phase Costs:	**$ 14,378,900**	**$ 17,249,500**	**$ 14,399,800**

Phase 2B - Solids Handling Upgrade	Alt. 1	Alt. 2	Alt. 3
05 - Site Work (Assume 20% of Base Scope)	$ 470,500	$ 470,500	$ 470,500
STR. 75 - Gravity Thickener	$ 30,000	$ 30,000	$ 30,000
STR. 81 - Sludge Drying Beds	$ 40,000	$ 40,000	$ 40,000
STR. 82 - Sludge Processing Building	$ 1,787,200	$ 1,787,200	$ 1,787,200
STR. 85 - Sludge Storage Tank	$ 80,000	$ 80,000	$ 80,000
STR. 90 - Sludge Pumping Building	$ 317,700	$ 317,700	$ 317,700
STR. 80 - Anaerobic Digesters / Building	$ 4,110,600	$ 4,110,600	$ -
STR. 80 - New Aerobic Digesters	$ -	$ -	$ 1,651,800
Construction Subtotal	$ 6,836,000	$ 6,836,000	$ 4,377,200
Additional Contractor Costs	$ 1,025,400	$ 1,025,400	$ 656,600
Electrical Costs	$ 1,709,000	$ 1,709,000	$ 1,094,300
Total Construction Cost	**$ 9,570,400**	**$ 9,570,400**	**$ 6,128,100**
Additional Design and Management Costs			
Contingencies	$ 957,100	$ 957,100	$ 612,900
Engineering, Admin, Legal	$ 1,052,800	$ 1,052,800	$ 674,100
Resident Observation	$ 382,900	$ 382,900	$ 245,200
Cost Subtotal	**$ 2,392,800**	**$ 2,392,800**	**$ 1,532,200**
Total Phase Costs:	**$ 11,963,200**	**$ 11,963,200**	**$ 7,660,300**

Village of Jackson
Jackson Facilities Plan
Facilities Plan Cost Estimate - Base Scope
9/20/2022

	Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
1	**05-Site Work**						
	Asphalt demolition	1	LS	$25,000	1.00	1.00	$25,000
	Fence demolition	400	LF	$10	1.00	1.00	$4,000
	Erosion Control	1	LS	$10,000	1.00	1.00	$10,000
	Dewatering and Sheeting	1	LS	$50,000	1.00	1.00	$50,000
	Site Piping	1	LS	$1,751,000	1.00	1.00	$1,751,000
	Natural Gas	1	LS	$10,000	1.00	1.00	$10,000
	Cable	1	LS	$5,000	1.00	1.00	$5,000
	Asphalt Paving	2500	SY	$25	1.00	1.00	$62,500
	Generator Pad	3	CY	$550	1.00	3.00	$4,950
	Sidewalks	5000	SF	$10	1.00	1.00	$48,000
	Site Grading	1	LS	$50,000	1.00	1.00	$50,000
	Seed, Fertilizer, Mulch	5000	SY	$6	1.00	1.00	$30,000
	Bollards	20	EA	$1,000	1.00	1.00	$20,000
	Generator / ATS	1	EA	$250,000	1.00	1.00	$250,000
	Automatic Gate	1	EA	$20,000	1.00	1.00	$20,000
	Fencing	400	LF	$30	1.00	1.00	$12,000
	Cost Subtotal						**$2,352,500**
2	**STR. 10 - Service Building**						
	Demolition						
	Windows/Doors	15	EA	$250	1.00	1.00	$3,750
	Exterior Walls	700	SF	$15	1.00	1.00	$10,500
	Interior Walls	1500	SF	$10	1.00	1.00	$15,000
	Lab	0	LS	$7,500	1.00	1.00	$0
	Roofing	2800	SF	$7	1.00	1.00	$19,600
	Plumbing	2800	SF	$3	1.00	1.00	$8,400
	Generator	1	LS	$5,000	1.00	1.00	$5,000
	Asbestos Abatement	1	LS	$20,000	1.00	1.00	$20,000
	Renovation Construction						
	Architectural Ceiling	2800	SF	$14	1.00	1.20	$48,384
	Roofing	2800	SF	$24	1.00	1.20	$80,640
	Architectural	2800	SF	$24	1.00	1.20	$80,640
	Interior Walls - Wood Framed	1400	SF	$10	1.00	1.20	$16,800
	Flooring	2800	SF	$8	1.00	1.20	$26,880
	Louver / door masonry infill	400	SF	$35	1.00	1.20	$16,800
	Entry Doors	8	EA	$4,000	1.00	1.20	$38,400
	Overhead Doors	0	EA	$15,000	1.00	1.20	$0
	Windows	7	EA	$1,500	1.00	1.20	$12,600
	Building Construction - Wetwell / Drywell						
	Excavation	490	CY	$30	1.00	2.00	$29,400
	Structural Fill	150	CY	$35	1.00	2.00	$10,500
	Dewatering	1	LS	$50,000	1.00	1.00	$50,000
	Wall Cuts / Cores	3	EA	$8,000	1.00	1.50	$36,000
	Concrete						
	Circular walls	0	CY	$810	1.00	1.50	$0
	Straight walls	67	CY	$720	1.00	1.50	$72,360
	Slab on soil	22	CY	$660	1.00	1.50	$21,780
	Shored slab	10	CY	$1,320	1.00	1.50	$19,800
	Shored beams	2	CY	$2,040	1.00	1.50	$6,120
	Columns	0	CY	$1,380	1.00	1.50	$0
	Concrete fill	5	CY	$480	1.00	1.50	$3,600
	Misc concrete	5	CY	$900	1.00	1.50	$6,750
	Concrete Ties to Existing	40	LF	$250	1.00	1.50	$15,000
	Misc. Metals	0	LS	$8,000	1.00	1.00	$0
	Block Walls - Interior	0	SF	$24	1.00	1.00	$0
	Block Walls - Exterior	0	SF	$42	1.00	1.00	$0

Village of Jackson
Jackson Facilities Plan
Facilities Plan Cost Estimate - Base Scope
9/20/2022

	Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
	Concrete Plank Ceiling	0	SF	$24	1.00	1.00	$0
	Roofing	400	SF	$24	1.00	1.00	$9,600
	Architectural	0	SF	$24	1.00	1.00	$0
	Stairs and Railings	8	EA	$1,000	1.00	1.00	$8,000
	Aluminum Railing	20	LF	$60	1.00	1.00	$1,200
	Entry Doors	0	EA	$3,000	1.00	1.00	$0
	Overhead Doors	0	EA	$7,500	1.00	1.00	$0
	Windows	0	EA	$1,500	1.00	1.00	$0
	Equipment						
	RAW Pumps	4	EA	$40,000	1.20	1.00	$192,000
	Check Valves	4	EA	$10,000	1.20	1.00	$48,000
	Plug Valves	8	EA	$8,000	1.20	1.00	$76,800
	Sluice Gates	1	EA	$8,000	1.20	1.00	$9,600
	Pump VFDs	4	EA	$20,000	1.20	1.00	$96,000
	Locker room Furniture	1	LS	$15,000	1.20	1.00	$18,000
	Piping and Valves Modifications	1	LS	$40,000	1.20	1.00	$48,000
	Painting						
	Structure Surfaces	2800	SF	$10	1.00	1.00	$26,880
	Piping	0	SF	$18	1.00	1.00	$0
	HVAC (C1D1/damp)	1000	SF	$75	1.00	1.50	$112,500
	HVAC (standard)	2800	SF	$45	1.00	1.00	$126,000
	Plumbing (C1D1/damp)	1000	SF	$23	1.00	1.50	$33,750
	Plumbing (standard)	2800	SF	$15	1.00	1.00	$42,000
	Cost Subtotal						**$1,523,100**
3	**STR. 15 - Influent Screening Building**						
	Demolition						
	Equipment Removal	1	LS	$15,000	1.00	1.00	$15,000
	Demoliton - Doors	1	LS	$1,000	1.00	1.00	$1,000
	Architectual						
	Overhead Door and Operator	1	EA	$15,000	1.20	1.00	$18,000
	Equipment						
	Mechanical Screen	1	EA	$150,000	1.20	1.00	$180,000
	Washer/Compactor	1	EA	$75,000	1.20	1.00	$90,000
	Painting						
	Structure Surfaces	2000	SF	$10	1.00	1.00	$20,000
	HVAC (C1D1/damp)	594	SF	$75	1.00	1.50	$66,825
	HVAC (standard)	0	SF	$45	1.00	1.00	$0
	Plumbing (C1D1/damp)	594	SF	$23	1.00	1.50	$20,048
	Plumbing (standard)	0	SF	$15	1.00	1.00	$0
	Cost Subtotal						**$410,900**
4	**STR. 20 - Pretreatment Building**						
	Demolition						
	Equipment Removal	1	LS	$10,000	1.00	1.00	$10,000
	Demoliton / Abandon Grease	1	LS	$30,000	1.00	1.00	$30,000
	Roofing	828	SF	$7	1.00	1.00	$5,796
	Renovation Construction						
	Roofing	828	SF	$24	1.00	1.00	$19,872
	Architectural	828	SF	$24	1.00	1.00	$19,872
	Entry Doors	4	EA	$4,000	1.00	1.00	$16,000
	Building Construction - Grit Tank						
	Excavation	100	CY	$36	1.00	2.00	$7,200
	Structural Fill	50	CY	$35	1.00	2.00	$3,500
	Wall Cuts / Cores	2	EA	$8,000	1.00	1.50	$24,000
	Concrete						
	Circular walls	10	CY	$810	1.50	2.00	$24,300
	Straight walls	10	CY	$720	1.00	2.00	$14,400

	Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
	Slab on soil	5	CY	$660	1.00	2.00	$6,600
	Shored slab	5	CY	$1,320	1.00	2.00	$13,200
	Shored beams	0	CY	$2,040	1.00	2.00	$0
	Columns	0	CY	$1,150	1.00	2.00	$0
	Concrete fill	2	CY	$480	1.00	2.00	$1,920
	Misc concrete	0	CY	$900	1.00	2.00	$0
	Aluminum Grating	100	SF	$50	1.00	2.00	$10,000
	Piping and Valves Modifications	1	LS	$60,000	1.20	1.00	$72,000
	Equipment						
	Grit Pump and Valves	2	EA	$30,000	1.20	1.00	$72,000
	Grit Classifier	1	EA	$50,000	1.20	1.00	$60,000
	Pista Grit Seperator	2	EA	$75,000	1.20	1.00	$180,000
	Painting						
	Piping	800	SF	$18	1.00	1.00	$14,400
	Equipment	1	EA	$5,000	1.00	1.00	$5,000
	Structure Surfaces	3000	SF	$10	1.00	1.00	$30,000
	HVAC (C1D1/damp)	828	SF	$75	1.00	1.50	$93,150
	HVAC (standard)	0	SF	$45	1.00	1.00	$0
	Plumbing (C1D1/damp)	828	SF	$23	1.00	1.50	$27,945
	Plumbing (standard)	0	SF	$15	1.00	1.00	$0
	Cost Subtotal						**$761,200**
5	**STR. 30 - Aeration Basins**						
	Demolition						
	Bridges	0	EA	$10,000	1.00	1.00	$0
	Rotating Aerators	2	EA	$15,000	1.00	1.00	$30,000
	Wall Cuts / Cores	4	EA	$8,000	1.00	1.50	$48,000
	Building Construction						
	Concrete						
	Circular walls	84	CY	$810	1.00	1.50	$102,060
	Straight walls	200	CY	$720	1.00	1.50	$216,000
	Wall Ties to Existing Concrete	440	LF	$250	1.00	1.00	$110,000
	Equipment						
	Fine Membrane Diffusers	2	EA	$60,000	1.20	1.00	$144,000
	Piping and Valves Modifications	2	LS	$40,000	1.20	1.00	$96,000
	Painting						
	Existing Bridges	2	EA	$10,000	1.00	1.00	$20,000
	Piping	800	SF	$18	1.00	1.00	$14,400
	Cost Subtotal						**$780,500**
6	**STR. 31 - RBC Tanks**						
	Demolition						
	Demo structure	1	EA	$50,000	1.00	1.00	$50,000
	Cost Subtotal						**$50,000**
7	**STR. 32 - Selector Basins**						
	Building Construction						
	Excavation	2900	CY	$36	1.20	1.50	$187,920
	Structural Fill	1200	CY	$35	1.20	1.50	$75,600
	Dewatering - Selectors	1	CY	$50,000	1.20	1.00	$60,000
	Concrete						
	Circular walls	0	CY	$810	1.00	1.00	$0
	Slab on soil	168	CY	$660	1.00	1.00	$110,880
	Straight walls	266	CY	$720	1.00	1.00	$191,520
	Shored slab	12	CY	$1,320	1.00	1.00	$15,840
	Shored beams	6	CY	$2,040	1.00	1.00	$12,240
	Columns	0	CY	$1,380	1.00	1.00	$0
	Concrete fill	0	CY	$480	1.00	1.00	$0

	Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
	Misc concrete	0	CY	$900	1.00	1.00	$0
	Stairs and Railings	16	EA	$1,000	1.00	1.00	$16,000
	Aluminum Railing	200	LF	$60	1.00	1.00	$12,000
	Aluminum Grating	0	SF	$50	1.00	1.00	$0
	Equipment						
	Plug Valves	8	EA	$6,500	1.20	1.00	$62,400
	Mud Valves	4	EA	$4,500	1.20	1.00	$21,600
	Mixers	4	EA	$20,000	1.20	1.00	$96,000
	Weir Gates	6	EA	$10,000	1.20	1.00	$72,000
	Recycle Pump	1	EA	$20,000	1.20	1.00	$24,000
	Painting						
	Piping	200	SF	$18	1.00	1.00	$3,600
	Cost Subtotal						**$961,600**
8	**STR. 35 - Aeration Control Building**						
	Building Construction						
	Raise Floor	256	SF	$80	1.00	1.00	$20,480
	Painting						
	Structure Surfaces	640	SF	$10	1.00	1.00	$6,144
	Cost Subtotal						**$26,700**
9	**STR. 40 - Secondary Clarifiers #1 & #2**						
	Demolition						
	Bridges	2	EA	$5,000	1.00	1.00	$10,000
	Equipment / piping	2	EA	$10,000	1.00	1.00	$20,000
	Walls only	2	EA	$35,000	1.00	1.00	$70,000
	Structural Fill	600	CY	$15	1.00	1.00	$9,000
	Cost Subtotal						**$109,000**
10	**STR. 45 - Secondary Clarifiers #3 & #4**						
	Demolition						
	Bridges	2	EA	$5,000	1.00	1.00	$10,000
	Equipment / piping	2	EA	$20,000	1.00	1.00	$40,000
	Building Construction						
	Concrete						
	Circular walls	80	CY	$810	1.00	1.50	$97,200
	Straight walls	0	CY	$720	1.00	1.50	$0
	Shored slab	30	CY	$1,320	1.00	1.50	$59,400
	Wall Ties to Existing Concrete	408	LF	$250	1.00	1.00	$102,000
	Equipment						
	Algae covers - weirs and baffles	2	EA	$60,000	1.20	1.00	$144,000
	Clarifier Equipment	2	EA	$200,000	1.40	1.00	$560,000
	Weirs and Baffles	2	EA	$30,000	1.20	1.00	$72,000
	Piping and Valves Modifications	2	LS	$10,000	1.20	1.00	$24,000
	Painting						
	Piping	400	SF	$18	1.00	1.00	$7,200
	Clarifier Equipment	2	LS	$50,000	1.00	1.00	$100,000
	Cost Subtotal						**$1,215,800**
11	**STR. 46 - Secondary Clarifier #5**						
	Building Construction						
	Excavation	2300	CY	$36	1.00	1.00	$82,800
	Structural Fill	400	CY	$35	1.00	1.00	$14,000
	Dewatering - Clarifier	1	CY	$50,000	1.00	1.00	$50,000
	Concrete						
	Circular walls	182	CY	$810	1.00	1.00	$147,420
	Slab on soil	213	CY	$660	1.00	1.00	$140,580
	Straight walls	0	CY	$720	1.00	1.00	$0

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	Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
	Shored slab	15	CY	$1,320	1.00	1.50	$29,700
	Equipment						
	Algae covers - weirs and baffles	1	EA	$40,000	1.20	1.00	$48,000
	Clarifier Equipment	1	EA	$200,000	1.40	1.00	$280,000
	Weirs and Baffles	1	EA	$30,000	1.20	1.00	$36,000
	Piping and Valves	1	LS	$30,000	1.20	1.00	$36,000
	Painting						
	Piping	200	SF	$18	1.00	1.00	$3,600
	Blast / Clarifier Equipment	1	LS	$50,000	1.00	1.00	$50,000
	Cost Subtotal						**$868,100**
12	**STR. 50 - Secondary Sludge Building**						
	Demolition						
	Pumps	4	EA	$5,000	1.00	1.00	$20,000
	Compressors	2	EA	$1,000	1.00	1.00	$2,000
	Piping	1	LS	$10,000	1.00	1.00	$10,000
	Concrete Pads	6	EA	$1,000	1.00	1.00	$6,000
	Wall Cores	5	EA	$1,500	1.00	1.00	$7,500
	Equipment						
	RAS Pumps	4	EA	$30,000	1.20	1.00	$144,000
	WAS Pumps	2	EA	$25,000	1.20	2.00	$120,000
	Check Valves	6	EA	$6,000	1.20	1.00	$43,200
	Plug Valves	20	EA	$4,500	1.20	1.00	$108,000
	Flow meters	4	EA	$6,000	1.20	1.00	$28,800
	Piping and Valves	4	LS	$60,000	1.20	1.00	$288,000
	Building Construction						
	Masonry Walls	200	SF	$24	1.00	2.00	$9,600
	Doors	3	EA	$4,000	1.00	1.00	$12,000
	Concrete Pads	6	EA	$600	1.00	2.00	$7,200
	Painting						
	Structure Surfaces	3600	SF	$10	1.00	1.00	$34,560
	Piping	1000	SF	$18	1.00	1.00	$18,000
	HVAC (C1D1/damp)	798	SF	$75	1.00	1.50	$89,775
	HVAC (standard)	798	SF	$45	1.00	1.00	$35,910
	Plumbing (C1D1/damp)	0	SF	$23	1.00	1.00	$0
	Plumbing (standard)	798	SF	$15	1.00	1.50	$17,955
	Cost Subtotal						**$1,002,500**
13	**STR. 55 - RAS Pumping Station**						
	Demolition						
	Pumps	4	EA	$5,000	1.00	1.00	$20,000
	Structure	1	LS	$25,000	1.00	1.00	$25,000
	Overhead Rail	1	LS	$2,000	1.00	1.00	$2,000
	Electric Lift	1	LS	$1,000	1.00	1.00	$1,000
	Cost Subtotal						**$48,000**
14	**STR. 60 - Tertiary Filter Building**						
	Demolition						
	Chlorination Equipment	2	EA	$5,000	1.00	1.00	$10,000
	Chlorine Storage	2	EA	$5,000	1.00	1.00	$10,000
	Renovation Construction						
	Architectural Ceiling	0	SF	$14	1.00	1.00	$0
	Roofing	0	SF	$24	1.00	1.00	$0
	Architectural	3500	SF	$24	1.00	1.00	$84,000
	Flooring	0	SF	$8	1.00	1.00	$0
	Louver / door masonry infill	0	SF	$35	1.00	1.00	$0
	Entry Doors	4	EA	$4,000	1.00	1.00	$16,000
	Building Construction						

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	Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
	Excavation	700	CY	$36	1.00	2.00	$50,400
	Structural Fill	200	CY	$35	1.00	2.00	$14,000
	Dewatering - filter builidng	1	CY	$15,000	1.00	1.00	$15,000
	Concrete						
	Circular walls	0	CY	$810	1.00	1.20	$0
	Straight walls	55	CY	$720	1.00	1.20	$47,520
	Slab on soil	122	CY	$660	1.00	1.20	$96,624
	Shored slab	10	CY	$1,320	1.00	1.20	$15,840
	Shored beams	2	CY	$2,040	1.00	1.20	$4,896
	Columns	0	CY	$1,380	1.00	1.20	$0
	Concrete fill	0	CY	$480	1.00	1.20	$0
	Misc concrete	5	CY	$900	1.00	1.20	$5,400
	Misc. Metals	1	LS	$8,000	1.00	1.20	$9,600
	Block Walls - Interior	0	SF	$24	1.00	1.20	$0
	Block Walls - Exterior	1220	SF	$42	1.00	1.20	$61,488
	Concrete Plank Ceiling	1584	SF	$24	1.00	1.20	$45,619
	Roofing	1584	SF	$24	1.00	1.20	$45,619
	Architectural	1584	SF	$24	1.00	1.20	$45,619
	Stairs and Railings	20	EA	$1,000	1.00	1.20	$24,000
	Aluminum Railing	150	LF	$60	1.00	1.20	$10,800
	Aluminum Grating	800	SF	$50	1.00	1.20	$48,000
	Entry Doors	2	EA	$4,000	1.00	1.20	$9,600
	Overhead Doors	1	EA	$7,500	1.00	1.20	$9,000
	Windows	2	EA	$1,500	1.00	1.20	$3,600
	Equipment						
	Alum pumps	2	EA	$7,500	1.20	1.00	$18,000
	Floc pumps	2	EA	$7,500	1.20	1.00	$18,000
	Floc Tank - poly	1	EA	$12,000	1.20	1.00	$14,400
	Contact tank	0	EA	$5,000	1.20	1.00	$0
	Tertiary Filters	2	EA	$400,000	1.20	1.00	$960,000
	Gates	3	EA	$10,000	1.20	1.00	$36,000
	Flash Mixers	3	EA	$15,000	1.20	1.00	$54,000
	Chemical / Floc Piping	2	LS	$15,000	1.20	1.00	$36,000
	Piping and Valves	1	LS	$150,000	1.20	1.00	$180,000
	HVAC (C1D1/damp)	0	SF	$75	1.00	1.00	$0
	HVAC (standard)	1584	SF	$45	1.00	1.00	$71,280
	Plumbing (C1D1/damp)	0	SF	$23	1.00	1.00	$0
	Plumbing (standard)	1584	SF	$15	1.00	1.00	$23,760
	Cost Subtotal						**$2,094,100**
15	**STR. 65 - Blower Building**						
	Demolition						
	Blowers	3	EA	$5,000	1.00	1.00	$15,000
	Equipment						
	Blowers - Large	1	EA	$90,000	1.20	1.00	$108,000
	Blowers - Small	2	EA	$15,000	1.20	1.00	$36,000
	Transfer switch	1	EA	$40,000	1.20	1.00	$48,000
	Building Construction						
	Overhead Doors	1	EA	$10,000	1.20	1.00	$12,000
	Piping and Valves	1	LS	$20,000	1.00	1.00	$20,000
	Painting						
	Structure Surfaces	2016	SF	$10	1.00	1.00	$19,354
	Piping	0	SF	$15	1.00	1.00	$0
	HVAC (C1D1/damp)	0	SF	$75	1.00	1.00	$0
	HVAC (standard)	1200	SF	$45	1.00	1.00	$54,000
	Plumbing (C1D1/damp)	0	SF	$23	1.00	1.00	$0
	Plumbing (standard)	1200	SF	$15	1.00	1.00	$18,000
	Cost Subtotal						**$330,400**

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	Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
16	**STR. 70 - Disinfection Tank**						
	Demolition						
	Chlorination and dechlorination equip	1	LS	$5,000	1.00	1.00	$5,000
	Wall Cut / Wall Cores	3	EA	$8,000	1.00	1.00	$24,000
	Wall Demolition	1	LS	$15,000	1.00	1.00	$15,000
	Building Construction						
	Channel Modifications	1	LS	$40,000	1.20	1.00	$48,000
	New Aluminum Grating	200	SF	$50	1.00	1.50	$15,000
	New Handrails	200	LF	$35	1.00	1.50	$10,500
	Effluent Pump Structure	1	LS	$60,000	1.00	1.50	$90,000
	Equipment						
	Flume	1	LS	$10,000	1.20	1.00	$12,000
	Effluent Pump	1	LS	$50,000	1.20	1.00	$60,000
	UV System	1	LS	$250,000	1.20	1.00	$300,000
	Cost Subtotal						**$579,500**
17	**STR. 75 - Gravity Thickener**						
	Demolition						
	Equipment	1	EA	$5,000	1.00	1.00	$5,000
	Cover	1	EA	$5,000	1.00	1.00	$5,000
	Structure	1	EA	$20,000	1.00	1.00	$20,000
	Cost Subtotal						**$30,000**
18	**STR. 81 - Sludge Drying Beds**						
	Demolition						
	Underground Piping	1	EA	$15,000	1.00	1.00	$15,000
	Remove Biosolids	1	EA	$5,000	1.00	1.00	$5,000
	Structure	1	EA	$20,000	1.00	1.00	$20,000
	Cost Subtotal						**$40,000**
19	**STR. 82 - Sludge Processing Building**						
	Building Construction						
	Excavation	960	CY	$36	1.00	1.00	$34,560
	Structural Fill	320	CY	$35	1.00	1.00	$11,200
	Dewatering - Foundation	1	CY	$50,000	1.00	1.00	$50,000
	Concrete						
	Circular walls	0	CY	$810	1.00	1.00	$0
	Straight walls	72	CY	$720	1.00	1.00	$51,840
	Slab on soil	74	CY	$660	1.00	1.00	$48,840
	Shored slab	40	CY	$1,320	1.00	1.00	$52,800
	Shored beams	10	CY	$2,040	1.00	1.00	$20,400
	Columns	4	CY	$1,380	1.00	1.00	$5,520
	Concrete fill	0	CY	$480	1.00	1.00	$0
	Misc concrete	2	CY	$900	1.00	1.00	$1,800
	Misc. Metals	1	LS	$8,000	1.00	1.00	$8,000
	Block Walls - Interior	300	SF	$24	1.00	1.00	$7,200
	Block Walls - Exterior	1600	SF	$42	1.00	1.00	$67,200
	Concrete Plank Ceiling	1440	SF	$24	1.00	1.00	$34,560
	Roofing	1440	SF	$24	1.00	1.00	$34,560
	Architectural	1440	SF	$24	1.00	1.00	$34,560
	Stairs and Railings	15	EA	$1,000	1.00	1.00	$15,000
	Aluminum Railing	40	LF	$60	1.00	1.00	$2,400
	Entry Doors	4	EA	$4,000	1.00	1.00	$16,000
	Overhead Doors	1	EA	$10,000	1.00	1.00	$10,000
	Windows	3	EA	$1,500	1.00	1.00	$4,500
	Equipment						

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	Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
	Disk or Rotary Thickeners	2	EA	$150,000	1.20	1.00	$360,000
	Sludge Pumps	5	EA	$25,000	1.20	1.00	$150,000
	Polymer Feed / Blending Equipment	2	EA	$50,000	1.20	1.00	$120,000
	Flow Meters	2	EA	$7,000	1.20	1.00	$16,800
	Chemical / Floc Piping	2	LS	$15,000	1.20	1.00	$36,000
	Piping and Valves	1	LS	$300,000	1.20	1.00	$360,000
	HVAC (C1D1/damp)	1440	SF	$75	1.00	1.00	$108,000
	HVAC (standard)	0	SF	$45	1.00	1.00	$0
	Plumbing (C1/D1/damp)	1440	SF	$23	1.00	1.00	$32,400
	Plumbing (standard)	0	SF	$15	1.00	1.00	$0
	Painting						
	Structure Surfaces	5000	SF	$10	1.00	1.00	$48,000
	Piping	2500	SF	$18	1.00	1.00	$45,000
	Cost Subtotal						**$1,787,200**
20	**STR. 85 - Sludge Storage Tank**						
	Architectural						
	Stairs	80	EA	$1,000	1.00	1.00	$80,000
	Cost Subtotal						**$80,000**
21	**STR. 90 - Sludge Pumping Building**						
	Demolition						
	Sludge Transfer Pumps	3	EA	$5,000	1.00	1.00	$15,000
	Check Valves	3	EA	$1,000	1.00	1.00	$3,000
	Equipment						
	Sludge Transfer Pumps	3	EA	$40,000	1.20	1.00	$144,000
	Check Valves	3	EA	$8,000	1.20	1.00	$28,800
	Gantry Crane	1	EA	$5,000	1.20	1.00	$6,000
	Gantry Beam	1	EA	$15,000	1.20	1.00	$18,000
	Concrete Pads	3	EA	$600	1.20	2.00	$4,320
	Building Construction						
	Ceiling	660	SF	$12	1.00	1.00	$7,920
	Block wall - plain	0	SF	$24	1.00	1.00	$0
	Concrete plank	0	SF	$24	1.00	1.00	$0
	Architectural	0	SF	$24	1.00	1.00	$0
	Painting						
	Structure Surfaces	1800	SF	$10	1.00	1.00	$17,280
	Piping	500	SF	$18	1.00	1.00	$9,000
	HVAC (C1D1/damp)	660	SF	$75	1.00	1.00	$49,500
	HVAC (standard)	0	SF	$45	1.00	1.00	$0
	Plumbing (C1/D1/damp)	660	SF	$23	1.00	1.00	$14,850
	Plumbing (standard)	0	SF	$15	1.00	1.00	$0
	Cost Subtotal						**$317,700**
22	**STR. 95 - Storage Garage**						
	Renovation Construction						
	Architectural	4800	SF	$24	1.00	1.20	$138,240
	Flooring	4800	SF	$8	1.00	1.20	$46,080
	Louver / door masonry infill	0	SF	$35	1.00	1.20	$0
	Entry Doors	2	EA	$4,000	1.00	1.20	$9,600
	Building Construction						
	Excavation	175	CY	$36	1.00	1.50	$9,450
	Structural Fill	75	CY	$30	1.00	1.50	$3,375
	Concrete						
	Straight Walls	30	CY	$600	1.00	1.00	$18,000
	Slab on soil	45	CY	$660	1.00	1.00	$29,700
	Architectural						
	Doors and Windows	4	EA	$5,000	1.20	1.00	$24,000

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Description	Qty	Units	Unit Cost	Install Factor	Site Const.	Installed Cost
Overhead Doors	2	EA	$15,000	1.20	1.00	$36,000
Wood Framed Structure	2400	SF	$120	1.00	1.00	$288,000
HVAC (standard)	2400	SF	$25	1.00	1.00	$60,000
Plumbing (standard)	2400	SF	$15	1.00	1.00	$36,000
Cost Subtotal						**$698,500**
Construction Subtotal						**$16,067,300**
Additional Contractor Costs			15%			$2,410,100
Electrical Costs			25%			$4,016,900
Total Construction Cost						**$22,494,300**
Additional Design and Management Costs						
Contingencies			10%			$2,249,500
Engineering, Admin, Legal			11%			$2,474,400
Resident Observation			4%			$899,800
Cost Subtotal						**$5,623,700**
Total Project Cost						**$28,118,000**

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	Description	Quantity Alt. 1	Quantity Alt. 2	Quantity Alt. 3	Units	Unit Cost	Install Factor	Site Const.	Installed Cost Alt. 1	Installed Cost Alt. 2	Installed Cost Alt. 3
1	**05-Site Work**										
	Erosion Control	1	1	1	LS	$10,000	1.00	1.00	$10,000	$10,000	$10,000
	Dewatering and Sheeting	1	1	1	LS	$0	1.00	1.00	$0	$0	$0
	Site Piping								$0	$0	$0
	Primary Sludge Suction		1		LS	$48,750	1.00	1.00	$0	$48,750	$0
	Primary Sludge Discharge		1		LS	$64,500	1.00	1.00	$0	$64,500	$0
	Primary Clarifier Feed		1		LS	$66,250	1.00	1.00	$0	$66,250	$0
	Primary Clarifier Discharge		1		LS	$106,000	1.00	1.00	$0	$106,000	$0
	Waste Receiving		1		LS	$12,375	1.00	1.00	$0	$12,375	$0
	Aeration Piping			1	LS	$12,000	1.00	1.00	$0	$0	$12,000
	Asphalt Paving	0	200	0	SY	$84	1.00	1.00	$0	$16,800	$0
	Sidewalks	500	500	500	SF	$10	1.00	1.00	$4,800	$4,800	$4,800
	Site Grading	1	1	1	LS	$10,000	1.00	1.00	$10,000	$10,000	$10,000
	Seed, Fertilizer, Mulch	0	0	0	SY	$6	1.00	1.00	$0	$0	$0
	Landscaping	0	0	0	SF	$12	1.00	1.00	$0	$0	$0
	Fencing	0	0	0	LF	$30	1.00	1.00	$0	$0	$0
	Cost Subtotal								**$24,800**	**$339,500**	**$36,800**
2	**STR 22 - Existing Waste Station**										
	Demolition										
	Remove Structure	0	1	0	LS	$20,000	1.00	1.00	$0	$20,000	$0
	Building Construction										
	Excavation	90	0	90	CY	$36	1.00	2.00	$6,480	$0	$6,480
	Structural Fill	60	0	60	CY	$30	1.00	2.00	$3,600	$0	$3,600
	Concrete										
	Straight walls	18	0	18	CY	$720	1.00	1.50	$19,440	$0	$19,440
	Slab on soil	20	0	20	CY	$660	1.00	1.50	$19,800	$0	$19,800
	Concrete fill	0	0	0	CY	$480	1.00	1.00	$0	$0	$0
	Misc concrete	0	0	0	CY	$900	1.00	1.00	$0	$0	$0
	Block walls - split face (single wythe)	0	0	0	SF	$36	1.00	1.00	$0	$0	$0
	Block walls - split face (multi wythe)	1000	0	1000	SF	$42	1.00	1.00	$42,000	$0	$42,000
	Block wall - plain	0	0	0	SF	$24	1.00	1.00	$0	$0	$0
	Concrete plank	600	0	600	SF	$24	1.00	1.00	$14,400	$0	$14,400
	Architectural Ceilings	0	0	0	SF	$14	1.00	1.00	$0	$0	$0
	Roofing	600	0	600	SF	$24	1.00	1.00	$14,400	$0	$14,400
	Architectural	600	0	600	SF	$24	1.00	1.00	$14,400	$0	$14,400
	Doors and Windows	2	0	2	LS	$4,000	1.00	1.00	$8,000	$0	$8,000
	Misc. Metals	1	0	1	LS	$8,000	1.00	1.00	$8,000	$0	$8,000
	Stairs and Railings	0	0	0	EA	$1,000	1.00	1.00	$0	$0	$0
	Aluminum Railing	0	0	0	LF	$60	1.00	1.00	$0	$0	$0
	Equipment										
	Septage Screen	1	0	1	EA	$75,000	1.20	1.00	$90,000	$0	$90,000
	Piping and Valves (interior)	1	0	1	LS	$20,000	1.00	1.00	$20,000	$0	$20,000
	Painting										
	Structure Surfaces	600	0	600	SF	$10	1.00	1.00	$5,760	$0	$5,760
	Piping	100	0	100	SF	$18	1.00	1.00	$1,800	$0	$1,800
	Equipment	0	0	0	EA		1.00	1.00	$0	$0	$0
	HVAC (C1D1/damp)	600	0	600	SF	$75	1.00	1.00	$45,000	$0	$45,000
	HVAC (standard)	0	0	0	SF	$45	1.00	1.00	$0	$0	$0
	Plumbing (C1D1/damp)	600	0	600	SF	$23	1.00	1.00	$13,500	$0	$13,500
	Plumbing (standard)	0	0	0	SF	$15	1.00	1.00	$0	$0	$0
	Cost Subtotal								**$326,600**	**$20,000**	**$326,600**
3	**STR 22 - New Waste Receiving**										
	Building Construction										
	Excavation	0	250	0	CY	$36	1.00	1.50	$0	$13,500	$0
	Structural Fill	0	120	0	CY	$30	1.00	1.50	$0	$5,400	$0
	Concrete										
	Straight walls	0	95	0	CY	$720	1.00	1.25	$0	$85,500	$0
	Slab on soil	0	40	0	CY	$660	1.00	1.25	$0	$33,000	$0
	Shored slab	0	18	0	CY	$1,320	1.00	1.25	$0	$29,700	$0
	Shored beams	0	2	0	CY	$2,040	1.00	1.25	$0	$5,100	$0
	Columns	0	0	0	CY	$1,380	1.00	1.00	$0	$0	$0
	Concrete fill	0	5	0	CY	$480	1.00	1.25	$0	$3,000	$0
	Misc concrete	0	0	0	CY	$900	1.00	1.00	$0	$0	$0
	Block walls - split face (single wythe)	0	0	0	SF	$36	1.00	1.00	$0	$0	$0
	Block walls - split face (multi wythe)	0	600	0	SF	$42	1.00	1.00	$0	$25,200	$0

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Jackson Facilities Plan
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	Description	Quantity Alt. 1	Quantity Alt. 2	Quantity Alt. 3	Units	Unit Cost	Install Factor	Site Const.	Installed Cost Alt. 1	Installed Cost Alt. 2	Installed Cost Alt. 3
	Block wall - plain	0	0	0	SF	$24	1.00	1.00	$0	$0	$0
	Concrete plank	0	600	0	SF	$24	1.00	1.00	$0	$14,400	$0
	Architectural Ceilings	0	0	0	0	$0	0.00	1.00	$0	$0	$0
	Roofing	0	600	0	SF	$24	1.00	1.00	$0	$14,400	$0
	Architectural	0	600	0	SF	$24	1.00	1.00	$0	$14,400	$0
	Doors and Windows	0	2	0	LS	$4,000	1.00	1.00	$0	$8,000	$0
	Misc. Metals	0	1	0	LS	$8,000	1.00	1.00	$0	$8,000	$0
	Stairs and Railings	0	0	0	EA	$1,000	1.00	1.00	$0	$0	$0
	Aluminum Railing	0	0	0	LF	$60	1.00	1.00	$0	$0	$0
	Equipment										
	Septage Screen	0	1	0	EA	$80,000	1.20	1.00	$0	$96,000	$0
	Aeration blower / diffusers	0	1	0	EA	$15,000	1.20	1.00	$0	$18,000	$0
	Septage Pumps / Piping	0	2	0	EA	$15,000	1.20	1.00	$0	$36,000	$0
	Piping and Valves (interior)	0	1	0	LS	$20,000	1.00	1.00	$0	$20,000	$0
	Painting										
	Structure Surfaces	0	600	0	SF	$10	1.00	1.00	$0	$5,760	$0
	Piping	0	100	0	SF	$18	1.00	1.00	$0	$1,800	$0
	Equipment	0	0	0	EA	$10,000	1.00	1.00	$0	$0	$0
	HVAC (C1D1/damp)	0	600	0	SF	$75	1.00	1.00	$0	$45,000	$0
	HVAC (standard)	0	0	0	SF	$45	1.00	1.00	$0	$0	$0
	Plumbing (C1D1/damp)	0	600	0	SF	$23	1.00	1.00	$0	$13,500	$0
	Plumbing (standard)	0	0	0	SF	$15	1.00	1.00	$0	$0	$0
	Cost Subtotal								**$0**	**$495,700**	**$0**
4	**STR 25 - Existing Septage Tanks**										
	Demolition										
	Tank Removal	0	2	0	EA	$25,000	1.00	1.00	$0	$50,000	$0
	Blower / Diffuser Removal	2	2	2	EA	$5,000	1.00	1.00	$10,000	$10,000	$10,000
	Bridge Removal	0	2	0	EA	$5,000	1.00	1.00	$0	$10,000	$0
	Equipment										
	Clarifier Drives Equipment	0	0	0	EA	$60,000	1.20	1.00	$0	$0	$0
	Blower	2	0	2	EA	$10,000	1.20	1.00	$24,000	$0	$24,000
	Diffusers	2	0	2	EA	$15,000	1.20	1.00	$36,000	$0	$36,000
	Weirs and Baffles	0	0	0	EA	$15,000	1.20	1.00	$0	$0	$0
	Piping and Valves (interior)	0	0	0	EA	$10,000	1.00	1.00	$0	$0	$0
	Piping and Valves (Str. 20)	1	0	1	EA	$15,000	1.00	1.00	$15,000	$0	$15,000
	Painting										
	Bridge Structure	2	0	2	LS	$15,000	1.00	1.00	$30,000	$0	$30,000
	Piping	500	0	500	SF	$18	1.00	1.00	$9,000	$0	$9,000
	Equipment	0	0	0	LS	$40,000	1.00	1.00	$0	$0	$0
	Cost Subtotal								**$124,000**	**$70,000**	**$124,000**
5	**STR 25 - New Primary Clarifiers**										
	Building Construction										
	Dewatering	0	2	0	LS	$50,000	1.00	1.00	$0	$100,000	$0
	Excavation	0	3810	0	CY	$36	1.00	1.00	$0	$137,160	$0
	Structural Fill	0	1200	0	CY	$30	1.00	1.00	$0	$36,000	$0
	Concrete										
	Circular walls	0	256	0	CY	$810	1.00	1.00	$0	$207,360	$0
	Straight walls	0	0	0	CY	$720	1.00	1.00	$0	$0	$0
	Slab on soil	0	205	0	CY	$660	1.00	1.00	$0	$135,300	$0
	Shored slab	0	25	0	CY	$1,320	1.00	1.00	$0	$33,000	$0
	Shored beams	0	0	0	CY	$2,040	1.00	1.00	$0	$0	$0
	Columns	0	0	0	CY	$1,380	1.00	1.00	$0	$0	$0
	Concrete fill	0	0	0	CY	$480	1.00	1.00	$0	$0	$0
	Misc concrete	0	0	0	CY	$900	1.00	1.00	$0	$0	$0
	Stairs and Railings	0	8	0	EA	$1,000	1.00	1.00	$0	$8,000	$0
	Aluminum Railing	0	210	0	LF	$60	1.00	1.00	$0	$12,600	$0
	Equipment										
	Clarifier Drives Equipment	0	2	0	EA	$150,000	1.20	1.00	$0	$360,000	$0
	Weirs and Baffles	0	2	0	EA	$20,000	1.20	1.00	$0	$48,000	$0
	Piping and Valves (interior)	0	2	0	EA	$10,000	1.20	1.00	$0	$24,000	$0
	Painting										
	Structure Surfaces	0	0	0	SF	$10	1.00	1.00	$0	$0	$0
	Piping	0	500	0	SF	$18	1.00	1.00	$0	$9,000	$0
	Equipment	0	2	0	LS	$40,000	1.00	1.00	$0	$80,000	$0
	Cost Subtotal								**$0**	**$1,190,500**	**$0**

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	Description	Quantity Alt. 1	Quantity Alt. 2	Quantity Alt. 3	Units	Unit Cost	Install Factor	Site Const.	Installed Cost Alt. 1	Installed Cost Alt. 2	Installed Cost Alt. 3
6	**STR 80 - Anaerobic Digesters / Building**										
	Demolition										
	Digester Covers	2	2		EA	$15,000	1.00	1.00	$30,000	$30,000	$0
	Doors	2	2		EA	$1,000	1.00	1.00	$2,000	$2,000	$0
	Pumps	4	4		EA	$1,000	1.00	1.00	$4,000	$4,000	$0
	Boiler	1	1		EA	$8,000	1.00	1.00	$8,000	$8,000	$0
	Gas Equipment	1	1		EA	$10,000	1.00	1.00	$10,000	$10,000	$0
	Digester Cleaning	2	2		EA	$20,000	1.00	1.00	$40,000	$40,000	$0
	Building Construction										
	Dewatering	1	1		LS	$100,000	1.00	1.00	$100,000	$100,000	$0
	Excavation	2200	2200		CY	$36	1.00	1.50	$118,800	$118,800	$0
	Structural Fill	600	600		CY	$30	1.00	1.50	$27,000	$27,000	$0
	Concrete										
	Circular walls	230	230		CY	$810	1.00	1.00	$186,300	$186,300	$0
	Straight walls	55	55		CY	$720	1.00	1.00	$39,600	$39,600	$0
	Slab on soil	130	130		CY	$660	1.00	1.00	$85,800	$85,800	$0
	Shored slab	20	20		CY	$1,320	1.00	1.00	$26,400	$26,400	$0
	Shored beams	5	5		CY	$2,040	1.00	1.00	$10,200	$10,200	$0
	Columns	2	2		CY	$1,380	1.00	1.00	$2,760	$2,760	$0
	Concrete fill	0	0		CY	$480	1.00	1.00	$0	$0	$0
	Misc concrete	2	2		CY	$900	1.00	1.00	$1,800	$1,800	$0
	Wall doweling / ties	90	90		LF	$250	1.00	1.00	$22,500	$22,500	$0
	Block walls - split face (single wythe)	0	0		SF	$36	1.00	1.00	$0	$0	$0
	Block walls - split face (multi wythe)	800	800		SF	$42	1.00	1.00	$33,600	$33,600	$0
	Block wall - plain	300	300		SF	$24	1.00	1.00	$7,200	$7,200	$0
	Concrete plank	700	700		SF	$24	1.00	1.00	$16,800	$16,800	$0
	Architectural Ceilings	0	0		0	$14	0.00	1.00	$0	$0	$0
	Roofing	700	700		SF	$24	1.00	1.00	$16,800	$16,800	$0
	Architectural	700	700		SF	$24	1.00	1.00	$16,800	$16,800	$0
	Doors and Windows	3	3		LS	$4,000	1.00	1.00	$12,000	$12,000	$0
	Misc. Metals	1	1		LS	$8,000	1.00	1.00	$8,000	$8,000	$0
	Stairs and Railings	20	20		EA	$1,000	1.00	1.00	$20,000	$20,000	$0
	Aluminum Railing	60	60		LF	$60	1.00	1.00	$3,600	$3,600	$0
	Equipment										
	35' Dia. Floating Cover	1	1		EA	$180,000	1.20	1.00	$216,000	$216,000	$0
	35' Dia. Gas Holder Cover	1	1		EA	$200,000	1.20	1.00	$240,000	$240,000	$0
	55' Dia. Floating Cover	1	1		EA	$220,000	1.20	1.00	$264,000	$264,000	$0
	Boiler / Heat Exchanger	3	3		EA	$150,000	1.20	1.00	$540,000	$540,000	$0
	Gas Handling Equipment	1	1		EA	$150,000	1.20	1.00	$180,000	$180,000	$0
	Gas Flare	1	1		EA	$45,000	1.20	1.00	$54,000	$54,000	$0
	Sludge Pumps	3	3		EA	$30,000	1.20	1.00	$108,000	$108,000	$0
	Recirculation Pumps	5	5		EA	$25,000	1.20	1.00	$150,000	$150,000	$0
	Digester Mixing System	1	1		EA	$175,000	1.20	1.00	$210,000	$210,000	$0
	Cover Insulation	3	3		EA	$40,000	1.20	1.00	$144,000	$144,000	$0
	Piping and Valves (interior, ex. sludge)	1	1		LS	$50,000	1.20	1.00	$60,000	$60,000	$0
	Piping and Valves (interior, gas)	1	1		LS	$30,000	1.20	1.00	$36,000	$36,000	$0
	Piping and Valves (interior, NPW)	1	1		LS	$15,000	1.20	1.00	$18,000	$18,000	$0
	Piping and Valves (interior, Boiler)	3	3		LS	$15,000	1.20	1.00	$54,000	$54,000	$0
	Piping and Valves (interior, new sludge)	1	1		LS	$200,000	1.00	1.00	$200,000	$200,000	$0
	Painting										
	Structure Surfaces	3740	3740		SF	$10	1.00	1.00	$35,904	$35,904	$0
	Piping	2000	2000		SF	$18	1.00	1.00	$36,000	$36,000	$0
	Digester Covers - 35'	2	2		EA	$100,000	1.00	1.00	$200,000	$200,000	$0
	Digester Covers - 55'	1	1		EA	$150,000	1.00	1.00	$150,000	$150,000	$0
	HVAC (C1D1/damp)	3740	3740		SF	$75	1.00	1.00	$280,500	$280,500	$0
	HVAC (standard)	0	0		SF	$45	1.00	1.00	$0	$0	$0
	Plumbing (C1D1/damp)	3740	3740		SF	$23	1.00	1.00	$84,150	$84,150	$0
	Plumbing (standard)	0	0		SF	$15	1.00	1.00	$0	$0	$0
	Cost Subtotal								**$4,110,600**	**$4,110,600**	**$0**
7	**STR. 80 - New Aerobic Digesters**										
	Demolition										
	Digester Covers			2	EA	$25,000	1.00	1.00	$0	$0	$50,000
	Doors			2	EA	$1,000	1.00	1.00	$0	$0	$2,000
	Pumps			4	EA	$1,000	1.00	1.00	$0	$0	$4,000
	Boiler			1	EA	$8,000	1.00	1.00	$0	$0	$8,000
	Gas Equipment			1	EA	$10,000	1.00	1.00	$0	$0	$10,000
	Mixing Equipment			2	EA	$8,000	1.00	1.00	$0	$0	$16,000

Village of Jackson
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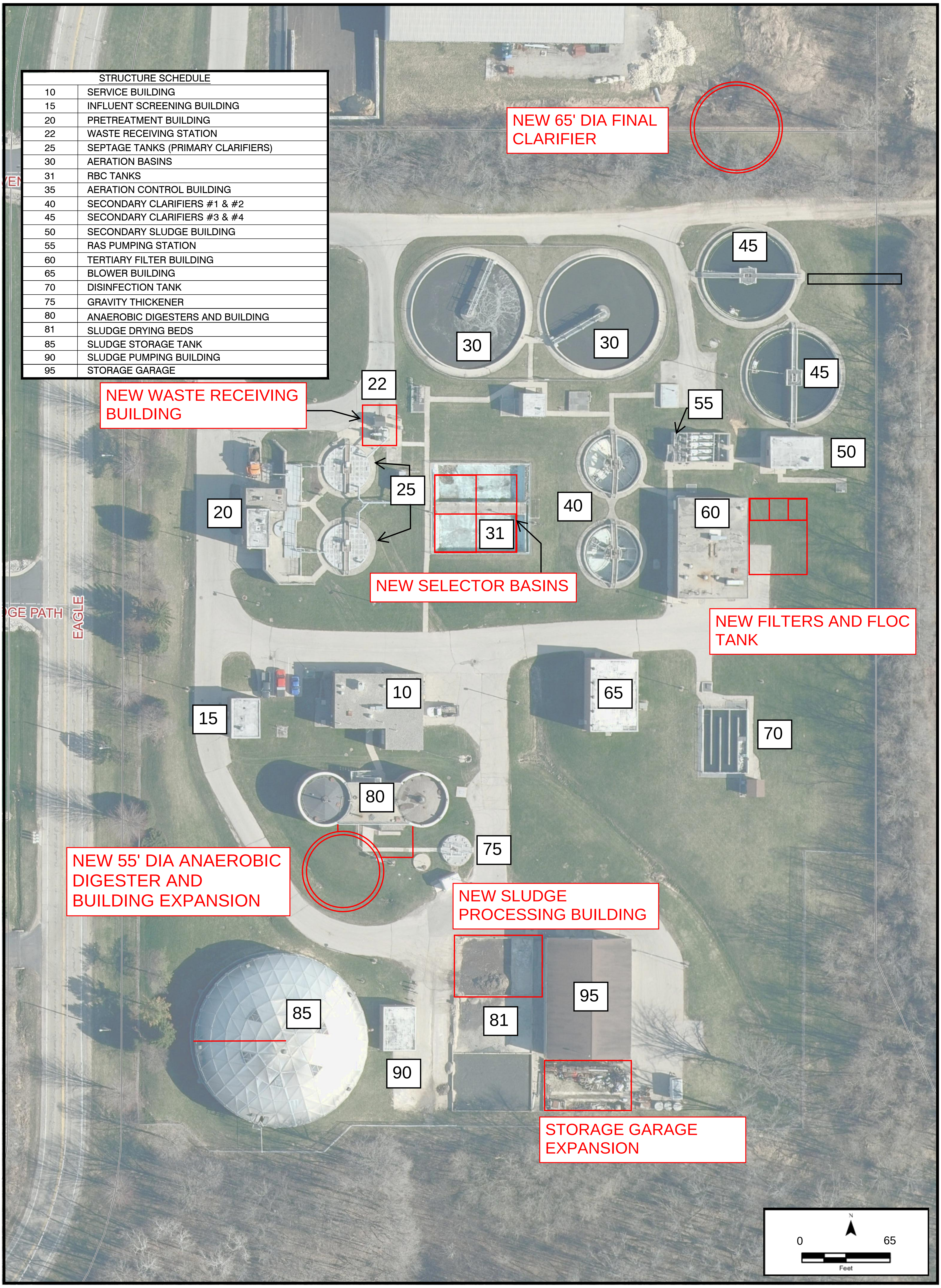
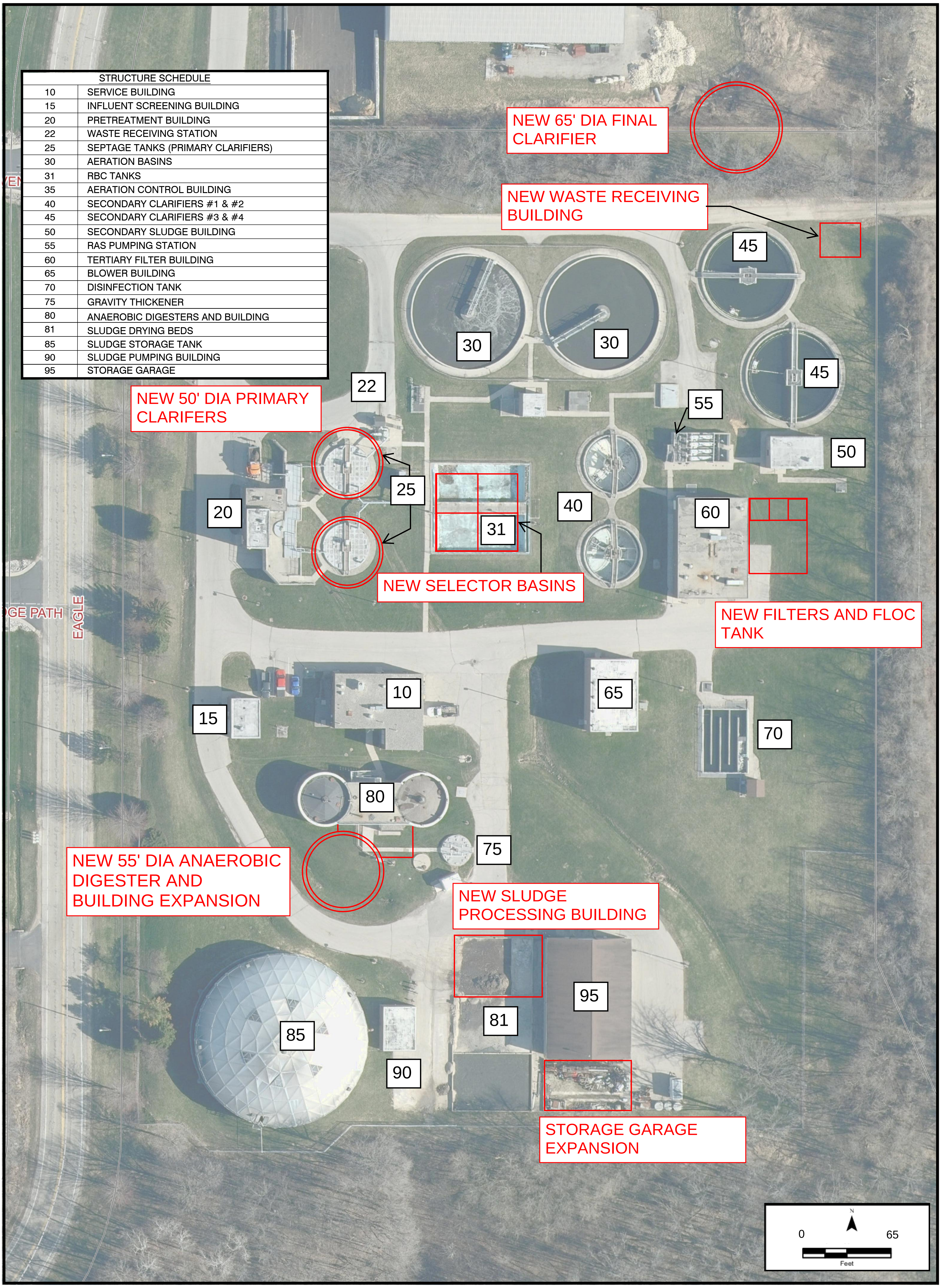
Description	Quantity Alt. 1	Quantity Alt. 2	Quantity Alt. 3	Units	Unit Cost	Install Factor	Site Const.	Installed Cost Alt. 1	Installed Cost Alt. 2	Installed Cost Alt. 3
Digester Cleaning			2	EA	$25,000	1.00	1.00	$0	$0	$50,000
Building Construction										
Dewatering			1	LS	$50,000	1.00	1.00	$0	$0	$50,000
Excavation			870	CY	$36	1.00	2.00	$0	$0	$62,640
Structural Fill			250	CY	$30	1.00	2.00	$0	$0	$15,000
Concrete										
Circular walls			167	CY	$810	1.00	1.00	$0	$0	$135,270
Straight walls			0	CY	$720	1.00	1.00	$0	$0	$0
Slab on soil			92	CY	$660	1.00	1.00	$0	$0	$60,720
Shored slab			0	CY	$1,320	1.00	1.00	$0	$0	$0
Shored beams			0	CY	$2,040	1.00	1.00	$0	$0	$0
Columns			0	CY	$1,380	1.00	1.00	$0	$0	$0
Concrete fill			0	CY	$480	1.00	1.00	$0	$0	$0
Misc concrete			0	CY	$900	1.00	1.00	$0	$0	$0
Block walls - split face (single wythe)			0	SF	$36	1.00	1.00	$0	$0	$0
Block walls - split face (multi wythe)			0	SF	$42	1.00	1.00	$0	$0	$0
Block wall - plain			0	SF	$24	1.00	1.00	$0	$0	$0
Concrete plank			0	SF	$24	1.00	1.00	$0	$0	$0
Architectural Ceilings			0	0	$0	0.00	1.00	$0	$0	$0
Roofing			0	SF	$24	1.00	1.00	$0	$0	$0
Architectural			0	SF	$24	1.00	1.00	$0	$0	$0
Doors and Windows			2	LS	$4,000	1.00	1.00	$0	$0	$8,000
Misc. Metals			0	LS	$24	1.00	1.00	$0	$0	$0
Stairs and Railings			0	EA	$1,000	1.00	1.00	$0	$0	$0
Aluminum Railing			0	LF	$60	1.00	1.00	$0	$0	$0
Equipment										
35' dia. fixed covers			2	EA	$50,000	1.20	1.00	$0	$0	$120,000
40' dia. fixed cover			1	EA	$60,000	1.20	1.00	$0	$0	$72,000
Sludge Pumps			4	EA	$25,000	1.20	1.00	$0	$0	$120,000
Digester Blowers			3	EA	$75,000	1.20	1.00	$0	$0	$270,000
Aeration Diffusers			3	EA	$40,000	1.20	1.00	$0	$0	$144,000
Piping and Valves (interior, ex. sludge)			1	LS	$50,000	1.20	1.00	$0	$0	$60,000
Piping and Valves (interior, APH)			3	LS	$30,000	1.20	1.00	$0	$0	$108,000
Piping and Valves (interior, sludge)			1	LS	$100,000	1.20	1.00	$0	$0	$120,000
Piping and Valves (interior, NPW)			1	LS	$15,000	1.20	1.00	$0	$0	$18,000
Painting										
Structure Surfaces			1870	SF	$10	1.00	1.00	$0	$0	$17,952
Piping			1000	SF	$18	1.00	1.00	$0	$0	$18,000
Equipment			0	EA	$10,000	1.00	1.00	$0	$0	$0
HVAC (C1D1/damp)			0	SF	$75	1.00	1.00	$0	$0	$0
HVAC (standard)			1870	SF	$45	1.00	1.00	$0	$0	$84,150
Plumbing (C1D1/damp)			0	SF	$23	1.00	1.00	$0	$0	$0
Plumbing (standard)			1870	SF	$15	1.00	1.00	$0	$0	$28,050
Cost Subtotal								**$0**	**$0**	**$1,651,800**
Construction Subtotal								**$4,586,000**	**$6,226,300**	**$2,139,200**
Electrical					25%			$1,146,500	$1,556,600	$534,800
Additional Contractor Costs					15%			$687,900	$934,000	$320,900
Total Construction Cost								**$6,420,400**	**$8,716,900**	**$2,994,900**
Additional Design and Management Costs										
Contingencies					10%			$642,100	$871,700	$299,500
Engineering, Admin, Legal					11%			$706,300	$958,900	$329,500
Resident Observation					4%			$256,900	$348,700	$119,800
Cost Subtotal								**$963,200**	**$1,307,600**	**$449,300**
Total Project Cost								**$8,025,700**	**$10,896,200**	**$3,743,700**

Jackson WWTF
Alternative 1 - Expansion with Anaerobic Digestion



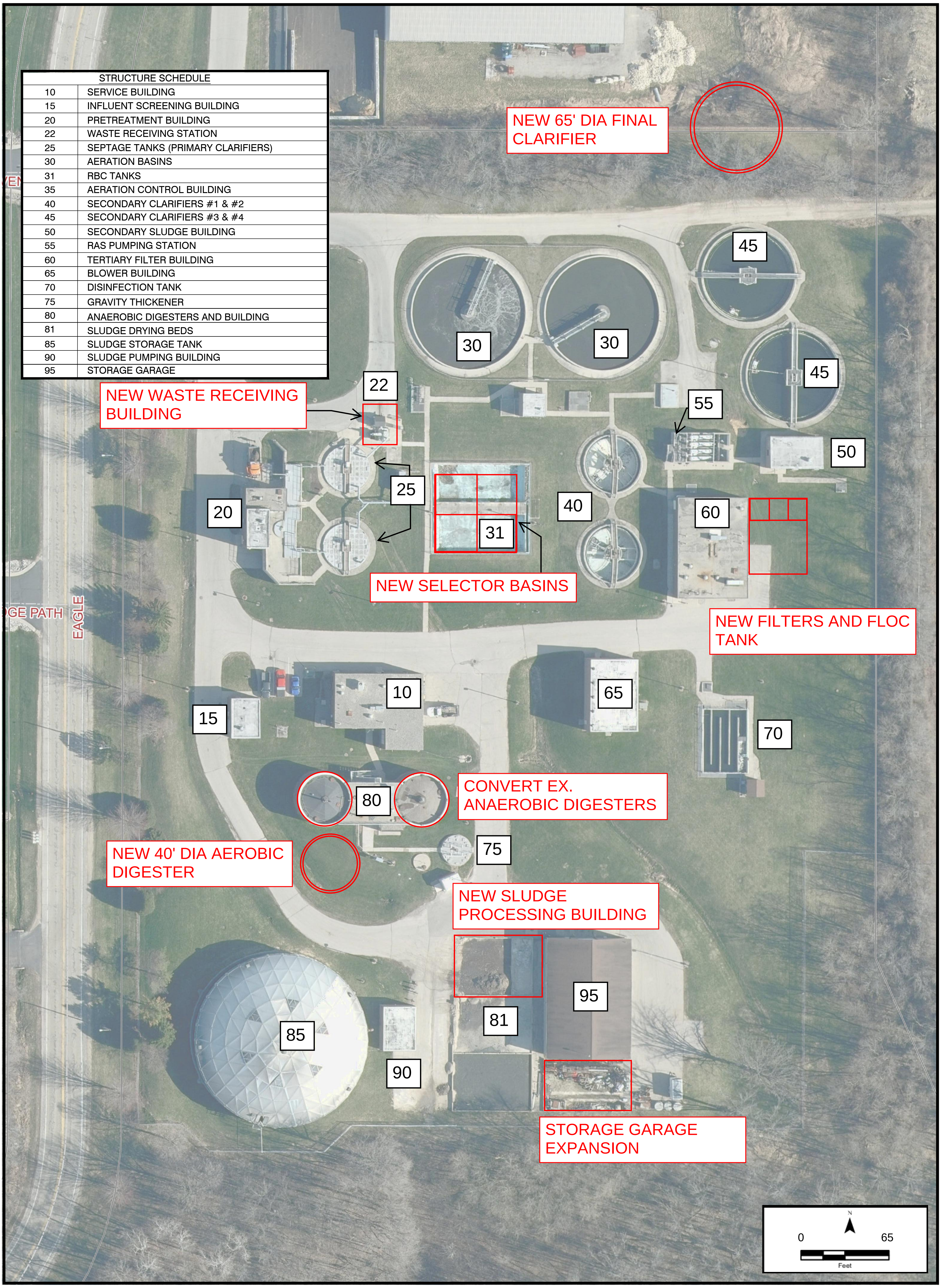
STRUCTURE SCHEDULE	
10	SERVICE BUILDING
15	INFLUENT SCREENING BUILDING
20	PRETREATMENT BUILDING
22	WASTE RECEIVING STATION
25	SEPTAGE TANKS (PRIMARY CLARIFIERS)
30	AERATION BASINS
31	RBC TANKS
35	AERATION CONTROL BUILDING
40	SECONDARY CLARIFIERS #1 & #2
45	SECONDARY CLARIFIERS #3 & #4
50	SECONDARY SLUDGE BUILDING
55	RAS PUMPING STATION
60	TERTIARY FILTER BUILDING
65	BLOWER BUILDING
70	DISINFECTION TANK
75	GRAVITY THICKENER
80	ANAEROBIC DIGESTERS AND BUILDING
81	SLUDGE DRYING BEDS
85	SLUDGE STORAGE TANK
90	SLUDGE PUMPING BUILDING
95	STORAGE GARAGE

Jackson WWTF
Alternative 2 - Expansion with Primary Clarifers
Anaerobic Digestion



STRUCTURE SCHEDULE	
10	SERVICE BUILDING
15	INFLUENT SCREENING BUILDING
20	PRETREATMENT BUILDING
22	WASTE RECEIVING STATION
25	SEPTAGE TANKS (PRIMARY CLARIFIERS)
30	AERATION BASINS
31	RBC TANKS
35	AERATION CONTROL BUILDING
40	SECONDARY CLARIFIERS #1 & #2
45	SECONDARY CLARIFIERS #3 & #4
50	SECONDARY SLUDGE BUILDING
55	RAS PUMPING STATION
60	TERTIARY FILTER BUILDING
65	BLOWER BUILDING
70	DISINFECTION TANK
75	GRAVITY THICKENER
80	ANAEROBIC DIGESTERS AND BUILDING
81	SLUDGE DRYING BEDS
85	SLUDGE STORAGE TANK
90	SLUDGE PUMPING BUILDING
95	STORAGE GARAGE

Jackson WWTF
Alternative 3 - Expansion with Aerobic Digestion



STRUCTURE SCHEDULE	
10	SERVICE BUILDING
15	INFLUENT SCREENING BUILDING
20	PRETREATMENT BUILDING
22	WASTE RECEIVING STATION
25	SEPTAGE TANKS (PRIMARY CLARIFIERS)
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85	SLUDGE STORAGE TANK
90	SLUDGE PUMPING BUILDING
95	STORAGE GARAGE

GREMMER
& ASSOCIATES, INC.
CONSULTING ENGINEERS

93 South Pioneer Road, Suite 300
Fond du Lac, WI 54935
Phone 920-924-5720
Fax 920-924-5725

September 8, 2022

Village of Jackson
W194 N16660 Eagle Drive
Jackson, WI 53037

Attention: Brian Kober, P.E.
Director of Public Works

Subject: Project: VOJ 21-01
Coffee Connection Trail
Jackson Drive – Eagle Drive
Pay Request #6

Dear Mr. Kober:

Enclosed you will find Pay Request #6 for the Coffee Connection Trail project in the Village of Jackson. The total amount, due to the contractor, includes the total retainage. This would close out the project.

Total work completed to date	= $ 399,393.42
Work completed, Pay Request #6	= $ 1,241.00
Total Retainage	= $ 8,964.32
Amount due to Contractor, Pay Request #6	= $ 10,205.32

If you have any questions or comments, please contact me at (920) 924-5720.

Sincerely,

Todd Drew

Todd Drew
Project Inspector
Gremmer & Associates, Inc.

Project VOJ 21-01
Coffee Connection Trail
Jackson Drive - Eagle Drive

Pay Request #6
Poblocki Paving - Prime Contractor

				Poblocki Paving		Pay Request #1		Pay Request #2		Pay Request #3		Pay Request #4		Pay Request #5		Pay Request #6		Cumulative Totals		% Complete
Item No.	**Description**	**Units**	**Total**	**Unit Price**	**Bid Total**	**Actual Quantity**	**Total**	**Actual Quantity**	**Total**	**Actual Quantity**	**Total**	**Actual Quantity**	**Total**	**Actual Quantity**	**Total**	**Actual Quantity**	**Total**	**Actual Quantity**	**Total**	
100-01	Removing Small Pipe Culverts	EACH	1	$200.00	$200.00		$0.00		$0.00	1.00	$200.00		$0.00		$0.00		$0.00	1	$200.00	100%
100-02	Removing Concrete Pavement	SY	65	$30.00	$1,950.00		$0.00		$0.00	63.00	$1,890.00		$0.00		$0.00		$0.00	63	$1,890.00	97%
100-03	Removing Asphaltic Surface	SY	35	$12.00	$420.00		$0.00		$0.00	84.00	$1,008.00		$0.00		$0.00		$0.00	84	$1,008.00	240%
100-04	Removing Curb & Gutter	LF	350	$11.00	$3,850.00		$0.00		$0.00	350.00	$3,850.00		$0.00		$0.00		$0.00	350	$3,850.00	100%
100-05	Removing Concrete Sidewalk	SY	65	$30.00	$1,950.00		$0.00		$0.00	47.00	$1,410.00		$0.00		$0.00		$0.00	47	$1,410.00	72%
100-06	Excavation Common	CY	637	$66.00	$42,042.00		$0.00	550	$36,300.00	316.00	$20,856.00		$0.00		$0.00		$0.00	866	$57,156.00	136%
100-07	Base Aggregate Dense 3/4-Inch	TON	104	$32.00	$3,328.00		$0.00		$0.00	105.12	$3,363.84		$0.00		$0.00		$0.00	105	$3,363.84	101%
100-08	Base Aggregate Dense 1 1/4-Inch	TON	1,135	$29.00	$32,915.00		$0.00	1252.94	$36,335.26	270.40	$7,841.60		$0.00		$0.00		$0.00	1523.34	$44,176.86	134%
100-09	Breaker Run	TON	180	$29.00	$5,220.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00	0%
100-10	Concrete Driveway 6-Inch	SY	31	$90.00	$2,790.00		$0.00		$0.00	31.33	$2,819.70		$0.00		$0.00		$0.00	31	$2,819.70	101%
100-11	Drilled Tie Bars	EACH	36	$15.00	$540.00		$0.00		$0.00	47.00	$705.00		$0.00		$0.00		$0.00	47	$705.00	131%
100-12	Asphaltic Surface	TON	370	$114.00	$42,180.00		$0.00		$0.00	433.30	$49,396.20		$0.00		$0.00		$0.00	433	$49,396.20	117%
100-13	Concrete Curb & Gutter 30-Inch Type D	LF	350	$66.00	$23,100.00		$0.00		$0.00	350.00	$23,100.00		$0.00		$0.00		$0.00	350	$23,100.00	100%
100-14	Concrete Curb Pedestrian	LF	25	$78.00	$1,950.00		$0.00		$0.00	25.00	$1,950.00		$0.00		$0.00		$0.00	25	$1,950.00	100%
100-15	Concrete Sidewalk 4-Inch	SF	2,910	$6.30	$18,333.00		$0.00		$0.00	2000.00	$12,600.00	95.57	$602.09		$0.00		$0.00	2096	$13,202.09	72%
100-16	Concrete Sidewalk 6-Inch	SF	755	$8.80	$6,644.00		$0.00		$0.00	1380.00	$12,144.00	171.20	$1,506.56		$0.00		$0.00	1551	$13,650.56	205%
100-17	Curb Ramp Detectable Warning Field Yellow	SF	135	$30.00	$4,050.00		$0.00		$0.00	154.00	$4,620.00		$0.00		$0.00		$0.00	154	$4,620.00	114%
100-18	Curb Ramp Detectable Warning Field Radial Yellow	SF	101	$30.00	$3,030.00		$0.00		$0.00	106.00	$3,180.00		$0.00		$0.00		$0.00	106	$3,180.00	105%
100-19	Lawn Restoration	SY	4,456	$10.14	$45,183.84		$0.00		$0.00	4010.00	$40,661.40	1198.01	$12,147.82	173.38	$1,758.07		$0.00	5381	$54,567.29	121%
100-20	Silt Fence	LF	1,895	$2.00	$3,790.00	1956	$3,912.00	260	$520.00		$0.00		$0.00		$0.00		$0.00	2216	$4,432.00	117%
100-21	Inlet Protection Type A	EACH	1	$105.00	$105.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00	0%
100-22	Inlet Protection Type C	EACH	6	$105.00	$630.00	6	$630.00		$0.00		$0.00		$0.00		$0.00		$0.00	6	$630.00	100%
100-23	Temporary Ditch Checks	LF	24	$30.00	$720.00	24	$720.00		$0.00		$0.00		$0.00		$0.00		$0.00	24	$720.00	100%
100-24	Culvert Pipe Checks	EACH	8	$185.00	$1,480.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00	0%
100-25	Posts Wood 4x6-Inch X 14-FT	EACH	20	$390.00	$7,800.00		$0.00		$0.00		$0.00		$0.00	18.00	$7,020.00		$0.00	18	$7,020.00	90%
100-26	Signs Type II Reflective F	SF	135.0	$26.00	$3,510.00		$0.00		$0.00		$0.00		$0.00	99.00	$2,574.00		$0.00	99	$2,574.00	73%
100-27	Traffic Control	LS	1	$8,556.00	$8,556.00	1	$8,556.00		$0.00		$0.00		$0.00		$0.00		$0.00	1	$8,556.00	100%
100-28	Geotextile Type SAS	SY	600	$2.40	$1,440.00		$0.00	397	$952.80		$0.00		$0.00		$0.00		$0.00	397	$952.80	66%
100-29	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	621	$10.86	$6,744.06		$0.00		$0.00	148.00	$1,607.28		$0.00	572.00	$6,211.92		$0.00	720	$7,819.20	116%
100-30	Marking Crosswalk Epoxy Ladder Pattern 24-Inch	LF	88	$44.36	$3,903.68		$0.00		$0.00		$0.00		$0.00	70.00	$3,105.20		$0.00	70	$3,105.20	80%
100-31	Sawing Asphalt	LF	225	$2.50	$562.50		$0.00	465.5	$1,163.75		$0.00		$0.00		$0.00		$0.00	465.5	$1,163.75	207%
100-32	Sawing Concrete	LF	115	$3.00	$345.00		$0.00	54	$162.00		$0.00		$0.00		$0.00		$0.00	54	$162.00	47%
200-01	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 14x23-Inch	LF	--	$180.00	$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00	NA
200-02	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 14x23-Inch	EACH	--	$1,060.00	$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00	NA
200-03	Storm Sewer Pipe Class III-A 12-Inch	LF	51	$138.00	$7,038.00	51	$7,038.00		$0.00		$0.00		$0.00		$0.00		$0.00	51	$7,038.00	100%
200-04	Inlet Covers Type MS	EACH	1	$748.00	$748.00	1	$748.00		$0.00		$0.00		$0.00		$0.00		$0.00	1	$748.00	100%
200-05	Inlets Median 1 Grate	EACH	1	$748.00	$748.00	1	$748.00		$0.00		$0.00		$0.00		$0.00		$0.00	1	$748.00	100%
200-06	Connect to Existing Storm Sewer Structure	EACH	1	$900.00	$900.00	1	$900.00		$0.00		$0.00		$0.00		$0.00		$0.00	1	$900.00	100%
200-07	Storm Sewer Pipe PVC SDR-35 6-Inch	LF	36	$53.00	$1,908.00	36	$1,908.00		$0.00		$0.00		$0.00		$0.00		$0.00	36	$1,908.00	100%
300-01	Adjusting Sanitary Sewer Manhole	EACH	9	$1,620.00	$14,580.00	9	$14,580.00		$0.00		$0.00		$0.00		$0.00		$0.00	9	$14,580.00	100%
400-01	Adjusting Water Valves	EACH	9	$600.00	$5,400.00	8	$4,800.00		$0.00		$0.00		$0.00		$0.00		$0.00	8	$4,800.00	89%
400-02	Adjusting Hydrants	EACH	1	$1,734.00	$1,734.00	1	$1,734.00		$0.00		$0.00		$0.00		$0.00		$0.00	1	$1,734.00	100%
400-03	Relocating Hydrant	EACH	1	$8,370.00	$8,370.00	1	$8,370.00		$0.00		$0.00		$0.00		$0.00		$0.00	1	$8,370.00	100%
500-01	Posts Wood 4x6-Inch X 16-FT	EACH	1	$410.00	$410.00		$0.00		$0.00		$0.00		$0.00	1.00	$410.00		$0.00	1	$410.00	100%
500-02	Posts Tubular Steel 2x2 X 16-FT	EACH	1	$410.00	$410.00		$0.00		$0.00		$0.00		$0.00	1.00	$410.00		$0.00	1	$410.00	100%
500-03	Signs Type II Reflective H	SF	10.5	$26.00	$273.00		$0.00		$0.00		$0.00		$0.00	39.18	$1,018.68		$0.00	39	$1,018.68	373%
500-04	Relocate Sign	EACH	1	$350.00	$350.00		$0.00		$0.00		$0.00		$0.00	2.00	$700.00		$0.00	2	$700.00	200%
500-05	Marking Line Epoxy 4-Inch	LF	141	$5.34	$752.94		$0.00		$0.00	173.00	$923.82		$0.00		$0.00		$0.00	173	$923.82	123%
500-06	Marking Stop Line Epoxy 18-Inch	LF	76	$25.00	$1,900.00		$0.00		$0.00	96.00	$2,400.00		$0.00		$0.00		$0.00	96	$2,400.00	126%
500-07	Removing Pavement Marking	LF	337	$2.34	$788.58		$0.00		$0.00	463.00	$1,083.42		$0.00		$0.00		$0.00	463	$1,083.42	137%
600-01	Sanitary Sewer Pipe PVC SDR-35 6-Inch, including all fittings (VOJ 21-02)	LF	50	$660.00	$33,000.00	50	$33,000.00		$0.00		$0.00		$0.00		$0.00		$0.00	50	$33,000.00	100%
700-01	Change Order: Install Asphalt Flume	LS	1	$1,241.00	$1,241.00		$0.00		$0.00		$0.00		$0.00		$0.00	1.00	$1,241.00	0	$0.00	0%
			TOTAL		**$359,813.60**		**$87,644.00**		**$75,433.81**		**$197,610.26**		**$14,256.47**		**$23,207.87**		**$1,241.00**		**$398,152.42**	**110.66%**

Pay Quantity differs from Requested Quantity (Est. 1&2)
Total Difference of $ 574.25

Work completed, previous estimate	**$23,207.87**			
Work completed, this estimate	**$1,241.00**		**$4,382.20**	**Retainage Est #1**
Total work completed	**$399,393.42**		**$3,771.69**	**Retainage Est #2**
Retainage, this estimate	**$0.00**		**$810.42**	**Retainage Est #3**
Total retainage, previous estimates	**$0.00**			
Total retainage	**$8,964.32**	**Max retainage to hold=**	**$8,964.32**	
Amout due to contractor, this estimate	**$10,205.32**			

POBLOCKI PAVING CORP.
100% EMPLOYEE-OWNED

P.O. Box 13456
Wauwatosa, WI 53213-0456

Ph: 414.476.9130 Fax: 414.476.9132

INVOICE: 110575A

Date:	8/16/2022
Your PO:	
Terms:	Upon Completion
Salesperson:	KOUTNICL
Contract #:	C29212 P1
Job #:	21CK0024

BILL
Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

SITE
Coffee Connection Trail
Asphalt Paving Project
Jackson, WI 53037

Project #: VOJ-21-01
Pay Application - FINAL

DESCRIPTION	PRICE
Retention	8,964.32
Asphalt Flume	1,241.00
TOTAL AMOUNT DUE	**10,205.32**

A Finance Charge of 1.5% (18% Per Annum) On All Invoices Past Due. Notice of Lien Will Be Filed If Not Paid Within 60 Days

Village of Jackson
Public Works Equipment
2023 Budget Year
September 21, 2022

Equipment Description	Vehicle Number	Life Span	Department	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
Big Orange #1, (1998) 1998 paid 2002									$175,000								$205,000			
Big Orange #2, (2002) 2003 paid 2008	selling											$190,000								
Big Orange #3 Snow Plow (2009)													$49,000	$195,000						
Big Orange #4 Snow Plow (2013)																		$210,000		
Backhoe/Loader Caterpillar (2012)																				
Snowblower John Deer Loader (1999)															$100,000					
New 1 ton Diesel Truck	selling																			
New 1 ton GAS Truck												$54,000				$70,000			$80,000	
Brush Chipper (Purchased in 2011)																$50,000				
replace waste supt truck								$24,000												
replace bucket truck (2004)													$150,000	?????						Building Truck might get truck in 2023
John Deer Loader (1992)															$125,000	$125,000				
Bob Cat Skid Steer						$5,000														
Vac / Jeter Truck WWTP														$500,000						
replace Water Super truck								$24,000												
Street Pick-up																		$60,000		
Bob Cat Skid Steer (2002)						$19,000								$86,000						
Zero Turn lawn mower									$15,000	$13,000				$15,000		$15,000			$17,000	
Trailer to haul mowers / skid loader									$5,600											
New Case Tractor to replace Allis																				
Ballfield Groomer						$16,000														
Total				$0	$0	$40,000	$0	$48,000	$195,600	$13,000	$0	$244,000	$199,000	$796,000	$225,000	$260,000	$205,000	$270,000	$97,000	

Patrol Trucks

2018 Year	2018 Age	2021 Year	2021 Age	2023 Year	2023 Age
1998	23	2003	18	2009	14
2003	18	2009	12	2012	11
2009	12	2012	9	2018	5
2012	9	2018	3	2021	2
	62		42		32

One Ton Truck

2021 Year	2021 Age	2023 Year	2023 Age
2000	21	2005	18
2005	16	2009	14
2009	12	2012	11
2012	9	2022	1
	58		44

Village of Jackson
5 YEAR CAPITAL (Utility/TIF Funding) IMPROVEMENTS
2023 Budget Year
Date: 9/21/2022

Improvement Projects	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
Ped Crossing Signal Lights - CTH P & HWY 60															DOT Project in 2024 for north half of intersection
Chateau Stub Removal							$50,000								
TIF Projects (TIF #6)				$300,000		$2,000,000	$300,000	$50,000	**$662,000**						
TIF Projects (TIF #7)								$50,000							
Eagle Drive and Hickory Lane							$50,000	$50,000	**$50,000**	$750,000	$750,000				
Ridgeway Dr from Main St to Chestnut Ct / Ridgeway Ct			$30,000	$1,037,823											
Ridgeway Dr from Chestnut Ct to Willow Ridge Dr/Chestnut Ct										$1,000,000					
Water main under tracks Cedar Creek Road (Laurel Springs)					$20,000										Developer expense other than 16 inch water main
Hunters Road & Chateau Drive Project						$550,000									
Willow Ridge from Hunters to Chateau Drive Reconstruction						$50,000	$500,000								
Chateau Drive from Wilshire Drive to Hunters Road				$30,000	$551,929										
Water main on Sherman (Dallmann Village Phase 2)															Part of Town supply of water
Water/Sewer Main - Sherman Rd (Glen Brooke Dr to Well 4)									**$450,000**						Developer expense?
Jackson Drive from STH 60 to Georgetown Drive														$275,000	
Aspen/Linden/Hawthorn Drive Storm Sewer										$292,000	$333,000	$369,000			
Wilshire Dr from Jackson Dr to Georgetown Dr	$30,000	$318,528													
Chateau Drive from Wilshire Drive to Hunters Road		$25,000	$388,770												
Georgetown Drive from Wilshire Drive to Ridgeway Drive	$400,000														
Cedar Creek Road Reconstruction				$61,379											
Repaving Cedar Creek Rd / Jackson Drive					$62,000		$35,000								Jackson Dr Laurel Springs
Stonehedge Dr/Heather/Clover/Forest View													$1,000,000		
STH 60 Shared Use Path Coffeeville to Eagle Drive							$290,000								Grant/Special Assessment
STH 60 - CTH P to Eagle Drive - Utility Repair								$50,000	**$2,000,000**						
STH 60 - CTH P to Eagle Drive - Streetlights								$250,000	**$250,000**						
CTH P - STH 60 to Sherman Road (Sewer and Water)									**$600,000**						
N. Center Street - STH 60 to Tower Drive											$600,000				
Jackson Drive from STH 60 to Old Fire Station												$600,000			
Intersection Improvement STH 60 & Eagle Drive								$100,000	**$170,000**	**$240,000**					20% of cost in 2024
Interceptor Hiking Trail (Relay or Additional Interceptor Sewer)											$500,000				Could happen with sewer replacement
Purchase of Old Park and Ride Property									**$120,000**						
Total	**$430,000**	**$343,528**	**$418,770**	**$1,429,202**	**$633,929**	**$2,600,000**	**$1,225,000**	**$450,000**	**$4,302,000**	**$2,282,000**	**$2,183,000**	**$969,000**	**$1,000,000**	**$275,000**	

Budget Worksheet

Account Number	Short account description	2021 Budget	2021 Actual 12/31/2021	2022 Budget	2022 Actual 08/09/2022	2022 Project Year-End	2023 Proposed Budget	
100-00-45410-000-000	PUBLIC WORKS REVENUE	100.00	9,770.00	100.00	275.56	454.67	100.00	
100-00-45430-000-000	RECYCLING REVENUE	100.00	1,654.04	0.00	250.68	1,000.00	0.00	
100-00-45720-000-000	STREET OPENING PERMITS	100.00	11,110.00	1,000.00	300.00	495.00	1,000.00	
100-00-45730-000-000	PLANNING / ZONING FEES	3,500.00	5,330.00	3,500.00	4,230.00	6,979.50	3,500.00	
	TOTAL REVENUES	**3,800.00**	**27,864.04**	**4,600.00**	**5,056.24**	**8,929.17**	**4,600.00**	
100-00-51605-110-000	VILLAGE OPERATION - WAGES	16,814.00	32,052.97	0.00	8,076.83	9,000.00	0.00	?
100-00-51605-125-000	VILLAGE OPERATION - HEALTH/LIF	0.00	0.00	0.00	1,074.99	1,075.00	0.00	?
100-00-51605-130-000	VILLAGE OPERATION - WRS	0.00	0.00	0.00	589.92	973.37	0.00	?
100-00-51605-135-000	VILLAGE OPERATION - SOCIAL SEC	0.00	0.00	0.00	543.04	896.02	0.00	?
100-00-51605-140-000	VILLAGE OPERATION - MEDICARE	0.00	0.00	0.00	127.03	209.60	0.00	?
100-00-51605-145-000	VILLAGE OPERATION - MED REIMBU	0.00	0.00	0.00	60.26	99.43	0.00	?
100-00-53200-110-000	ENGINEERING - WAGES	25,345.00	23,361.72	18,898.00	12,822.66	18,898.00	19,688.00	
100-00-53200-125-000	ENGINEERING - HEALTH/LIFE	0.00	0.00	4,398.00	3,370.60	5,561.49	4,718.00	
100-00-53200-130-000	ENGINEERING - WRS	0.00	0.00	1,228.00	873.69	1,441.59	1,338.78	
100-00-53200-135-000	ENGINEERING - SOCIAL SECURITY	0.00	0.00	1,172.00	749.21	1,236.20	1,221.00	
100-00-53200-140-000	ENGINEERING - MEDICARE	0.00	0.00	274.00	175.20	289.08	285.00	
100-00-53200-145-000	ENGINEERING - MED REIMBURSE	0.00	0.00	0.00	67.48	111.34	0.00	
100-00-53200-110-005	ENG/DPW ACTION IN JACK - WAGES	1,000.00	718.74	1,000.00	0.18	0.30	0.00	Not needed wages under parks
100-00-53200-125-005	ENG/DPW ACTION IN JACK -HEALTH	0.00	0.00	0.00	0.00	0.00	0.00	Not needed expensesunder parks
100-00-53200-130-005	ENG/DPW ACTION IN JACK - WRS	0.00	0.00	0.00	0.00	0.00	0.00	Not needed expensesunder parks
100-00-53200-135-005	ENG/DPW ACTION IN JACK - SS	0.00	0.00	0.00	0.00	0.00	0.00	Not needed expensesunder parks
100-00-53200-140-005	ENG/DPW ACTION IN JACK - MED	0.00	0.00	0.00	0.00	0.00	0.00	Not needed expensesunder parks
100-00-53200-200-000	ENG-ACTION IN JACKSON EXPENSES	0.00	0.00	0.00	34.13	800.00	1,500.00	
100-00-53200-300-000	ENGINEERING - CELL/TELEPHONES	500.00	592.06	500.00	217.55	358.96	500.00	
100-00-53200-305-000	ENGINEERING - POSTAGE	100.00	0.00	100.00	7.54	75.00	100.00	
100-00-53200-310-000	ENG - MATERIALS/SUPPLIES	1,000.00	28.00	1,000.00	0.00	500.00	1,000.00	
100-00-53200-320-000	ENGINEERING - FUEL/LUBRICANTS	500.00	183.96	300.00	139.43	230.06	300.00	
100-00-53200-335-000	ENGINEERING - UNIFORMS / SHOES	200.00	0.00	200.00	302.00	302.00	200.00	
100-00-53200-340-000	ENGINEERING - EDUC/TRAVEL/DUES	2,500.00	898.03	2,500.00	840.00	2,000.00	2,500.00	
100-00-53200-410-000	ENGINEERING - COMPUTER UPGRADE	500.00	25.28	500.00	89.00	89.00	0.00	
100-00-53200-411-000	ENGINEERING - COPIER	500.00	0.00	0.00	0.00	0.00	0.00	
100-00-53300-110-000	STREETS ADMIN - WAGES	1,267.00	337.17	945.00	102.73	945.00	984.00	
100-00-53300-125-000	STREETS ADMIN - HEALTH & LIFE	0.00	0.00	237.00	22.39	237.00	236.00	
100-00-53300-130-000	STREETS ADMIN - WRS	0.00	0.00	61.00	6.68	61.00	67.00	
100-00-53300-135-000	STREETS ADMIN - SOCIAL SECURIT	0.00	0.00	59.00	5.72	59.00	61.00	
100-00-53300-140-000	STREETS ADMIN - MEDICARE	0.00	0.00	14.00	1.34	14.00	14.00	
100-00-53300-145-000	STREETS ADMIN - MED REIMBURSE	0.00	0.00	0.00	0.54	0.89	0.00	
100-00-53302-110-000	STREETS OPERATION - WAGES	254,943.00	209,977.40	170,569.00	91,328.22	150,691.56	199,633.00	$20,000 for overtime
100-00-53302-125-000	STREETS OPERATION - HEALTH	0.00	0.00	50,398.00	31,041.62	51,218.67	61,407.00	
100-00-53302-130-000	STREETS OPERATION - WRS	0.00	0.00	11,087.00	5,927.66	9,780.64	13,575.04	
100-00-53302-135-000	STREETS OPERATION - SOC SECURI	0.00	0.00	10,575.00	5,661.42	9,341.34	11,137.00	
100-00-53302-140-000	STREETS OPERATION - MEDICARE	0.00	0.00	2,473.00	1,324.02	2,184.63	2,605.00	
100-00-53302-145-000	STREETS OPERATION - MED REIMBU	0.00	0.00	0.00	684.50	1,129.43	0.00	
100-00-53310-310-000	STREETS - MACHINERY / EQUIPMNT	30,000.00	31,463.76	30,000.00	11,968.86	30,000.00	30,000.00	
100-00-53310-311-000	STREETS - FUEL / LUBRICANTS	17,000.00	17,265.29	18,000.00	6,523.54	10,763.84	18,000.00	
100-00-53310-312-000	STREETS - WEED CONTROL / GRASS	500.00	186.99	500.00	370.39	500.00	500.00	
100-00-53310-313-000	STREETS - STREET SWEEPING	15,000.00	14,864.00	15,000.00	4,875.00	15,000.00	18,000.00	
100-00-53310-314-000	STREETS - SIGNS	3,000.00	3,085.16	3,000.00	1,741.49	2,873.46	3,000.00	
100-00-53310-315-000	STREETS - TOOLS	2,500.00	3,398.22	2,500.00	1,057.26	2,500.00	2,500.00	
100-00-53310-316-000	STREETS - SALT / SAND	67,511.00	61,189.68	59,602.00	49,846.13	59,600.00	57,511.00	
100-00-53310-317-000	STREETS - ASPHALT PATCHING	3,000.00	1,453.00	3,000.00	415.00	2,500.00	3,000.00	
100-00-53310-318-000	STREETS - CURB/GUTTER/SIDEWALK	5,000.00	0.00	5,000.00	0.00	5,000.00	5,000.00	
100-00-53310-319-000	STREETS - PAINTING / STRIPING	6,000.00	4,525.43	6,000.00	0.00	6,000.00	6,000.00	
100-00-53310-320-000	STREETS - SNOW / ICE REMOVAL	1,000.00	530.17	1,000.00	117.98	1,000.00	1,000.00	
100-00-53310-322-000	STREETS - OPERATING SUPPLIES	1,200.00	2,034.18	1,200.00	214.39	1,000.00	1,200.00	
100-00-53310-323-000	STREETS - STREET REPAIR	15,000.00	16,525.15	15,000.00	-14,671.72	29,000.00	15,000.00	
100-00-53310-324-000	STREETS - BLDGS / GROUNDS	12,000.00	3,061.50	12,000.00	11,488.93	11,500.00	30,000.00	Garage door & Roof
100-00-53310-325-000	STREETS - CELL PHONES	1,000.00	900.00	1,000.00	390.59	1,000.00	1,000.00	
100-00-53310-326-000	STREETS - UNIFORMS/MED SUPPLY	4,000.00	3,061.69	4,200.00	1,600.76	4,000.00	4,000.00	
100-00-53310-340-000	STREETS - EDUC / TRAVEL / DUES	1,500.00	592.21	1,500.00	827.02	1,364.58	1,500.00	
100-00-53310-412-000	STREETS - CRACK FILLING	20,000.00	20,000.00	20,000.00	0.00	20,000.00	20,000.00	
100-00-53310-416-000	STREETS - PORTABLE RADIOS	3,000.00	0.00	3,000.00	0.00	3,000.00	3,000.00	
100-00-53310-422-000	STREETS - UTILITIES	19,000.00	13,463.60	19,000.00	9,797.87	16,166.49	19,000.00	
100-00-53420-330-000	STREET LIGHTING - ELECTRICITY	125,000.00	138,241.74	130,000.00	61,074.94	100,773.65	130,000.00	
100-00-53420-331-000	STREET LIGHTING - POLES	6,000.00	0.00	10,000.00	0.00	10,000.00	10,000.00	
100-00-53441-310-000	STORM SEWER - CLEANING/REPAIR	3,000.00	1,670.25	3,000.00	136.07	3,000.00	3,000.00	
100-00-53620-110-000	TRASH ADMIN - WAGES	1,267.00	1,747.87	945.00	-1,283.31	945.00	984.00	
100-00-53620-125-000	TRASH ADMIN - HEALTH & LIFE	0.00	0.00	220.00	22.39	220.00	236.00	
100-00-53620-130-000	TRASH ADMIN - WRS	0.00	0.00	61.00	8.29	61.00	66.91	
100-00-53620-135-000	TRASH ADMIN - SOCIAL SECURITY	0.00	0.00	59.00	7.10	59.00	61.00	
100-00-53620-140-000	TRASH ADMIN - MEDICARE	0.00	0.00	14.00	1.66	14.00	14.00	
100-00-53620-145-000	TRASH ADMIN - MED REIMBURSE	0.00	0.00	0.00	0.67	1.11	0.00	
100-00-53624-110-000	TRASH CHIPPING/BRUSH - WAGES	52,705.00	34,397.72	39,141.00	10,819.54	38,000.00	41,158.00	
100-00-53624-125-000	TRASH CHIPPING/BRUSH - HEALTH	0.00	0.00	11,521.00	4,353.45	11,000.00	14,234.00	
100-00-53624-130-000	TRASH CHIPPING/BRUSH - WRS	0.00	0.00	2,544.00	683.57	2,544.00	2,798.74	
100-00-53624-135-000	TRASH CHIPPING/BRUSH - SOC SEC	0.00	0.00	2,427.00	624.99	2,427.00	2,552.00	
100-00-53624-140-000	TRASH CHIPPING/BRUSH - MEDICAR	0.00	0.00	568.00	146.17	568.00	597.00	
100-00-53624-145-000	TRASH CHIPPING/BRUSH - MED REI	0.00	0.00	0.00	86.89	143.37	0.00	
100-00-53625-315-000	TRASH - CURBSIDE PICKUP	258,999.00	199,621.14	252,295.00	91,908.93	234,000.00	241,809.00	
100-00-53625-325-000	TRASH - CHIPPING / BRUSH	20,000.00	170.00	20,000.00	4,067.27	20,000.00	20,000.00	
100-00-53635-325-000	RECYCLING - CURBSIDE PICKUP	182,310.00	181,213.16	191,788.00	78,924.84	175,000.00	189,861.00	
100-00-55200-110-000	PARKS ADMIN - WAGES	1,267.00	337.17	945.00	93.33	945.00	984.00	
100-00-55200-125-000	PARKS ADMIN - HEALTH & LIFE	0.00	0.00	220.00	22.39	220.00	236.00	
100-00-55200-130-000	PARKS ADMIN - WRS	0.00	0.00	61.00	11.25	61.00	66.91	
100-00-55200-135-000	PARKS ADMIN - SOCIAL SECURITY	0.00	0.00	59.00	9.63	59.00	61.01	
100-00-55200-140-000	PARKS ADMIN - MEDICARE	0.00	0.00	14.00	2.80	14.00	14.27	
100-00-55200-145-000	PARKS - MEDICAL REIMBURSE	0.00	0.00	0.00	396.64	397.00	0.00	
100-00-55202-110-000	PARKS OPERATIONS - WAGES	124,127.00	141,102.56	74,571.00	50,329.31	74,000.00	117,598.00	$15,000 in overtime & $24,000 summer help
100-00-55202-125-000	PARKS OPERATION - HEALTH & LIF	0.00	0.00	22,110.00	13,575.91	22,000.00	26,826.00	
100-00-55202-130-000	PARKS OPERATIONS - WRS	0.00	0.00	4,847.00	3,093.13	4,800.00	7,996.66	
100-00-55202-135-000	PARKS OPERATIONS - SOCIAL SECU	0.00	0.00	4,623.00	2,781.92	4,600.00	7,291.08	
100-00-55202-140-000	PARKS OEPRATIONS - MEDICARE	0.00	0.00	1,081.00	650.58	1,073.46	1,705.17	
100-00-55202-145-000	PARKS OPERATION - MED REIMBURS	0.00	0.00	0.00	0.00	0.00	0.00	
100-00-55210-310-000	PARKS - MACHINERY / EQUIPMENT	4,000.00	4,156.59	4,000.00	769.09	4,000.00	4,000.00	
100-00-55210-311-000	PARKS - BUILDING MAINTENANCE	5,000.00	11,216.61	6,000.00	2,979.39	4,915.99	6,000.00	
100-00-55210-312-000	PARKS - TREES / SHRUBS	12,000.00	13,076.96	12,000.00	4,725.00	7,796.25	12,000.00	
100-00-55210-313-000	PARKS - TOOLS	500.00	287.80	500.00	46.57	500.00	500.00	
100-00-55210-314-000	PARKS - OPERATING SUPPLIES	1,500.00	218.98	1,500.00	99.51	1,000.00	1,500.00	
100-00-55210-315-000	PARKS - TABLES / BENCHES	1,000.00	879.71	1,000.00	510.27	1,000.00	1,000.00	
100-00-55210-316-000	PARKS - PAPER/CLEAN PRODUCTS	3,500.00	2,397.51	3,500.00	1,490.26	2,458.93	2,500.00	
100-00-55210-317-000	PARKS - BALLFIELD MAINTENANCE	3,000.00	2,307.32	3,000.00	2,256.00	3,000.00	3,000.00	
100-00-55210-319-000	PARKS - PLAY APPARATUS MAINT	500.00	417.12	500.00	16.99	500.00	500.00	
100-00-55210-330-000	PARKS - TELEPHONE	1,500.00	2,235.06	2,200.00	1,084.80	1,789.92	2,000.00	
100-00-55210-331-000	PARKS - FUELS / LUBRICANTS	3,000.00	4,725.95	4,000.00	2,881.28	3,000.00	4,000.00	
100-00-55210-332-000	PARKS - ELECTRICITY / GAS	10,000.00	10,172.30	13,000.00	8,050.03	10,000.00	13,000.00	
100-00-55210-333-000	PARKS - WATER / SEWER	6,000.00	7,361.74	7,000.00	3,526.72	5,819.09	7,000.00	
100-00-55210-334-000	PARKS - GROUNDS MAINTENANCE	1,500.00	167.99	1,500.00	77.93	1,500.00	1,500.00	
100-00-55210-340-000	PARKS - EDUC / TRAVEL / DUES	1,000.00	20.00	1,000.00	647.63	1,000.00	1,000.00	
100-00-55210-422-000	PARKS - SPLASH PAD CHEMICALS	3,000.00	2,236.44	3,000.00	2,018.90	3,000.00	3,000.00	
100-00-55210-433-000	PARKS - PARK PROJECTS	0.00	0.00	0.00	0.00	0.00	0.00	
100-00-55210-436-000	PARKS - FERTILIZER/WEED CNTRL	7,000.00	6,047.95	7,000.00	1,050.00	1,732.50	5,000.00	
100-00-55210-439-000	PARKS - CAPITAL PROJECTS	17,000.00	5,442.62	50,000.00	32,161.10	50,000.00	34,000.00	New Roofs in Packson Park
	TOTAL EXPENDITURES	**1,388,055.00**	**1,237,645.62**	**1,392,804.00**	**639,772.89**	**1,302,516.24**	**1,483,931.58**	

Budget Worksheet

Account Number	Short account description	2021 Budget	2021 Actual 12/31/2021	2022 Budget	2022 Actual 08/09/2022	2022 Project Year-End	2023 Proposed Budget
300-00-45611-610-622	SEWER - RESIDENTIAL METERED	1,250,000.00	1,239,011.29	1,283,263.00	603,066.56	995,059.82	1,288,244.00
300-00-45611-611-622	SEWER - COMMERCIAL METERED	210,287.00	171,356.73	205,981.00	83,405.12	137,618.45	195,000.00
300-00-45611-612-622	SEWER - INDUSTRIAL METERED	100,000.00	56,542.41	50,000.00	27,388.43	45,190.91	56,000.00
300-00-45611-613-622	SEWER - INDUSTRIAL SURCHARGES	75,000.00	53,815.19	60,000.00	32,021.24	52,835.05	60,000.00
300-00-45611-615-622	SEWER - PUBLIC AUTHORITIES	15,000.00	21,432.18	15,000.00	8,765.51	14,463.09	15,000.00
300-00-45611-616-622	SEWER - HOLDING / SEPTIC TANK	200,000.00	209,458.10	200,000.00	155,645.35	256,814.83	200,000.00
300-00-45611-617-622	SEWER - MULTI FAMILY METERED	0.00	109,830.11	110,000.00	31,532.90	52,029.29	110,000.00
300-00-45612-000-631	SEWER - FORFEITED DISCOUNTS	0.00	5,434.17	0.00	2,011.76	3,319.40	0.00
300-00-45612-000-632	SEWER - CONNECTION FEES	100,000.00	272,000.00	100,000.00	40,000.00	66,000.00	100,000.00
300-00-45612-000-633	SEWER - S.INTERCPTR IMPACT FEE	0.00	4,902.00	0.00	387.00	638.55	0.00
300-00-45614-000-420	SEWER - PRIVATE WELL TESTING	0.00	1,320.00	0.00	820.00	1,353.00	0.00
300-00-45614-000-421	SEWER - NON-OPERATING INCOME	0.00	1,877.06	0.00	2,307.44	3,807.28	0.00
300-00-48110-000-419	SEWER - INTERST ON TEMP INVEST	0.00	1,951.14	0.00	11,432.54	18,863.69	0.00
300-00-49000-951-000	SEWER - SPECIAL ASSESSMENTS	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL REVENUES	**1,950,287.00**	**2,148,930.38**	**2,024,244.00**	**998,783.85**	**1,647,993.36**	**2,024,244.00**
300-00-57310-110-000	SEWER SUPERVISION/LABOR -WAGES	354,947.00	350,221.95	281,306.00	135,852.36	281,306.00	286,749.00
300-00-57310-125-000	SEWER SUPERVISION/LABOR-HEALTH	0.00	0.00	51,465.00	41,473.11	68,430.63	54,745.00
300-00-57310-130-000	SEWER SUPERVISION/LABOR - WRS	0.00	0.00	14,515.00	9,432.95	15,564.37	19,499.00
300-00-57310-135-000	SEWER SUPERVISION/LABOR - SS	0.00	0.00	13,845.00	8,848.90	14,600.69	17,779.00
300-00-57310-140-000	SEWER SUPERVISION/LABOR-MEDICA	0.00	0.00	3,238.00	2,069.48	3,414.64	4,158.00
300-00-57310-145-002	SEWER SUPERVISION - MED REIMBU	0.00	0.00	0.00	1,004.86	1,658.02	0.00
300-00-57310-110-001	SEWER DIGGERS HOTLINE -WAGES	10,000.00	6,574.72	7,113.00	4,228.77	7,113.00	5,365.00
300-00-57310-125-001	SEWER DIGGERS HOTLINE - HEALTH	0.00	0.00	0.00	215.02	0.00	3,286.00
300-00-57310-130-001	SEWER DIGGERS HOTLINE - WRS	0.00	0.00	0.00	15.28	0.00	365.00
300-00-57310-135-001	SEWER DIGGERS HOTLINE- SOC SEC	0.00	0.00	0.00	12.12	0.00	333.00
300-00-57310-140-001	SEWER DIGGERS HOTLINE-MEDICARE	0.00	0.00	0.00	2.83	0.00	78.00
300-00-57310-145-001	SEWER DIGGERS HOTLINE - MED RE	0.00	0.00	0.00	43.59	71.92	0.00
300-00-57310-822-000	SEWER DIGGERS HOTLINE EXPENSES	0.00	0.00	0.00	514.42	848.79	20,000.00
300-00-57310-823-300	SEWER - CHLORINE	3,000.00	2,198.25	3,000.00	2,199.89	3,629.82	3,500.00
300-00-57310-823-301	SEWER - ALUMINUM SULFATE	54,000.00	35,928.78	54,000.00	19,299.41	31,844.03	54,000.00
300-00-57310-823-302	SEWER - POLYMER	5,000.00	4,590.00	5,000.00	4,455.00	7,350.75	8,000.00
300-00-57310-823-303	SEWER - SODIUM BISULFATE	2,500.00	3,050.81	3,000.00	2,481.09	4,093.80	3,500.00
300-00-57310-823-304	SEWER - CHEMICALS	1,500.00	343.00	1,500.00	728.19	1,201.51	1,500.00
300-00-57310-825-000	SEWER - LAB TIME / SUPPLIES	9,000.00	8,740.11	12,000.00	4,814.93	7,944.63	1,200.00
300-00-57310-827-000	SEWER - OPERATION SUPPLIES	8,000.00	6,310.79	8,000.00	994.65	1,641.17	8,000.00
300-00-57310-828-000	SEWER - TRANSPORTATION	10,000.00	9,359.17	15,000.00	3,653.43	6,028.16	15,000.00
300-00-57310-829-000	SEWER - UTILITIES	130,000.00	140,812.98	140,000.00	84,607.39	139,602.19	150,000.00
300-00-57310-830-000	SEWER - UNIFORMS/SAFETY EQUIP	8,000.00	2,047.79	8,000.00	1,614.98	2,664.72	8,000.00
300-00-57310-831-000	SEWER - SLUDGE TESTING	1,500.00	28.97	1,500.00	0.00	0.00	1,500.00
300-00-57320-831-000	SEWER - COLLECT SYSTEM MAINT	60,000.00	31,585.28	60,000.00	9,278.03	15,308.75	60,000.00
300-00-57320-833-000	SEWER - EQUIPMENT MAINTENANCE	40,000.00	87,601.53	50,000.00	17,167.34	28,326.11	50,000.00
300-00-57320-834-000	SEWER - BLDGS / GROUNDS MAINT	100,000.00	83,586.15	135,000.00	47,164.89	77,822.07	136,700.00
300-00-57330-000-842	SEWER - JOINT METERING COSTS	0.00	39,231.00	0.00	0.00	0.00	0.00
300-00-57340-110-000	SEWER ADMIN - WAGES	48,156.00	43,158.00	36,379.00	20,416.00	36,379.00	37,900.00

300-00-57340-125-000	SEWER ADMIN - HEALTH & LIFE	0.00	0.00	8,465.00	5,466.66	9,019.99	11,661.00
300-00-57340-130-000	SEWER ADMIN - WRS	0.00	0.00	2,365.00	1,450.26	2,392.93	2,577.00
300-00-57340-135-000	SEWER ADMIN - SOCIAL SECURITY	0.00	0.00	2,255.00	1,314.86	2,169.52	2,350.00
300-00-57340-140-000	SEWER ADMIN - MEDICARE	0.00	0.00	527.00	307.50	507.38	550.00
300-00-57340-145-000	SEWER ADMIN - MEDICAL REIMBURS	0.00	0.00	0.00	108.68	179.32	0.00
300-00-57340-110-001	SEWER ACCT/BILLING - WAGES	45,000.00	32,811.45	35,394.00	14,008.28	35,394.00	36,748.00
300-00-57340-125-001	SEWER ACCT/BILLING - HEALTH	0.00	0.00	10,913.00	7,090.01	11,698.52	11,661.00
300-00-57340-130-002	SEWER ACCT/BILLING - WRS	0.00	0.00	1,697.00	1,039.01	1,714.37	2,500.00
300-00-57340-135-003	SEWER ACCT/BILLING - SOC SECUR	0.00	0.00	1,618.00	914.34	1,508.66	2,279.00
300-00-57340-140-004	SEWER ACCT/BILLING - MEDICARE	0.00	0.00	378.00	213.82	352.80	533.00
300-00-57340-145-001	SEWER ACCT/BILLING - MED REIMB	0.00	0.00	0.00	144.64	238.66	0.00
300-00-57340-851-000	SEWER - OFFICE SUPPLIES	1,000.00	112.48	1,000.00	0.00	0.00	1,000.00
300-00-57340-853-000	SEWER - PROP / LIAB INSURANCE	96,800.00	70,482.00	65,000.00	61,476.00	62,000.00	68,200.00
300-00-57340-860-000	SEWER - AUDIT / ACCOUNTNG FEES	15,000.00	1,200.00	15,000.00	7,175.00	11,838.75	15,000.00
300-00-57340-861-000	SEWER - METER CALIBRATION	5,000.00	350.00	5,000.00	0.00	0.00	5,000.00
300-00-57340-862-000	SEWER - SLUDGE HAULING	70,000.00	72,235.47	80,000.00	52,971.81	87,403.49	90,000.00
300-00-57340-863-000	SEWER - INDUSTRIAL MONITORING	10,000.00	8,172.00	10,000.00	3,180.00	5,247.00	10,000.00
300-00-57340-867-000	SEWER - CELL/TELEPHONES	3,000.00	1,892.95	3,000.00	1,371.62	2,263.17	3,000.00
300-00-57340-870-000	SEWER - SCADA SYSTEMS	6,000.00	3,845.45	6,000.00	2,424.19	3,999.91	6,000.00
300-00-57340-872-000	SEWER - POSTAGE	6,000.00	5,175.84	7,000.00	4,174.76	6,888.35	9,000.00
300-00-57340-877-000	SEWER - METAL / BIOESSAY TESTS	6,000.00	14,310.00	10,000.00	3,865.29	6,377.73	10,000.00
300-00-57350-864-000	SEWER - EDUCATION/TRAVEL/DUES	7,000.00	4,256.99	7,000.00	3,441.70	5,678.81	70,000.00
300-00-57350-865-000	SEWER - DNR ENVIRONMENTAL FEE	12,000.00	9,612.90	12,000.00	8,322.12	13,731.50	12,000.00
300-00-57350-866-000	SEWER - EMERGENCY RESPONSE BRD	500.00	405.00	500.00	405.00	405.00	500.00
300-00-58300-701-000	SEWER - REPLACEMENT FUND	273,600.00	10,122.41	273,600.00	4,146.95	273,600.00	273,600.00
300-00-58300-710-000	SEWER - CONTINGENCY	460,784.00	27.99	460,784.00	0.00	0.00	310,928.00
300-00-58300-715-000	SEWER - COMPUTER SOFTWRE UPGRD	12,000.00	6,271.40	12,000.00	8,194.93	12,000.00	12,000.00
300-00-58300-716-000	SEWER - TOOLS	3,000.00	1,997.56	4,000.00	210.00	4,000.00	4,000.00
300-00-58300-722-000	SEWER - THERMAL BONDING	2,000.00	0.00	2,000.00	0.00	2,000.00	2,000.00
300-00-58300-729-000	SEWER - DIGESTER FILTER STUDY	70,000.00	29,719.80	80,000.00	33,707.10	55,616.72	100,000.00
	TOTAL EXPENDITURES	**1,950,287.00**	**1,128,370.97**	**2,021,357.00**	**649,713.44**	**1,375,071.35**	**2,024,244.00**

Budget Worksheet

Account Number	Short account description	2021 Budget	2021 Actual 12/31/2021	2022 Budget	2022 Actual 08/09/2022	2022 Project Year-End	2023 Proposed Budget
200-00-45612-000-632	WATER - IMPACT FEE	20,500.00	56,580.00	20,500.00	8,200.00	25,830.00	25,000.00
200-00-46100-451-000	WATER - RESIDENT METERED SALES	700,000.00	677,174.40	725,000.00	326,501.72	710,000.00	745,000.00
200-00-46100-452-000	WATER - COMMERC METERED SALES	90,000.00	83,647.53	85,000.00	39,504.00	79,008.00	90,000.00
200-00-46100-453-000	WATER - INDUSTR METERED SALES	65,000.00	51,900.47	65,000.00	24,492.47	53,000.00	85,000.00
200-00-46100-454-000	WATER - PUBL AUTH METERED SLS	7,000.00	11,285.00	7,000.00	5,901.30	9,737.15	12,324.00
200-00-46100-455-000	WATER - MULTI FAMILY RESIDENT	0.00	54,786.26	95,000.00	41,935.70	83,870.00	95,000.00
200-00-46100-461-000	WATER - PUBL AUTH / PRIV FIRE	0.00	2,320.58	0.00	1,203.00	1,984.95	0.00
200-00-46100-462-000	WATER - PRIVATE FIRE PROTECTN	50,000.00	48,348.64	50,000.00	24,393.66	48,788.00	60,000.00
200-00-46100-463-000	WATER - PUBLIC FIRE PROTECTION	439,999.00	422,166.93	390,664.00	198,418.47	396,838.00	410,000.00
200-00-46100-470-000	WATER - PENALTIES	3,000.00	4,175.62	3,000.00	1,614.07	3,228.00	3,000.00
200-00-46100-471-000	WATER - SERVICE REVENUES	0.00	0.00	0.00	0.00	0.00	0.00
200-00-46100-474-000	WATER - OTHER WATER REVENUES	0.00	4,566.00	0.00	0.00	0.00	0.00
200-00-46100-500-000	WATER - RADIO READ CONTROL	0.00	125.00	0.00	125.00	206.25	0.00
200-00-46200-419-000	WATER - INTEREST ON INVESTMNTS	1,000.00	103.88	1,000.00	565.43	932.96	1,000.00
200-00-46200-421-000	WATER - CONTRIBUTIONS	0.00	174,254.00	0.00	0.00	0.00	0.00
200-00-46200-426-000	WATER - INCOME DEDUCTION	0.00	-269,901.72	0.00	0.00	0.00	0.00
200-00-46200-500-000	WATER - BULK WATER USAGE	12,000.00	19,332.14	12,000.00	31,976.40	52,761.06	25,000.00
200-00-46200-550-000	WATER - PRIVATE WELL PERMIT	0.00	20.00	0.00	0.00	0.00	0.00
200-00-46412-000-474	WATER - OTHER OPERATING REVEN	0.00	351.20	0.00	0.00	0.00	0.00
200-00-46500-000-419	WATER - MISC REVENUE	0.00	16,189.47	0.00	0.00	0.00	0.00
200-00-48610-000-000	WATER - SALE OF PROPERTY	0.00	0.00	0.00	17,600.00	29,040.00	0.00
	TOTAL REVENUES	**1,388,499.00**	**1,357,425.40**	**1,454,164.00**	**722,431.22**	**1,495,224.37**	**1,551,324.00**
200-00-51104-000-000	WATER - TWIN CREEKS	0.00	634.91	0.00	375.38	619.38	0.00
200-00-52000-110-000	WATER PUMPING PLANT - WAGES	50,000.00	28,058.94	42,118.00	12,158.52	42,118.00	43,761.00
200-00-52000-125-000	WATER PUMPING PLANT - HEALTH		0.00	8,332.00	3,736.10	6,164.57	8,897.00
200-00-52000-130-000	WATER PUMPING PLANT - WRS	0.00	0.00	2,693.00	857.45	1,414.79	2,976.00
200-00-52000-135-000	WATER PUMPING PLANT - SOC SEC	0.00	0.00	2,568.00	778.98	1,285.32	2,713.00
200-00-52000-140-000	WATER PUMPING PLANT - MEDICARE	0.00	0.00	639.00	182.22	300.66	635.00
200-00-52000-145-000	WATER PUMPING PLANT - MED REIM	0.00	0.00	0.00	75.48	124.54	0.00
200-00-52000-622-000	WATER -UTILITIES	70,000.00	55,882.87	70,000.00	42,111.66	69,484.24	75,000.00
200-00-52000-623-000	WATER - PUMP PLANT OPERATIONS	22,000.00	36,219.54	22,000.00	12,678.19	20,919.01	22,000.00
200-00-52000-623-300	WATER - PUMP PLANT EQUIPMENT	17,000.00	12,004.19	17,000.00	6,275.32	10,354.28	16,000.00
200-00-52000-624-000	WATER - TELEPHONE	1,500.00	2,267.53	2,000.00	1,218.54	1,800.00	2,000.00
200-00-52000-625-300	WATER - PUMPING MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00
200-00-52000-625-301	WATER - BUILDING / GROUNDS	175,000.00	16,562.79	175,000.00	10,508.44	100,000.00	175,000.00
200-00-52000-625-403	WATER - WELL MAINTENANCE	0.00	0.00	50,000.00	0.00	50,000.00	50,000.00
200-00-52000-625-405	WATER - WATER TOWER MAINT	0.00	0.00	47,000.00	17.98	15,800.00	20,000.00
200-00-53000-110-000	WATER DIGGERS HOTLINE - WAGES	10,000.00	16,651.00	7,113.00	5,389.00	7,113.00	5,365.00
200-00-53000-125-000	WATER DIGGERS HOTLINE - HEALTH	0.00	0.00	4,356.00	2,417.94	3,989.60	3,286.00
200-00-53000-130-000	WATER DIGGERS HOTLINE - WRS	0.00	0.00	651.00	413.05	681.53	730.00
200-00-53000-135-000	WATER DIGGERS - SOCIAL SECURIT	0.00	0.00	621.00	344.51	568.44	665.00
200-00-53000-140-000	WATER DIGGERS HOT - MEDICARE	0.00	0.00	145.00	80.56	132.92	156.00
200-00-53000-145-000	WATER DIGGERS HOTLINE - MED RE	0.00	0.00	0.00	57.46	94.81	0.00
200-00-53000-631-000	WATER - TREATMENT CHEMICALS	22,000.00	23,531.36	22,000.00	11,737.13	19,366.26	25,000.00
200-00-53000-632-000	WATER DIGGERS HOTLINE EXPENSES	0.00	0.00	0.00	1,048.62	1,730.22	1,000.00
200-00-54000-110-000	WATER DISTRIBUTION - WAGES	283,139.00	246,096.00	191,898.00	84,458.00	191,898.00	196,621.00
200-00-54000-125-000	WATER DISTRIBUTION - HEALTH	0.00	0.00	53,456.00	24,234.54	39,986.99	44,760.00
200-00-54000-130-000	WATER DISTRIBUTION - WRS	0.00	0.00	10,328.00	5,346.23	8,821.28	13,370.00
200-00-54000-135-000	WATER DISTRIBUTION - SOC SECUR	0.00	0.00	9,852.00	5,112.19	8,435.11	12,191.00
200-00-54000-140-000	WATER DISTRIBUTION - MEDICARE	0.00	0.00	2,304.00	1,195.63	1,972.79	2,851.00
200-00-54000-145-000	WATER DISTRIBUTION - MED REIMB	0.00	0.00	0.00	659.86	1,088.77	0.00
200-00-54000-641-300	WATER - TOOLS	6,000.00	7,223.26	6,000.00	696.79	6,000.00	6,000.00
200-00-54000-650-300	WATER - ENERGENICS MONITORING	4,500.00	3,346.83	4,500.00	722.53	4,500.00	5,000.00
200-00-54000-650-301	WATER - CATHODIC PROTECTION	2,000.00	2,160.00	3,000.00	0.00	3,000.00	3,000.00
200-00-54000-650-404	WATER - THERMAL BONDING	2,000.00	0.00	2,000.00	0.00	2,000.00	2,000.00
200-00-54000-651-000	WATER - MAINTENANCE OF MAINS	0.00	1,374.88	0.00	7.98	13.17	0.00
200-00-54000-651-300	WATER - REPAIR/REPLACE MAINS	40,000.00	106,695.31	50,000.00	10,565.90	3,000.00	50,000.00
200-00-54000-651-402	WATER - SYSTEM STUDY	20,000.00	6,625.00	20,000.00	585.00	20,000.00	20,000.00
200-00-54000-651-403	WATER - SYSTEM MAPPING	25,000.00	5,551.61	25,000.00	5,224.77	20,000.00	25,000.00
200-00-54000-653-000	WATER - METERS/REGISTERS/WIRE	50,000.00	19,864.92	75,000.00	43,900.41	72,435.68	75,000.00
200-00-54000-653-301	WATER - LARGE METER TESTING	3,500.00	860.15	3,500.00	1,518.25	1,600.00	3,500.00
200-00-54000-654-000	WATER - HYDRANT MAINTENANCE	4,000.00	1,750.71	4,000.00	0.00	4,000.00	4,000.00
200-00-54000-654-300	WATER - HYDRANT PAINTING	8,000.00	4,875.00	8,000.00	0.00	0.00	10,000.00
200-00-55000-110-000	WATER ACCT/BILLING - WAGES	45,000.00	33,089.00	35,394.00	15,503.00	35,394.00	36,748.00
200-00-55000-125-000	WATER ACCT/BILLING - HEALTH	0.00	0.00	10,913.00	6,353.00	10,913.00	11,661.00
200-00-55000-130-000	WATER ACCT/BILLING -WRS	0.00	0.00	1,696.00	1,048.90	1,730.69	2,499.00
200-00-55000-135-000	WATER ACCT/BILLING - SOC SEC	0.00	0.00	1,618.00	1,018.63	1,680.74	2,279.00
200-00-55000-140-000	WATER ACCT/BILLING - MEDICARE	0.00	0.00	378.00	238.22	393.06	0.00
200-00-55000-145-000	WATER ACCT/BILLING - MED REIMB	0.00	0.00	0.00	145.50	240.08	0.00
200-00-55000-110-001	WATER METER READING - WAGES	2,000.00	0.00	0.00	0.00	0.00	0.00
200-00-55000-125-001	WATER METER READING - HEALTH	0.00	0.00	0.00	0.00	0.00	0.00
200-00-55000-130-001	WATER METER READING - WRS	0.00	0.00	0.00	0.00	0.00	0.00
200-00-55000-135-001	WATER METER READING - SOC SEC	0.00	0.00	0.00	0.00	0.00	0.00
200-00-55000-140-001	WATER METER READING - MEDICARE	0.00	0.00	0.00	0.00	0.00	0.00
200-00-55000-145-001	WATER METER READING - REIMBURS	0.00	0.00	0.00	0.00	0.00	0.00
200-00-55000-923-300	WATER - CELL PHONES	1,600.00	892.46	1,600.00	400.00	1,200.00	1,600.00
200-00-55000-923-301	WATER - AUDIT / ACCOUNTNG	15,000.00	1,200.00	15,000.00	7,175.00	11,838.75	15,000.00
200-00-57000-110-000	WATER ADMIN - WAGES	48,156.00	49,680.00	36,379.00	19,502.00	49,680.00	37,900.00
200-00-57000-125-000	WATER ADMIN - HEALTH & LIFE	0.00	0.00	8,465.00	8,076.74	13,326.62	9,083.00
200-00-57000-130-000	WATER ADMIN - WRS	0.00	0.00	2,365.00	1,452.48	2,396.59	2,577.00
200-00-57000-135-000	WATER ADMIN - SOCIAL SECURITY	0.00	0.00	2,255.00	1,245.62	2,055.27	2,350.00
200-00-57000-140-000	WATER ADMIN - MEDICARE	0.00	0.00	527.00	291.30	480.65	550.00
200-00-57000-145-000	WATER ADMIN - MED REIMBURSE	0.00	0.00	0.00	110.54	182.39	0.00
200-00-57000-921-000	WATER - OFFICE SUPPLIES	2,000.00	1,652.89	2,000.00	565.85	1,500.00	2,000.00
200-00-57000-921-300	WATER - POSTAGE/COPIES	6,000.00	6,347.97	7,000.00	4,377.32	7,222.58	9,000.00
200-00-57000-922-000	WATER - UNIFORMS/SAFETY EQUIP	6,000.00	2,751.28	6,000.00	1,093.83	1,804.82	6,000.00
200-00-57000-924-000	WATER - PROP/LIABLTY INSURANCE	90,604.00	69,398.00	61,000.00	60,531.00	61,000.00	67,100.00
200-00-57000-928-000	WATER - REGULATORY COMM	3,500.00	617.09	3,500.00	542.00	2,000.00	3,500.00
200-00-57000-930-000	WATER - GENERAL EXPENSES	10,000.00	2,251.31	10,000.00	1,411.65	5,000.00	10,000.00
200-00-57000-930-300	WATER - EDUC / TRAVEL / DUES	8,000.00	6,966.65	8,000.00	6,168.50	8,000.00	9,000.00
200-00-57000-930-301	WATER - EMERGNCY RESPNSE REPTS	2,000.00	1,025.00	2,000.00	1,025.00	1,025.00	2,000.00
200-00-57000-931-000	WATER - FORMS/PRINTING	1,000.00	168.50	1,000.00	977.50	1,400.00	3,000.00
200-00-57000-933-000	WATER - FUEL / LUBRICANTS	10,000.00	6,293.23	10,000.00	4,012.80	7,000.00	10,000.00
200-00-57000-933-300	WATER - VEHICLE MAINT / EQUIP	9,000.00	6,519.19	9,000.00	183.58	5,000.00	9,000.00
200-00-57000-933-400	WATER - Mini Excavator with Sewer Utility	38,000.00	0.00	0.00	0.00	0.00	45,000.00
200-00-57000-933-452	WATER - SCADA SYSTEM	15,000.00	7,235.72	15,000.00	7,794.38	12,860.73	15,000.00
200-00-58000-408-300	WATER - PSC ANNUAL ASSESSMNT	0.00	1,588.00	0.00	0.00	0.00	0.00
200-00-58000-408-301	WATER - PYMNT IN LIEU OF TAXES	260,000.00	308,049.00	260,000.00	0.00	310,000.00	310,000.00
	TOTAL EXPENDITURES	**1,388,499.00**	**1,103,962.09**	**1,454,164.00**	**447,934.95**	**1,298,138.33**	**1,551,324.00**

Public Works Report
September 27, 2022

Treatment Plant - <u>Designed Capacity – 1.67 million gallons per day</u>
Peak Flow Capacity – 6.0 million gallons per day

Year 2020

January	Avg. Flow 1.280 MGD	Min. Flow 1.055 MGD	Max. 1.720 MGD
February	Avg. Flow 1.221 MGD	Min. Flow 1.000 MGD	Max. 1.630 MGD
March	Avg. Flow 1.581 MGD	Min. Flow 1.010 MGD	Max. 2.290 MGD
April	Avg. Flow 1.283 MGD	Min. Flow 940,000 g.p.d.	Max. 2.210 MGD
May	Avg. Flow 1.607 MGD	Min. Flow 1.010 MGD	Max. 4.090 MGD
June	Avg. Flow 1.178 MGD	Min. Flow 980,000 g.p.d.	Max. 1.510 MGD
July	Avg. Flow 1.269 MGD	Min. Flow 800,000 g.p.d.	Max. 2.370 MGD
August	Avg. Flow 1.042 MGD	Min. Flow 760,000 g.p.d.	Max. 1.510 MGD
September	Avg. Flow 1.148 MGD	Min. Flow 810,000 g.p.d.	Max. 1.850 MGD
October	Avg. Flow 1.172 MGD	Min. Flow 870,000 g.p.d.	Max. 2.210 MGD
November	Avg. Flow 1.122 MGD	Min. Flow 860,000 g.p.d.	Max. 1.770 MGD
December	Avg. Flow 1.164 MGD	Min. Flow 940,000 g.p.d.	Max. 1.480 MGD

Year 2021

January	Avg. Flow 1.075 MGD	Min. Flow 880,000 g.p.d.	Max. 1.460 MGD
February	Avg. Flow 1.015 MGD	Min. Flow 830,000 g.p.d.	Max. 1.590 MGD
March	Avg. Flow 1.525 MGD	Min. Flow 1.160 MGD	Max. 1.970 MGD
April	Avg. Flow 1.264 MGD	Min. Flow 1.020 MGD	Max. 1.950 MGD
May	Avg. Flow 1.108 MGD	Min. Flow 880,000 g.p.d.	Max. 1.450 MGD
June	Avg. Flow 1.091 MGD	Min. Flow 810,000 g.p.d.	Max. 1.670 MGD
July	Avg. Flow 983,226 g.p.d.	Min. Flow 780,000 g.p.d.	Max. 1.410 MGD
August	Avg. Flow 1.281 MGD	Min. Flow 800,000 g.p.d.	Max. 2.530 MGD
September	Avg. Flow 932,333 g.p.d.	Min. Flow 710,000 g.p.d.	Max. 1.170 MGD
October	Avg. Flow 930,000 g.p.d.	Min. Flow 770,000 g.p.d.	Max. 1.140 MGD
November	Avg. Flow 853,667 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 970,000 g.p.d.
December	Avg. Flow 952,581 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 1.330 MGD

Year 2022

January	Avg. Flow 839,968 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 960,000 g.p.d.
February	Avg. Flow 848,571 g.p.d.	Min. Flow 710,000 g.p.d.	Max. 1.080 MGD
March	Avg. Flow 1.499 MGD	Min. Flow 890,000 g.p.d.	Max. 3.910 MGD
April	Avg. Flow 2.245 MGD	Min. Flow 1.200 MGD	Max. 4.100 MGD
May	Avg. Flow 1.237 MGD	Min. Flow 850,000 g.p.d.	Max. 2.070 MGD
June	Avg. Flow 1.438 MGD	Min. Flow 780,000 g.p.d.	Max. 3.680 MGD
July	Avg. Flow 1.141 MGD	Min. Flow 760,000 g.p.d.	Max. 2.370 MGD
August	Avg. Flow		

Years Summary of Water Consumption

2006 Total Pumpage 207,719,000 gallons	2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons	2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons	2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons	2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons	2015 Total Pumpage 222,621,000 gallons
2016 Total Pumpage 254,531,000 gallons	2017 Total Pumpage 251,387,000 gallons
2018 Total Pumpage 241,322,000 gallons	2019 Total Pumpage 253,427,000 gallons
2020 Total Pumpage 259,413,000 gallons	2021 Total Pumpage 242,216,000 gallons

Year 2020

Jan.	Avg.	662,650 g.p.d.	Highest Day 769,000 gals.	Total	20,542,000 gallons
Feb	Avg.	682,280 g.p.d.	Highest Day 886,000 gals.	Total	19,786,000 gallons
March	Avg.	702,030 g.p.d.	Highest Day 837,000 gals.	Total	21,763,000 gallons
April	Avg.	731,070 g.p.d.	Highest Day 1.153 MGD	Total	21,932,000 gallons
May	Avg.	691,030 g.p.d.	Highest Day 915,000 gals.	Total	21,422,000 gallons
June	Avg.	806,030 g.p.d.	Highest Day 1.057 MGD	Total	24,181,000 gallons
July	Avg.	841,970 g.p.d.	Highest Day 1.431 MGD	Total	26,101,000 gallons
August	Avg.	878,710 g.p.d.	Highest Day 1.437 MGD	Total	27,240,000 gallons
Sept	Avg.	696,370 g.p.d.	Highest Day 1.058 MGD	Total	20,891,000 gallons
October	Avg.	677,160 g.p.d.	Highest Day 963,000 gals.	Total	20,992,000 gallons
Nov	Avg.	567,100 g.p.d.	Highest Day 850,000 gals.	Total	17,013,000 gallons
Dec	Avg.	566,130 g.p.d.	Highest Day 815,000 gals.	Total	17,550,000 gallons

Year 2021

Jan.	Avg.	565,650 g.p.d.	Highest Day 789,000 gals.	Total	17,535,000 gallons
Feb	Avg.	517,650 g.p.d.	Highest Day 913,000 gals.	Total	16,047,000 gallons
March	Avg.	583,770 g.p.d.	Highest Day 1.303 MGD	Total	18,097,000 gallons
April	Avg.	642,770 g.p.d.	Highest Day 1.190 MGD	Total	19,283,000 gallons
May	Avg.	659,610 g.p.d.	Highest Day 1.103 MGD	Total	20,448,000 gallons
June	Avg.	825,730 g.p.d.	Highest Day 1.311 MGD	Total	24,772,000 gallons
July	Avg.	750,190 g.p.d.	Highest Day 1.529 MGD	Total	23,256,000 gallons
August	Avg.	768,940 g.p.d.	Highest Day 1.920 MGD	Total	23,837,000 gallons
Sept	Avg.	633,060 g.p.d.	Highest Day 1.775 MGD	Total	19,625,000 gallons
Oct	Avg.	753,030 g.p.d.	Highest Day 1.992 MGD	Total	23,344,000 gallons
Nov	Avg.	619,870 g.p.d.	Highest Day 1.059 MGD	Total	18,596,000 gallons
Dec	Avg.	560,520 g.p.d.	Highest Day 1.167 MGD	Total	17,376,000 gallons

Year 2022

Jan.	Avg.	553,580 g.p.d	Highest Day 707,000 gals.	Total	17,161,000 gallons
Feb.	Avg.	575,360 g.p.d.	Highest Day 683,000 gals.	Total	16,110,000 gallons
March	Avg.	578,290 g.p.d.	Highest Day 861,000 gals.	Total	17,927,000 gallons
April	Avg.	606,400 g.p.d.	Highest Day 1.084 MGD	Total	18,192,000 gallons
May	Avg.	605,190 g.p.d.	Highest Day 808,000 gals.	Total	18,761,000 gallons
June	Avg.	660,500 g.p.d.	Highest Day 1.034 MGD	Total	19,815,000 gallons
July	Avg.	685,520 g.p.d.	Highest Day 853,000 gals.	Total	21,251,000 gallons
August	Avg.	654,160 g.p.d.	Highest Day 800,000 gals.	Total	20,279,000 gallons

Pump Capacity Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.

WWTP – Holding & Septage Receiving

2005	$ 87,562.01	**2006**	$101,115.11	**2007**	$152,201.07	**2008**	$210,441.47
2009	$183,815.34	**2010**	$197,653.66	**2011**	$220,576.28	**2012**	$236,224.70
2013	$235,336.46	**2014**	$203,938.32	**2015**	$210,644.47	**2016**	$220,473.17
2017	$232,358.23	**2018**	$245,767.74	**2019**	$219,822.80	**2020**	$204,656.11
2021	$209,083.10						

2020	**Holdings (gals)**	**Grease (gals)**	**G Decant (gals)**	**Septage (gals)**	**S Decant (gals)**	**Total Billings**
January	1,426,900				71,000	$11,872.50
February	1,310,500			2,250	88,500	$12,786.50
March	1,471,600	900		5,000	173,650	$16,429.05
April	1,263,950			29,000	326,170	$19,570.85
May	1,168,670			4,450	308,250	$17,255.86
June	1,253,900			9,900	196,550	$15,390.45
July	1,459,700			16,450	212,650	$17,734.10
August	1,148,750			4,250	168,530	$13,594.50
September	1,276,950			22,700	299,450	$18,723.35
October	1,372,200	2,200		39,750	456,000	$24,386.35
November	1,231,850			33,650	301,700	$18,911.55
December	1,489,450			16,950	160,200	$16,683.35

2021	**Holdings (gals)**	**Grease (gals)**	**G Decant (gals)**	**Septage (gals)**	**S Decant (gals)**	**Total Billings**
January	1,284,600			6,650	77,250	$12,507.30
February	1,386,475			3,000	44,450	$12,338.05
March	1,633,050			27,600	206,050	$19,457.65
April	1,425,850			38,000	268,500	$19,829.30
May	1,297,900			34,550	232,100	$17,740.45
June	1,392,350			52,800	258,500	$19,977.30
July	1,338,500			31,600	245,050	$18,256.25
August	1,499,450			31,200	196,250	$18,305.85
September	1,389,200			23,900	213,400	$17,524.10
October	1,275,550			16,250	297,260	$18,367.15
November	1,249,400			22,400	224,200	$16,608.20
December	1,448,000			32,000	205,900	$18,171.50

2022	**Holdings (gals)**	**Grease (gals)**	**G Decant (gals)**	**Septage (gals)**	**S Decant (gals)**	**Total Billings**
January	1,311,750	2,700			40,650	$11,780.25
February	1,321,050	8,000			48,350	$12,577.15
March	2,076,350	2,000		40,750	303,750	$26,238.30
April	1,791,650	5,400	1,500	101,700	326,050	$27,660.95
May	1,703,450		5,200	164,850	288,100	$28,456.35
June	1,759,050	3,000		100,400	373,050	$28,348.65
July	1,437,400	2,700		92,100	186,800	$20,583.70
August	1,670,350	1,200	3,500	63,700	242,850	$22,560.55

CTH P and STH 60 Intersection Project and old Park-n-Lot Property
This is a place holder for the item. We will look to contact WisDOT for a meeting this Fall of 2022.

Morning Meadows Subdivision
Streetlights are being planned by the Village for installation in Phase 1 and 2. Phase 1 and 2 has received the final lift of asphalt. Phase 3 has been put on hold by the Developer.

Little Lambs Subdivision (Glen Brooke Drive)
The Developer/Owner of property has placed the development on hold.

Willow Ridge Drive Reconstruction Project
The final assessment has been approved. Streetlights and growing grass are the remaining items.

Spruce Street/Ridgeway Drive Extension Project
We are working on a streetlight layout for the two streets. We have poles, and fixtures, but now the meter pedestals are back ordered for 12 to 40 weeks. No Change.

Coffee Connection Trail Project
The final assessment has been approved. The final pay request is being reviewed at the September meeting.

Eagle Drive & STH 60 Intersection Improvement
The project has been selected for funding by the West Bend Urbanized Area Committee. Now the selection goes to the Governor Evers for approval. Since the election is happening in November, we will have an announcement by the end of October if funding is approved.

Midwest Fiber Installation
Still waiting for them to start the Fiber to the Home Project.

Impact Fee Study
Contact has been made with Trilogy Consulting LLC, and they agreed to recognize the agreement signed in 2019. We are starting to collect data and will complete the study by the end of the year.

Stormwater Ponds Management Inspection Program
A pause in the inspections have occurred until the vegetation becomes less in the Fall. Difficult to walk around some ponds. We are using the time to look for pond plans.

Main Street (STH 60) Sewer and Water Replacement
Plan submittals have been made to WisDOT, and DNR for approval. We have received approval from the DNR for the sanitary replacement. The schedule is to have the plans and specs for advertisement on October 4th and 11th. The bid opening will be on Tuesday, October 18th. The Board of Public Works will review the bids at the October 25th meeting. The preliminary Engineering estimate for the project is $2 million.

CTH P (Sherman Road to STH 60) Utility Project
Once we are out to bid with the STH 60 Utility Project the design will be completed for the project with bidding in January.

Maple Fields Subdivision
East Gate Court is in the curb and roadway stage. The sanitary and water is being completed in the other areas with the next stage is storm sewer.

Respectfully submitted, Brian W. Kober, P.E.