EXHIBIT D

(Public Version)

City of Beaver Falls

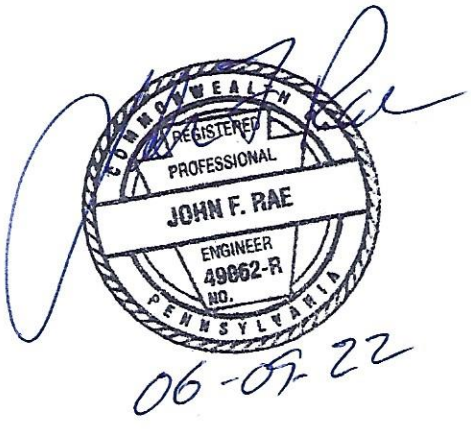
Beaver County, Pennsylvania

ENGINEERS ASSESSMENT of WASTEWATER SYSTEM ASSETS

DRAFT #1 - November 24, 2021

DRAFT #2 – February 1, 2022

FINAL – June 9, 2022



GANNETT FLEMING

Pittsburgh, Pennsylvania

Contents

1.0 Executive Summary

The City of Beaver Falls authorized Gannett Fleming, Inc. on November 5, 2021 to prepare an Act 12 Engineers Assessment Study for sale of its Wastewater System Assets to Aqua, PA. Pennsylvania Act 12 of 2016, amended Chapter 13 of the Pennsylvania Public Utility Code and the Final Implementation Order entered by the Public Utility Commission at Docket No. M-2016-2543193 (collectively, "Act 12") by adding section §1329 Valuation of acquired water and wastewater systems.

The Beaver Falls Wastewater System began initial installation in 1936-1938. The system components covered by this Study consists of gravity separate sanitary sewers and appurtenances within the City of Beaver Falls, one (1) sewage pump station in nearby Eastvale Borough, a sewage force main riding the SR0588 bridge over the Beaver River from Eastvale Borough to Beaver Falls, one (1) wastewater treatment plant (WWTP) and various plant equipment used to operate the WWTP.

An inventory of assets and a determination of original cost of installation as of 2021 is included in Appendix A. The Grand Total Original Cost, as shown on the summary of assets in Appendix A organized by the National Association of Regulatory Utility Commissioners System of Accounts for water and wastewater systems (NARUC account number) = $12,898,487.

A map of the City of Beaver Falls sewers and service area is contained in Appendix B. Photos are contained in the Report Section 5 – Condition Assessment.

2.0 List of Facilities:

Based on available records of construction and input from City staff, the following is a list of wastewater facilities:

2.1 Sanitary Sewers (See Appendix B):

- Total of 190,442 (36.1 miles) LF of PVC, VCP and CIP-Lined VCP ranging in size from 8-Inch to 24-inch diameter.
- Total of approximately 60,318 LF of service laterals from 3,351 connections.
- Total of 536 brick and 138 concrete manholes.
- Total of approximately 1,400 LF of 8-inch DIP force main connecting the Eastvale Pump Station to the City sewers.
- Total of six meter stations located at the City's boundary with adjacent municipalities along the western edge.

2.2 Eastvale Pump Station:

- Gorman-Rupp wet well mounted suction lift pumps installed over a new wet well connected to the original wet well/pump chamber.
- Prefabricated enclosure and packaged controls.
- Onsite emergency power generator (natural gas fueled).

2.3 Wastewater Treatment Plant:

- WWTP rated at 4.7 MGD Average Daily Flow (ADF) with primary settling tanks (3), biological contact oxidation towers (2), secondary settling tanks (5), chlorine disinfection tanks (2), anaerobic sludge digesters (2), belt filter press (1), grit separator (1), grease separator (1), various piping, pumps, blowers and controls. Dewatered sludge and process residuals are disposed at a regional landfill.
- Onsite emergency power generator (diesel fuel).
- Operating under NPDES Permit No. PA0026883, effective November 1, 2018 and expires October 31, 2023.

- Constructed under PADEP Part II Sewage Permit No. 0472402 as amended from time to time.

3.0 List of Projects:

Based on available records of construction and input from City staff, the following is a list of projects completed by the City:

3.1 Sanitary Sewers (See Appendix B):

- 1936-1938 Original VCP gravity sewers and brick manholes installed within the City of Beaver Falls. Sewers ranged in size from 8-inch to 15-inch diameter. Original sewer remaining in service include: 145,990 LF of 8-inch VCP; 4,000 LF of 10-inch VCP; 1,400 LF of 12-inch VCP; 4,200 LF of 15-inchVCP; and 5,100 LF of 8-inch Cured in Place (CIP) Lined VCP.
- 1990 Installed 1,800 LF of 8-inch PVC, 1,700 LF of 15-inch PVC and concrete manholes. The majority of this sewer replaced original sewers. The section from MH 60C to MH 245 eliminated a small pump station.
- 1991 Installed 4,800 LF of 12-inch PVC and concrete manholes to serve West Mayfield Borough and a portion of White Township.
- 1993 Installed 370 LF of 8-inch and 960 LF of 12-inch PVC and concrete manholes to replace original sewers.
- 1996 Replaced and upsized the East Trunk Sewer with 7,700 LF of 18-inch PVC, 11,607 LF of 24-inch PVC and concrete manholes.
- 1998 Replaced 815 LF of 8-inch VCP with 8-inch PVC and installed Cured-in-Place lining of 2,700 LF of 8-inch VCP sewer to rehabilitate and replace original sewers.
- 2008 Cured-in-Place lined 2,100 LF of 8-inch VCP sewer to rehabilitate original sewers.
- 2011 Cured-in-Place lined 300 LF of 8-inch VCP sewer to rehabilitate original sewers.

3.2 Eastvale Pump Station:

- 2006 Replacement of the original pump station along with a new force main riding the SR0588 bridge over the Beaver River.

3.3 Wastewater Treatment Plant:

- 1936-1938 Original plant consisting of Settling Tanks, Sludge Drying Beds and Anaerobic Digesters/Gas Control Building. Only the Anaerobic Digesters/Gas Control Building and a small portion of the Sludge Drying Beds from the original plant remain in service today.
- 1964 First major plant upgrade/expansion consisting of demolition of the original settling tanks and construction of the "Primary Treatment Plant" with installation of the Main Equipment Building, the Primary Settling Tanks 1-2-3 and the Outfall. All of these facilities remain in service today.
- 1974 Second major plant upgrade/expansion consisting of the construction of the "Secondary Treatment Plant" with installation of the Secondary Pump Station, Oxidation Tower #1, Final Settling Tanks 1-2, Chlorine Contact Tank, new Outfall connecting to the original outfall and the Garage (now known as the tool shop). All of these facilities remain in service today.
- 1996 Third major plant upgrade consisting of the expansion of the Secondary Plant with the installation of the Oxidation Tower #2, the Final Settling Tanks 3-4-5, the Grit Wash and Grease Separator Building, the Aerated Sludge Holding Tank, the Thickened Sludge Storage Tank, the Split Faced Block Garage/Belt Filter Press Building and upgrades to the Secondary Pump Station. All of these facilities remain in service today.
- 2010 Expansion of the Secondary Pump Station Wet Well. This facility remains in service today.
- 2010 Installed the three-bay Equipment Storage Building with Office. This facility remains in service today.

3.4 Future Plant:

- To our knowledge, there is no plant held for future use.

4.0 Cost Methodology

The Engineer met with representatives of the City of Beaver Falls, toured the WWTP and Eastvale Pump Station and retrieved various records of assets.

A list of inventory/assets was developed of the used and useful utility plant assets (including land and land rights) and any utility plant held for future use that is part of the System Assets. The assets were assigned an account number that conforms to the National Association of Regulatory Utility Commissioners (NARUC) System of Accounts for water and wastewater systems. The List of Inventory/Assets for the City of Beaver Falls wastewater system is shown in Appendix A.

The tables in Appendix A are organized to support the order of the List of Assets summary. Each table includes the following:

- The NARUC Account Number, Asset Description and year installed.
- Quantity, unit and unit price (if applicable) of each asset.
- Original Cost: Values in this column were derived from a found record of the cost at the time of installation.
- Replacement Value Today: If there was not a record of the Original Cost , the Replacement Value Today was derived from Gannett Fleming's opinion of probable cost based on our records from relevant and similar projects. The Replacement Value Today was then trended back to the year of installation using the ENR Construction Cost Index to determine an approximate Original Cost.

5.0 Condition Assessment

The Engineer met with representatives of the City of Beaver Falls, toured the WWTP and Eastvale Pump Station and assessed the condition of the assets. Conditions are noted in the section titles.

5.1 Sanitary Sewers Condition Assessment

Based on our facility tour, review of available documents and discussions with the operations staff, we offer the following condition assessments:

5.1.1 Gravity Sewers – Good Condition

The City has diligently pursued routine maintenance, repair, renewal and replacement of the collection system since 1990 as documented in section 3.1. Operations staff reports minimal I&I coming from the City sewers. Plant staff tracks boundary meter flow data and assigns that to the tributary municipalities, then compares that data to the total plant and assigns the difference to the City. The following table summarizes the flow per EDU for the tributary municipalities and the City for several months in 2021.

2021	Dec-20	JAN	FEB	MAR	APR	MAY	JUN	JUL
RAIN INCHES	2.97	1.64	2.23	2.71	2.88	4.41	3.23	4.56
EVPS	5,292,000	5,035,000	4,648,000	5,341,000	4,191,000	5,875,000	3,887,000	4,279,000
METER 1	6,314,000	5,354,000	4,193,000	5,526,000	3,801,000	4,666,000	2,297,000	7,909,000
METER 2	5,391,000	5,665,000	4,991,000	6,132,000	4,931,000	5,764,000	3,801,000	4,456,000
METER 3	3,763,000	3,407,000	3,917,000	6,690,000	3,742,000	4,363,000	3,367,000	3,779,000
METER 4	2,967,000	2,404,000	2,317,000	2,847,000	2,457,000	2,446,000	1,029,000	1,502,000
METER 5	2,421,000	2,015,000	2,533,000	3,085,000	1,936,000	2,237,000	1,586,000	2,388,000
METER 6	4,987,000	4,236,000	3,312,000	5,013,000	4,200,000	6,747,000	3,541,000	3,525,000
Trib Total Flow =	31,135,003	28,116,002	25,911,002	34,634,003	25,258,003	32,098,004	19,508,003	27,838,005
Trib EDUs (60 gpcd) =	2,732	2,732	2,732	2,732	2,732	2,732	2,732	2,732
Days/Mo =	31	31	28	31	30	31	30	31
Trib GPD/EDU =	368	332	339	409	308	379	238	329
BBMA	1,693,000	1,472,000	1,382,000	1,849,000	1,391,000	1,955,000	1,243,000	1,176,000
DALTON	1,411,600	1,957,476	1,752,309	1,655,059	1,448,200	1,795,277	1,430,887	1,332,854
VAL. WASTE	15,953	12,485	15,953	15,953	13,178	11,791	15,953	13,178
TOTAL	34,255,556	31,557,963	29,061,264	38,154,015	28,110,381	35,860,072	22,197,843	30,360,037
PLANT FLOW	65,290,000	67,540,000	57,940,000	73,750,000	57,910,000	80,280,000	47,660,000	53,410,000
CITY OF B.F.	31,034,444	35,982,037	28,878,736	35,595,985	29,799,619	44,419,928	25,462,157	23,049,963
City EDUs (60 gpcd) =	3,553	3,553	3,553	3,553	3,553	3,553	3,553	3,553
Days/Mo =	31	31	28	31	30	31	30	31
City GPD/EDU =	282	327	290	323	280	403	239	209

5.1.2 Service Sewers – Fair Condition

Per City Ordinance 4044, the customer is responsible for maintenance from their structure to the curb line and the City is responsible for maintenance from the curb line to the main. The City has occasionally assisted customers with issues, such as backwater preventers to stop basement backups.

5.1.3 Manholes – Fair Condition

Of the 674 manholes in the City, approximately 80% are brick and 20% are concrete. Operations staff reports minimal I&I from manholes, which indicates they are intact and structurally sound.

5.1.4 Meter Stations – Good Condition

The City owns and maintains six (6) boundary meters along the western edge of the City collection system. These meters measure flows contributed by the tributary municipalities. The meters are routinely visited and serviced as needed.

5.1.5 Force Main – Good Condition

The City owns and maintains the 8-inch force main from the Eastvale Pump Station, which rides the SR0588 Bridge over the Beaver River and discharges to MH 91. The force main was installed in 2006. There are no known or reported issues with the operation or integrity of the force main.

FIGURE 5.1-1: EASTVALE PUMP STATION FORCE MAIN RIDING THE SR0588 BRIDGE

5.2 Eastvale Pump Station Condition Assessment

Based on our facility tour, review of available documents and discussions with the operations staff, we offer the following condition assessments:

5.2.1 Wet Well – Fair Condition

The Eastvale pump station was upgraded in 2006. The wet well is the original wet well from circa 1993, was determined to be suitable for the expected life of the facility and was not replaced.

5.2.2 Pumps and Controls – Good Condition

New wet well mounted, suction lift pumps were installed with the 2006 upgrade. The City routinely checks the pump station and services the pumps as necessary.

5.2.3 Enclosure – Good Condition

During the 2006 upgrade, a new enclosure was provided as part of the Gorman-Rupp prepackaged pump station. All electrical and HVAC components are functioning properly.

5.2.5 Emergency Power – Good Condition

The emergency generator is natural gas powered. The City performs routine preventative maintenance to keep the generator functioning reliably.

5.2.6 Facility Photos

FIGURE 5.2-1: EASTVALE PUMP STATION VICINITY AND SECURITY FENCING

FIGURE 5.2-2: EASTVALE PUMP STATION SITE

FIGURE 5.2-3: EASTVALE PUMP STATION SUCTION LIFT PUMPS

FIGURE 5.2-4: EASTVALE PUMP STATION PUMP CONTROLS

FIGURE 5.2-5: EASTVALE PUMP STATION NATURAL GAS POWERED EMERGENCY GENERATOR

5.3 Wastewater Treatment Plant Condition Assessment

Based on our facility tour, review of available documents and discussions with the operations staff, we offer the following condition assessments:

5.3.1 Headworks-Preliminary Treatment – Fair Condition

The Headworks facility was constructed with the 1964 upgrade. The screening equipment is original, has been maintained and is serving its intended function. The raw sewage / primary settling pumps and electrical were replaced with the 1996 upgrade.

FIGURE 5.3 - 1: HEADWORKS-PRELIMINARY TREATMENT BUILDING

FIGURE 5.3 - 2: MANUAL BAR SCREEN

FIGURE 5.3 - 3: MECHANICAL BAR SCREEN

FIGURE 5.3 - 4: RAW SEWAGE PUMPS

5.3.2 Process Pumps and Blowers – Good Condition

The secondary pumps and the process air blowers were replaced with the 1996 upgrade and remain in service today.

FIGURE 5.3 - 5: SECONDARY/PRIMARY EFFLUENT PUMPS

FIGURE 5.3 - 6: PROCESS BLOWERS

5.3.3 Primary Settling – Fair Condition

The primary settling tanks were installed with the 1964 upgrade and remain in service today. While there is some evidence of minor seepage along the tank walls, the tanks appear to be providing the intended treatment.

FIGURE 5.3 - 7: PRIMARY SETTLING TANKS-TOP VIEW

FIGURE 5.3 - 8: PRIMARY SETTLING TANKS-SIDE VIEW

5.3.4 Secondary Aeration / Oxidation Towers – Good Condition

Oxidation Tower #1 with the brick façade was installed as part of the 1974 upgrade/expansion when the secondary treatment train was added and remains in service today. Oxidation Tower #2 with the bolted steel tank was installed as part of the 1996 expansion and remains in service today.

FIGURE 5.3 - 9: OXIDATION TOWER-TOP VIEW

5.3.5 Secondary Settling Tanks – Good Condition

Secondary settling tanks 1 and 2 were installed as part of the 1974 upgrade/expansion when the secondary treatment train was added and remain in service today. Secondary settling tanks 3-4-5 were installed as part of the 1996 expansion and remain in service today.

FIGURE 5.3 - 10: SECONDARY SETTLING TANKS AND OXIDATION TOWERS

5.3.6 Chlorine Disinfection System and Tanks – Good Condition

The chlorine disinfection system, chlorinator and chlorine contact tanks were installed as part of the 1974 upgrade/expansion and remain in service today.

FIGURE 5.3 - 11: CHLORINE SCALES

FIGURE 5.3 - 12: CHLORINATOR

FIGURE 5.3 - 13: CHLORINE CONTACT TANKS-TOP VIEW

5.3.7 Aerated Sludge Thickener – Good Condition

The aerated sludge thickening tank was installed as part of the 1996 upgrade/expansion and remains in service today.

FIGURE 5.3 - 14: SLUDGE THICKENING TANK

5.3.8 Thickened Sludge Holding Tank– Good Condition

The thickened sludge holding tank was installed as part of the 1996 upgrade/expansion and remains in service today. The air scrubber system shown in Figure 5.3-15 remains in service today.

FIGURE 5.3 - 15: THICKENED SLUDGE TANK AND AIR SCRIBBER - TOP VIEW

5.3.9 Sludge Dewatering Building and Belt Filter Press – Good Condition

The sludge dewatering building and belt filter press used for sludge dewatering were installed as part of the 1996 upgrade/expansion and remain in service today.

FIGURE 5.3 - 16: SLUDGE DEWATERING BUILDING AND SLUDGE CAKE ROLLOFF BOX

FIGURE 5.3 - 17: BELT FILTER PRESS

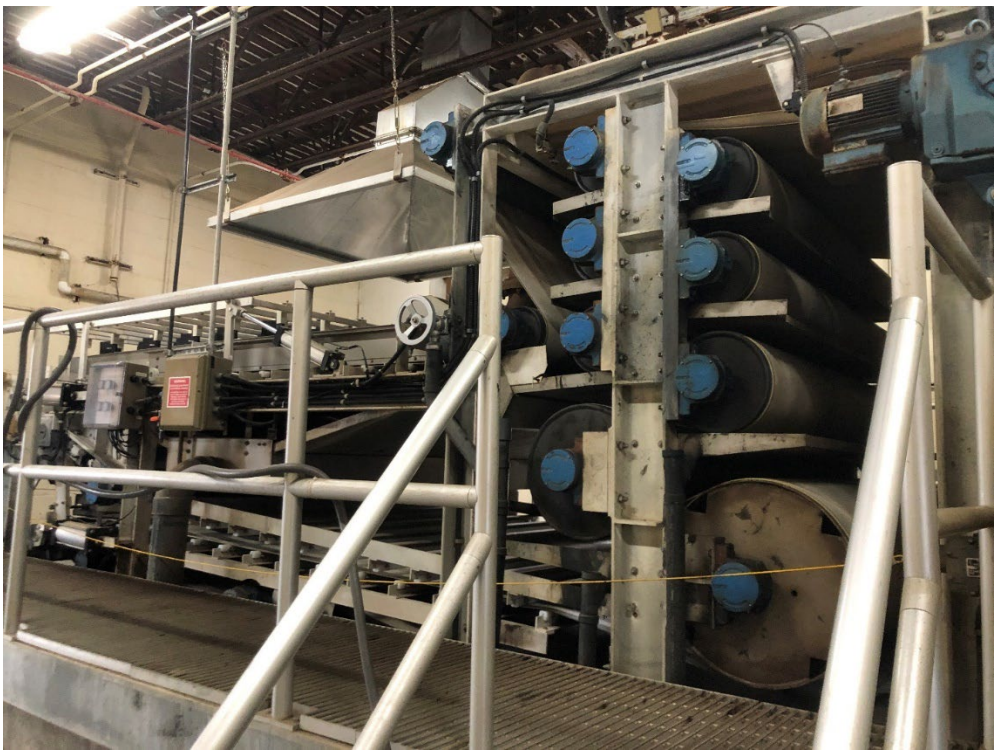


FIGURE 5.3 - 18: BELT FILTER PRESS

5.3.10 Residuals Handling, Grit Separator, Oil/Grease Separator – Good Condition

The residuals handling building, grit separator and oil & grease separator equipment were installed as part of the 1996 upgrade/expansion and remain in service today.

FIGURE 5.3 - 19: RESIDUALS HANDLING BUILDING

FIGURE 5.3 - 20: GRIT SEPARATOR EQUIPMENT

FIGURE 5.3 - 21: OIL & GREASE SEPARATOR

5.3.11 Anaerobic Digestion – Poor to Fair Condition

The anaerobic digesters, control building and sludge drying beds (4) were installed as part of the original plant constructed in 1936-1938. The digesters and control building remain in service today. Two of the sludge drying beds were demolished in 2010 to make room for the three-bay garage. Two of the sludge drying beds remain but are not necessarily used as part of normal plant operations. Operators report that the beds are only used to store excessive grit received after a heavy rain fall. They then use their front loader to scoop a little bit out at a time and put it in the roll off dumpster. Operators report they do not routinely use the beds for anything else and are not sure if they can draw sludge from the digesters into the bed. New gas meters and heat exchanger were installed as part of the 1996 upgrade.

FIGURE 5.3 - 22: ANAEROBIC DIGESTER – TOP VIEW - FLOATING COVER

FIGURE 5.3 - 23: ANAEROBIC DIGESTER TANKS - SIDE VIEW

FIGURE 5.3 - 24: DIGESTER BUILDING

FIGURE 5.3 - 25: DIGESTER WASTE GAS BURNER

FIGURE 5.3 - 26: REMAINING SLUDGE DRYING BED

FIGURE 5.3 - 27: ANAEROBIC DIGESTER PIPING AND EQUIPMENT

FIGURE 5.3 - 28: ANAEROBIC DIGESTER WASTE GAS METER

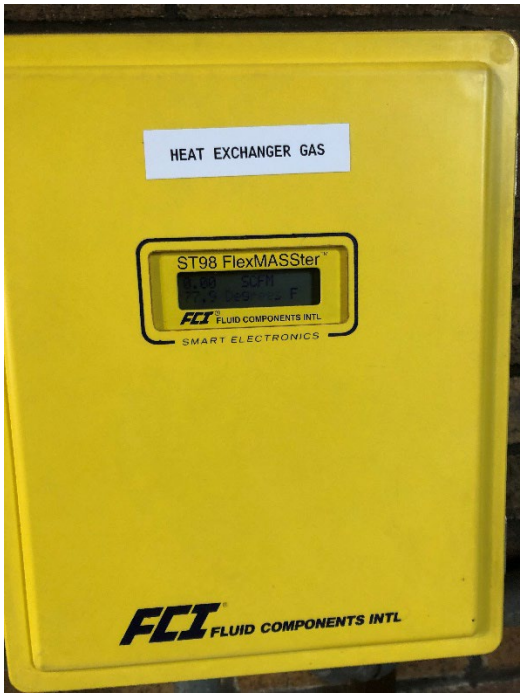


FIGURE 5.3 - 29: ANAEROBIC DIGESTER HEAT EXCHANGER GAS METER

5.3.12 Process and Inter-Unit Piping – Good Condition

Process piping was installed during the respective upgrades/expansions and remains in service. Likewise, inter-unit piping that runs between the facilities was installed during the respective upgrades/expansions and remains in service. Inter-unit piping is buried, could not be viewed so condition is assumed good based on discussions with operations staff.

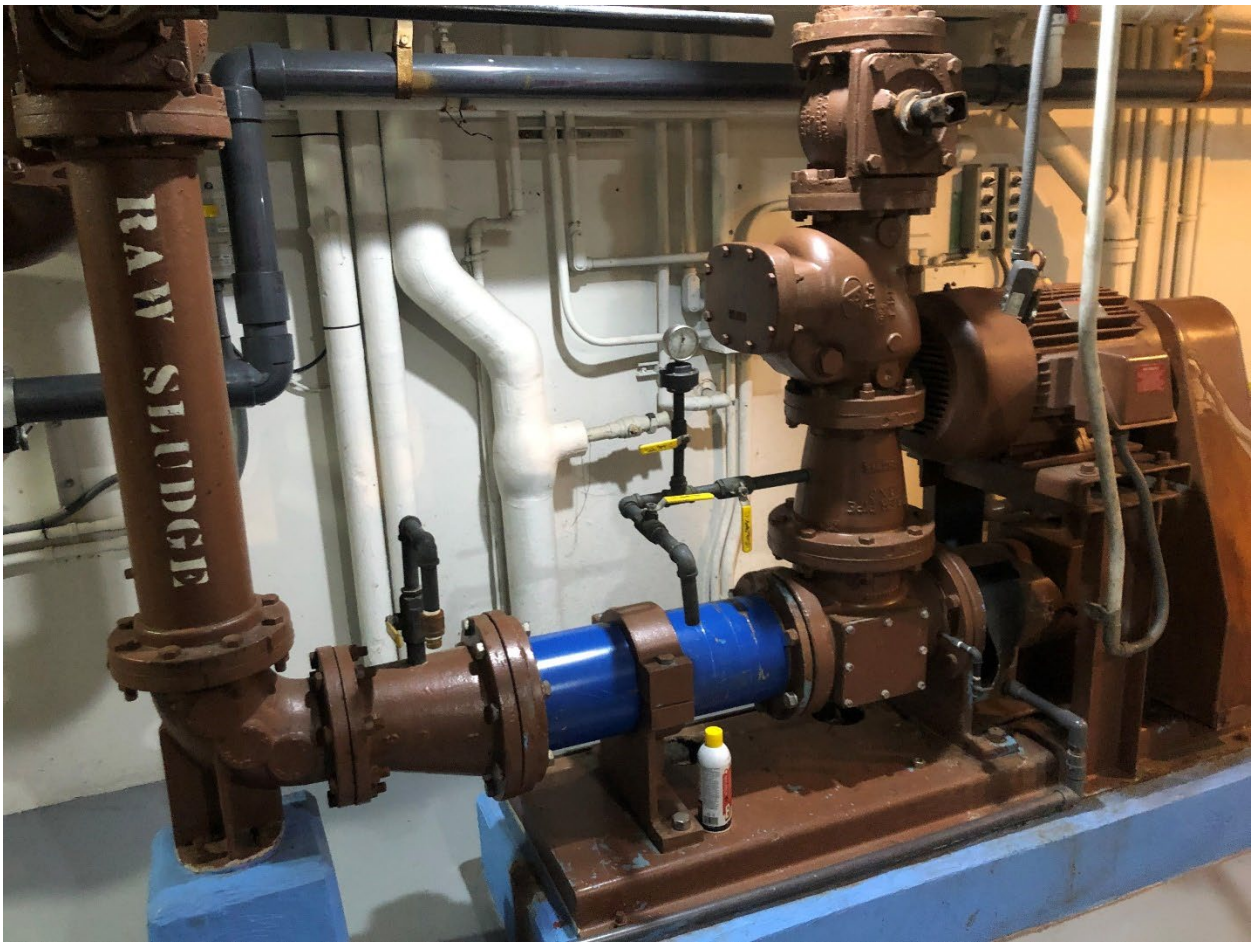


FIGURE 5.3 - 30: SLUDGE TRANSFER PUMPS

FIGURE 5.3 - 31: PRIMARY TANK FEED PIPING

5.3.13 Laboratory Equipment – Good Condition

The onsite lab consist of commercial quality casework installed as part of the 1996 upgrade and is used primarily for process control.

FIGURE 5.3 - 32: LAB FUME HOOD

FIGURE 5.3 - 33: LAB CASEWORK AND FUME HOOD

5.3.14 Electrical & Instrumentation Facilities – Good Condition

Motor Control Centers, distribution panels, lighting panels, duct banks etc were installed as part of each plant upgrade/expansion to service buildings and equipment being installed with each project.

FIGURE 5.3 - 34: MOTOR CONTROL CENTERS

FIGURE 5.3 - 35: AUTOMATIC TRANSFER SWITCH

FIGURE 5.3 - 36: MOTOR CONTROL CENTER

FIGURE 5.3 - 37: EMERGENCY GENERATOR

FIGURE 5.3 - 38: PLANT FLOW METER

5.3.15 HVAC Facilities – Good Condition

Heating, ventilation and air conditioning systems are a combination of electric unit heaters, gas fired unit heaters, roof top AC units, portable AC units, window AC units and a combination heat/AC unit.

FIGURE 5.3 - 39: ELECTRIC UNIT HEATER-GRIT BUILDING

FIGURE 5.3 - 40: ELECTRIC UNIT HEATER OFFICE AREA

FIGURE 5.3 - 41: GAS FIRED UNIT HEATER GARAGE AREA

FIGURE 5.3 - 42: PORTABLE AC UNIT

FIGURE 5.3 - 43: ROOF TOP AC UNIT OFFICE AREA

FIGURE 5.3 - 44: COMBO HEAT-AC UNIT

5.3.16 Three Bay Garage – Good Condition

The three bay garage was installed in 2010 as a stand alone project. This building is used to store the various plant vehicle and equipment and includes a climate controlled office space for operations staff.

FIGURE 5.3 - 45: PEMB VEHICLE AND EQUIPMENT STORAGE BUILDING

FIGURE 5.3 - 46: OFFICE SPACE INSIDE THREE BAY GARAGE

FIGURE 5.3 - 47: WORK STATION IN THREE BAY GARAGE OFFICE SPACE

FIGURE 5.3 - 48: WORK STATION INSIDE GARAGE OFFICE SPACE

FIGURE 5.3 - 49: WORK STATION INSIDE GARAGE OFFICE SPACE

FIGURE 5.3 - 50: WORK STATION INSIDE GARAGE OFFICE SPACE

5.3.17 Maintenance Garage – Fair Condition

The maintenance garage was installed as part of the 1964 upgrade/expansion and is used to house various tools, welding equipment and machining equipment, all of which remain in service today.

FIGURE 5.3 - 51: MAINTENANCE GARAGE AND TOOL SHOP BUILDING

FIGURE 5.3 - 52: MAINTENANCE TOOLS

FIGURE 5.3 - 53: MAINTENANCE TOOLS

FIGURE 5.3 - 54: MAINTENANCE TOOLS

FIGURE 5.3 - 55: MAINTENANCE TOOLS

5.3.18 Vehicles and Garage Equipment – Good Condition

The following photos show equipment typically stored in the three-bay garage and available for use by the operations staff. This equipment is listed in Tables 8 and 10 of the List of Assets.

FIGURE 5.3 - 56: MOWERS AND BOBCAT SKID STEER

FIGURE 5.3 - 57: PORTABLE PUMP

FIGURE 5.3 - 58: BACKHOE

FIGURE 5.3 - 59: 1992 F350 1-TON DUMP

FIGURE 5.3 - 60: 2020 F250 4X4

FIGURE 5.3 - 61: 2014 F150 4X4

5.3.19 Miscellaneous Equipment and Tools

The following photos show equipment and tools stored in the three-bay garage and available for use by the operations staff. This equipment is listed in Table 10 of the List of Assets.

FIGURE 5.3 - 62: SHOP EQUIPMENT

FIGURE 5.3 - 63: SHOP EQUIPMENT AND TOOL CHEST

FIGURE 5.3 - 64: SHOP SUPPLIES

6.0 Engineering Support

The Engineer will respond to RFIs on this Study from the buyers and seller's UVE consultants as well as RFIs / questions from the PUC process reviews (BI&E, OCA, etc).

END OF REPORT

APPENDIX A

Original Cost of Inventory/Assets

ORGANIZED BY ACCOUNT NUMBER

ACCOUNT	PROPERTY DESCRIPTION	REFERENCE TABLE	ORIGINAL COST	COMMENTS
353 - Land and Land Rights				
353.2	Land & ROW - Collection Sewers	4	$ 109.00	109 Easements at $1 each
353.3	Land & ROW - Pumping Station (Eastvale)	2	$ 1.00	1 Easement at $1 each
353.4	Land & ROW - Treatment Plant	1	$ 36,900.00	Several lots combined on same deeds
			$ 37,010.00	
354 - Structures and Improvements				
354.3	Structures & Imp. - Pumping Station (Eastvale)	2	$ 133,168.00	
354.4	Structures & Imp. - WWTP	1	$ 4,519,461.75	
			$ 4,652,629.75	
355 - Power Generation Equipment				
355.3	Power Gen. Equip. - Pumping Station	2	$ 4,972.78	
355.4	Power Gen. Equip. - WWTP	1	$ 87,502.00	
			$ 92,474.78	
360 - Collection Sewers - Force				
		3	**234,542.22**	
361 - Collection Sewers - Gravity				
		4	**$ 3,804,748.05**	
363 - Services to Customers				
		5	**$ 170,292.73**	
364 - Flow Measuring Devices				
		6	**$ 57,104.19**	
371 - Pumping Equipment				
371.3	Pumping Equip. - Pumping Station	2	$ 236,966.95	
371.4	Pumping Equip. - WWTP	1	$ 350,796.01	
371.4	Pumping Equip. - WWTP Raw Influent Pumping Station	1	$ 142,799.00	
			$ 730,561.96	
380 - Treatment and Disposal Equipment				
380.4	Treatment & Disp. - WWTP	1	**$ 1,928,800.48**	
381 - Plant Sewers				
381.4	Plant Sewers - WWTP	1	**$ 721,765.15**	

ORGANIZED BY ACCOUNT NUMBER

ACCOUNT	PROPERTY DESCRIPTION	REFERENCE TABLE	ORIGINAL COST	COMMENTS
382 - Outfall Sewer Lines				
382.4	Outfall Sewer Lines - WWTP	1	$ 70,212.80	
389 - Other Plant and Misc Equipment				
389.4	Other Plant & Misc. Equip. - WWTP	1	$ 27,490.27	
390 - Office Furniture and Equipment				
390.7	Office Furniture & Equip. - General Plant	7	8,606.74	
391 - Transportation Equipment				
391.7	Transportation Equip. - General Plant	8	175,120.82	
392 - Stores Equipment				
392.7	Stores Equip. - General Plant	9	$ 14,999.28	
393 - Tools, Shop, and Garage Equipment				
393.7	Tools, Shop, & Garage Equip. - General Plant	10	104,839.62	
394 - Laboratory Equipment				
394	Laboratory Equip. - General Plant	11	$ 53,688.11	
395 - Power Operated Equipment				
395.7	Power Operated Equip. - General Plant	12	-	
396 - Communication Equipment				
396.7	Communication Equip. - General Plant	13	11,600.00	
397 - Miscellaneous Equipment				
397.7	Misc. Equip. - General Plant	14	2,000.00	

GRAND TOTAL ORIGINAL COST = $ 12,898,486.94

Check **$ 12,898,486.94**

(1) See Reference Tables for project cost break down and corresponding account numbers per pay item.

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
353.4	**Land & ROW - Treatment Plant**					
353.4	Parcel 01-001-0100.002	1930	1	EA		
353.4	Parcel 01-001-0100.003	1930	1	EA		
353.4	Parcel 01-001-0100.004 - DBV 865, pg 279	1964	1	EA	$ 10,800.00	
353.4	Parcel 01-001-0100.001- DBV 1005, pg 137	1973	1	EA	$ 26,100.00	
353.4	Parcel 01-001-0100.007- DBV 1005, pg 137	1973	1	EA		
353.4	Parcel 01-001-0111.000 - DBV 1005, pg 137	1973	1	EA		
353.4	Parcel 01-002-0100.001 - DBV 1005, pg 137	1973	1	EA		
353.4	Parcel 01-002-0101.000 - DBV 1005, pg 137	1973	1	EA		
				SUBTOTAL	**$ 36,900.00**	
			Subtotal	**Used**		
354.4	**Structures & Imp. - WWTP**					
354.4	Architect's plans and specifications	1974	1	LS	$ 150,878.66	
354.4	Legal	1974	1	LS	$ 10,000.00	
354.4	Adminstration	1974	1	LS	$ 3,000.00	
354.4	Indirect Costs	1974	1	LS	$ 8,000.00	
354.4	Site	1974	1	LS	$ 25,000.00	
354.4	Architect's plans and specifications	1996	1	LS	$ 487,083.25	
354.4	Legal	1996	1	LS	$ 26,460.48	
354.4	Permits	1996	1	LS	$ 20,500.00	
354.4	Land	1996	1	LS	$ 10,737.50	
354.4	Erosion Control	1996	1	LS	$ 5,800.00	
354.4	Landscaping/Final Grade	1996	1	LS	$ 14,600.00	
354.4	Paving/Subbase	1996	1	LS	$ 36,000.00	
354.4	Ongrade Slab/Sidewalk	1996	1	LS	$ 17,800.00	
354.4	Fences	1996	1	LS	$ 11,600.00	
354.4	Main Equipment Building Original Remaining in Service-Above Grade	1964	1	LS	$ 30,586.12	$ 391,800.00
354.4	Main Equipment Building Original Remaining in Service-Below Grade	1964	1	LS	$ 36,456.65	$ 467,000.00
354.4	Power Feed Mains	1964	1	LS	$ 7,416.24	$ 95,000.00
354.4	Grit Chamber Rebuild CO#1	1996	1	LS	$ 5,791.10	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
354.4	Grit Chamber Painting CO#1	1996	1	LS	$ 1,412.82	
354.4	Replace Roof Over Existing Bldg CO#3	1996	1	LS	$ 39,768.12	
354.4	Roof Improvements CO#5	1996	1	LS	$ 20,000.00	
354.4	Ex. Primary Settling Tank Mech Mods.	1996	1	LS	$ 11,000.00	
354.4	Primary Settling Tanks 1, 2,3 original Remaining in Service	1964	1	LS	$ 32,006.91	$ 410,000.00
354.4	Ex. Primary Settling Tank General Mods.	1996	1	LS	$ 20,000.00	
354.4	Electrical - Primary Settling Tanks	1996	1	LS	$ 5,020.00	
354.4	Ex Prim Eff Pump Station Gratings/Supports	1996	1	LS	$ 6,000.00	
354.4	Ex Pump Stations Grating & Supports	1996	1	LS	$ 1,000.00	
354.4	Expansion of existing Secondary Pump Station wetwell	2010	1	LS	$ 146,773.41	$ 200,000.00
354.4	Oxidation Tower 1 - Remaining in Service	1996	1	LS	$ 136,300.00	
354.4	Oxidation Tower 1 - Modification/EPDM	1996	1	LS	$ 12,095.00	
354.4	Oxidation Tower 1 -Brick/Mortar Work	1996	1	LS	$ 4,800.00	
354.4	Ex Ox Tower Stairs/Railings	1996	1	LS	$ 14,200.00	
354.4	Oxidation Tower 2 - Excavate	1996	1	LS	$ 5,600.00	
354.4	Oxidation Tower 2 - Reinforce Steel	1996	1	LS	$ 26,900.00	
354.4	Oxidation Tower 2 - Pipe Encase & Fottomg	1996	1	LS	$ 8,200.00	
354.4	Oxidation Tower 2 - Trough Pour	1996	1	LS	$ 7,600.00	
354.4	Oxidation Tower 2 - Sub-base	1996	1	LS	$ 6,300.00	
354.4	Oxidation Tower 2 - Base slab	1996	1	LS	$ 41,100.00	
354.4	Oxidation Tower 2 - Ring Wall	1996	1	LS	$ 16,600.00	
354.4	Oxidation Tower 2 - Beams	1996	1	LS	$ 12,600.00	
354.4	Oxidation Tower 2 - Vent Walls	1996	1	LS	$ 5,200.00	
354.4	Oxidation Tower 2 - Grout	1996	1	LS	$ 1,600.00	
354.4	Oxidation Tower 2 - Anchor bolts/Tank Plate	1996	1	LS	$ 4,600.00	
354.4	Oxidation Tower 2 - Stair System Piers/Excavate/Reinforce/Pour	1996	1	LS	$ 8,400.00	
354.4	New Ox Tower#2 Grating/frames/ Stairs/Railings	1996	1	LS	$ 17,500.00	
354.4	Ladders Ox Tower CO#3	1996	1	LS	$ 1,741.30	
354.4	Electrical - Oxidation Towers 1 and 2	1996	1	LS	$ 3,220.00	
354.4	Recirculation/Distribution Structure	1996	1	LS	$ 19,000.00	
354.4	Manhole "A"	1996	1	LS	$ 3,700.00	
354.4	Recirc/Dist STR. Grating & Supports	1996	1	LS	$ 4,800.00	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
354.4	Fin. Settling Tanks - Excavate	1996	1	LS	$ 9,600.00	
354.4	Fin. Settling Tanks - Gravel Base	1996	1	LS	$ 5,600.00	
354.4	Fin. Settling Tanks - Slab Reinforcement	1996	1	LS	$ 21,000.00	
354.4	Fin. Settling Tanks - Slab Form & Pour	1996	1	LS	$ 62,600.00	
354.4	Fin. Settling Tanks - Hoppers/Reinforcement	1996	1	LS	$ 13,000.00	
354.4	Fin. Settling Tanks - Hoppers/Form & Pour	1996	1	LS	$ 21,600.00	
354.4	Fin. Settling Tanks - Walls/Reinforcement	1996	1	LS	$ 24,000.00	
354.4	Fin. Settling Tanks - Walls/Form & Pour	1996	1	LS	$ 74,000.00	
354.4	Fin. Settling Tanks - Grout	1996	1	LS	$ 9,600.00	
354.4	Fin. Settling Tanks - Walkways/Form & Pour Embedded Items	1996	1	LS	$ 13,600.00	
354.4	Fin. Settling Tanks - Embedded Items	1996	1	LS	$ 3,600.00	
354.4	Fin. Settling Tanks - Offsite Dirt Handling - All	1996	1	LS	$ 22,000.00	
354.4	Final Sed Tanks-Grating/ Frames/Stairs/Railings	1996	1	LS	$ 34,000.00	
354.4	Ground Stabilization at Final Tanks CO#1	1996	1	LS	$ 10,343.30	
354.4	Electrical - Final Settling Tanks	1996	1	LS	$ 9,551.00	
354.4	Electrical - Settling Tank Lighting	1996	1	LS	$ 8,611.00	
354.4	Utility Water from Chlorine Tanks to Belt Press Bldg.	1996	1	LS	$ 13,400.00	
354.4	Electrical - Sampler	1996	1	LS	$ 9,465.00	
354.4	Grit Washer/ScumConcentrator/Stairs,Platforms, Railing	1996	1	LS	$ 4,200.00	
354.4	Electrical - Grit Washer	1996	1	LS	$ 2,265.00	
354.4	Aerated Sludge Holding Tank - Excavation	1996	1	LS	$ 17,600.00	
354.4	Aerated Sludge Holding Tank - Gravel Base	1996	1	LS	$ 9,900.00	
354.4	Aerated Sludge Holding Tank - Slab Reinforcement	1996	1	LS	$ 39,000.00	
354.4	Aerated Sludge Holding Tank - Slab Form & Pour	1996	1	LS	$ 49,600.00	
354.4	Aerated Sludge Holding Tank - Wall Reinforcement	1996	1	LS	$ 31,000.00	
354.4	Aerated Sludge Holding Tank - Wall Form & Pour	1996	1	LS	$ 77,000.00	
354.4	Aerated Sludge Holding Tank - Footer Drainage	1996	1	LS	$ 6,000.00	
354.4	Aerated Sludge Holding Tank - Grout	1996	1	LS	$ 11,000.00	
354.4	Thickened Sludge/Belt Press - Reinforcement	1996	1	LS	$ 12,900.00	
354.4	Thickened Sludge/Belt Press - Form & Pour	1996	1	LS	$ 36,800.00	
354.4	Thickened Sludge/Belt Press - Slab on Decking	1996	1	LS	$ 12,600.00	
354.4	Thickened Sludge/Belt Press - Excavation	1996	1	LS	$ 6,800.00	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
354.4	Thickened Sludge/Belt Press - Gravel Base	1996	1	LS	$ 2,800.00	
354.4	Thickened Sludge/Belt Press - Slab Reinforcement	1996	1	LS	$ 18,000.00	
354.4	Thickened Sludge/Belt Press - Form & Pour	1996	1	LS	$ 38,600.00	
354.4	Thickened Sludge/Belt Press - Sump/Reinforce/Pour	1996	1	LS	$ 3,100.00	
354.4	Thickened Sludge/Belt Press - Wall Reinforcement	1996	1	LS	$ 12,900.00	
354.4	Thickened Sludge/Belt Press - Wall Form & Pour	1996	1	LS	$ 22,000.00	
354.4	Anerobic Digesters 1 & 2 Original Remaining in Service	1936-1938	1	LS	$ 5,648.47	$ 300,105.00
354.4	Remove Sludge from Digestor #2 CO#3	1996	1	LS	$ 29,447.05	
354.4	Add Clean/Patch/Paint Interior Wall s of Digestor #2 CO#3	1996	1	LS	$ 7,746.40	
354.4	Sludge Drying Bed (one) Remaining in Service	1936-1938	1	LS	$ 2,823.25	$ 150,000.00
354.4	Digester Control Building Remaining in Service	1936-1938	1	LS	$ 2,992.64	$ 159,000.00
354.4	Belt Press Bldg - Doors & Windows	1996	1	LS	$ 21,265.00	
354.4	Belt Press Bldg- Access Hatch	1996	1	LS	$ 4,600.00	
354.4	Belt Press Bldg - Ceiling	1996	1	LS	$ 2,600.00	
354.4	Belt Press Bldg - HVAC & Gas Lines	1996	1	LS	$ 26,300.00	
354.4	Belt Press Bldg - Roof/Flr Drains and Plumbing	1996	1	LS	$ 19,400.00	
354.4	Belt Prss Bldg - Carpet Paint/Finishers	1996	1	LS	$ 12,000.00	
354.4	Belt Press Bldg - pipe encasement	1996	1	LS	$ 5,800.00	
354.4	Belt Press Bldg - Roof/Flash	1996	1	LS	$ 34,000.00	
354.4	Belt Press Bldg - Concrete Masonry Unit	1996	1	LS	$ 48,000.00	
354.4	Belt Press Bldg - Insulation	1996	1	LS	$ 4,000.00	
354.4	Belt Filter Press Bldg- Walkways/Railings/Support	1996	1	LS	$ 79,000.00	
354.4	Electrical - Belt Filter Press	1996	1	LS	$ 15,220.00	
354.4	Utility Water Booster System	1996	1	LS	$ 57,800.00	
354.4	Electrical - BFP/Garge, Misc.	1996	1	LS	$ 12,658.00	
354.4	Laboratory/Garage - Excavate & Pour	1996	1	LS	$ 6,600.00	
354.4	Laboratory/Garage - Slab Complete	1996	1	LS	$ 13,600.00	
354.4	Electrical - Lab Office	1996	1	LS	$ 4,177.00	
354.4	Electrical - Garage	1996	1	LS	$ 4,177.00	
354.4	Painting	1996	1	LS	$ 94,600.00	
354.4	Electrical Lighting	1996	1	LS	$ 7,703.00	
354.4	Electrical - Entrance Area Lighting	1996	1	LS	$ 6,931.00	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
354.4	Road Between Existing Bldg & Primary Tanks CO#3	1996	1	LS	$ 2,384.32	
354.4	Replace Existing Handrail CO#3	1996	1	LS	$ 36,563.98	
354.4	Additional Fence CO#5	1996	1	LS	$ 24,926.85	
354.4	Electrical - Panel MCP	1996	1	LS	$ 66,306.00	
354.4	Electrical - Blowers	1996	1	LS	$ 2,975.00	
354.4	Electrical - Breaker Panels - 2	1996	1	LS	$ 4,175.00	
354.4	Electrical - Transformers	1996	1	LS	$ 1,555.00	
354.4	Electrical - Panel DP-2	1996	1	LS	$ 66,306.00	
354.4	Electrical - Square D Breakers - 2	1996	1	LS	$ 3,998.00	
354.4	Electrical - Main Pump Building Misc.	1996	1	LS	$ 12,058.00	
354.4	Electrical - Panel DP-1	1996	1	LS	$ 66,306.00	
354.4	Electrical - Westinghouse Breaker	1996	1	LS	$ 1,999.00	
354.4	Electrical - Duct Banks	1996	1	LS	$ 11,369.00	
354.4	Electrical - ESP System	1996	1	LS	$ 24,710.00	
354.4	Electrical - Interlink RTU	1996	1	LS	$ 11,097.00	
354.4	Electrical Secondary Pump Station Power Feed Mains	2020	1	LS	$ 69,810.20	$ 73,000.00
354.4	Secondary Pump Station, Garage, Oxidation Tower, Final Settling Tanks 1 & 2 and Chlorine Contact Tanks 1 & 2 original to remain in service	1974	1	LS	$ 874,793.45	
354.4	Three-Bay Metal Vehicle and Equipment Storgae Building with Interior Office Space	2010	1	LS	$ 376,657.27	$ 513,250.00
			Subtotal	**SUBTOTAL**	**$ 4,519,461.75**	
355.4	**Power Gen. Equip. - WWTP**					
355.4	Electrical - Generator	1996	1	LS	$ 87,502.00	
			Subtotal	**SUBTOTAL**	**$ 87,502.00**	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
371.3	**Pumping Equip. - WWTP**					
371.3	Mission - Grit Pump	1996	1	EA	$ 10,700.00	
371.3	Electrical - Grit Pump	1996	1	LS	$ 1,910.00	
371.3	Flygt Model CT3300 Centrifugal Primary Effluent Pumps	1996	4	EA	$ 88,000.00	
371.3	Ex. Primary Eff. Pump Mods/Control Valve/Mtrs	1996	1	LS	$ 14,100.00	
371.3	Electrical - Primary Pumps	1996	1	LS	$ 7,641.00	
371.3	Install Sewage Sump Simplex system	1996	1	LS	$ 12,400.00	
371.3	Install Sewage Sump Duplex system Zoeller Model #282	1996	1	LS	$ 18,900.00	
371.3	Electrical - Sump Pumps	1996	1	LS	$ 1,430.00	
371.3	Digester Recirculation Pumps	1996	2	EA	$ 27,000.00	
371.3	Moyno Progressive Cavity Pump, 2000 Series, Model 1G090G1CDQAAA, #AS4702896A, 200GPM, 25', 235RPM, Single Stage, 8 X 8, 7.5HP AC Totally Enclosed Fan Cooled Motor, 1200RPM, Extreme Duty, Unit Base Steel, Complete with piping, connections, wiring and controls.	2020	1	LS	$ 6,694.13	$ 7,000.00
371.3	PIONEER Self-Priming Pump, Model SBHCP3F-0036DD, #2462, 4 X 4, 3HP with wiring, conrols, piping and connections	2020	1	LS	$ 2,868.91	$ 3,000.00
371.3	Yale 2-ton capacity spur geared chain hoist with 4 wheel trolley and rail	2020	1	LS	$ 860.67	$ 900.00
371.3	Moyno Progressive Cavity Primary Sludge Pumps, Model #IHII5GI, 15 HP	1996	2	EA	$ 32,000.00	
371.3	Electrical - Primary Sludge Pumps	1996	1	LS	$ 3,820.00	
371.3	Mission - 4" x 3" x 13" Secondary Sludge Pumps	1996	2	EA	$ 30,300.00	
371.3	Electrical - Secondary Pumps	1996	1	LS	$ 3,820.00	
371.3	Moyno Model #IHII5GICDQAAA - Gravity Belt Thickener Pumps	1996	2	EA	$ 15,600.00	
371.3	Moyno Model IG065GICDQAAA Thickened Sludge Pumps	1996	2	EA	$ 29,100.00	
371.3	Electrical - Sludge Pumps (4)	1996	1	LS	$ 11,902.00	
371.3	Monorail Crane With coffing electric chain hoist and crane rail	2020	1	LS	$ 1,912.61	$ 2,000.00
371.3	Monorail Crane, 2 ton capacity with Little Mule 2 Ton Capacity Electric Chain Hoist, 4 wheel trolley & 6' tank lift beam	2020	1	LS	$ 2,677.65	$ 2,800.00
371.3	Wright Safeway 2 Ton Capacity Spur Geared Chain Hoist on 4 Wheel Trolley, complete with Rail and Yale Electric Chain Hoist.	2020	1	LS	$ 3,251.43	$ 3,400.00
371.3	Flygt Submersible Sewage Pump, Model 3201.180-131011, 3201.180-0380	2020	1	LS	$ 23,907.60	$ 25,000.00
			Subtotal	**SUBTOTAL**	**$ 350,796.01**	
371.3	**Raw Sewage Pump Station**					

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
371.3	Flygt dry pit submersible pumps - Raw	1996	4	EA	$ 112,400.00	
371.3	Concrete Pump Supports Raw Sewage and Prime Sludge Pump	1996	1	LS	$ 3,900.00	
371.3	Core holes and install water seal for pumps	1996	1	LS	$ 3,600.00	
371.3	Chain Hoist filler Plates	1996	1	LS	$ 3,200.00	
371.3	Electrical - Pump Station Misc.	1996	1	LS	$ 12,058.00	
371.3	Electrical - Raw Sewage Pumps	1996	1	LS	$ 7,641.00	
			Subtotal	**SUBTOTAL**	**$ 142,799.00**	
380.4	**Treatment & Disp. - WWTP**					
380.4	**Preliminary Treatment Building**					
380.4	Fine Screen #1 Remaining in Service	1964	1	EA	$ 42,311.58	$ 542,000.00
380.4	Fine Screen #2 Remaining in Service	1964	1	EA	$ 42,311.58	$ 542,000.00
380.4	Install Self Cleaning Wiese-Flo Mechanical Bar Screen & Compactor	1996	1	LS	$ 56,000.00	
380.4	Install Auxiliary Auger for Bar Screen CO#3	1996	1	LS	$ 41,342.37	
380.4	Install Grit Chamber Equipment	1996	1	LS	$ 36,000.00	
380.4	Worthington Air Compressor	2020	1	LS	$ 430.34	$ 450.00
380.4	Manning Sampler, Model 6901-DC, #980213AA690102 with refrigerated cabinet base	2020	1	LS	$ 1,147.56	$ 1,200.00
380.4	Chlorine Gas Monitoring System - Siemens W&T Acute 35 with wiring and controls	2020	1	LS	$ 3,442.69	$ 3,600.00
380.4	Chlorination System - 2 chlorinators/regulators, 1-Halogen Valve System, 2 - Chlorinators and wiring and controls	2020	1	LS	$ 6,694.13	$ 7,000.00
380.4	Exhaust Fan, Thru-Wall, 1/3 HP complete with conduit and wiring	2020	1	LS	$ 143.45	$ 150.00
380.4	ROOTS Connerville Blower, Type FF-Size 610	2020	1	LS	$ 1,434.46	$ 1,500.00
380.4	**Primary Settling Tanks 1,2 & 3**		3	EA		
380.4	Install Weir/Troughs Ex Prim	1996	1	LS	$ 36,500.00	
380.4	**Oxidation Towers 1**					
380.4	Install Media EX tower	1974	1	LS	$ 155,974.50	
380.4	Rotary Distributors	1974	1	LS	$ 23,907.00	
380.4	Install Oxidation Tower Recycle Control Valve	1974	1	LS	$ 2,875.44	$ 17,067.49

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
380.4	**Oxidation Towers 2**					
380.4	Install Syn Media New Tower	1996	1	LS	$ 205,000.00	
380.4	Rotary Distributors	1996	1	LS	$ 65,400.00	
380.4	Install Oxidation Tower Recycle Control Valve	1996	1	LS	$ 8,000.00	
380.4	**Final Settling Tanks 1 and 2**					
380.4	Equipment for Final Settling Tanks 1 & 2	1974	1	LS	$ 92,435.00	
380.4	**Final Settling Tanks 3, 4 &5**					
380.4	Install Fiberglass Troughs/Weirs	1996	1	LS	$ 36,500.00	
380.4	Install Elec and Manual Telescoping Valves	1996	1	LS	$ 18,000.00	
380.4	Sluice Gates	1996	1	LS	$ 19,000.00	
380.4	Install Collectors Final Clarifiers piping	1996	1	LS	$ 120,000.00	
380.4	**Chlorine Contact Tanks 1 & 2 Remaining in Service**		2	EA		
380.4	1-ton cylinder/scale - Remaining in Service	1996	1	EA	$ 1,640.55	$ 3,500.00
380.4	150# cylinders and scale - Remaining in Service	1996	4	EA	$ 1,171.82	$ 2,500.00
380.4	**Anaerobic Digesters 1&2**		2	EA		
380.4	Install Digester Meters	1996	1	LS	$ 11,000.00	
380.4	Install Comp Heater & Heat Exchanger (Envirex)	1996	1	LS	$ 76,000.00	
380.4	Duo Deck Conversion	1996	1	LS	$ 110,000.00	
380.4	Install Digester Mixer	1996	1	LS	$ 48,000.00	
380.4	Polytron 2XP Digital Meter	1996	1	LS	$ 117.18	$ 250.00
380.4	Polysonic Hydra SX40 DFD Flowmeter, Digital Readout	1996	1	LS	$ 1,218.69	$ 2,600.00
380.4	Siemens Hydra Ranger 200 Flow meter, Digital Readout	1996	1	LS	$ 890.58	$ 1,900.00
380.4	Maxus Air Compressor, Model EX840100AJ, #10/16/06-00340, 3.2 HP, 60 Gallon Capacity Vertical Tank With Wiring and Controls	1996	1	LS	$ 257.80	$ 550.00
380.4	**Sludge Holding Tank**					
380.4	Sludge Holding Tank aeration system	1996	1	LS	$ 28,500.00	
380.4	Install Blower System	1996	1	LS	$ 33,600.00	
380.4	**Belt Filter Press Building**					
380.4	1.2 meter Roediger Belt Filter Press	1996	1	LS	$ 165,000.00	
380.4	Install Belt Filter Press Conveyors	1996	1	LS	$ 67,000.00	
380.4	Kent Taylor Mag Master Flow Meter, Digital Readout	1996			$ 374.98	$ 800.00
380.4	Install Polymer Feed & Chlorination Equipment	1996	1	LS	$ 63,800.00	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
380.4	Floor Drains - Grit Washer	1996	1	LS	$ 1,500.00	
380.4	Install Scum & Grease Floatation/Removal System	1996	1	LS	$ 47,600.00	
380.4	Install Grit Separation Classification System	1996	1	LS	$ 52,000.00	
380.4	Install Sewage Sump Simplex system	1996	1	LS	$ 12,400.00	
380.4	Install Sewage Sump Duplex system	1996	1	LS	$ 18,900.00	
380.4	Install Trickling Filter Tank	1996	1	LS	$ 89,000.00	
380.4	Install submersible Mixer	1996	1	LS	$ 20,000.00	
380.4	Install Odor Control Scrubber System	1996	1	LS	$ 28,500.00	
380.4	Scrubber at Sludge Storage Tank	1996	1	LS	$ 2,600.00	
380.4	Exhaust Hood CO#5	1996	1	LS	$ 1,843.84	
380.4	PFT Gas Burner	1996	1	EA	$ 1,124.95	$ 2,400.00
380.4	Equipment for Secondary Pumping Station	1974	1	LS	$ 29,910.00	
			Subtotal	**SUBTOTAL**	**$ 1,928,800.48**	
381.4	**Plant Sewers - WWTP**					
381.4	6" Thickened Sludge Line	1996	1	LS	$ 1,400.00	
381.4	24" DIP Oxidation Tower 2 FM	1996	1	LS	$ 33,500.00	
381.4	24" & 30" DIP Oxidation Tower Effluent	1996	1	LS	$ 37,100.00	
381.4	16" DIP Oxidation Tower Recirculation	1996	1	LS	$ 11,000.00	
381.4	24" DIP Overflow	1996	1	LS	$ 9,700.00	
381.4	24" DIP Final Sed. Tank 3,4&5 Effluent	1996	1	LS	$ 4,300.00	
381.4	30" DIP Final Sed. Tank Effluent	1996	1	LS	$ 26,000.00	
381.4	6" Scum Drain/Final Settling Tanks	1996	1	LS	$ 1,300.00	
381.4	6" DIP Primary Sludge to Sludge Holding Tank	1996	1	LS	$ 5,200.00	
381.4	6" DIP Primary Sludge from aerated S1 to digesters	1996	1	LS	$ 7,700.00	
381.4	6" DIP Primary Sludge Well Decant	1996	1	LS	$ 1,900.00	
381.4	6" DIP Primary Sludge Pump Suction	1996	1	LS	$ 2,600.00	
381.4	6" DIP Primary Sludge pump Discharge	1996	1	LS	$ 4,200.00	
381.4	6" DIP Secondary Sludge Discharge	1996	1	LS	$ 6,300.00	
381.4	8" DIP Secondary Sludge Suction	1996	1	LS	$ 8,300.00	
381.4	Ex. 8" DIP Tank Drain	1996	1	LS	$ 9,000.00	
381.4	8" DIP Tank Drain	1996	1	LS	$ 11,100.00	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
381.4	6" & 4" DIP Oxidation Tower FM drain	1996	1	LS	$ 3,400.00	
381.4	4" DIP Grit Slurry Discharge	1996	1	LS	$ 1,900.00	
381.4	8" DIP Utility Water Service	1996	1	LS	$ 3,300.00	
381.4	Scum Concentrator/Grit Washer Drains	1996	1	LS	$ 4,750.00	
381.4	Scum Concentrator frm existing line	1996	1	LS	$ 2,106.00	
381.4	8" PVC Storm Sewer	1996	1	LS	$ 4,400.00	
381.4	6" PVC Storm Sewer	1996	1	LS	$ 2,700.00	
381.4	4" , 3", 2" PVC Utility Water	1996	1	LS	$ 8,600.00	
381.4	2" PVC Potable Water	1996	1	LS	$ 1,500.00	
381.4	Scum Drain to Final Tank Drain	1996	1	LS	$ 2,000.00	
381.4	Belt Filter Press Feed Pump Suction	1996	1	LS	$ 7,700.00	
381.4	Belt Filter Press Feed Discharge	1996	1	LS	$ 6,000.00	
381.4	Belt Filter Press Filtrate	1996	1	LS	$ 3,100.00	
381.4	Thickened Sludge Pump suction	1996	1	LS	$ 1,450.00	
381.4	Drain, 6" DIP Primary Sludge tank drain & 10" DIP drain	1996	1	LS	$ 9,500.00	
381.4	Digester Sludge frm Ex to Belt Press Pumps	1996	1	LS	$ 3,700.00	
381.4	Grit Pump Suction/Discharge	1996	1	LS	$ 2,800.00	
381.4	Grit Washer Overflow	1996	1	LS	$ 1,600.00	
381.4	Scum Conc. Influent	1996	1	LS	$ 1,400.00	
381.4	Scum Conc. Drain	1996	1	LS	$ 1,200.00	
381.4	Scum Conc. Effluent	1996	1	LS	$ 1,200.00	
381.4	Replacement Drain	1996	1	LS	$ 1,600.00	
381.4	Secondary Sludge to Sludge Holding Tank	1996	1	LS	$ 2,200.00	
381.4	Primary Effluent Pump Suction	1996	1	LS	$ 9,100.00	
381.4	Primary Effluent Pump Discharge	1996	1	LS	$ 16,000.00	
381.4	Manhole A	1996	1	LS	$ 3,300.00	
381.4	Sludge Recirc Pumps Suction	1996	1	LS	$ 1,800.00	
381.4	Sludge Recirc Pumps Discharge	1996	1	LS	$ 2,900.00	
381.4	Thickened/Primary Sludge (Dwg 53)	1996	1	LS	$ 1,400.00	
381.4	Aerated Sludge Blowers Intakes	1996	1	LS	$ 7,300.00	
381.4	Aerated Sludge Blowers Discharge	1996	1	LS	$ 3,600.00	
381.4	16 yard Hydrants and Gate Valves	1996	1	LS	$ 19,800.00	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
381.4	27-inch VCP Plant Infl Sewer	1974	300	LF	$ 10,108.50	$ 60,000.00
381.4	24-inch DIP Primary Sedimentation Tank Effluent	1974	92	LF	$ 3,099.94	$ 18,400.00
381.4	18-inch DIP Oxidation Tower Force Main	1974	178	LF	$ 5,997.71	$ 35,600.00
381.4	24-inch DIP Oxidation Tower Effluent	1974	20	LF	$ 673.90	$ 4,000.00
381.4	24-inch DIP Overflow	1974	26	LF	$ 876.07	$ 5,200.00
381.4	24-inch DIP Final Sedimentation Tanks Effluent	1974	20	LF	$ 673.90	$ 4,000.00
381.4	24-inch DIP Chlorine Contact Tank Effluent	1974	266	LF	$ 8,962.87	$ 53,200.00
381.4	24-inch DIP Chlorine Contact Tank Effluent Overflow	1974	30	LF	$ 1,010.85	$ 6,000.00
381.4	6-inch DIP Primary Sludge Decant	1974	25	LF	$ 631.78	$ 3,750.00
381.4	8-inch DIP Secondary Sludge Suction	1974	8	LF	$ 202.17	$ 1,200.00
381.4	8-inch DIP Scum Suction	1974	56	LF	$ 1,415.19	$ 8,400.00
381.4	8-inch DIP Tank Drain	1974	88	LF	$ 2,223.87	$ 13,200.00
381.4	4-inch DIP Force Main Drain	1974	22	LF	$ 555.97	$ 3,300.00
381.4	8-inch DIP Digested Sludge Discharge	1974	195	LF	$ 4,927.89	$ 29,250.00
381.4	6-inch DIP Scum Discharge	1974	61	LF	$ 1,541.55	$ 9,150.00
381.4	2.5-inch PVC Chlorine Solution Discharge	1974	114	LF	$ 1,920.61	$ 11,400.00
381.4	10-inch DIP Sewer from Digester Building and Drying Beds	1936-1938	29	LF	$ 81.87	$ 4,350.00
381.4	8-inch DIP Sewer from Digester Building and Drying Beds	1936-1938	51	LF	$ 143.99	$ 7,650.00
381.4	8-inch DIP Digester Supernatant Drain	1936-1938	5	LF	$ 14.12	$ 750.00
381.4	4-inch DIP Sanitary Drain	1936-1938	7	LF	$ 19.76	$ 1,050.00
381.4	8-inch DIP Sludge Drying Bed Drain	1936-1938	73	LF	$ 206.10	$ 10,950.00
381.4	8-inch DIP Potable Water Main	1974	107	LF	$ 2,704.02	$ 16,050.00
381.4	6-inch Potable Water Main	1974	262	LF	$ 6,621.07	$ 39,300.00
381.4	4-inch Potable Water Main to Main Equipment Building	1974	110	LF	$ 2,779.84	$ 16,500.00
381.4	4-inch Potable Water Main to Primary Effluent Pump Station	1974	301	LF	$ 7,606.65	$ 45,150.00
381.4	24-inch DIP Plant Bypass	1974	45	LF	$ 1,516.27	$ 9,000.00
381.4	24-inch Primary Tank Bypass	1974	26	LF	$ 876.07	$ 5,200.00
381.4	24-inch Abandoned Plant Effluent	1974	19	LF	$ 640.20	$ 3,800.00
381.4	24-inch DIP Plant/Primary Tank Bypass	1974	67	LF	$ 2,257.56	$ 13,400.00
381.4	24-inch Storm Sewer Line	1974	42	LF	$ 1,238.29	$ 7,350.00
381.4	18-inch Storm Sewer Line	1974	18	LF	$ 454.88	$ 2,700.00
381.4	8-inch Storm Sewer Line	1974	25	LF	$ 421.19	$ 2,500.00

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
381.4	**Plug Valves**					
381.4	Raw Sewage Pump Suction	1996	1	LS	$ 4,500.00	
381.4	Raw Pump Sewage Discharge	1996	1	LS	$ 3,500.00	
381.4	Primary Sludge Pump	1996	1	LS	$ 2,700.00	
381.4	Primary Sludge Pump Header	1996	1	LS	$ 1,500.00	
381.4	Primary Sludge Pump Drain	1996	1	LS	$ 2,200.00	
381.4	Primary Sludge Pump Holding Tank	1996	1	LS	$ 2,400.00	
381.4	Primary/Secondary Sludge Connection	1996	1	LS	$ 1,700.00	
381.4	Grit Pump (6")	1996	1	LS	$ 1,500.00	
381.4	Grit Pump (3")	1996	1	LS	$ 1,200.00	
381.4	Scum/Ex Concentrator Feed	1996	1	LS	$ 2,800.00	
381.4	Scum/Drain	1996	1	LS	$ 1,600.00	
381.4	Scum Cone/Influent	1996	1	LS	$ 1,500.00	
381.4	Scum Cone/Drain	1996	1	LS	$ 1,200.00	
381.4	Secondary Sludge Pump	1996	1	LS	$ 2,800.00	
381.4	Secondary Sludge/Header	1996	1	LS	$ 1,600.00	
381.4	Secondary Sludge/Line	1996	1	LS	$ 2,200.00	
381.4	Effluent Pump/Suction	1996	1	LS	$ 12,000.00	
381.4	Effluent Pump/Discharge	1996	1	LS	$ 8,000.00	
381.4	Oxidation Twr Force Mn	1996	1	LS	$ 9,000.00	
381.4	Ox Twr Force Main Drain	1996	1	LS	$ 2,200.00	
381.4	Final Tank Drain-off	1996	1	LS	$ 8,500.00	
381.4	Utility Water	1996	1	LS	$ 1,500.00	
381.4	Belt Press Pumps	1996	1	LS	$ 3,700.00	
381.4	Belt Press Feed Header	1996	1	LS	$ 2,600.00	
381.4	Heat Exchanger Sludge Recirc	1996	1	LS	$ 3,500.00	
381.4	Overflow Supernatent at Digester	1996	1	LS	$ 12,000.00	
381.4	Digested Sludge (8")	1996	1	LS	$ 2,100.00	
381.4	Digested Sludge (6")	1996	1	LS	$ 1,800.00	
381.4	Pumping Station: 14-inch DIP eccentric plug valve	1974	1	EA	$ 842.37	$ 5,000.00
381.4	**Check Valves**					
381.4	Raw Sewage Pump Discharge	1996	1	LS	$ 4,700.00	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
381.4	Primary Sludge Pump Discharge	1996	1	LS	$ 2,300.00	
381.4	Secondary Sludge Pumps	1996	1	LS	$ 2,300.00	
381.4	Primary Effluent Pumps	1996	1	LS	$ 12,000.00	
381.4	Belt Press Pumps	1996	1	LS	$ 2,300.00	
381.4	Thickened Sludge Pumps	1996	1	LS	$ 2,300.00	
381.4	Recirculated Pumps	1996	1	LS	$ 1,900.00	
381.4	Air Cushioned Check Valves	1974	1	LS	$ 2,228.00	
381.4	**Air Check Valves**					
381.4	Blower Discharges	1996	1	LS	$ 2,500.00	
381.4	**Mud Valves**					
381.4	Final Tank Scum Box	1996	1	LS	$ 2,000.00	
381.4	Chlorine Tank Drains	1996	1	LS	$ 3,500.00	
381.4	Utility Water	1996	1	LS	$ 2,000.00	
381.4	Aeration Sludge Hldg Tank	1996	1	LS	$ 4,500.00	
381.4	**Butterfly Valves**					
381.4	Ox Twr Recycle Line	1996	1	LS	$ 6,200.00	
381.4	**Hydrostatic PRV's**					
381.4	Final Tanks	1996	1	LS	$ 2,800.00	
381.4	**Gate Valves**					
381.4	Final Tank Drains	1996	1	LS	$ 3,300.00	
381.4	Sludge Drain-Off From Final Tanks	1996	1	LS	$ 4,200.00	
	Pumping Station- Gate Valve	1974	1	EA	$ 842.37	$ 5,000.00
381.4	**Butterfly Air Line Valves**					
381.4	Blower Intakes	1996	1	LS	$ 2,100.00	
381.4	Blower Discharge	1996	1	LS	$ 1,400.00	
381.4	Air Header at Sludge Tank	1996	1	LS	$ 1,500.00	
381.4	Reinsulate pipe at Digester Control Bldg CO#1	1996	1	LS	$ 4,092.50	
381.4	Gas Line CO#2	1996	1	LS	$ 6,367.59	
381.4	Water Line CO#2	1996	1	LS	$ 5,827.66	
381.4	Decant Line CO#2	1996	1	LS	$ 1,940.27	
381.4	Replace 24" Pipe From Primary Tanks CO#3	1996	1	LS	$ 11,429.52	
381.4	Piping to Provide Water for Mech Screen CO#3	1996	1	LS	$ 9,544.15	

TABLE 1 - WASTEWATER TREATMENT PLANT

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
381.4	Sampler Valves CO#5	1996	1	LS	$ 8,933.43	
381.4	Pumping Station: 20-inch DIP	1974	11	LF	$ 148.26	$ 880.00
381.4	Pumping Station: 18-inch C.I.	1974	3	LF	$ 37.91	$ 225.00
381.4	Pumping Station: 14-inch DIP	1974	2	LF	$ 23.59	$ 140.00
381.4	Control Building: 4-inch sludge feed line	1974	1	LF	$ 8.42	$ 50.00
381.4	Primary Sedimentation Tank: 2.5-inch chlorine feed line	1974	67	LF	$ 282.20	$ 1,675.00
381.4	Chlorine Contact Tank: 8-inch DIP drain	1974	18	LF	$ 303.25	$ 1,800.00
381.4	Secondary Pump Station Process Piping, Chlorine Tanks, Final Settling Tanks 1 & 2, Oxidation Tower No. 1 Exterior Piping	1974	1	LS	$ 71,673.00	
381.4	Sluice Gates	1974	1	LS	$ 21,995.00	
381.4	Misc. Sewage Treatment Plant Equipment	1974	1	LS	$ 13,335.00	
			Subtotal	**SUBTOTAL**	**$ 721,765.15**	
382.4	**Outfall Sewer Lines - WWTP**					
382.4	24-inch DIP	1936-38	827	LF	$ 70,212.80	$ 149,794.51
			Subtotal	**SUBTOTAL**	**$ 70,212.80**	
389.4	**Other Plant & Misc. Equip. - WWTP**					
389.4	Asbestos Abatement	1996	1	LS	$ 12,490.27	
389.4	Asbestos Abatement	2021	1	LS	$ 15,000.00	
			Subtotal	**SUBTOTAL**	**$ 27,490.27**	

Column Total = Column Totals = $ 7,885,727.46

TABLE 2 - PUMPING STATION

NARUC Account	Description	Year	Quantity	Unit	Unit Price	Original Cost	Replacement Value Today
353.3	**Land & ROW**						
353.3	Land & ROW - Pumping Station		1	EA	$ 1.00	$ 1.00	
354.3	**Structures & Imp. - Pumping Station**						
354.3	Trash Basket and Hoist Assembly	2006	1	LS	$ 6,468.00	$ 6,468.00	
354.3	12-inch Drain in front of PS	2006	1	LS	$ 6,125.00	$ 6,125.00	
354.3	Pump Station Pit Conversion	2006	1	LS	$ 4,500.00	$ 4,500.00	
354.3	Sandblasting/Painting of Pump Station Wet Well	2006	1	LS	$ 18,200.00	$ 18,200.00	
354.3	16" SDR 35 PVC	2006	10	LF	$ 300.00	$ 3,000.00	
354.3	16" SDR 35 PVC 45° elbow	2006	1	EA	$ 650.00	$ 650.00	
354.3	1" Copper Tube	2006	100	LF	$ 17.00	$ 1,700.00	
354.3	Water Service Connection	2006	1	LS	$ 1,000.00	$ 1,000.00	
354.3	Yard Hydrants, Lockable	2006	1	EA	$ 375.00	$ 375.00	
354.3	Natural Gas Service	2006	1	LS	$ 1,000.00	$ 1,000.00	
354.3	1-1/2 " Gas Line	2006	100	LF	$ 25.00	$ 2,500.00	
354.3	Fencing	2006	150	LF	$ 75.00	$ 11,250.00	
354.3	Site Preparation	2006	1	LS	$ 5,000.00	$ 5,000.00	
354.3	Bituminous Pavement/Driveway Restoration	2006	60	LF	$ 55.00	$ 3,300.00	
354.3	Final Seeding, grading, mulching	2006	1	LS	$ 2,500.00	$ 2,500.00	
354.3	Portable Bypass Pump System	2006	1	LS	$ 42,000.00	$ 42,000.00	
354.3	Bypass pumping	2006	60	Days	$ 325.00	$ 19,500.00	
354.3	Erosion and Sedimentation Control	2006	1	LS	$ 4,100.00	$ 4,100.00	
				Subtotal		**$ 133,168.00**	**$ -**
355.3	**Power Gen. Equip. - Pumping Station**						
355.3	Kohler Generator 7KW with transfer switch	2020	1	EA		$ 4,972.78	$ 5,200.00
				Subtotal		**$ 4,972.78**	

TABLE 2 - PUMPING STATION

NARUC Account	Description	Year	Quantity	Unit	Unit Price	Original Cost	Replacement Value Today
371.3	**Pumping Equip. - Pumping Station**						
371.3	Gorman Rupp Package Pump Unt consisting of 2-self priming pumps, model T6A3s-B/WWS, #1355279, 15 Hp, belt dirven, backup natural gas engine, 4 cylinder with cntrols, related piping and 1 control panel model D4-11174, JPP No. GR-8103-1, #06-990-AR4	2006	1	LS		$ 221,670.00	
371.3	Electrical Service	2006	1	LS		$ 12,000.00	
371.3	Hach Sigma 950 rain gauge/controller monitor with wiring	2006	1	LS		$ 1,680.80	$ 2,600.00
371.3	Mission RTU Unit	2006	1	EA		$ 1,292.92	$ 2,000.00
371.3	Stainless Steel Davit Crane	2006	1	EA		$ 323.23	$ 500.00
				Subtotal		**$ 236,966.95**	
					Column Total =	**$375,108.73**	

TABLE 3 - Collection Sewers - Force

NARUC Account	Description	Year	Quantity	Unit	Unit Price	Original Cost	Replacement Value Today
360	8" Ductile Iron Pipe	2006	600	LF	$ 44.00	$ 26,400.00	
360	8" DIP 90 Degree Long Radius Bends	2006	2	EA	$ 500.00	$ 1,000.00	
360	8" DIP 45 Degree Bends	2006	4	EA	$ 480.00	$ 1,920.00	
360	8" DIP 22.5 Degree Bends	2006	2	EA	$ 490.00	$ 980.00	
360	8" DIP 11.25 Degree Bends	2006	2	EA	$ 490.00	$ 980.00	
360	8" DI Pipe (with mc-urethane primer)	2006	800	LF	$ 130.00	$ 104,000.00	
360	8"x 6" DIP Tee (with mc-urethane primer)	2006	1	EA	$ 1,500.00	$ 1,500.00	
360	8"x 8" Cross Fittings (with mc-urethane primer)	2006	2	EA	$ 1,750.00	$ 3,500.00	
360	Concrete Pedestals	2006	2	EA	$ 2,800.00	$ 5,600.00	
360	Manhole Connection	2006	1	EA	$ 1,000.00	$ 1,000.00	
360	Expansion Joints	2006	2	EA	$ 3,500.00	$ 7,000.00	
360	Pipe Guide Hangers	2006	150	EA	$ 175.00	$ 26,250.00	
360	Pipe Insulation Assembly	2006	40	LF	$ 50.00	$ 2,000.00	
360	Painting DIP	2006	1	LS	$ 37,000.00	$ 37,000.00	
360	Air/Vacuum Breaker Valves	2006	3	EA	$ 2,600.00	$ 7,800.00	
360	Additional Cost for Deep Bury for Force Main	2006	1	LS		$ 7,612.22	
					Column Total =	**$ 234,542.22**	

TABLE 3-FM

TABLE 4 - Collection Sewers - Gravity

NARUC Account	Description	Year	Quantity	Unit	Replacement Cost Per Unit	Original Cost	Replacement Value Today
353.2	Land & ROW: Parcel 10010100006	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 10010101000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 10020200000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 10030203000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 10030303000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20020102000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20020105000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20020713000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20020800000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030101000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030200000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030313000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030314000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030315000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030317000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030318000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030416000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030417000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030419000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20030431000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20050107000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060200000	1936-38	1	EA	$ 1.00	$ 1.00	

TABLE 4 - Collection Sewers - Gravity

NARUC Account	Description	Year	Quantity	Unit	Replacement Cost Per Unit	Original Cost	Replacement Value Today
353.2	Land & ROW: Parcel 20060300000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060301000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060302000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060303000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060305000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060600000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060700000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060702000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060902000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 20060923000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 40020600000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 40030104000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 40030109000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 40040103000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 50010100001	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 05001010000E	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 50040200000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 50040308000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 50040400000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 50040604000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 50050100002	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 50050200000	1936-38	1	EA	$ 1.00	$ 1.00	

TABLE 4 - Collection Sewers - Gravity

NARUC Account	Description	Year	Quantity	Unit	Replacement Cost Per Unit	Original Cost	Replacement Value Today
353.2	Land & ROW: Parcel 50050314000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 05006010000E	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 60020301000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 60030702000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 60050100000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 06005040000E	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 60060901000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 60061402000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 60061901000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 60070601000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 60070602000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70010202000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70010300000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70021510001	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70021510002	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70021600000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70021610000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70022000000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70022002000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70022100001	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70022101000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70022102000	1936-38	1	EA	$ 1.00	$ 1.00	

TABLE 4 - Collection Sewers - Gravity

NARUC Account	Description	Year	Quantity	Unit	Replacement Cost Per Unit	Original Cost	Replacement Value Today
353.2	Land & ROW: Parcel 70022102001	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70022102002	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70022102003	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 07002220000E	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030101000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030101001	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030103000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030105000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030108000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030112000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030115000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030123000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030124000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030125000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030126000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030137000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030138000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030250000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030251000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030252000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030253000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030254000	1936-38	1	EA	$ 1.00	$ 1.00	

TABLE 4 - Collection Sewers - Gravity

NARUC Account	Description	Year	Quantity	Unit	Replacement Cost Per Unit	Original Cost	Replacement Value Today
353.2	Land & ROW: Parcel 70030255000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030256000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030257000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030258000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030259000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030260000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030261000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70030262000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70041400000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70041900000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70042000000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70042009000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 07004230000E	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70050200000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70050201000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70050203000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70050208000	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70050209001	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70050209002	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70050209003	1936-38	1	EA	$ 1.00	$ 1.00	
353.2	Land & ROW: Parcel 70050500000	1936-38	1	EA	$ 1.00	$ 1.00	
					Subtotal	**$ 109.00**	

TABLE 4-GRAVITY

TABLE 4 - Collection Sewers - Gravity

NARUC Account	Description	Year	Quantity	Unit	Replacement Cost Per Unit	Original Cost	Replacement Value Today
361	8-inch VCP Sewer	1936-38	145,990	LF	$ 165.00	$ 453,382.71	$ 24,088,350.00
361	8-inch PVC Sewer	1990	1,800	LF	$ 165.00	$ 117,215.56	$ 297,000.00
361	8-inch PVC Sewer	1993	370	LF	$ 165.00	$ 26,528.18	$ 61,050.00
361	8-inch PVC Sewer	1998	815	LF	$ 165.00	$ 66,396.83	$ 134,475.00
361	8-inch CIP Sewer	1998	2,700	LF	$ 165.00	$ 219,964.95	$ 445,500.00
361	8-inch CIP Sewer	2008	2,100	LF	$ 165.00	$ 240,153.18	$ 346,500.00
361	8-inch CIP Sewer	2011	300	LF	$ 165.00	$ 37,445.24	$ 49,500.00
361	10-inch VCP Sewer	1936-38	4,000	LF	$ 180.00	$ 13,551.59	$ 720,000.00
361	12-inch VCP Sewer	1936-38	1,400	LF	$ 195.00	$ 5,138.31	$ 273,000.00
361	12-inch PVC Sewer	1991	4,800	LF	$ 195.00	$ 377,447.37	$ 936,000.00
361	12-inch PVC Sewer	1993	960	LF	$ 195.00	$ 81,344.40	$ 187,200.00
361	15-inch VCP Sewer	1936-38	4,200	LF	$ 225.00	$ 17,786.47	$ 945,000.00
361	15-inch PVC Sewer	1990	1,700	LF	$ 225.00	$ 150,959.43	$ 382,500.00
361	18-inch SDR 35 PVC Sewer	1996	7,700	LF		$ 638,937.00	
361	24-inch SDR 35 PVC Sewer	1996	11,607	LF		$ 1,036,038.00	
361	Brick Manholes	1936-38	536	EA	$ 5,100.00	$ 51,450.89	$ 2,733,600.00
361	Concrete Manholes	1936-38	138	EA	$ 5,100.00	$ 13,246.68	$ 703,800.00
361	Project Development	1996	1	LS		$ 257,761.25	
					Subtotal	**$ 3,804,748.05**	
			190,442		**Column Total =**	**$ 3,804,857.05**	

TABLE 4-GRAVITY

TABLE 5 - Service to Customers

NARUC Account	Description	Year	Quantity	Unit	Replacement Cost Per Unit	Original Cost	Replacement Value Today
363	6-inch Sanitary Service Laterals	1936-38	60,318	LF	$ 150.00	$ 170,292.73	$ 9,047,700.00
				Column Total =		$ 170,292.73	

TABLE 5-SERVICE LATERALS

TABLE 6 - Flow Measuring Device

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
364.3	Chart Recorder for Flow Meters (Secondary PS)	2012	1	EA	$ 2,738.00	
364.3	Healy-Ruff Co. Depthin feet indicator, #45279-1 with steel tape unit	2020	1	EA	$ 95.63	$ 100.00
364.3	Endress+Hauser Flow Rate Meter	2020	1	EA	$ 2,868.91	$ 3,000.00
364.3	Analog Level Meter with Tape	2020	1	EA	$ 95.63	$ 100.00
364.3	Seimens Sitrans LUT400 Flow Meter Digital Readout	2020	1	EA	$ 4,494.63	$ 4,700.00
364.3	Echo Flow Hunter II flow and level indicator with Transducer and Wiring	2020	1	EA	$ 2,486.39	$ 2,600.00
364.4	Electrical Flow Meter	1996	1	LS	$ 1,555.00	
364.4	Electrical Flow Meters - 2	1996	1	LS	$ 10,070.00	
364.4	Electrical Level Transmitter	1996	1	LS	$ 4,315.00	
364.4	Electrical Flow Meters - 2	1996	1	LS	$ 10,070.00	
364.4	Electrical Level Transmitter	1998	1	LS	$ 4,315.00	
364.4	Eastvale PS Flow Meters and Chart Recorder	2006	1	LS	$ 14,000.00	
				Column Total =	**$ 57,104.19**	

TABLE 7 - Office Equipment

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
390.7	Office Furniture and fixtures - workstations	2020	1	LS	$ 2,390.76	$ 2,500.00
390.7	Computers, laptops, printers, etc.	2020	1	LS	$ 4,781.52	$ 5,000.00
390.7	Miscellaneous EDP Equipment, computers, printers	2020	1	LS	$ 1,434.46	$ 1,500.00
				Column Total =	**$ 8,606.74**	

TABLE 8 - Transportation Equipment

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
391.7	Ford F250 4x4 Truck, 1,466 miles.	2020	EA	1	$ 42,707.00	
391.7	Ford F150 4x4 Truck, VIN NO. 1FTMF1EM4EKG07810, 36,779 Miles	2014	EA	1	$ 25,656.00	
391.7	Ford F350 1-ton Dump Truck YEAR 1992, VIN No. 1FDKF37GXNNA08298, 90,687Miles, Manual Transmission	1992	EA	1	$ 29,103.64	$ 70,000.00
391.7	Case Backhoe/Loader Model 580 SUPER L EXTEND-A-HOE, #JJG0195825, 5,828 Hrs, 4 X 4	1998	EA	1	$ 49,374.85	$ 100,000.00
391.7	Bobcat Skid Steer Loader, Model 553 C Series, #513012370, 864 Hrs.	1999	EA	1	$ 20,213.66	$ 40,000.00
391.7	Car Mate Trailer VIN NO. 5A3Y510S12L003959, 5 X 10, 13" Sidewalls	2002	EA	1	$ 3,217.22	$ 5,900.00
391.7	Mansfield Flatbed Trailer, VIN NO. 1M9BU142X6M620139, 6 X 10 Diamond Plate Deck, Tandem Axle	2006	EA	1	$ 4,848.45	$ 7,500.00
				Column Total =	**$ 175,120.82**	

TABLE 9 - Stores Equipment

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
392.7	Misc	1996	1	LS	$ 2,343.64	$ 5,000.00
392.7	Chlorine Scales	1996	2	LS	$ 7,030.91	$ 15,000.00
392.6	Lockers	1996	3	LS	$ 937.45	$ 2,000.00
392.8	Shelving	1996	4	LS	$ 2,343.64	$ 5,000.00
392.9	Storage bins	1996	5	LS	$ 2,343.64	$ 5,000.00
				Column Total =	**$ 14,999.28**	

TABLE 10 - Tools, Shop and Garage Equipment

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
393.7	Gorman-Rupp Trailer Mounted Pump	2020	1	EA	$ 17,213.47	$ 18,000.00
393.7	Cub Cadet Zero Turn Mower	2020	1	EA	$ 4,781.52	$ 5,000.00
393.7	Lawn Tractor, Toro Wheel Horse Model 73542, #000000111, Hydrostatic, 1071 HRS	2020	1	EA	$ 10,136.82	$ 10,600.00
393.7	Capital Equipment TP300 Industrial Trash Pump, 3", Gas 208 CC Engine	2020	1	EA	$ 1,912.61	$ 2,000.00
	Industrial Plus Industrial Trash Pump, 3", 8HP, Gas Fired	2020	1	EA	$ 1,912.61	$ 2,000.00
393.7	Drill Press DELTA ModelL 17-900, #8810	2020	1	EA	$ 1,434.46	$ 1,500.00
393.7	Miller MIG Welder, Multimatic 220	2020	1	EA	$ 2,868.91	$ 3,000.00
393.7	Lincoln Welder, Gas Fired	2020	1	EA	$ 1,147.56	$ 1,200.00
393.7	Capital Equipment PW3000 Industrial Pressure Washer	2020	1	EA	$ 956.30	$ 1,000.00
393.7	Stihl TS800 Cutoff Saw with 16-inch wheel	2020	1	EA	$ 1,625.72	$ 1,700.00
393.7	Toro CCR3650 Snow blower 6Hp	2020	1	EA	$ 1,625.72	$ 1,700.00
393.7	I-R Air Compressor, Gas Fired T10 Series	2020	1	EA	$ 669.41	$ 700.00
393.7	Capital Equipment 7500D Portable Generator, Diesel Fired, 10 Hrs	2020	1	EA	$ 2,103.87	$ 2,200.00
393.7	I-R Portable Air Compressor, Gas Fired, T10 SERIES	2020	1	EA	$ 286.89	$ 300.00
393.7	Porter Cable Portable Air Compressor, Jet Stream Series, Model CPL55GH810, 55HP Gas Engine, 8 Gallon Tank	2020	1	EA	$ 812.86	$ 850.00
393.7	BOSCH Brute Electric Demolition Jackhammer with hand truck and tooling	2020	1	EA	$ 908.49	$ 950.00
393.7	HONDA Portable Generator, 8HP, 4000 Watt	2020	1	EA	$ 1,625.72	$ 1,700.00
393.7	Ridgid KOLLMANN K1500 Sectional Sewer Cleaning Machine	2020	1	EA	$ 2,486.39	$ 2,600.00

TABLE 10 - Tools, Shop and Garage Equipment

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
393.7	WEN Construction Zone Series Plate Compactor, 212 CC Gas Engine	2020	1	EA	$ 669.41	$ 700.00
393.7	I-R Air Compressor, Model TS5, #NAR10524662, 5HP, Vertical Tank With Wiring, Control and Hose Reel	2020	1	EA	$ 1,912.61	$ 2,000.00
393.7	Shop Crane	2020	1	EA	$ 239.08	$ 250.00
393.7	VENTUR Electric Truck Bed	2020	1	EA	$ 286.89	$ 300.00
393.7	Rotary Automotive Lift, Model DP10AN100BBL, #NEP11E0057, 10,000# Capacity with Wiring and Controls	2020	1	EA	$ 3,538.33	$ 3,700.00
393.7	Western Snowplow Model ProPlow$60390, 8' with mount	2020	1	EA	$ 3,442.69	$ 3,600.00
393.7	Minor Equipment - shelves, fire ext., time clock, vacuum, floor machine, valet, spare motors, lockers, fans, etc.	2020	1	LS	$ 4,781.52	$ 5,000.00
393.7	Minor Equipment	2020	1	LS	$ 114.76	$ 120.00
393.7	Fairbanks Morse, No. 27 Platform Scale, Twin Beams, 4 x 5 Platform with Mettler Toledo Digital Readout	2020	1	LS	$ 1,147.56	$ 1,200.00
393.7	Minor Equipment consisting of fire extinguisher and shelving	2020	1	LS	$ 382.52	$ 400.00
393.7	Minor Equipment - Fire extinguisher , ladder, etc.	2020	1	LS	$ 143.45	$ 150.00
393.7	Minor Equipment - Trucks, chairs, Fire extinguisher , etc.	2020	1	LS	$ 248.64	$ 260.00
393.7	Minor Equipment	2020	1	LS	$ 114.76	$ 120.00
393.7	Minor Equipment yard tools, cabinets, vacuum, shelf/Cabinet, respirators	2020	1	LS	$ 1,530.09	$ 1,600.00
393.7	Confined Space Set complete with tripod and lift	2020	1	LS	$ 1,912.61	$ 2,000.00

TABLE 10 - Tools, Shop and Garage Equipment

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
393.7	Kellogg-America Air Compressor, single stage, 5HP with vertical 60 gallong capacity Tank, complete with piping, connectins, wiring and controls	2020	1	LS	$ 765.04	$ 800.00
393.7	Continental Shop Press Model HV100, #10776, 30 ton capacity, hydraulic	2020	1	LS	$ 478.15	$ 500.00
393.7	Minor equipment consisting of hand tools, power tools, jack, racks, fire extinguisher, etc.	2020	1	LS	$ 2,773.28	$ 2,900.00
393.7	Rigid 535 Pipe Threader with tooling	2020	1	LS	$ 2,295.13	$ 2,400.00
393.7	Steel shop table, 8 x 5 with Jib Crane, Vise and Pipe Vise	2020	1	LS	$ 765.04	$ 800.00
393.7	Proto tool chest, 4x2x5 1/2 with hand tools	2020	1	LS	$ 6,694.13	$ 7,000.00
393.7	Lincoln Idealarc 250 Welder	2020	1	LS	$ 765.04	$ 800.00
393.7	Jet Drill Press Model JDP-20MF, #14046692	2020	1	LS	$ 812.86	$ 850.00
393.7	Jet Horizontal Band Saw, Model HBS-916W, #414468	2020	1	LS	$ 2,773.28	$ 2,900.00
393.7	Minor Equipment - Fire extinguisher , fan, pump, etc.	2020	1	LS	$ 286.89	$ 300.00
393.7	Minor Equipment - Desk, Chair, File, Bookcase, Vaccum, Fire extinguisher , air conditioner, etc.	2020	1	LS	$ 1,721.35	$ 1,800.00
393.7	Minor equipment consisting of ladder, yard tools and fire extinguisher, etc.	2020	1	LS	$ 172.13	$ 180.00
393.7	Minor equipment consisting of life ring, floatation Devicefor Primary Settling Tanks	2020	1	LS	$ 573.78	$ 600.00
393.7	Minor equipment consisting of life ring, floatation Device ffor Final Settling Tanks 1 & 2	2020	1	LS	$ 382.52	$ 400.00
393.7	Minor equipment consisting of life ring, floatation Device for Final Settling Tanks 3, 4 and 5	2020	1	LS	$ 573.78	$ 600.00
393.7	Minor equipment consisting of life ring, floatation Device for chlorine tanks	2020	1	LS	$ 382.52	$ 400.00

TABLE 10 - Tools, Shop and Garage Equipment

						Replacement
NARUC					Original	Value
Account	Description	Year	Quantity	Unit	Cost	Today
393.7	Minor equipment consisting of battery chargers. Drum pumps, airless painter, counters, sprayers, ladders, pressure washer, space heaters, air compressor, hand and power tools, hand trucks, fire extinguishers, shop lights, jacks, refrigerators, chain saw, leaf blowers, string trimmers, utility cart, sandblaster, yard tools, files credenza, chairs, vacuum, safety cabinets	2020	1	LS	$ 7,650.43	$ 8,000.00
				Column Total =	**$ 104,839.62**	

TABLE 11 - Laboratory Equipment

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
394	Orio Ph/ RDO/DO meter	1996	1	LS	$ 1,171.82	$ 2,500.00
394	Glassware	1996	1	LS	$ 937.45	$ 2,000.00
394	Refrigerator	1996	1	LS	$ 468.73	$ 1,000.00
394	Manning effluent composite sampler	2021	1	LS	$ 6,581.00	$ 6,581.00
394	Process Control Equipment	1996	1	LS	$ 4,687.27	$ 10,000.00
394	Lab Equip & Furniture	1996	1	LS	$ 39,841.83	$ 85,000.00
				Column Total =	**$ 53,688.11**	

TABLE 12 - Power Operated Equipment

NARUC Account	Description	Year	Quantity	Unit	Original Cost	Replacement Value Today
395.7	See Table 10					
			Column Total =		$ -	

TABLE 13 - Communication Equipment

							Replacement
NARUC					Unit	Original	Value
Account	Description	Year	Quantity	Unit	Cost	Cost	Today
396.7	iPhone XR's	2021	2	EA	$ 500.00	$ 1,000.00	
396.7	iPads (4G)	2021	5	EA	$ 400.00	$ 2,000.00	
396.7	NEC Master Telephone System With PA, Amplifier and phones	2020	1	LS	$ 8,600.00	$ 8,600.00	
				Column Total =		$ 11,600.00	

TABLE 14 - Misc. Equipment

						Replacement
NARUC					Original	Value
Account	Description	Year	Quantity	Unit	Cost	Today
397.9	Surveillance System - 4-cameras, 2-monitor, 1-controller	2020	1	LS	$ 1,400.00	
397.9	DVR Recorder	2018	2	LS	$ 600.00	
			Column Total =		**$ 2,000.00**	

APPENDIX B

Appendix B – City of Beaver Falls Sewer Maps

(No Public version)