CHARLES TOWN UTILITY BOARD
AGENDA

WEDNESDAY, SEPTEMBER 8, 2021

Regular Meeting | **661 South George Street, Charles Town, WV 25414** | **4:00 PM**

CALL TO ORDER

1. **APPROVAL OF MINUTES**
   a. Approval of August 25, 2021 Regular Meeting Minutes
   2021.08.25 UB MINUTES.pdf

2. **PUBLIC COMMENT**
   This portion of the agenda is designed for members of the general public to share thoughts on items of interest in the community. By law, Board members may ask clarifying questions or discuss procedural matters but are not permitted to discuss the policy merits of any issue unless it is scheduled for discussion.

   The public is invited to attend this meeting in person or via webcast (www.ctubwv.com- Board Meetings - Meeting Agendas and Minutes 2021) or by accessing the following zoom link:

   https://us06web.zoom.us/j/83685706191?pwd=cXhvM2tHcUFxam1IejJlcWwyVWZTQT09

   Meeting ID: 836 8570 6191
   Passcode: 338213
   +1 301 715 8592 US

3. **UNFINISHED BUSINESS**

4. **NEW BUSINESS**
   a. GDF - Amendment to Engineering Service Agreement
   Owner Engineer Agreement Amendment No. 1.pdf
   b. Fairfax Boulevard Water and Sewer AMEA's
   Fairfax Boulevard AMEA's.pdf
   c. Locust Hill Tank Mixer Quotes
   Charles Town WV Mixer 2021.pdf
   d. Claim No. 0AB262300 and Claim No. 0AB288640 Discussion - Possible Executive Session of the Board pursuant to the following statutory exception to the Open Governmental Proceeds Act): WV State Code Section §6-9A-4(b)(12) – To discuss any matter which, by express provision of federal law, or state statute or rule of court is rendered confidential, or which is not considered a public record within the meaning

of the Freedom of Information Act, specifically in this case, matters protected by Attorney-Client Privilege.

e. NPDES Permit WV0022349 Renewal Review - Possible Executive Session of the Board pursuant to the following statutory exception to the Open Governmental Proceeds Act): WV State Code Section §6-9A-4(b)(12) – To discuss any matter which, by express provision of federal law, or state statute or rule of court is rendered confidential, or which is not considered a public record within the meaning of the Freedom of Information Act, specifically in this case, matters protected by Attorney-Client Privilege.

5. **MANAGER REPORTS**
   a. Utility Manager Report
      UM Report.pdf
   b. Chairman Report

6. **APPROVAL OF BILLS**
   a. September 8, 2021
      2021.09.08 Board Report.pdf

7. **ADJOURNMENT**

8. **INFORMATION ONLY - NEXT MEETING - SEPTEMBER 22, 2021 AT 4:00 P.M.**

August 25, 2021

The Charles Town Utility Board held a regular meeting on August 25, 2021 at 4:00 p.m. Members of the Board present were Daryl Hennessy, Pete Kubic, Duke Pierson, Tommy Stocks and Jacquelyn Milliron. Also present were Kristen Stolipher, Hoy Shingleton, and Ashley Stottlemyer. The Chairman called for changes or corrections to the August 11, 2021 regular meeting minutes. With no objections, the Board approved the minutes as presented. The Board received no public comments.

The Chairman next opened the floor for discussion on the RK&K Facility Plan. Rhiannon Dodge and John Cole from RK&K provided a high-level review of the draft Facility Plan. Brandon Felton from RK&K was also in the audience to answer any questions from the Board. Rhiannon stated there were numerous projects detailed in the plan including Jetts Farm Pump Station, Burr East Pump Station, Moose Lodge Improvements, Jefferson Memorial Park Forcemain and the Lakeland Place Pump Station as well as evaluating the Flowing Springs Pump Station and Evitts Run Interceptor. The estimated costs were shown to be $5.7 million, but could be adjusted once the plan is final. Kristen provided this is the first step to initiate the process of the funding agencies to obtain a commitment previously awarded to the PSD for the Flowing Springs project as well as additional funding potentially. The Board held discussions on the plan.

Next discussed was the RK&K 2021 Facility Plan Design and Construction Phase. The task order included the engineering and surveying services for designing the modifications to the Flowing Springs Pump Station and Evitt's Run Interceptor as detailed in the draft Facility Plan, along with combining all the individual projects detailed in the plan into a single construction project. John mentioned the project should be ready to bid within six months. Motion by Tommy, second by Duke, to approve Task Order 19. After much discussion, the original motion was amended by Jacquelyn, seconded by Duke, to approve the Task Order through the design phase of up to $112,500.00. With no objections, the Board approved the amended motion.

Next, the 2021 Bond Refunding Overview and Timeline was discussed. Kristen provided the refunding of the 2015 A & B bonds would result in an average $20,000 a year savings. Staff will brief City Council on September 7th and then move into the three readings of the bond ordinance. John Stump, from Steptoe and Johnson, prepared a Resolution authorizing the refunding. John gave a brief overview of the bond ordinance process with a possible closing after Thanksgiving. Discussion was held by the Board. Motion by Duke, second by Tommy, the Board approved the Resolution as presented.

The Utility Manager Report was next addressed. Kristen briefed the Board on this month's sewer and water efforts including hydrant flushing and the City Council briefing on September 7th. Kristen also reviewed the process for amending AMEA's. She explained that once an AMEA is approved by the PSC, any changes initiated and agreed to by both parties would be submitted to the PSC if the terms of the agreement had changed. The Board held discussions on what scenarios would initiate such changes. The Chairman had no updates for the Chairman Report.

The Board next discussed the Approval of Bills. Motion by Tommy, second by Duke, with discussion from Jacquelyn, the Board approved the payment of bills.

With no objections, the Board adjourned the meeting at 5:40 p.m. The September 8th regular meeting will be held beginning at 4:00 p.m.

_____ _____

Chairman Secretary

This is **EXHIBIT K**, consisting of 2 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated July 8, 2020.

AMENDMENT TO OWNER-ENGINEER AGREEMENT
Amendment No. 1

The Effective Date of this Amendment is: _____.

Background Data

Effective Date of Owner-Engineer Agreement: July 8, 2020

Owner: Charles Town Utility Board

Engineer: Gwin, Dobson & Foreman, Inc.

Project: Wastewater Treatment Facilities Renewal and Replacement Project

Nature of Amendment:

__X__ Additional Services to be performed by Engineer

__X__ Modifications of payment to Engineer

Description of Modifications:

Additional engineering design work including coordination of a centrifuge pilot study, design of a new centrifuge solids handling system, additional upgrades to the SBR system including piping modifications and instrumentation, new diffusers and additional SBR control panel modifications, new digester blowers, air compressors, diffusers and decanting mechanism, waste activated sludge modifications, new plant influent meter vault and additional electrical design and new plant emergency generator. Additional engineering preliminary and final design fees ($140,000) and additional construction administration fees ($35,000) and post construction phase services ($10,000). Refer to attached "Charles Town Wastewater Plant – Process Treatment Assessment" prepared by GD&F which summarizes most of the additional engineering services.

Agreement Summary:

Original agreement amount:	$ 575,000.00
Net change for prior amendments:	$ 0.00
This amendment amount:	$ 185,000.00
Adjusted Agreement amount:	$ 760,000.00

Change in time for services (days or date, as applicable): 0

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The foregoing Agreement Summary is for reference only and does not alter the terms of the Agreement, including those set forth in Exhibit C.

Owner and Engineer hereby agree to modify the above-referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect.

OWNER:		ENGINEER:	
Charles Town Utility Board		Gwin, Dobson & Foreman, Inc.	
By:		By:	
Print name:	Kristen Stolipher	Print name:	Mark Glenn
Title:	Utility General Manager	Title:	President
Date Signed:		Date Signed:	

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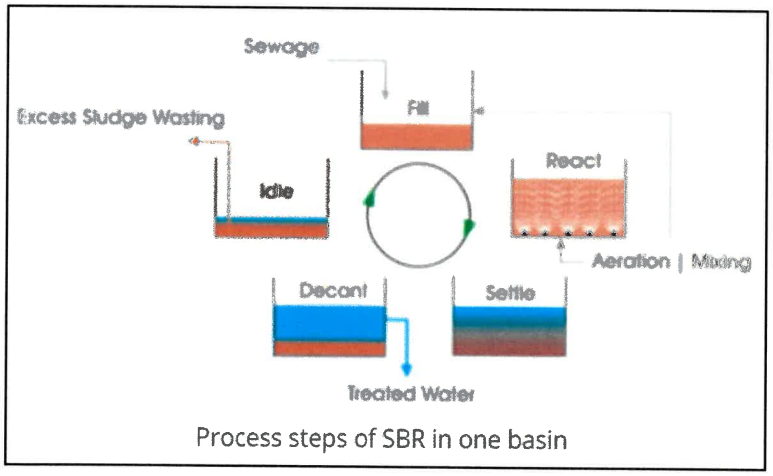
CHARLES TOWN WASTEWATER PLANT - PROCESSS TREATMENT ASSESSMENT

General - The following analysis focuses on the biological treatment process, its current performance and suggested optimization enhancements to extend the service life of the existing facility, enhance process operations, provide additional capacity and improve treatment efficiencies.

These targeted, cost-effective improvements will result in a more robust and reliable process for meeting regulatory standards until such time that a larger and more centralized treatment plant is constructed to meet planning period demands.

Process Description - The Sequencing Batch Reactor (SBR) technology has been in existence for 25 years and is a version of the suspended growth "activated sludge" wastewater treatment process.

The SBR process offers cost savings because of its fill-and-draw configuration. The SBR process treats sewage in "batches" which means all treatment is done in a tank with no flow going in or out until the process is complete and the treated wastewater is discharged. Please refer to the following figure of the SBR process.



Process steps of SBR in one basin

The first operation (Fill Cycle) involves raw sewage entering a tank partially filled with biologically active sludge left over from the last cycle. For nutrient removal, an anoxic fill cycle (no air) is provided prior to reaction/aeration. Next, after a quiescent period, the sewage-sludge mixture is aerated for 2-3 hours (Reaction Cycle). Then the air is turned-off and the wastewater is allowed to settle for several hours (Settling Cycle).

At the end of this cycle, the "clear water" on top is drawn-off (or decanted) for filtering and disinfection (Decant Cycle) and a small fraction of the settled sludge is withdrawn from the tank bottom and pumped to the aerobic sludge digesters (Sludge Wasting Cycle). Waste sludge is digested aerobically.

Historical Plant Influent Flow Data and Loading Review - Charles Town personnel provided Discharge Monitoring Reports from 2016 to 2019. Historic flows were evaluated using a Log Pearson Type III frequency analysis. Plant loadings for the period were also evaluated using a Log Pearson analysis. The proposed plant design flow parameters were determined as follows:

Flow Type	Influent Flow (MGD)	Remarks
Minimum Hourly Flow*	0.138	Minimum daily flow for the period from January 2016 - December 2019
Monthly Average Flow*	1.50	Monthly average flow for the period from from January 2016 - December 2019
Permitted Plant Capacity*	1.75	WVDEP Permitted Plant Capacity
Permitted Maximum 3 Month Average Flow	1.58	90% of Permitted Plant Capacity
Maximum Monthly Average Flow*	2.22	Maximum monthly average flow occurred in September 2018
Maximum Weekly Flow	1.39	Log Pearson Type III analysis of 50% probability occurrence of all from January 2016 - December 2019 flow events
35% Probability Occurrence, Peak Flow	1.55	Log Pearson Type III analysis of 35% (+/-) probability occurrence of all from January 2016 - December 2019 flow events
20% Probability Occurrence, Peak Flow	1.90	Log Pearson Type III analysis of 20% probability occurrence of all from January 2016 - December 2019 flow events
Maximum 3 Month Running Average	2.00	Log Pearson Type III analysis of 9% probability occurrence of all from January 2016 - December 2019 flow events
Maximum Daily Flow	2.20	Log Pearson Type III analysis of 5% (+/-) probability occurrence of all from January 2016 - December 2019 flow events
Peak Hourly Flow*	2.56	Log Pearson Type III analysis of 2% (+/-) probability occurrence of all from January 2016 - December 2019 flow events
Peak Instantaneous Flow*	4.34	Maximum system flow of 4.339 MGD recorded for from January 2016 - December 2019

Asterisk (*) Denotes Design Flow Parameters

During this same period the Charles Town Utility Board evaluated the plant effluent flows and noted that the maximum 3 month running average reached 1.56 MGD in 2019 and 1.67 MGD in 2018. While 2018 was a year of exceptional rainfall, the 2019 running average approached the permit conditions. This differed from the above values because the WVDEP values were based on effluent flow which has historically been less than the measured influent flow results. Based on the measured influent flow, the plant would have been considered hydraulically overrated.

The existing plant is also designed to meet the NPDES permit limits for BOD5, TSS and ammonia-nitrogen (NH_3), as well as meet annual TMDL limits for Total Nitrogen and Total Phosphorus.

Effluent Characteristics	Monthly Average Loading Rate, lbs./day	Max Daily Loading Rate, lbs./day	Monthly Average Concentration, mg/L	Max Daily Concentration, mg/L
BOD_5	301	601	20.6	41.2
TSS*	438	876	30	60
Ammonia-Nitrogen	60	120	4.1	8.2

The plant currently has the capacity and treatment capabilities to meet the daily limits as well as the annual TMDL limits based on the historical flow analysis without using the denitrifying filters. The plant's current effluent concentrations of total nitrogen and total phosphorus are 6.1 mg/L and 0.49 mg/L respectively. The historic daily average flow results for the annual plant TMDL limits are as follows:

Effluent Characteristics	Charles Town Plant (Outfall 001)
Average Daily Flow, MGD	1.48
Total Nitrogen, mg/L	6.10
Total Nitrogen, lbs./year	27,444
Total Phosphorus, mg/L	0.49
Total Phosphorus, lbs./year	2,216

While the plant meets the average daily flows, based on the historical effluent results, the plant would not meet the TMDL limit for TN at 1.75 MGD (32,495 lbs./year). Residential growth is expected to continue. The residential growth is not expected to impact the overall wastewater influent concentrations, which means the plant should be capable of producing the same effluent concentrations. This shows that as the plant continues to grow over the next 10 years, the average influent rate is expected to approach 1.71 MGD. This will require either upgrades to meet the hydraulic capacity or enhancements and optimization measures outlined herein.

Future Growth and Build-Out - Based on the projected growth EDU's provided by the Charles Town Utility Board, a review of the "Maximum 3 Month Running Average" flow rates was used to determine recommendations on when future expansions should occur and the anticipated future maximum daily flow rates for the Charles Town Plant. Some assumptions were made in reviewing the Charles Town Utility

Board spreadsheet data on planned development activities in the service area. The first being that the Charles Town Wastewater Treatment Plant (CTWWTP) serves roughly 17,500 people which is currently 31% of the population of Jefferson County. For planning purposes, it is assumed that the future population served by the Charles Town wastewater plant would be the same fraction.

Also, the peak flow-to-average daily flow ratio and the "Maximum 3 Month Running Average" flow to Average Daily flow ratios for the last 5 years were used to estimate the ratios for the future growth period. Using these assumptions and estimates, Charles Town would not be considered hydraulically overloaded until the year 2034 when the Maximum 3 Month Running Average flow rates reached 1.59 MGD. Refer to Table 6 below.

Projected Year	**2021**	**2030**	**2034**	**2035**	**2040**
Projected EDUs	66	1,776	2,937	3,212	4,312
Average Daily Flow	1.23	1.31	1.37	1.38	1.43
Maximum 3 Month Running Average	1.43	1.52	1.59	1.60	1.66
Maximum Daily Flow	2.54	2.70	2.82	2.84	2.95

Also, additional review of the historic and projected effluent flows and annual nutrient mass loadings show that they match with the previously reviewed nutrient mass loadings when compared to influent flows (see below). The plant has been meeting the annual nutrient mass loadings mainly by virtue of lower plant flow rates. Issues associated with meeting the effluent nutrient mass loadings will increase as flow increases which will require either the use of the denitrifying filters or optimization upgrades to the SBR process to continue to meet the nutrient mass loadings over the intervening time.

Projected Year	**2021**	**2030**	**2034**	**2035**	**2040**
TN (lbs/yr)	24,060	25,612	26,665	26,915	27,913
TP (lbs/yr)	1,864	1,984	2,065	2,085	2,162

Another item that should be taken into consideration with future growth and build-out is the biological loading on the plant and associated equipment. The plant currently sees an average influent BOD concentration of 344 mg/L which is significantly higher than average strength wastewater.

It should be noted that due in part to the higher strength influent, it may be possible to provide upgrades to the biological treatment process that could potentially prolong the life of the existing plant, reduce operating costs and provide better biological treatment. This, in turn, would insure more reliable effluent quality and improve and enhance the sludge digestion, dewatering and disposal processes. The optimization upgrades have the potential to provide additional treatment capacity and possible hydraulic rerating of the plant by WVDEP.

The following sections will discuss the existing process treatment and proposed optimization enhancements.

Typical SBR Process Considerations Performance – Because of the unique fill-and-draw nature of the SBR process, the following factors should be considered in SBR design and operation. Many of the items listed are deficiencies currently existing at the Charles Town wastewater treatment plant.

- SBR's are vulnerable to high strength waste loads and wet-weather flows that can dilute or washout process biomass during storm events.

- Based on a nationwide survey, the majority of SBR systems are used in smaller applications where wastewater flows are more contained and not subject to high peaking factors. In general, there are more than 1,000 SBR-type facilities operating in the United States. About 70% of these plants are less than 0.5 MGD capacity and 80% are less than 1 MGD. Comparatively few plants are greater than 10 MGD capacity.

- Several publications and texts provide cautionary factors when considering SRB systems. (Reference: WEF MOP #8/ASCE MEP #76, Metcalf & Eddy, Wastewater Engineer; USEPA Wastewater Technology Fact Sheet - SBR's). Many of these observations have been noted as impacting the performance of the existing Charles Town treatment plant.

  a. A higher level of operational sophistication is required (compared to conventional systems), especially for larger systems, of timing units and controls.

  b. Higher level of maintenance (compared to conventional systems) associated with more sophisticated instrumentation and controls, automated switches and automatic valves.

  c. Potential of discharging floating or settled sludge during the draw or decant phase with some SBR configurations.

  d. Because substrate concentration changes with time, the substrate utilization and oxygen demand rates change, progressing from high to low levels. The aeration system should be designed to reflect changing requirements in oxygen demand. Wet-weather systems are vulnerable to these changing substrate conditions as the influent becomes more diluted.

  e. Process control is more complicated due to the number and timing of the various cycles.

  f. Potential for sludge bulking at low food-to-microorganisms ratio.

  g. Inability to chlorinate return activated sludge for filamentous bacteria control.

  h. For biological nutrient removal, reaction rates will be depressed if the reactor is not thoroughly mixed, therefore, mechanical mixing is warranted.

i. Some SBR systems use less efficient aeration devices and are prone to plugging during selected operating cycles. For optimum nutrient removal, fine bubble diffused air, via membrane diffusers mounted in tank bottoms, should be considered at Charles Town.

Existing Process Operational and Performance Limitations - Based on discussions with plant operators and observations of the existing process, the following operational limitations and performance problems have been noted at the Charles Town SBR process:

- The Charles Town SBR's have coarse bubble diffusers which are more energy intensive and less efficient in terms of oxygen transfer than fine bubble diffusers. Fine bubble diffused aeration systems are a feature of SBR design when nutrient removal is required. Also, coarse bubble diffusers can result in non-filamentous foam production (due to higher shearing action) when influent contains high concentrations of surface acting agents (i.e., surfactants in detergents and cleaning products) generated in institutional and industrial discharges.

- The plant does not have aeration blowers controlled by key process parameters such as dissolved oxygen (DO) and oxygen reduction potential (ORP). Over-aeration can break biomass floc particles apart, causing pin floc or small, dispersed floc that does not settle well. Anoxic zones (settling phase) used for denitrification can also turn partially aerobic, or oxic, due to high DO thus resulting in lower nitrogen removal.

- New blowers with variable frequency drives (VFD's) controlled by DO and ORP meters will better control the aeration cycle and result in less DO carryover to the anoxic nitrogen removal phase. Along with these benefits, better blower control will be less wasteful and more energy efficient.

- Excess sludge wasted (or removed) from the biological process at a high rate. This results in thinner waste sludge in terms of solids content with a lower volatile solids fraction. This is opposed to sludge that is allowed to accumulate and compact resulting in a thicker sludge blanket with a higher volatile fraction. The best means to remove sludge from the process is via pumping which is more easily controlled that the current method of a piped gravity discharge.

- The excess and high rate wasting of sludge has a "domino effect" in the sludge handling system since the aerobic digesters are less efficient in stabilizing sludge (less volatile solids removal). The continuous wasting of sludge from the digesters to the dewatering system results in excessive use of the plant belt filter press. Finally, since the plant volatile solids reduction does not meet the pathogen reduction criteria for Class "B" biosolids, Charles Town must continuously add lime to stabilize plant bio-solids. These problems are costly in terms of material costs and energy inefficiencies (digester blower and sludge operations).

- Aggravating the sludge digestion process is that the existing digesters do not have adequate decant mechanisms (i.e., adjustable, automatic decant valve) which could provide a denser and higher solids product for dewatering than the solids "carryover" that currently occurs in the

thinner sludge that is processed by the belt filter press. A thinner sludge requires more polymer addition for conditioning purposes which is a wasteful and costly chemical addition.

- The anoxic phase of the SBR process is the principal means of nitrogen removal where nitrogen gas is released. The objective of mixing in anoxic and anaerobic zones is to maintain optimum conditions for nutrient removal. Maintaining anoxic/anaerobic zones requires mixing of the basin contents while avoiding the introduction of free oxygen. Submersible or propeller mixers are commonly use to achieve these purposes.

Recommended Optimization Enhancements and Costs – The following recommended optimization enhancements have the ability to extend the service life of the existing facility, enhance process operations, provide additional capacity, improve treatment efficiencies and provide a more robust and reliable treatment process.

1. **Fine Bubble Diffused Air System** – Install membrane fine bubble diffusers in the SBR tank bottoms involving an aeration grid, connecting piping and air supply. Estimated Cost - $600,000.

2. **New Aeration Blowers** – Provision for new aeration blowers properly sized for process conditions and equipped with variable frequency drives to better control air supply to the SBR process reactors resulting in less DO carryover and more energy efficiency. Work includes blower control system integrated with the plant SCADA system. Estimated Cost - $250,000.

3. **Process Instrumentation** – Installation of DO and ORP instrumentation probes to better measure biological activity in the SBR's with output to the aeration blowers to control air volume to the react (aeration) process. Estimated cost - $50,000

4. **Anoxic Zone Mixing System** – Furnish submersible mixers in the anoxic zone to ensure optimum mixing conditions during the denitrification phase of the SRB process including electrical work. Estimated Cost - $150,000.

5. **Aerobic Digester Decant Mechanism** – Provision for adjustable decant mechanism to improve removal of supernatant from the aerobic digesters and provide for better digested sludge with a higher solids content prior to the sludge dewatering system. Estimated Cost - $100,000.

6. **SBR Control System Modifications** – Provide for integration of the above blower controls and plant instrumentation system (DO, ORP meters) with the plant SCADA system along with new SBR cycle times and control intervals. Estimated cost - $50,000

7. **Waste Activated Sludge (WAS) System Improvements** – The need to better control waste activated sludge (WAS) removal from the SBR process would involve new WAS pumps including pump controls and piping. Estimated cost - $150,000.

The estimated construction cost of the recommended optimization enhancements is $1,350,000. Along with associated engineering and administrative costs of $250,000, the total estimated project cost is $1,600,000.

SEWER ALTERNATE MAIN LINE EXTENSION AGREEMENT

This ____ day of _____ 2021, the City of Ranson, a political subdivision of the State of West Virgina, whose address is 312 South Mildred Street, Ranson, West Virginia 25438 (hereafter, the "City") and the Charles Town Utility Board, a West Virginia public utility, whose address is 661 South George Street, Charles Town, West Virgnia 25414 (hereafter, the "Utility"), collectively the "Parties", AGREE to enter into this Sewer Alternate Main Line Extension Agreement (the "Agreement") for the purpose of providing a sanitary sewer collection system extension to serve areas of Ranson, Jefferson County, West Virginia ("the Project").

WHEREAS, the Utility wishes to make sanitary sewer collection facilities available to the greatest number of individuals and entities within its service area in as prudent a manner as possible; and,

WHEREAS, the City is planning to develop certain public sewer infrastructure within the City of Ranson and the Utility's service territory; and,

WHEREAS, the Project includes installation of public sewer facilities that will provide reliable public sanitary sewer collection, transmission and treatment for residents of Ranson; and,

WHEREAS, the construction proposed to be undertaken by the City consists of approximately XXXX LF of new sewer main pipeline and appurtenances, which will serve the Project, as shown on Exhibit A ("the Extension"); and,

WHEREAS, the City is willing to bear the expense of the Project.

NOW, THEREFORE, in consideration of the covenants and agreements set forth herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Utility and the City agree:

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SECTION I

INTENT OF PARTIES

Section 1.01. It is the intent of the Parties that the City shall construct the Extension in accordance with the terms herein and that, upon completion, and inspection and reasonable approval by the Utility, the City shall convey, at no cost to the Utility, all of the Extension.

SECTION II

DESIGN

Section 2.01. The City hereby agrees to employ a Registered Professional Engineer, licensed by the State of West Virginia (the "City's Engineer"), to design the Extension. The City shall pay for the design of the Extension.

Section 2.02. The Utility shall bear no financial responsibility for the design of the Extension. The Utility shall reasonably cooperate with the City to facilitate the timely completion of the Extension, and shall provide the City with information in the Utility's possession or control in order to assist in the design of the Extension and the performance of the City's obligations under this Agreement.

Section 2.03. The design parameters for the Extension are subject to the review and approval of the Utility, and shall conform to the law and prevailing engineering professional standards. The design parameters governing the sizing and capacity of the Extension shall conform to the standard announced by the Utility.

Section 2.04. The City shall have the Extension designed to meet Utility specifications, including size and capacity of the main pipeline. The Extension shall consist of collection mains, pipes, manholes, fittings, and ancillary fixtures and equipment necessary to facilitate domestic public sewer service.

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Section 2.05. Prior to the start of construction of the Extension, the City shall provide the Utility copies of the plans and specifications for the Extension. The Utility shall approve or disapprove, prior to the start of construction, the plans and specifications of the Extension, to ensure that the Extension: (i) will collect and transmit sanitary sewage in accordance with current engineering, regulatory, and Utility requirements; (ii) complies with the terms of this Agreement; and (iii) adequately protects the environment (collectively, the "Review Standard"). The Utility shall provide written notice of approval of the plans and specifications, or as required, shall document, with reasonable specificity, within fifteen (15) business days following their submission, any revisions required by the Utility in order to satisfy the Review Standard. The plans and specifications shall be deemed approved if no notice is received by the City within fifteen (15) business days following their submission.

Section 2.06. The City shall, consistent with the terms of this Agreement, administer, design and construct the Extension.

Section 2.07. The Parties mutually agree that no cost estimate shall be prepared for the Extension to be constructed under this Agreement. The Parties agree to waive this requirement for preparation of an estimate by the Utility, provided, however, the City may prepare cost estimates as necessary for its use.

SECTION III
PERMITS AND EASEMENTS

Section 3.01. The City shall, at its own expense, obtain and comply with necessary permits, authorizations and approvals of federal, state and local agencies prior to and during construction of the Extension.

Section 3.02. The City, at no cost to the Utility, shall provide the Utility easements for main sewer lines and ancillary facilities included in the Extension.

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SECTION IV
CONSTRUCTION

Section 4.01. The City will construct the Extension solely in accordance with the approved plans and specifications and this Agreement.

Section 4.02. The Utility shall bear no financial or other responsibility for the construction of the Extension.

Section 4.03. The Utility may deploy a full time resident project representative (the "RPR") during construction of the Extension. Full time shall mean that time during which construction layout is being reviewed, construction is ongoing and piping or appurtenances are being laid out, excavated for, installed, backfilled, repaired and tested. This includes construction related meetings. It shall be the obligation of the City to provide a minimum of twenty-four (24) hours notice to schedule construction inspection by the RPR.

It shall be the obligation of the City to satisfy the RPR that all construction and testing has been performed in accordance with the approved plans and specifications.

In any event, no facility shall be covered with stone or earth without the express inspection and approval of the Utility or its RPR. Any facilities covered without the inspection and approval may be re-excavated to allow for adequate inspection in accordance with the sole judgment of the Utility.

Section 4.04. The City shall continually update the plans and specifications through the design and construction of the Extension as needed and have available "redlined" copies of the plans and specifications for review by the Utility as requested.

Section 4.05. At all times during the construction of the Extension the City shall maintain sole ownership of the Extension.

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Section 4.06. The City shall employ a licensed land surveyor to accurately locate by post-construction survey all system fixtures on the as-built drawings which are to be provided as required by Section 5.05 of this Agreement.

Section 4.07. The Utility shall have the right to inspect and approve, prior to the implementation of service, the construction of the Extension to ensure that the Extension is constructed in accordance with the approved plans and apecifications, the current specifications and standards of the Utility, and using materials in compliance with federal, state and local standards.

SECTION V
COMPLETION AND TRANSFER OF RESPONSIBILITY

Section 5.01. It is expressly understood between the Parties that the Utility will receive title to the Extension upon completion and inspection without any renumeration or payment, provided, however, that the Utility shall have no obligation to receive title to or assume responsibility for the Extension until relevant terms and conditions of this Agreement are satisfied.

Section 5.02. Upon completion of the construction of the Extension and when the inspections and testing and repairs (if any) described in Section IV of this Agreement have been completed, the Extension shall be deemed completed in all respects. As used in this and subsequent sections, "completed in all respects" includes: (i) the Extension being completed in accordance with the terms and conditions of this Agreement; (ii) engineers, material men, contractors and subcontractors of the City having been paid for their work on the Extension; and (iii) a certification from the City that legal disputes regarding the Extension are resolved, and no outstanding liens exist regarding the Extension, the same to be certified in writing by the City,

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(collectively, the "Completion Requirements"). The City shall provide the Utility with written notice of meeting the Completion Requirements (the "Completion Requirements Notice").

Section 5.03. The Utility shall have the right to inspect and conduct tests at its expense on the Extension before it takes possession of the same. If the Extension fails any such test, the Utility shall notify the City in writing of such failure as soon as possible and prescribe the action necessary to remedy the problem, which action shall be undertaken by the City at its expense and schedule.

Section 5.04. Unless within thirty (30) business days following its receipt of the Completion Requirements Notice described in Section 5.02, the Utility conducts additional inspection or testing in accordance with Section 5.03, the Utility shall be deemed to have accepted the Extension, and the City shall deliver by bill of sale, and the Utility shall acquire, in accordance with the terms outlined in Section VI of this Agreement, ownership of the Extension.

Section 5.05. Not later than sixty (60) business days following the Utility's acceptance of the Extension, the City shall provide the Utility with three (3) copies of certified and signed "as-built" drawings showing how the Extension was actually constructed. Such as-built plans shall reflect to results of a post-construction survey by a West Virginia licensed land surveyor in accordance with Section 4.06 of this Agreement.

Draft

SECTION VI

FINANCIAL TERMS

Section 6.01. The City shall design and construct the Extension at its own expense and shall, in accord with the provisions of this Agreement, deliver the completed Extension to the Utility at the earliest possible date, and the Utility shall accept the Extension as a part of its own system, in accord with the terms contained in this Agreement, at the earliest possible date.

Section 6.02. Upon transfer of ownership of the Extension to the Utility, nothing in this Agreement shall be construed to provide the City with any ownership or other interest in the Extension, which shall become the exclusive property of the Utility except as otherwise provided in this Agreement.

Section 6.03. Transfer of ownership of the Extension shall occur no later than sixty (60) days after the acceptance of the completed Extension by the Utility.

Section 6.04. The Utility shall be solely responsible for the operation and maintenance of the completed Extension to supply sewer service to the public.

Draft

SECTION VII

REPRESENTATIONS AND WARRANTIES

Section 7.01. The Utility and the undersigned represent and warrant that the execution, delivery and performance of this Agreement by the Utility has been duly authorized, and this Agreement constitutes a valid and binding obligation of the Utility enforceable in accordance with its terms.

Section 7.02. The City and the undersigned represent and warrant that that the execution, delivery and performance of this Agreement by the City has been duly authorized and that the Extension will be designed and constructed in accordance with the approved plans and specifications and this Agreement.

SECTION VIII
MISCELLANEOUS PROVISIONS

Section 8.01. Nothing in this Agreement shall be construed to make the Utility liable or responsible for any obligations of the City, nor shall this Agreement be construed to make the City liable or responsible for any obligations of the Utility.

Section 8.02. The City hereby agrees to save, indemnify, hold harmless and defend the Utility against all liability claims and judgments or demands for damages arising from accidents to persons or property occasioned by the City, its agents or employees, and against all claims and demands for damages arising from accidents to the City, its agents or employees, resulting from construction of the Extension, whether occasioned by said City or its employees or any other person or persons hired or controlled by City, and the City will defend any suits that may be brought against the Utility and reimburse the Utility for any expenditures that the Utility may make by reason for such accidents. Furthermore, the City hereby agrees to save, indemnify, hold harmless and defend the Utility from claims, demands, causes of action, or suits of whatever nature arising out of the labor and materials used by the City and its contractors or subcontractors, and from laborers', materialmen's and mechanic's liens arising out of the labor and materials used by the City and its contractors or subcontractors, resulting from construction of the Extension.

Draft

The Utility hereby agrees to save, indemnify, hold harmless and defend the City against all liability claims and judgments or demands for damages arising from accidents to persons or property occasioned by the Utility, its agents or employees, and against all claims and demands for damages arising from accidents to the Utility, its agents or employees, resulting from their presence during construction of the Extension, whether occasioned by said Utility or its employees, agents, representatives, or any other person or persons hired or controlled by the Utility, and the Utility will defend any and all suits that may be brought against the City. Upon satisfaction of the terms and conditions of this Agreement and the transfer of the Extension or any part thereof, Utility agrees to indemnify the City from any claim associated with the Utility utilizing this system.

Section 8.03. This Agreement constitutes the entire agreement between the Utility and the City with respect to the matters addressed and may be amended only in a subsequent writing executed by both parties and supersedes any other agreement executed by the Utility and the City with respect to the Extension and the Project.

Section 8.04.This Agreement may not be assigned or otherwise transferred to a third party by either party without the written consent of the other party. The Parties mutually agree that reasonable consent of assignment or transference of the Agreement shall not be withheld provided sufficient written notice is received.

Section 8.05. If any portion of this Agreement is declared void or unenforceable as a result of a change in federal or state law or regulations or by a change in federal, state or local specifications, the remaining sections will remain in force and the parties shall negotiate in good faith to reach agreement on an amendment to the offending section or part thereof to bring it back into compliance.

Draft

Section 8.06. The section headings in this Agreement are merely for the convenient reference of the parties and shall not affect the meaning or interpretation of the Agreement.

Section 8.07. This document shall be governed by and interpreted in accordance with the laws of the State of West Virginia and the enforcement hereof shall be exclusively within the jurisdiction of the Circuit Court of Jefferson County, West Virginia.

Draft

WITNESS the following signatures the day and year first written above.

City of Ranson

By: _____

Charles Town Utility Board

By: _____

EXHIBIT A

Map of the Extension

Draft

WATER MAIN LINE CONSTRUCTION AGREEMENT

This ____ day of _____ 2021, the City of Ranson, a political subdivision of the State of West Virgina, whose address is 312 South Mildred Street, Ranson, West Virginia 25438 (hereafter, the "City") and the Charles Town Utility Board, a West Virginia public utility, whose address is 661 South George Street, Charles Town, West Virgnia 25414 (hereafter, the "Utility"), collectively the "Parties", AGREE to enter into this Agreement (the "Agreement") for the purpose of improving the Utility's public water distribution service in areas of Ranson and Jefferson County, West Virginia ("the Project").

WHEREAS, the Utility wishes to make public water available to the greatest number of individuals and entities within its service area in as prudent and efficient a manner as possible; and,

WHEREAS, the City is planning to develop certain public infrastructure within the City of Ranson and the Utility's service territory; and,

WHEREAS, the Parties agree that the Project is desirable and most efficiently and cost-effectively completed during and as part of the City's infrastructure project; and,

WHEREAS, the construction proposed to be undertaken by the City consists of approximately 600 LF of new water main pipeline and appurtenances, as shown on Exhibit A ("the Extension"); and,

WHEREAS, the Utility is willing to bear the full expense of the Project.

NOW, THEREFORE, in consideration of the covenants and agreements set forth herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Utility and the City agree:

Draft

SECTION I

INTENT OF PARTIES

Section 1.01. It is the intent of the Parties that the City shall construct the Extension in accordance with the terms herein and that, upon completion, the City shall convey, at no cost to the Utility, all of the Extension.

SECTION II

DESIGN

Section 2.01. The Utility hereby agrees to employ a Registered Professional Engineer, licensed by the State of West Virginia (the "City's Engineer"), to design the Extension. The Utility shall pay for the design of the Extension.

Section 2.02. The City shall bear no financial responsibility for the design of the Extension.

Section 2.03. The design parameters for the Extension are the sole prerogative of the Utility.

Section 2.04. Prior to the start of construction of the Extension, the Utility shall provide the City copies of the plans and specifications for the Extension.

Section 2.05. The City shall, consistent with the terms of this Agreement, administer, design and construct the Extension.

Section 2.07. The Parties mutually agree that no cost estimate shall be prepared for the Extension to be constructed under this Agreement. The Parties agree to waive this requirement for preparation of an estimate by the Utility, provided, however, the City may prepare cost estimates as necessary for its use.

Draft

SECTION III
PERMITS AND EASEMENTS

Section 3.01. The Utility shall, at its own expense, obtain and comply with necessary permits, authorizations and approvals of federal, state and local agencies prior to and during construction of the Extension.

Section 3.02. The City, at no cost to the Utility, shall provide the Utility easements for main lines and ancillary facilities included in the Extension.

SECTION IV
CONSTRUCTION

Section 4.01. The City will construct the Extension solely in accordance with the provided plans and specifications and this Agreement.

Section 4.02. The City shall bear no financial or other responsibility for the construction of the Extension.

Section 4.03. The Utility may deploy a full time resident project representative (the "RPR") during construction of the Extension. Full time shall mean that time during which construction layout is being reviewed, construction is ongoing and piping or appurtenances are being laid out, excavated for, installed, backfilled, repaired and tested. This includes construction related meetings. It shall be the obligation of the City to provide a minimum of twenty-four (24) hours notice to schedule construction inspection by the RPR.

It shall be the obligation of the City to satisfy the RPR that all construction and testing has been performed in accordance with the approved plans and specifications.

In any event, no facility shall be covered with stone or earth without the express inspection and approval of the Utility or its RPR. Any facilities covered without the inspection

Draft

and approval may be re-excavated to allow for adequate inspection in accordance with the sole judgment of the Utility.

Section 4.04. The City shall continually update the plans and specifications through the design and construction of the Extension as needed and have available "redlined" copies of the plans and specifications for review by the Utility as requested.

Section 4.05. At all times during the construction of the Extension the City shall maintain sole ownership of the Extension.

Section 4.06. The City shall employ a licensed land surveyor to accurately locate by post-construction survey all system fixtures on the as-built drawings which are to be provided as required by Section 5.05 of this Agreement.

Section 4.07. The Utility shall have the right to inspect and approve, prior to the implementation of service, the construction of the Extension to ensure that the Extension is constructed in accordance with the approved plans and apecifications, the current specifications and standards of the Utility, and using materials in compliance with federal, state and local standards.

Draft

SECTION V

COMPLETION AND TRANSFER OF RESPONSIBILITY

Section 5.01. It is expressly understood between the Parties that the Utility will receive title to the Extension upon completion and final payment of project costs.

Section 5.02. Upon completion of the construction of the Extension and when the inspections and testing and repairs (if any) described in Section IV of this Agreement have been completed, the Extension shall be deemed completed in all respects. As used in this and subsequent sections, "completed in all respects" includes: (i) the Extension being completed in

accordance with the terms and conditions of this Agreement; (ii) engineers, material men, contractors and subcontractors of the City having been paid for their work on the Extension; and (iii) a certification from the City that legal disputes regarding the Extension are resolved, and no outstanding liens exist regarding the Extension, the same to be certified in writing by the City, (collectively, the "Completion Requirements"). The City shall provide the Utility with written notice of meeting the Completion Requirements (the "Completion Requirements Notice").

Section 5.03. The Utility shall have the right to inspect and conduct tests at its expense on the Extension before it takes possession of the same. If the Extension fails any such test, the Utility shall notify the City in writing of such failure as soon as possible and prescribe the action necessary to remedy the problem, which action shall be undertaken by the City at the Utility's expense and schedule.

SECTION VI
FINANCIAL TERMS

Section 6.01. The Utility shall design the Extension at its own expense and shall fully conmpensate the City for the cost of construction. The City shall, from time to time, present an invoice to the Utility for construction services, which shall be paid in full witin thirty (30) days of presentment. NOTE: Another method would be for the Utility to deposit the full estimated cost as beginning and we true up at completion.

Section 6.02. Upon transfer of ownership of the Extension to the Utility, nothing in this Agreement shall be construed to provide the City with any ownership or other interest in the Extension, which shall become the exclusive property of the Utility except as otherwise provided in this Agreement.

Section 6.03. The Utility shall be solely responsible for the operation and maintenance of the completed Extension to supply water service to the public.

Draft

SECTION VII

REPRESENTATIONS AND WARRANTIES

Section 7.01. The Utility and the undersigned represent and warrant that the execution, delivery and performance of this Agreement by the Utility has been duly authorized, and this Agreement constitutes a valid and binding obligation of the Utility enforceable in accordance with its terms.

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Draft

SECTION VIII

MISCELLANEOUS PROVISIONS

Section 8.01. Nothing in this Agreement shall be construed to make the Utility liable or responsible for any obligations of the City, nor shall this Agreement be construed to make the City liable or responsible for any obligations of the Utility.

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make by reason for such accidents. Furthermore, the City hereby agrees to save, indemnify, hold harmless and defend the Utility from claims, demands, causes of action, or suits of whatever nature arising out of the labor and materials used by the City and its contractors or subcontractors, and from laborers', materialmen's and mechanic's liens arising out of the labor and materials used by the City and its contractors or subcontractors, resulting from construction of the Extension.

The Utility hereby agrees to save, indemnify, hold harmless and defend the City against all liability claims and judgments or demands for damages arising from accidents to persons or property occasioned by the Utility, its agents or employees, and against all claims and demands for damages arising from accidents to the Utility, its agents or employees, resulting from their presence during construction of the Extension, whether occasioned by said Utility or its employees, agents, representatives, or any other person or persons hired or controlled by the Utility, and the Utility will defend any and all suits that may be brought against the City. Upon satisfaction of the terms and conditions of this Agreement and the transfer of the Extension or any part thereof, Utility agrees to indemnify the City from any claim associated with the Utility utilizing this system.

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Draft

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Section 8.06. The section headings in this Agreement are merely for the convenient reference of the parties and shall not affect the meaning or interpretation of the Agreement.

Section 8.07. This document shall be governed by and interpreted in accordance with the laws of the State of West Virginia and the enforcement hereof shall be exclusively within the jurisdiction of the Circuit Court of Jefferson County, West Virginia.

Draft

WITNESS the following signatures the day and year first written above.

City of Ranson

By: _____

Charles Town Utility Board

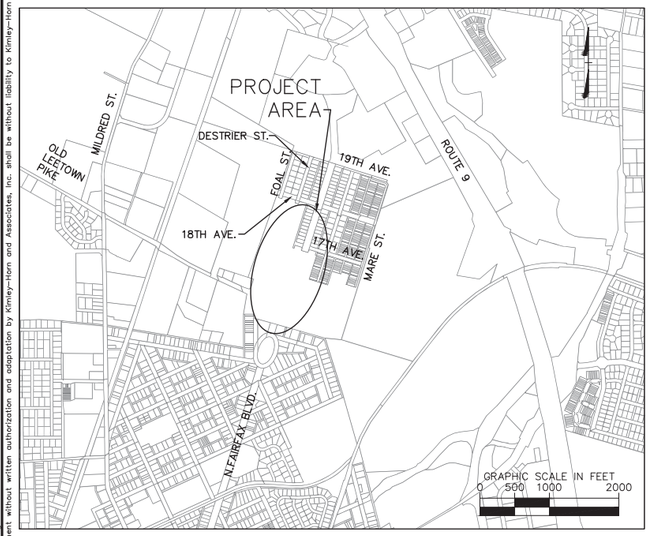
By: _____

EXHIBIT A

Map of the Extension

Plotted By:Tom McGuigan Sheet Set:Kha Layout:1 TITLE SHEET August 06, 2021 01:51:23pm S:\CIVIL\FAIRFAX CROSSING\ENGINEERING\WORK\FAIRFAX BLVD\PDG Update\Sheets\1 TITLE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY OF RANSON
JEFFERSON COUNTY

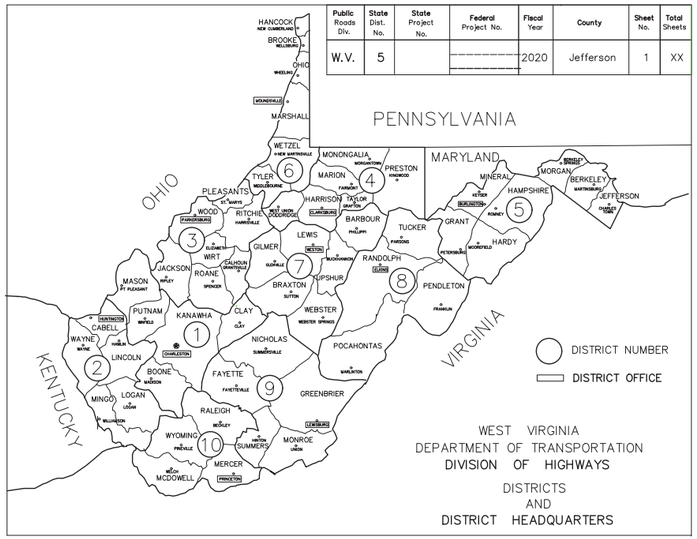


CITY OF RANSON
PLANS FOR CONSTRUCTION
OF

FAIRFAX BOULEVARD EXTENSION
CITY OF RANSON
JEFFERSON COUNTY

	Station		Station		f.t.		mile(s)
Roadway	18+88.00	to	31+85.00	=	1297	=	0.246
	Total Project Length			=	1297	=	0.246

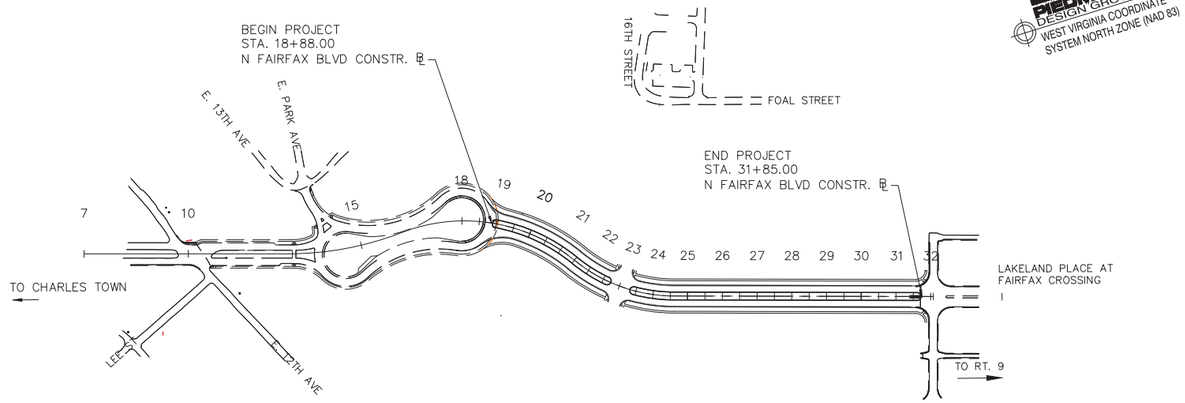
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	5			2020	Jefferson	1	XX



TYPE OF CONSTRUCTION

GRADING, DRAINAGE, PAVING, SIGNING, PAVEMENT MARKING, STORM SEWER INSTALLATION, STORM WATER MANAGEMENT WATER QUALITY DEVICE INSTALLATION, AND LANDSCAPING

PIEDMONT DESIGN GROUP
WEST VIRGINIA COORDINATE SYSTEM NORTH ZONE (NAD 83)



INDEX OF SHEETS

Sheet Number	Sheet Title
1	TITLE SHEET
2	GENERAL NOTES
3	DETAIL SHEET
4	SURVEY REFERENCE POINTS
5	GEOMETRIC LAYOUT
6	PLAN SHEET
7	PLAN SHEET
8	PLAN SHEET
9	EROSION AND SEDIMENT CONTROL PLAN 1
10	EROSION AND SEDIMENT CONTROL PLAN 2
11	EROSION AND SEDIMENT CONTROL PLAN 3
12	EROSION & SEDIMENT CONTROL NOTES
13	SEWER AND WATER HOUSE CONNECTIONS
14	UTILITY PLAN & PROFILE
15	UTILITY PLAN & PROFILE
16	SEWER PROFILE I-23 EAST AND WEST
17	ADA RAMP LAYOUT & GRADING
18	STORM SEWER PROFILES
19	STORM SEWER PROFILES
20	STORM SEWER PROFILES
21	STORM SEWER CALCULATIONS
22	INTERIM DRAINAGE AREA MAP
23	MAINTENANCE OF TRAFFIC PLAN
24	SIGNING & MARKING INDEX
25	SIGNING & MARKING PLAN
26	SIGNING & MARKING PLAN
27	CROSS SECTIONS
28	CROSS SECTIONS
29	CROSS SECTIONS
30	UNDERDRAIN PLAN AND PROFILES
31	UNDERDRAIN PLAN AND PROFILES
32	UNDERDRAIN PLAN AND PROFILES
33	UNDERDRAIN PLAN AND PROFILES
34	UNDERDRAIN PLAN AND PROFILES
35	UNDERDRAIN PLAN AND PROFILES
36	UNDERDRAIN PLAN AND PROFILES
37	UNDERDRAIN PLAN AND PROFILES
38	DETAIL SHEET
39	DETAIL SHEET
40	DETAIL SHEET
41	DETAIL SHEET

DESIGN DESIGNATION
FAIRFAX BOULEVARD
V. = 25 MPH

UTILITIES

WATER	CHARLES TOWN UTILITY BOARD	(304)728-2311
SANITARY SEWER	CITY OF RANSON	(304)725-1010
ELECTRIC	POTOMAC EDISON	(800)255-3443
TELEPHONE	FRONTIER	(800)921-8104
CABLE	COMCAST	(304)725-9185
OTHER	MISS UTILITY	(800)245-4848

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CIVIL PLANS PREPARED BY:

PIEDMONT DESIGN GROUP
5283 CORPORATE DRIVE
SUITE 300 FREDERICK, MD 21703
301-695-6614

MICHAEL T. WILEY LICENSED No. 1044 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

MICHAEL T. WILEY REGISTERED No. 11216 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

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MICHAEL T. WILEY, PE, PS — DATE
WV PE #11216; EXP. 12/31/22
WV PS #1044, EXP. 06/30/22
FOR PIEDMONT DESIGN GROUP, LLC
PE COA #C04223-00; EXP. 12/31/21
PS COA #20-5804; EXP. 12/31/21
RANSON BUSINESS LICENSE #2018-2117; EXP. 06/30/22

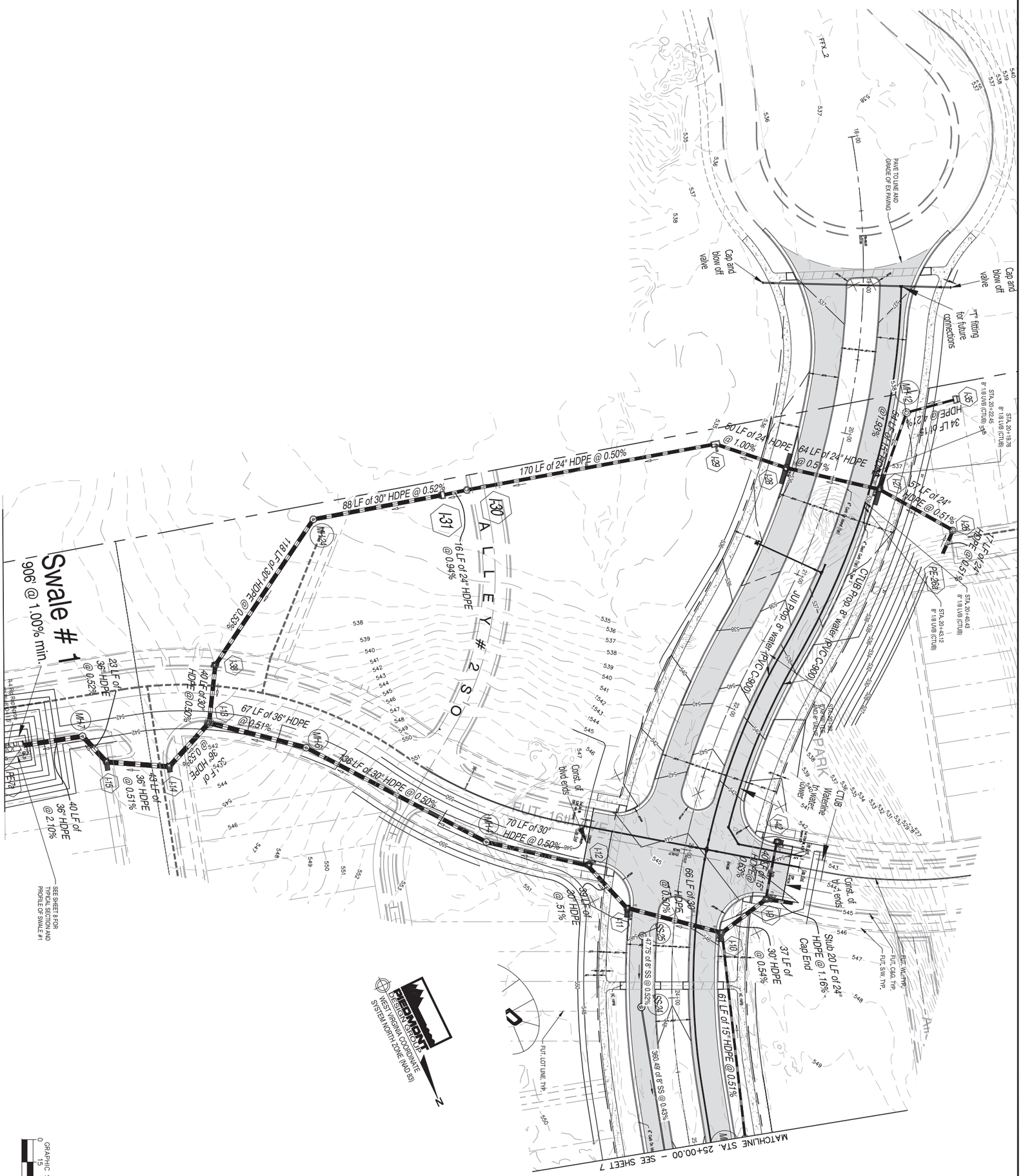
OTHER CONTRIBUTIONS:

Surveying and Mapping, LLC
612 Hull Street, Suite 101B Richmond, VA 23224
804.330.3781 Office 804.859.5330 Fax

GPI Engineering | Design | Planning | Construction Management

NOTES: STANDARD DETAIL BOOK VOL. I DATED MAY, 2016, VOLUME II DATED JANUARY 1, 1994, & CITY OF RANSON STANDARD DETAIL MANUAL, DATED AUGUST 2002, SHALL APPLY TO THIS PROJECT.

Plotted By: Tom McGuigan Sheet Set: Kha Layout: 6 PLAN SHEET August 06, 2021 01:53:04pm S:\CIVIL\FAIRFAX CROSSING\ENGINEERING\WORK\FAIRFAX BLVD\PDG Update\Sheets\11 PLAN SHEET STA. - DITCH A.dwg



SHEET NUMBER					
6	FAIRFAX BOULEVARD EXTENSION PLAN SHEET	The City of Ranson	City of Ranson Community Development 312 S. Mildred St. Ranson, WV 25438 304-725-1010	NO. DATE DESCRIPTION REVISIONS	PIEDMONT DESIGN GROUP 5283 CORPORATE DRIVE SUITE 300 FREDERICK, MD 21703 301-695-6614

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kstolipher

From: Bob Anderson <banderson@ransonwv.us>
Sent: Wednesday, September 1, 2021 4:56 PM
To: kstolipher
Subject: FW: CTUB WATERLINE PRICING

Kristen Please see Jefferson Asphalt's estimate for the water line loop. I hope this helps.

From: Kevin Johnson <kjhc@live.com>
Sent: Wednesday, September 1, 2021 2:59 PM
To: Bob Anderson <banderson@ransonwv.us>
Subject: CTUB WATERLINE PRICING

CAUTION: External Email

HELLO BOB.

HERE IS OUR PRICING FOR THE WORK ASSOCIATED WITH
THE CTUB DRY WATERLINE.

LAYOUT	$300.00
INSTALL +/- 580 LF OF 8" C909 WL	$35,490.00
INSTALL 2 EACH BLOW-OFF ASSEMBLIES	$7,100.00
INSTALL WATERLINE FITTTINGS, 12 EACH	$9,540.00
TEST DRILL AND DRILL AND SHOOT ROCK	$11,950.00
	$64,380.00

Kevin R. Johnson

Project Manager/Estimator
Jefferson Contracting, Inc.
175 John J. Thomas Way
Charles Town, West Virginia?? 25414

Cell: 304-702-4121
Office: 304-725-2539
Fax: 304-728-8546
kjhc@live.com

SOUTHERN CORROSION
ENGINEERED TANK CARE

738 Thelma Road Roanoke Rapids, NC 27870
Phone: (800) 828-0876 Fax: (252) 535-3215
www.tankcare.net

SUR SR VDO#

Date: **08/18/2021**

Proposed Submitted To:

Charles Town Utilities, WV

Project & Job Location:

Sawgrass Dr Water Tank
GS-12 Mixer Installation

Southern Corrosion Inc. agrees to provide all the labor, equipment, and materials needed to complete the following:

1) **Water Storage Tank: GS-12 Mixer 240-volt**
   a) Provide and install one (1) Grid Bee GS-12 Submersible Mixer. The mixer will be lowered to the bottom of the tank through the roof hatch. The mixer's power cable will be ran through a roof penetration and secured with a junction box and cord fixture.
   b) Mount the mixer control panel at an agreed upon location between Southern Corrosion and the Owner.
   c) Supply power and make needed electrical connections from the roof junction box to the mixer control panel.
   d) Test and turn on mixer.

Owner is responsible for any necessary licenses, fees, or permits. Owner is responsible for supplying a 20-amp 240-volt GFCI protected outlet to power the mixer, within 6 feet of mixer control panel.

Twenty-Five Thousand Seven Hundred Ninety-Six Dollars and ---------- ---------- xx/100 ***Total -*** **$25,796.00**

All work to be completed in a workman like manner according to standard practices. Any alteration or deviation from specifications quoted involving extra cost will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry sufficient property insurance. Southern Corrosion Inc. will supply workman's compensation insurance, general insurance, builders risk insurance, and pollution liability insurance.

Southern Corrosion Inc.

Pricing Good For: **30 Days** *Payment Terms:* **Net 30 days**

Acceptance of Proposal – The above price, specifications, and conditions are satisfactory and are hereby accepted. Southern Corrosion Inc. is hereby authorized to do work as specified. Please sign date below and email or fax a copy back to our office.

Authorized Signature & Title: *Print Name:* *Date of Acceptance:*

Charles Town
Utility Board
661 S. George Street, Suite 101 Charles Town, WV 25414
Phone: (304) 725-2316 ♦ Fax: (304) 725-7150 ♦ Web: www.ctubwv.com

MEMORANDUM TO THE BOARD OF DIRECTORS

FROM: Kristen Stolipher, Utility General Manager
SUBJECT: Utility General Manager's Report
DATE: September 8, 2021

ADMINISTRATIVE

- Customer Counts
  - Sewer 8,115 (1,968 billed by JUI)
  - Water 6,315

WATER

- 2021 Source Water Protection Grant – Submitted September 1, 2021
- Monitoring river conditions

SEWER

- Update on Council briefing from September 7, 2021
- Renewal and Replacement Project updates
- 2021 Collection System updates

INFORMATION

- **Capacity Improvement Fee collection: See attached.**
- **Water and Sewer Treatment Plant Flows: See attached.**

Customer Name	Location	Lot Number	CIF Date Paid	Number of Sewer EDUs	Sewer CIF Amount Paid	Number of Water EDU's	Water CIF Amount Paid	
Dan Ryan Builders	Tate Manor	1-6	1/4/2021	6	$ 6,762.00	6	$ 15,456.00	
Dan Ryan Builders	Briar Run	387-389, 391	1/4/2021	4	$ 12,828.00			
Dan Ryan Builders	Tate Manor	7-12	1/25/2021	6	$ 6,762.00	6	$ 15,456.00	
Dan Ryan Builders	Tate Manor	13-18	1/25/2021	6	$ 6,762.00	6	$ 15,456.00	
Stanley Martin	Presidents Pointe	51-56	2/12/2021	6	$ 16,512.00			
DRH	Magnolia Springs	38-41	2/17/2021	4	$ 4,508.00	4	$ 10,304.00	$ 38,640.00
Dan Ryan Builders	Tate Manor	19-24	2/24/2021	6	$ 6,762.00	6	$ 15,456.00	
Dan Ryan Builders	Tate Manor	25-29	2/24/2021	5	$ 5,635.00	5	$ 12,880.00	
DRH	Magnolia Springs	21,23, 32-35, 42-48	3/5/2021	13	$ 14,651.00	13	$ 33,488.00	
DRH	Magnolia Springs	22	3/12/2021	1	$ 1,127.00	1	$ 2,576.00	
DRH	Magnolia Springs	8-10, 18-20, 24-28, 36-37, 66-70	3/17/2021	18	$ 20,286.00	18	$ 46,368.00	
Rockwool	Rockwool		3/31/2021	104.7	$ 117,959.33			
R&D Investments	17 Clems Drive		4/21/2021	1	$ 3,207.00			
Salgato	West Washington Street	45	5/28/2021	1	$ 1,127.00	1	$ 2,576.00	
Lutman	2 Sunlite Dr- Tuscawilla		6/15/2021	1	$ 1,127.00	1	$ 2,576.00	
Uniwest	Jefferson Xing Apartments	7	6/23/2021	36	$ 115,452.00	36	$ 92,736.00	
Jenkins	100 Center Street		6/30/2021	1	$ 1,127.00	1	$ 2,576.00	
Jenkins	203 E 7th Ave		6/30/2021	1	$ 1,127.00	1	$ 2,576.00	
DRH	Magnolia Springs	71-73, 101-102, 114-122, 125-133, 135, 138, 140-145	7/29/2021	35	$ 39,445.00	35	$ 90,160.00	
Wormald	Beallair	142	7/30/2021	1	$ 3,207.00			
Wormald	Beallair	67	7/30/2021	1	$ 3,207.00			
Sudhir Rana	West Burr Industrial Park	5	8/2/2021	1.8	$ 5,772.60			
DHR	Magnolia Springs	134, 139	8/4/2021	2	$ 2,254.00	2	$ 5,152.00	
Wormald	Beallair	149	8/13/2021	1	$ 3,207.00			
McGuire	71 Jefferson Crossing Way (Laundromat)		8/30/2021	7.42	$ 23,795.94	7.42	$ 19,113.92	
			Total	**269.92**	$ 424,609.87	**149.42**	$ 384,905.92	

Charles Town Utility Board
2021 Capacity Improvement Fee Collections/EDU for Sewer

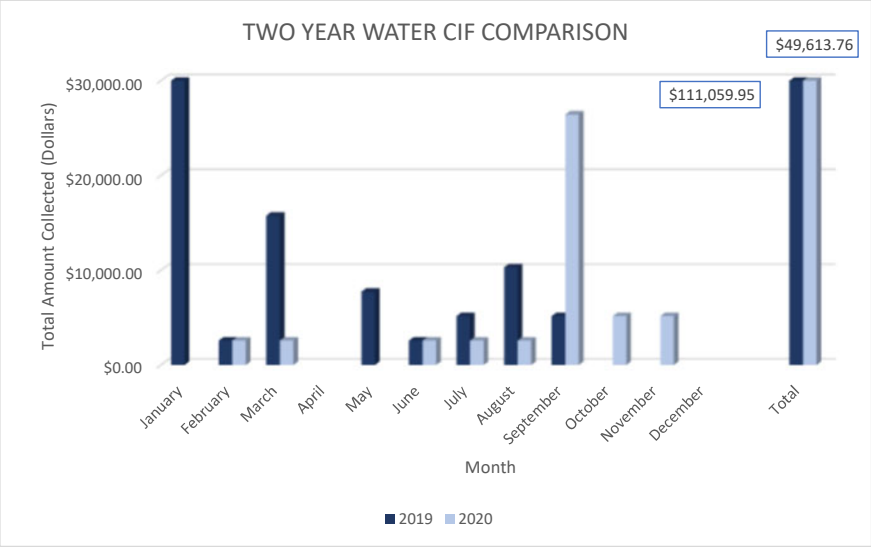
Month	Commercial	Residential	Total Number of EDU's	Total Sewer CIF Collected	CIF Paid to Ranson	Total
Jan-21		22	22	$ 33,114.00		$ 33,114.00
Feb-21		21	21	$ 33,417.00	$ 9,750.00	$ 23,667.00
Mar-21		32	136.7	$ 154,023.33		$ 154,023.33
Apr-21		1	1	$ 3,207.00		$ 3,207.00
May-21		1	1	$ 1,127.00		$ 1,127.00
Jun-21	36	3	39	$ 118,833.00		$ 118,833.00
Jul-21		37	37	$ 45,859.00		$ 45,859.00
Aug-21	9.22	3	12.22	$ 35,029.54		$ 35,029.54
Sep-21						$ -
Oct-21						$ -
Nov-21						$ -
Dec-21						
Total 2021	**45.22**	**117**	**269.92**	**$ 424,609.87**	**$ 9,750.00**	**$ 414,859.87**

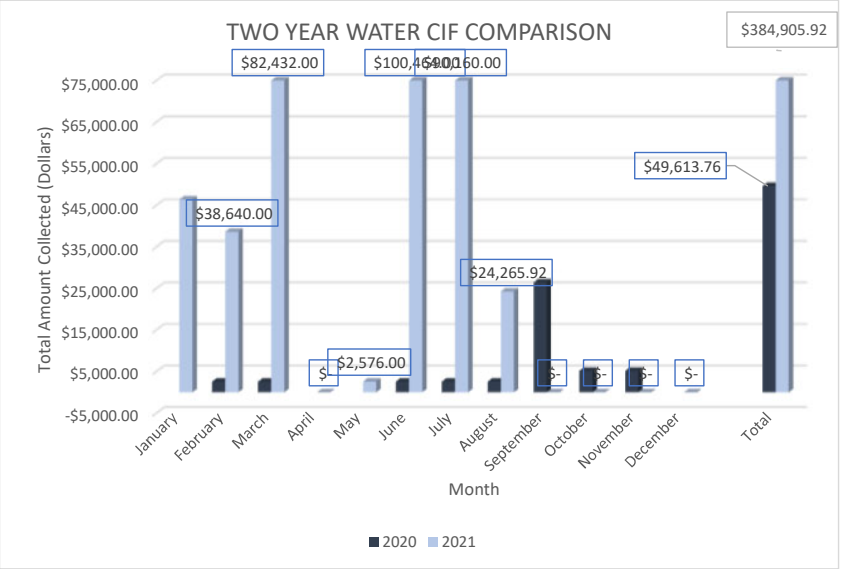
Charles Town Utility Board
2021 Capacity Improvement Fee Collections/EDU for Water

Month	Commercial	Residential	Total Number of EDU's	Total Water CIF
Jan-21		18	18	$ 46,368.00
Feb-21		15	15	$ 38,640.00
Mar-21		32	32	$ 82,432.00
Apr-21		0	0	$ -
May-21		1	1	$ 2,576.00
Jun-21	36	3	39	$ 100,464.00
Jul-21		35	35	$ 90,160.00
Aug-21	7.42	2	9.42	$ 24,265.92
Sep-21				
Oct-21				
Nov-21				
Dec-21				
Total 2021	**43.42**	**106**	**149.42**	**$ 384,905.92**

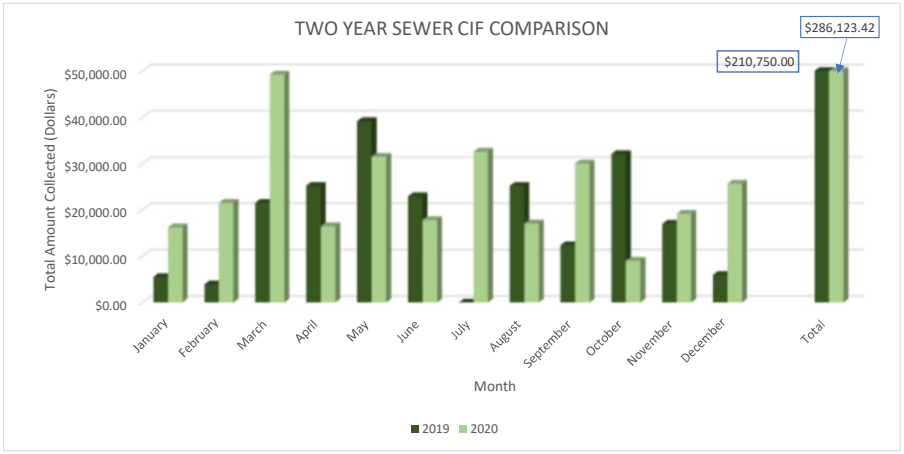
Charles Town Utility Board 2020 Capacity Improvement Fee Collections/EDU for Water				
Month	**Commercial**	**Residential**	**Total Number of EDU's**	**Total Water CIF**
Jan-20				
Feb-20		1	1	$ 2,576.00
Mar-20		1	1	$ 2,576.00
Apr-20				
May-20				
Jun-20		1	1	$ 2,576.00
Jul-20		1	1	$ 2,576.00
Aug-20		1	1	$ 2,576.00
Sep-20		10.26	10.26	$ 26,429.76
Oct-20		2	2	$ 5,152.00
Nov-20		2	2	$ 5,152.00
Dec-20				
Total 2020	**0**	**19**	**19.26**	**$ 49,613.76**

Charles Town Utility Board 2021 Capacity Improvement Fee Collections/EDU for Water				
Month	**Commercial**	**Residential**	**Total Number of EDU's**	**Total Water CIF**
Jan-21		18	18	$ 46,368.00
Feb-21		15	15	$ 38,640.00
Mar-21		32	32	$ 82,432.00
Apr-21				$ -
May-21		1	1	$ 2,576.00
Jun-21	36	3	39	$ 100,464.00
Jul-21		35	35	$ 90,160.00
Aug-21	7.42	2	9.42	$ 24,265.92
Sep-21				$ -
Oct-21				$ -
Nov-21				$ -
Dec-21				$ -
Total 2021	**43.42**	**106**	**149.42**	**$ 384,905.92**

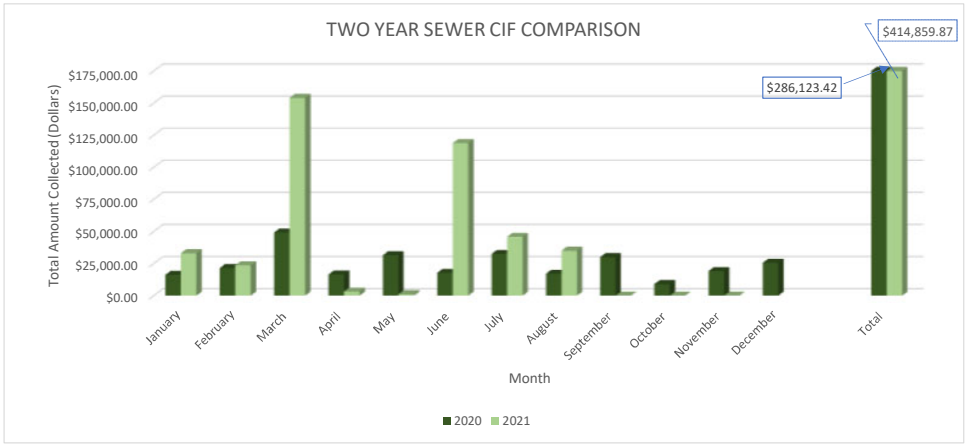




Charles Town Utility Board 2020 Capacity Improvement Fee Collections/EDU for Sewer						
Month	**Commercial**	**Residential**	**Total Number of EDU's**	**Total Sewer CIF Collected**	**CIF Paid to Ranson**	**Total**
Jan-20		7	7	$21,084.00	$4,875.00	$16,209.00
Feb-20		8	8	$24,746.00	$3,250.00	$21,496.00
Mar-20		16	16	$49,232.00		$49,232.00
Apr-20		21	21	$58,702.00	$42,250.00	$16,452.00
May-20		16	16	$44,487.00	$13,000.00	$31,487.00
Jun-20	1	6	7	$17,803.40		$17,803.40
Jul-20		11	11	$32,547.00		$ 32,547.00
Aug-20		5.31	5.31	$17,040.00		$ 17,040.00
Sep-20		19.26	19.26	$39,776.02	$9,750.00	$ 30,026.02
Oct-20		8	8	$18,766.00	$9,750.00	$ 9,016.00
Nov-20		17	17	$45,159.00	$26,000.00	$ 19,159.00
Dec-20		8	8	$25,656.00		$ 25,656.00
Total 2020	**1**	**137**	**143.57**	**$394,998.42**	**$108,875.00**	**$286,123.42**



Charles Town Utility Board 2021 Capacity Improvement Fee Collections/EDU for Sewer						
Month	**Commercial**	**Residential**	**Total Number of EDU's**	**Total Sewer CIF Collected**	**CIF Paid to Ranson**	**Total**
Jan-21		22	22	$ 33,114.00		$ 33,114.00
Feb-21		21	21	$ 33,417.00	$ 9,750.00	$ 23,667.00
Mar-21		32	136.7	$ 154,023.33		$ 154,023.33
Apr-21		1	1	$ 3,207.00		$ 3,207.00
May-21		1	1	$ 1,127.00		$ 1,127.00
Jun-21	36	3	39	$ 118,833.00		$ 118,833.00
Jul-21		37	37	$ 45,859.00		$ 45,859.00
Aug-21	9.22	3	12.22	$ 35,029.54		$ 35,029.54
Sep-21						$ -
Oct-21						$ -
Nov-21						$ -
Dec-21						
Total 2021	**45.22**	**117**	**269.92**	**$424,609.87**	**$9,750.00**	**$414,859.87**



CHARLES TOWN UTILITY BOARD
WATER TREATMENT PLANT FLOW DATA

CHARLES TOWN WATER PLANT FLOW DATA						
YEAR	Total Design (MGD)	TOTAL ANNUAL FLOW (MG)	AVERAGE DAILY (MGD)	Total Design minus Average Daily	Total Available (gpd)	Total Available (EDU's)
2019	2.8	644.32	1.77	1.03498	1,034,980	6,900
2020	2.8	615.64	1.68	1.12	1,117,946	7,453
2021	2.8	410.44	1.68	1.12	1,118,847	7,459

2019		
	Total	AVERAGE
JANUARY	52,264,325	1,685,946
FEBRUARY	48,901,884	1,746,496
MARCH	52,112,735	1,681,056
APRIL	51,316,538	1,710,551
MAY	56,973,829	1,837,865
JUNE	55,111,832	1,837,061
JULY	57,587,563	1,857,663
AUGUST	58,291,878	1,880,383
SEPTEMBER	53,642,580	1,788,086
OCTOBER	54,262,184	1,750,393
NOVEMBER	50,656,056	1,688,535
DECEMBER	53,202,360	1,716,205
Annual Total	644,323,764	1,765,020

2020		
	Total	AVERAGE
JANUARY	53,689,445	1,731,918
FEBRUARY	49,700,448	1,713,809
MARCH	51,009,216	1,645,459
APRIL	46,966,864	1,565,562
MAY	50,753,036	1,637,195
JUNE	52,587,142	1,752,905
JULY	54,394,477	1,754,661
AUGUST	54,972,785	1,773,316
SEPTEMBER	50,996,141	1,699,871
OCTOBER	51,222,251	1,652,331
NOVEMBER	49,014,344	1,633,811
DECEMBER	50,338,278	1,623,815
Annual Total	615,644,427	1,682,054

2021		
	Total	AVERAGE
JANUARY	50,030,727	1,613,894
FEBRUARY	45,304,029	1,618,001
MARCH	50,881,983	1,641,354
APRIL	49,098,224	1,636,607
MAY	53,910,537	1,739,050
JUNE	53,051,728	1,711,346
JULY	53,198,248	1,716,073
AUGUST	54,959,872	1,772,899
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
Annual Total	410,435,348	1,681,153

GLEN HAVEN WATER PLANT FLOW DATA						
YEAR	Total Design (MGD)	TOTAL ANNUAL FLOW (MG)	AVERAGE DAILY (MGD)	Total Design minus Average Daily	Total Available (gpd)	
2020	0.0216	1.04	0.01	0.01	13,120	
2021	0.0216	2.12	0.01	0.01	12,817	-

2020		
	Total	AVERAGE
JANUARY		
FEBRUARY		
MARCH		
APRIL		
MAY		
JUNE		
JULY		
AUGUST		
SEPTEMBER	283,900	9,158
OCTOBER	265,000	8,548
NOVEMBER	250,800	8,360
DECEMBER	243,500	7,855
Annual Total	1,043,200	8,480

2021		
	Total	AVERAGE
JANUARY	242,200	7,813
FEBRUARY	203,500	7,268
MARCH	241,800	8,636
APRIL	262,300	8,743
MAY	289,700	9,345
JUNE	276,500	8,919
JULY	302,900	9,771
AUGUST	302,900	9,771
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
Annual Total	2,121,800	8,783

CAVALAND WATER PLANT FLOW DATA						
YEAR	Total Design (MGD)	TOTAL ANNUAL FLOW (MG)	AVERAGE DAILY (MGD)	Total Design minus Average Daily	Total Available (gpd)	
2020	0.036	0.59	0.00	0.03	31,210	
2021	0.036	1.27	0.01	0.03	30,753	

2020		
	Total	AVERAGE
JANUARY		
FEBRUARY		
MARCH		
APRIL		
MAY		
JUNE		
JULY		
AUGUST		
SEPTEMBER	141,900	4,577
OCTOBER	140,300	4,526
NOVEMBER	151,500	5,050
DECEMBER	155,200	5,006
Annual Total	588,900	4,790

2021		
	Total	AVERAGE
JANUARY	150,900	4,868
FEBRUARY	132,900	4,746
MARCH	145,800	5,207
APRIL	152,900	5,097
MAY	177,900	5,739
JUNE	159,000	5,129
JULY	169,600	5,471
AUGUST	177,300	5,719
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
Annual Total	1,266,300	5,247

CHARLES TOWN UTILITY BOARD
WASTEWATER TREATMENT PLANT FLOW DATA

CHARLES TOWN WASTEWATER PLANT FLOW DATA

YEAR	Total Design (MGD)	TOTAL ANNUAL FLOW (MG)	AVERAGE DAILY (MGD)	Total Design minus Average Daily	Total Available (gpd)	Total Available (EDU's)
2015	1.75	384	1.05	0.7	700,000	4,667
2016	1.75	419	1.14	0.61	610,000	4,067
2017	1.75	393	1.08	0.67	670,000	4,467
2018	1.75	491	1.34	0.41	410,000	2,733
2019	1.75	459	1.26	0.49	490,000	3,267
2020	1.75	419.7	1.15	0.60	603,333	4,022
2021	1.75	269.94	1.13	0.63	625,000	4,167

TUSCAWILLA WASTEWATER PLANT FLOW DATA

YEAR	Total Design (MGD)	TOTAL ANNUAL FLOW (MG)	AVERAGE DAILY (MGD)	Total Design minus Average Daily	Total Available (gpd)	Total Available (EDU's)
2015	0.5	48	0.13	0.37	370,000	2,467
2016	0.5	49	0.13	0.37	370,000	2,467
2017	0.5	48	0.14	0.36	360,000	2,400
2018	0.5	78	0.21	0.29	290,000	1,933
2019	0.5	55.24	0.15	0.35	350,000	2,333
2020	0.5	1.09	0.16	0.34	340,000	2,267
2021	0.5	19.84	0.09	0.41	410,000	2,733

Total EDU's available between CT and Tuscawilla

2015	7,133
2016	6,533
2017	6,867
2018	4,667
2019	5,600
2020	6,289
2021	

2019

	Total	AVERAGE
JANUARY	51.37	1.66
FEBRUARY	43.72	1.56
MARCH	44.32	1.43
APRIL	37.29	1.24
MAY	45.1	1.45
JUNE	33.83	1.13
JULY	39.09	1.26
AUGUST	33.33	1.08
SEPTEMBER	30.89	1.03
OCTOBER	32.86	1.06
NOVEMBER	30.65	1.02
DECEMBER	36.55	1.18
Annual Total	459	1.26

2020

	Total	AVERAGE
JANUARY	39.05	1.26
FEBRUARY	36.74	1.27
MARCH	36.76	1.19
APRIL	33.32	1.11
MAY	35.50	1.15
JUNE	33.44	1.11
JULY	34.45	1.11
AUGUST	32.65	1.05
SEPTEMBER	32.43	1.08
OCTOBER	33.91	1.09
NOVEMBER	33.49	1.12
DECEMBER	37.96	1.22
Annual Total	419.7	1.15

2021

	Total	AVERAGE
JANUARY	35.83	1.22
FEBRUARY	32.98	1.18
MARCH	36.39	1.17
APRIL	34.33	1.18
MAY	33.24	1.07
JUNE	36.24	1.21
JULY	30.99	1.00
AUGUST	29.94	0.97
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
Annual Total	269.94	1.13

2019

	Total	AVERAGE
JANUARY	6.25	0.2
FEBRUARY	4.98	0.18
MARCH	7.53	0.24
APRIL	5.28	0.18
MAY	7.88	0.25
JUNE	3.75	0.12
JULY	4.2	0.14
AUGUST	3.75	0.12
SEPTEMBER	3.64	0.12
OCTOBER	3.97	0.13
NOVEMBER	3.66	0.12
DECEMBER	0.35	0.01
Annual Total	55.24	0.15

2020

	Total	AVERAGE
JANUARY		
FEBRUARY		
MARCH		
APRIL		
MAY		
JUNE		
JULY		
AUGUST	1.09	0.16
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
Annual Total	1.09	0.16

2021

	Total	AVERAGE
JANUARY	0.52	0.07
FEBRUARY	2.22	0.08
MARCH	4.22	0.14
APRIL	1.12	0.04
MAY	0.89	0.03
JUNE	3.37	0.11
JULY	3.9	0.13
AUGUST	3.6	0.12
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
Annual Total	19.84	0.09

VENDOR SORT KEY	DESCRIPTION	FUND	DEPARTMENT	AMOUNT
			TOTAL:	2,487.27
USA BLUEBOOK	SUBMERS CAGD LVL TRNSMTR,R	SEWER FUND	SEWER	1,019.50
	SUBMERS CAGD LVL TRNSMTR,R	SEWER FUND	SEWER	129.79
	JOBCORP PS & EXTRA TRANSDU	SEWER FUND	SEWER	1,625.50
			TOTAL:	2,774.79
VITAL SIGNS	BUSINESS CARDS	SEWER FUND	SEWER	59.95
			TOTAL:	59.95
WIRELESS NETWORKS GROUP, INC.	MISC SVCS, AUG	WATER FUND	WATER	2,500.00
			TOTAL:	2,500.00
WV BUREAU OF PUBLIC HEALTH	D.STAUBS CLASS I RENEWAL	SEWER FUND	SEWER	125.00
			TOTAL:	125.00

FUND TOTALS	
50 WATER FUND	59,551.53
60 SEWER FUND	91,186.69
GRAND TOTAL:	150,738.22

TOTAL PAGES: 4

APPROVED BY: _____

APPROVED BY: _____

This Packet:	$ 150,738.22
J.Burris, Reimb Shpg Swrcm to Mt Elect, check dated 8/25/2021:	245.95
J.Murphy per diem trip 9/13-9/17/21, check dated 8/25/2021:	275.00
Jefferson Co.Clerk B.French notice of liens, check dated 8/25/2021:	33.00
WV Water Dev.Auth #2017-175 Infrstrctr FndPrjct, check dated 8/30/2021:	729.40
Total:	$ 152,021.57

VENDOR SORT KEY	DESCRIPTION	FUND	DEPARTMENT	AMOUNT
PACE ANALYTICAL SERVICES, LLC	TESTING: QUARTERLY WV33019	WATER FUND	WATER	700.00
	TESTING: GH 1PER3YR	WATER FUND	WATER	175.00
	TESTING: CAV ANNUAL WV3301	WATER FUND	WATER	175.00
	TESTING: TUSC WEEKLY	SEWER FUND	SEWER	85.85
	TESTING: CT WEEKLY	SEWER FUND	SEWER	163.19
			TOTAL:	1,299.04
CORPORATION OF RANSON	AUG UB COLLECTION	WATER FUND	NON-DEPARTMENTAL	2,981.69
			TOTAL:	2,981.69
RK & K ENGINEERS	TO4 MODIFIED FLOWING SPRNG	SEWER FUND	NON-DEPARTMENTAL	1,075.47
	TO7 JETTSFARM PS MODIFICAT	SEWER FUND	NON-DEPARTMENTAL	14,665.04
	TO10 JEFFRSN MMRL FRC MAIN	SEWER FUND	NON-DEPARTMENTAL	925.24
	TO17 DEVELOPMENT FACILITY	SEWER FUND	NON-DEPARTMENTAL	11,213.69
	TO14 MNHLEVAL@EVITTS/BRWNV	SEWER FUND	SEWER	3,011.20
			TOTAL:	30,890.64
SAFETY-KLEEN SYSTEMS, INC.	DISPOSAL OF OIL AT CT PLAN	SEWER FUND	SEWER	188.68
			TOTAL:	188.68
SAFEWARE, INC	4 GAS MONITORS	SEWER FUND	SEWER	3,025.00
			TOTAL:	3,025.00
SG PLUMBING, INC.	TALCON CT 8/25/21	WATER FUND	WATER	630.00
			TOTAL:	630.00
SHENANDOAH AIR CONDITIONING	WTP CHK'D AC MOTOR	WATER FUND	WATER	99.00
			TOTAL:	99.00
SHENANDOAH SALES & SERVICE, INC.	HUNTFIELD PS GENRTR BATTER	SEWER FUND	SEWER	556.56
	BRECKENRIDGE PS GODWIN	SEWER FUND	SEWER	378.60
	AIR COMPRESSOR SEWER	SEWER FUND	SEWER	94.00
			TOTAL:	1,029.16
LAW OFFICES OF HOY SHINGLETON, L.C.	GENERAL 8/02 - 8/30/21	SEWER FUND	SEWER	1,820.00
	SHEN JCT SWR 8/03 - 8/27/2	SEWER FUND	SEWER	4,615.00
			TOTAL:	6,435.00
SNYDER ENVIRONMENTAL SERVICES, INC	CNTRCTR AP#3 PRJCT 210080	SEWER FUND	NON-DEPARTMENTAL	868.00
			TOTAL:	868.00
SOVOS COMPLIANCE, LLC	RPTG UNCLMD PRP ANNUAL	WATER FUND	WATER	314.50
	RPTG UNCLMD PRP ANNUAL	SEWER FUND	SEWER	314.50
			TOTAL:	629.00
SPRINT	MONTHLY CELL SERVICE	WATER FUND	WATER	875.65
	MONTHLY CELL SERVICE	SEWER FUND	SEWER	909.81
			TOTAL:	1,785.46
STEPTOE & JOHNSON PLLC	GENERAL EMPLOYER COUNSELIN	WATER FUND	WATER	151.87
	GENERAL ENVIRONMENTAL	SEWER FUND	SEWER	12,175.15
	GENERAL EMPLOYER COUNSELIN	SEWER FUND	SEWER	151.88
			TOTAL:	12,478.90
GERALD TAYLOR CO., INC.	VAC / TRANSPORT	WATER FUND	WATER	710.52
	SUPERVAC LEFT STATIONS	SEWER FUND	SEWER	1,776.75

VENDOR SORT KEY	DESCRIPTION	FUND	DEPARTMENT		AMOUNT
COYNE CHEMICAL	CP837,AMMONIUM SULFATE 40%	WATER FUND	WATER		3,917.00
	CES PACL 2040	SEWER FUND	SEWER		1,162.00
				TOTAL:	5,079.00
DECKER & COMPANY, PLLC	PROFF YE SVCS: 7 CERTIFICA	WATER FUND	WATER		787.50
	PROFF YE SVCS: 7 CERTIFICA	SEWER FUND	SEWER		787.50
				TOTAL:	1,575.00
WV DEPT OF HEALTH & HUMAN SERVICES	BACTERIOLOGICAL TESTING	WATER FUND	WATER		100.00
				TOTAL:	100.00
FERGUSON US HOLDINGS, INC	SWR CAMERA MNTR FOR MAINT	SEWER FUND	SEWER		2,897.25
				TOTAL:	2,897.25
FIFTH THIRD BANK	PCARD 4726	WATER FUND	WATER		1,683.62
	PCARD 4726	WATER FUND	WATER		455.68
	PCARD 4726	WATER FUND	WATER		624.81
	PCARD 4726	WATER FUND	WATER		12.83
	PCARD 4726	SEWER FUND	SEWER		1,944.66
	PCARD 4726	SEWER FUND	SEWER		2,450.92
	PCARD 4726	SEWER FUND	SEWER		244.14
	PCARD 4726	SEWER FUND	SEWER		4.98
	PCARD 4726	SEWER FUND	SEWER		20.22
	PCARD 4726	SEWER FUND	SEWER		207.08
	PCARD 4726	SEWER FUND	SEWER		676.40
	PCARD 4726	SEWER FUND	SEWER		858.30
				TOTAL:	9,183.64
GUTTMAN ENERGY	W/E 8/22/21	WATER FUND	WATER		573.73
	W/E 8/29/21	WATER FUND	WATER		508.20
	W/E 8/22/21	SEWER FUND	SEWER		779.20
	W/E 8/22/21	SEWER FUND	SEWER		34.95
	W/E 8/29/21	SEWER FUND	SEWER		863.28
	W/E 8/29/21	SEWER FUND	SEWER		44.63
				TOTAL:	2,803.99
HACH COMPANY	MSM SENSOR ANNL SUBSCRPT	SEWER FUND	SEWER		250.00
	SUBSCRIPTION RENEWAL	SEWER FUND	SEWER		450.00
				TOTAL:	700.00
IRON MOUNTAIN, INC	SHREDDING, STORAGE	WATER FUND	WATER		211.70
	SHREDDING, STORAGE	SEWER FUND	SEWER		211.70
				TOTAL:	423.40
JAY'S AUTOMOTIVE LLC	SEWER TRUCK ALIGNMENT	SEWER FUND	SEWER		99.95
				TOTAL:	99.95
MCKINNEY'S AUTO REPAIR	OIL CHANGE WATER TRUCK	WATER FUND	WATER		84.46
				TOTAL:	84.46
THOMAS NALLS	AUGUST TANK LOT RENT	WATER FUND	NON-DEPARTMENTAL		3,518.48
				TOTAL:	3,518.48
LOGICAL CONCEPTS, INC	FLWNGSPRGS,GRNFLDSTH 4-5,B	SEWER FUND	SEWER		443.00
				TOTAL:	443.00

VENDOR SORT KEY	DESCRIPTION	FUND	DEPARTMENT	AMOUNT
AMERIGAS	TANK RENTAL: JOB CORPS	SEWER FUND	SEWER	511.10
			TOTAL:	511.10
APPLE VALLEY TIRE	SEWER TRUCK TIRES	SEWER FUND	SEWER	763.44
			TOTAL:	763.44
ASSURED PARTNERS	FIRST AID / CPR TRAINING	WATER FUND	WATER	1,013.47
	FIRST AID / CPR TRAINING	SEWER FUND	SEWER	1,013.47
			TOTAL:	2,026.94
AUTOZONE	WATER TRUCK BATTERY	WATER FUND	WATER	145.34
			TOTAL:	145.34
BIEDLER'S ELECTRIC MOTOR REPAIR, INC.	WILTS TP PS	SEWER FUND	SEWER	148.40
			TOTAL:	148.40
JP & RF BURNS PARTNERSHIP	AUG LOADS - 39	SEWER FUND	SEWER	6,981.00
			TOTAL:	6,981.00
CHARLES TOWN UTILITY BOARD	AUGUST FUNDING	WATER FUND	NON-DEPARTMENTAL	9,864.21
			TOTAL:	9,864.21
CITY ELECTRIC SUPPLY CO	FIBER OPTIC SWITCHES FOR P	SEWER FUND	SEWER	554.75
	BRECKENRIDGE PS	SEWER FUND	SEWER	94.81
			TOTAL:	649.56
CITY NATIONAL BANK	LOCKBOX SERVICES: AUG	WATER FUND	WATER	1,718.20
	LOCKBOX SERVICES: AUG	WATER FUND	WATER	715.80
	LOCKBOX SERVICES: AUG	SEWER FUND	SEWER	1,718.19
	LOCKBOX SERVICES: AUG	SEWER FUND	SEWER	715.80
			TOTAL:	4,867.99
CITY OF CHARLES TOWN	UB COLLECTIONS - AUG	WATER FUND	NON-DEPARTMENTAL	16,596.87
	JULY UTILITIES@ 661 S GEOR	WATER FUND	WATER	590.29
	SEPT RENT@ 661 S GEORGE ST	WATER FUND	WATER	1,275.00
	JULY UTILITIES@ 661 S GEOR	SEWER FUND	SEWER	590.29
	SEPT RENT@ 661 S GEORGE ST	SEWER FUND	SEWER	1,275.00
			TOTAL:	20,327.45
CLIFFS CLEANING SERVICE	AUG CLEANING	WATER FUND	WATER	125.00
	AUG CLEANING	WATER FUND	WATER	456.25
	AUG CLEANING	SEWER FUND	SEWER	300.00
	AUG CLEANING	SEWER FUND	SEWER	100.00
	AUG CLEANING	SEWER FUND	SEWER	456.25
			TOTAL:	1,437.50
COMCAST BUSINESS	8299 31 008 0138502	WATER FUND	WATER	233.13
	8299 31 008 0138502	SEWER FUND	SEWER	233.13
			TOTAL:	466.26
CORE & MAIN	WASHINGTON HIGH MTR VLT RP	WATER FUND	WATER	1,582.63
	WILLOWSPRINGS APTS MTR RPR	WATER FUND	WATER	362.62
	SETTER, MIPXPJ, CPLG	WATER FUND	WATER	3,081.48
	86-22-015 1-1/2 CHECK,S675	SEWER FUND	SEWER	327.55
			TOTAL:	5,354.28